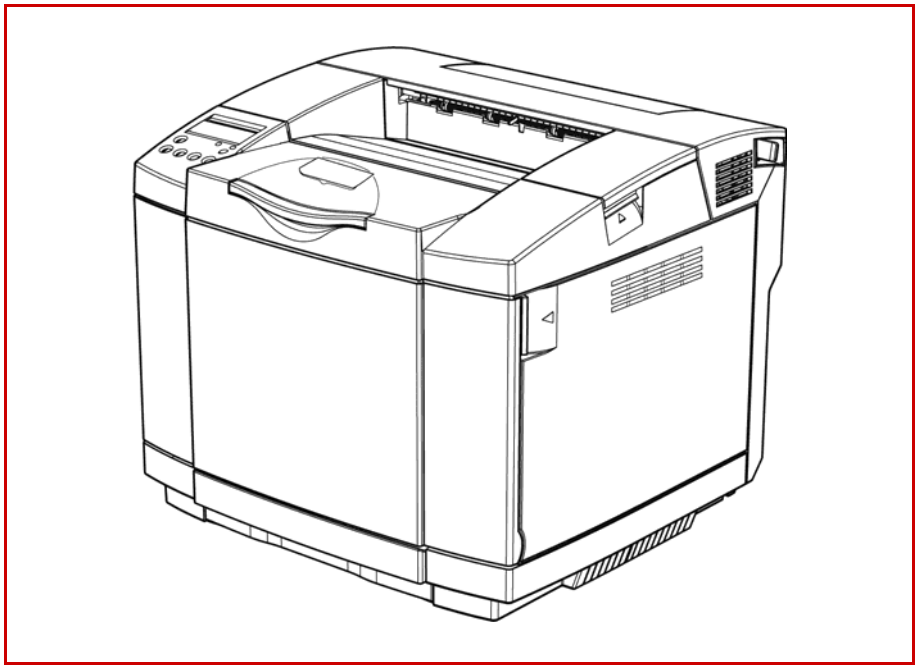
Tally Genicom™

8008

User Guide



Color Laser Printer

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1.1 About This Manual

This manual is intended to provide guidance for the proper installation, operation, and maintenance of your TallyGenicom 8008 printer. Please read this manual carefully to ensure proper use of the printer. Keep the CD-ROM in a safe place, where it can be retrieved readily when needed.

The following documentation conventions are used in this manual for ease in understanding and use.

1.1.1 Warnings, Cautions and Notes

Warnings, cautions and notes provide important safety information throughout this manual. Carefully follow all the warnings, cautions and notes as you read through the instructions in this manual before you operate the printer.

Information in the warnings and cautions describe potential hazards.

If you don't understand the safety information, contact TallyGenicom Technical Services.

Here are the warning, caution, and note definitions:

Warning! *If a specific action or procedure in a Warning is not followed, equipment damage or personal injury can occur.*

Caution! *If a specific action or procedure in a Caution is not followed, damage to equipment can occur.*

Note: *Notes offer additional information to help you more fully understand a concept or subject. If a note is not followed, a task or procedure may not be properly accomplished.*

1.2 Safety Summary

1.2.1 General Safety Guidelines

Before operating the printer, read the following instructions carefully:

- Follow all the operating procedures provided in this manual.
- Pay special attention to and follow all the hazard warnings on the printer and in the manual. Failure to do so can cause injury to yourself or damage to the printer.
- Do not make perform any operation or action in any way other than provided in this manual. When in doubt, contact your dealer or TallyGenicom.
- Keep in mind that hazard warnings in this manual or on the printer cannot cover every possible case, as it is impossible to predict and evaluate all circumstances beforehand. Be alert and use your common sense.

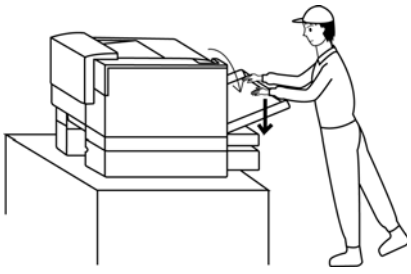
WARNING!

- If trouble occurs, disconnect the power plug.
  - If there is any trouble such as overheat, smoke, strange noise or offensive odors, immediately turn off the printer, and disconnect the power plug. Otherwise, it may cause fire or an electric shock.
  - Keep objects away from the wall socket to disconnect the power plug immediately.
- No impact.
  - Dropped or damaged the printer, turn off the printer and disconnect the power plug. Otherwise, it may cause fire or an electric shock.
- No modifications.
  - Do not modify the printer. Otherwise, it may cause fire, an electric shock or laser radiation.
  - If you look directly at or are exposed to laser radiation, your eyes or skin may be injured.
- Do not remove the case enclosure.
  - Do not remove the case enclosure of the printer. The laser radiation or touch the inside, it may cause burns or an electric shock. Ask for any inspection, adjustment or repair of the printer to to be undertaken by your dealer or service representative.
- Do not put anything on the printer.
  - Do not put metals such as paper clips and pins, or vessels containing water such as vases on the printer. If a piece of metal or water gets into the printer, it may cause fire or an electric shock.

- No foreign material get into the printer.
  - Do not spill any liquid into the ventilation slits of the printer. Do not get foreign material such as a metal or flammable article into the printer. Otherwise, it may cause fire or an electric shock.
- Touch with dry hands.
  - Do not touch the printer or the power plug with wet hands. Otherwise, you may suffer an electric shock, or the printer may malfunction.
- No excessive moisture or dust.
  - Do not place the printer at a place subject to excessive moisture or dust. Otherwise, it may cause fire or an electric shock.
- Do not cover any of the ventilation slits.
  - Do not cover the printer's ventilation slits. Otherwise, the inside of the printer may become overheated, with fire caused.
- Lifespan
  - The lifespan of the printer and its options is 300,000 images (printed 75,000 color pages) or five years (12,000 hours of the energized application), whichever comes first.
  - Using the printer beyond the lifespan needs replacement of the components which have exceeded their lifespans. Consult your dealer or TallyGenicom. Keeping on using those components beyond their lifespans may cause fire or an electric shock.
- Temperature differences
  - When you move the printer to a place with a temperature, significantly different condensation may form on its surface or inside. Under such circumstances, it may cause fire or an electric shock. Allow the printer to adjust the ambience of its new location for several hours before using it.

CAUTION!

- Do not stand on or lean. Do not place heavy articles on the printer.
  - Do not lean on the opened cover or the drawn paper tray. Otherwise, the printer may fall over, causing injury.



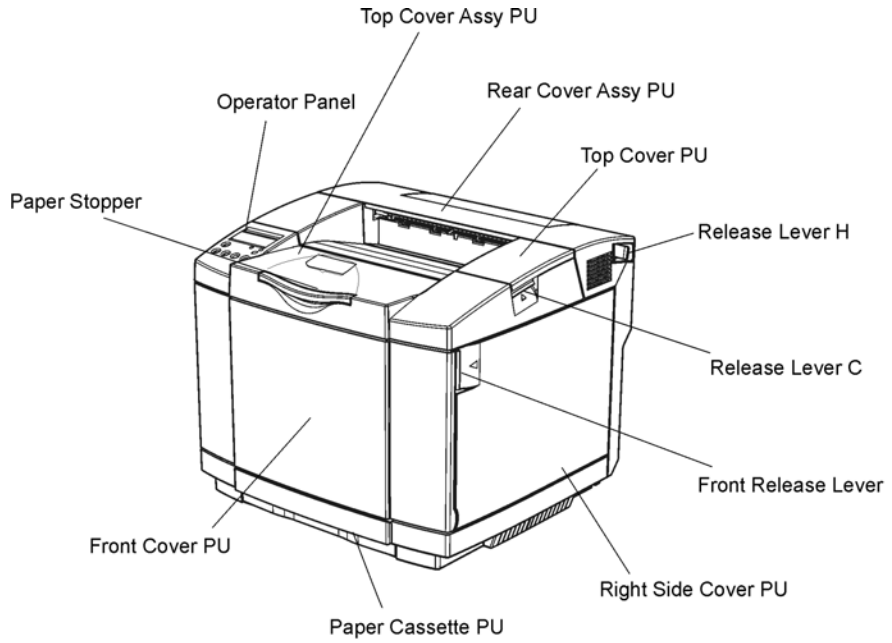
  - Do not place heavy articles on the printer. Otherwise, the printer may become imbalance, or fall over, causing injury.

- Install the printer in a stable place.
  - Do not place the printer in an imbalance position or on a slope, or in other unstable places. Otherwise, the printer may fall over, causing injury.
- Do not install the printer where subjected to high temperatures.
  - If you place the printer where subjected to direct sunshine, or near a heat source such as a stove, the printer may become overheated, causing trouble.
- Keep the printer away from a radio or TV set.
  - If you install the printer near a radio or TV set, the printer and the radio or TV set may adversely affect each other. If you find a lot of noise on the radio or TV set, take the following actions.
    - Install the printer as far from the radio or TV set as possible.
    - Change the direction of the antenna for the radio or TV set.
    - Use a power circuit or wall socket that is different from the one used by the radio or TV set.

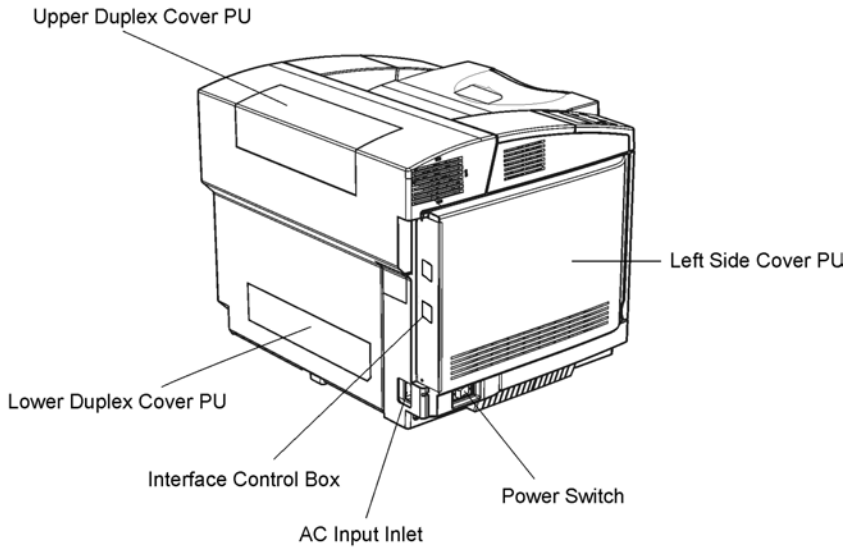
1.3 Outline of Product

1.3.1 Name and Function of Each Part

Printer TallyGenicom 8008



[Front View]



[Back View]

No.	Name of Parts	Outline of Functions
1	Top Cover Assy PU	To store the printed output on. If required the additional 2 paper supports can be also used to support the paper. The plate at the top can be raised and secured.The paper stopper on the front can be pulled out, the upright support raised and then adjusted back to the required paper size.
2	Operator Panel	To configure and advise the status of the printer.
3	Front Cover PU	To gain access to the toner cartridges and waste toner pack.
4	Rear Cover Assy PU	Transfers images onto the page and transports the paper. May be required to be opened when clearing internal jam or trouble shooting and when replacing the fuser unit
5	Top cover PU	Allows access to the OPC Belt Cartridge and transfer belt cleaner.
6	Power Switch	To power on or off the printer.
7	AC Input Inlet	To connect a power supply cable.
8	Interface Control Box	Controller board with USB and Ethernet connectors.
9/ 10	Upper/Lower Duplex Cover PU	To be removed only when installing the duplex unit.

1.4 Specifications of Product

1.4.1 General Specification Printer

No.	Name of Parts	Outline of Functions
1	Printing Method	Semiconductor laser and electrophotography
2	Print Speed a) Monochrome b) 4 Colors	Cassette feed and simplex continuous print: 31 sheets per minute (A4 size) 8 sheets per minute (A4 size)
3	Warming-Up Time (ambient temperature of 20°C)	45 seconds.
4	Resolution	600 × 600 dpi
5	Feeding Method	Cassette feed
6	Cassette Capacity	Ordinary paper: 250 sheets, Thick stock: 120 sheets, Label: 80 sheets, Transparency 50 sheets, Envelope: 15 sheets.
7	Printable Media[1]	A4, Letter, Executive, B5, Transparency, Label, Envelope
8	Paper Exit System[2]	Face down, 250 sheets (capacity)
9	External Dimension	480 (W) × 420 (D) × 385 (H) (mm)
10	Weight of Printer (including the consumables)	Approximately 31.5kg

1 Print media other than plain paper, such as Thick Stock, Label, Transparency and Envelope must be fed from the standard feeder only and cannot be used with the optional duplex unit.

2 Output capacity is determined by the output tray sensor.

Note: *Paper and other media can be highly variable and should be tested in the printer prior to purchase.*

1.4.2 Paper Feeder (Optional)

No.	Name of Parts	Outline of Functions
1	Cassette Capacity	Paper: 500 sheets
2	Printable Media	A4, Letter, B5 and Executive
3	External Dimension	460 (W) × 467 (D) × 185 (H) (mm)
4	Weight	Approximately 6kg

1.4.3 Duplex Unit (Optional)

No.	Name of Parts	Outline of Functions
1	Printable Media	Letter, A4
2	Rated Voltage	24V DC supplied from the printer engine.
3	External Dimension	Duplex Unit: 345 (W) × 185 (D) × 406.2 (H) Printer with duplex unit: 480 (W) × 522 (D) × 440 (H)
4	Weight	Approximately 5kg

1.4.4 Characteristics of Recommended Paper

Item	Description
Basis Weight (g/m^2)	82±5
Thickness (μm)	95±6
Stiffness (Clark)	100±15
Brightness (%)	85±2
Surface Resistance (Ω)	10^{10} to 10^{11}
Grain Direction	Long

Measurement Condition: 17.5 to 27×C, 50 to 70%RH

Note: *Paper should be kept in packaged condition, unopened, until ready for use. Paper and other media can be highly variable and should be tested in the printer prior to purchase.*

1.5 Environmental Condition

(a) Under Operation: 10.0 to 32.5°C, 20 to 80%Relative Humidity with No Condensation, 0 to 2,500 metres (8200 feet).

(b) Under Non-Operation: 5 to 35°C, 10 to 80% RH with No Condensation.

(c) Storage and Transportation Environment of Printer

The following defines the storage and transportation environment of the printers that have been packed according to TallyGenicom specification.

In particular, since consumables such as toner etc. are packaged, the following environmental conditions should be respected.

During transportation, strictly refrain from leaving the goods on the ground or under the blazing sun.

Temperature	Normal Condition	0°C to 35°C (32°F to 95°F)
	Severe Condition	High Temperature: 35°C to 40°C (95°F to 104°F)
		Low Temperature: -10°C to 0°C (14°F to 32°F)
Humidity	10% to 90% RH	
Period of Storage	1 Year after Ex-works	
Other	No Condensation	
Atmosphere	613 to 1,067 hpa (460 to 800 mm Hg)	

The period under the severe condition should not be continuous, but is assumed to be the total of intermittent time.

However, the total of intermittent time should never exceed 48 hours at maximum.

Normal condition should occupy more than 90% of the total storage period.

Severe condition should be less than 10% of the total storage period.

Chapter 2
Installation

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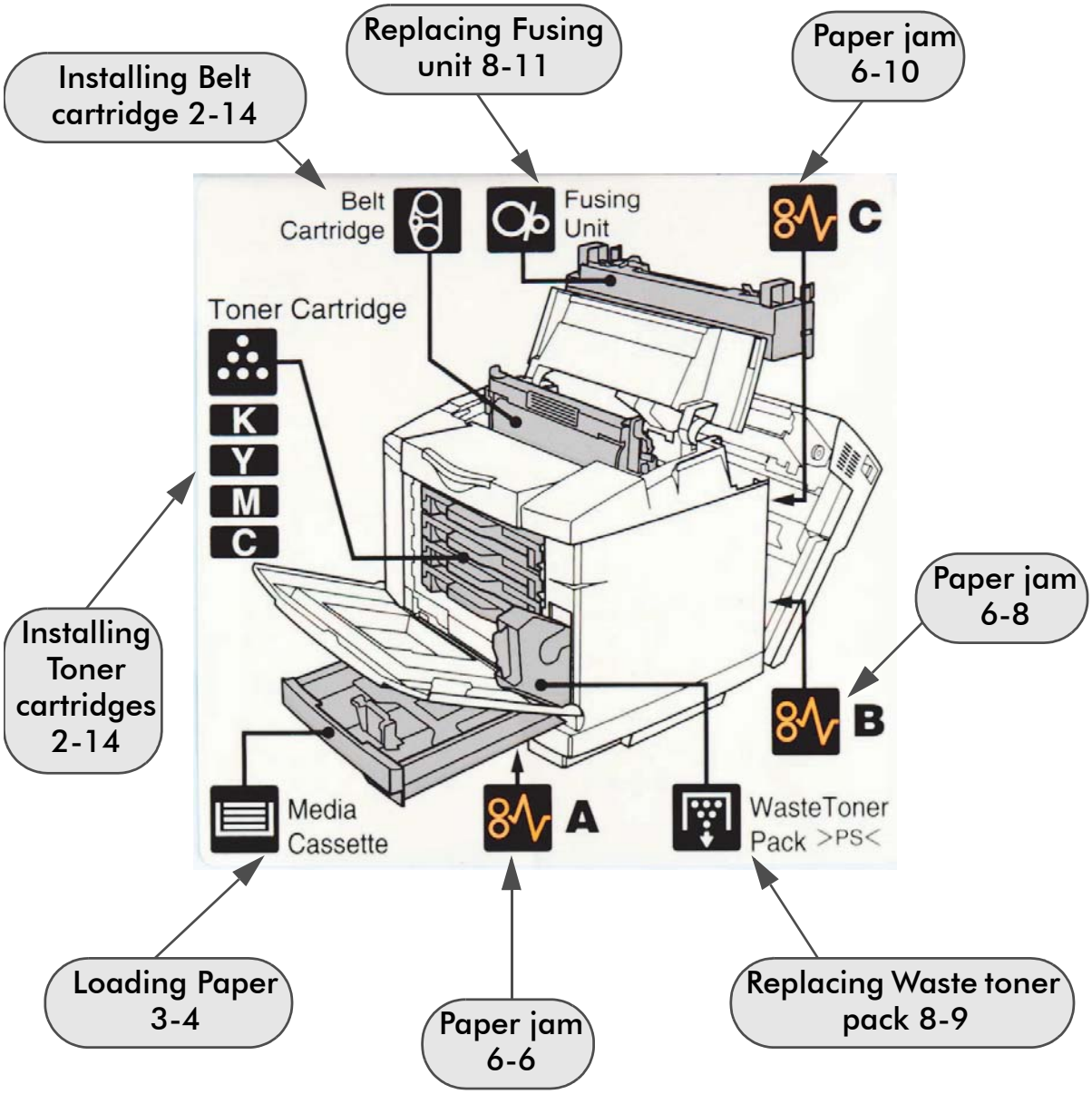
I don't know what to do?

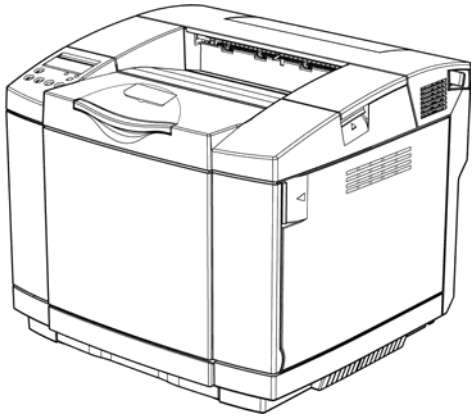
For situations like this, please read on…



2.1 Checking Your Package

Before installing the printer, check that all the items are contained in the package. Should any components be missing or damaged, contact your dealer.

Printer

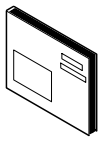


Power cord

Type is dependent on country.

Accessory kit

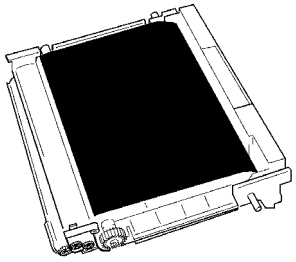
Quick Start Guide



Software set (CD-ROM)

Starter kit

Belt cartridge



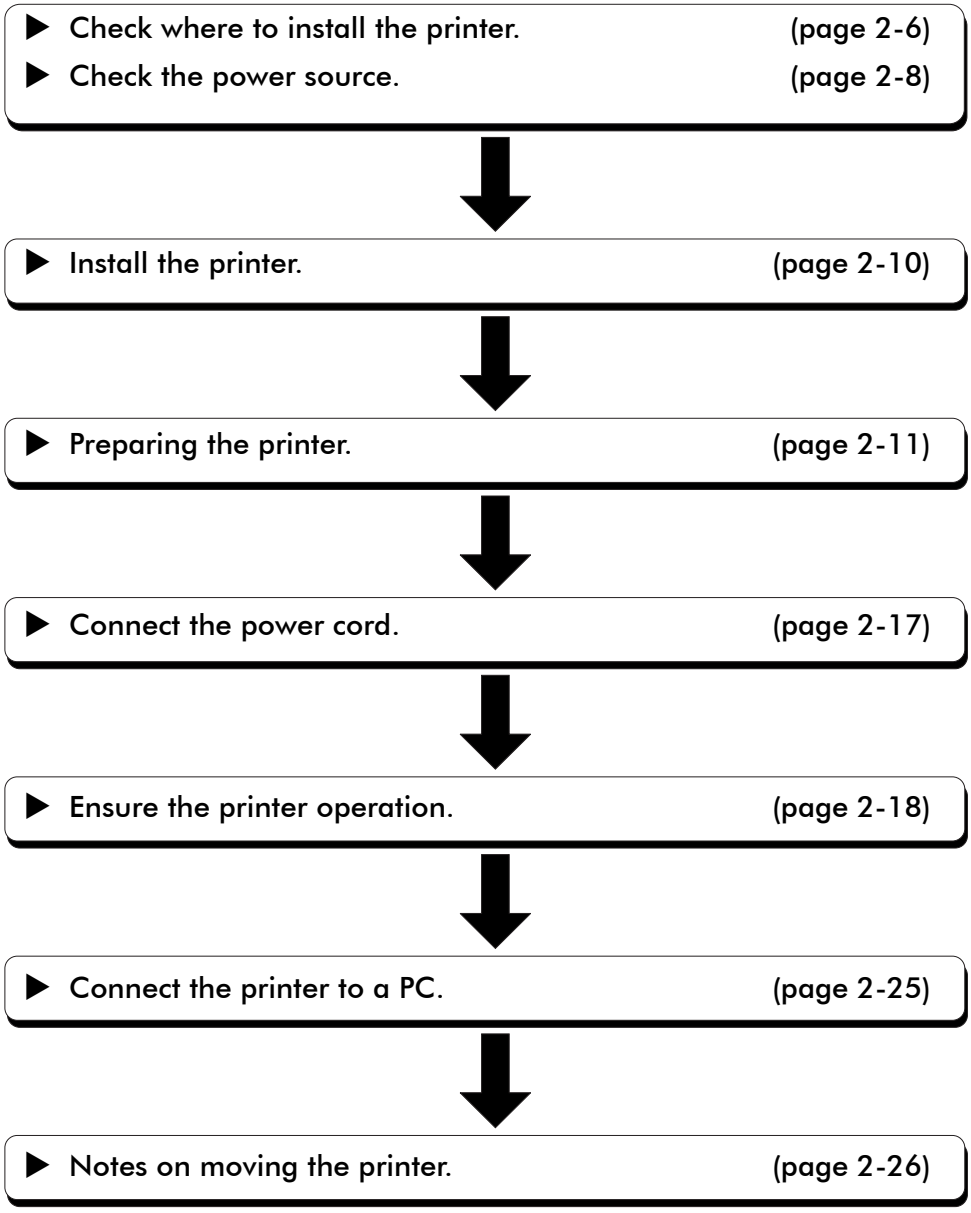
The printer includes toner cartridges K, Y, M and C (one of each), a waste toner pack and a fuser unit, all are consumables. The lives of the initial supplied toner cartridges are reduced when compared to the standard replacements giving up to 1500 images at 5% coverage. All the other consumables supplied with the printer have the same lives as the standard replacements.

2.1.1 Accessories and Consumables

- The software (CD-ROM) contains the printer drivers, user manual and other utilities.
- The printer includes a multi language Quick Start Guide

2.2 Procedure for Installation

CAUTION! *Have two or more persons carry the printer. Pay attention not to hurt your back or drop the printer; otherwise, you may suffer from injury. The printer weighs about 29 kg excluding consumables and options.*



2.3 Checking where to Install the Printer

Before installing the printer, check the environment and space for the installation.

2.3.1 Installation Environment

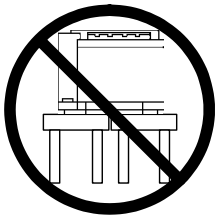
Install the printer on a stand or desk in a suitable environment as shown below.

The following gives the ranges of temperature and humidity acceptable for printer operation.

- Acceptable environment
  - Temperature: 10°C to 32.5°C
  - Humidity: 20% to 80%
- Recommended environment
  - Temperature: 17.5°C to 27°C
  - Humidity: 50% to 70%

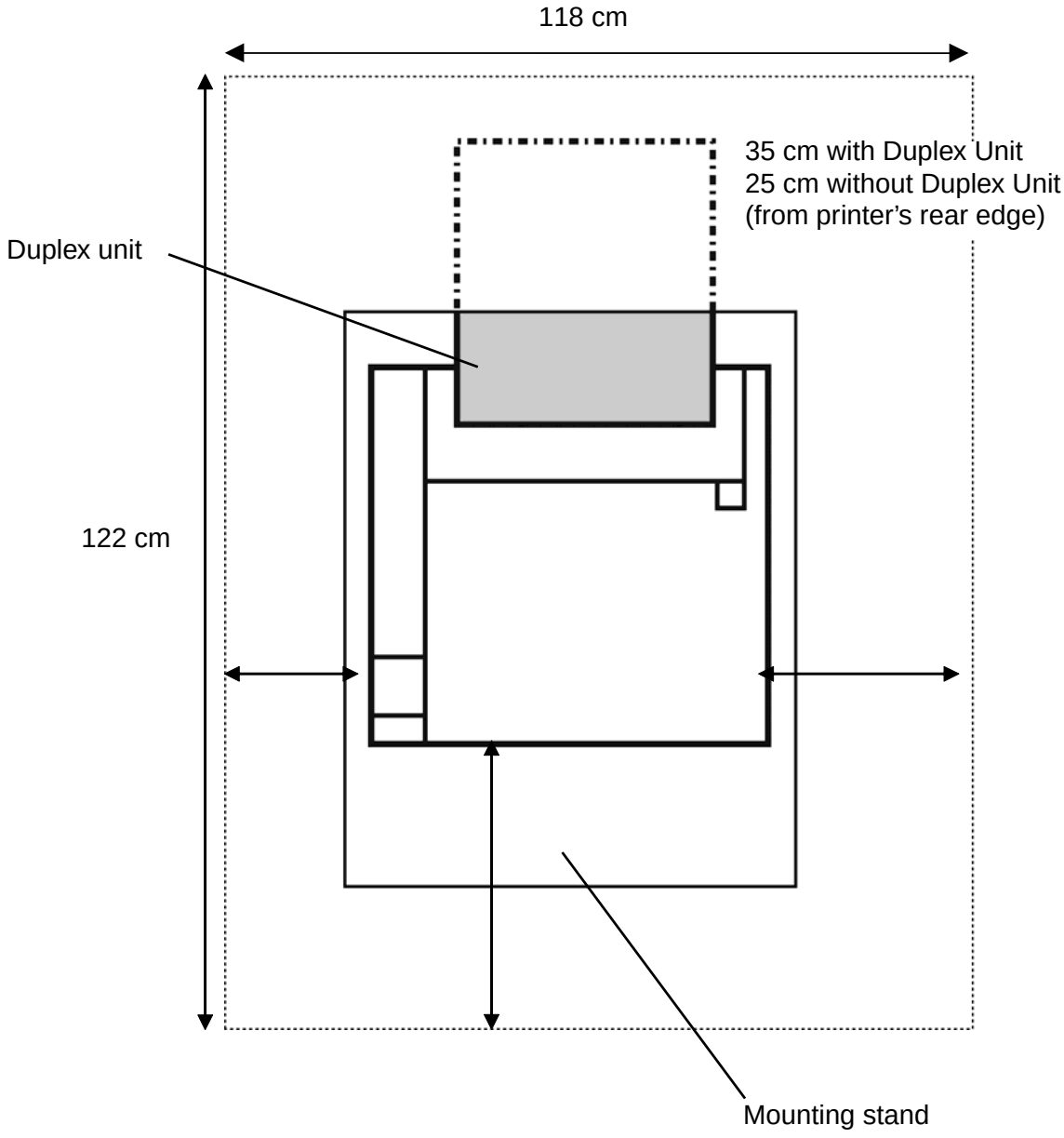
Do not install the printer in the following places:

- In a location subject to direct sunlight.
- Near an air conditioner, or where it is subject to direct cool or warm drafts, or radiated heat.
- Where it is subject to exhaust discharged directly from a PC or printer.
- Where the temperature or humidity changes significantly. (Take care so that the printer is not subject to condensation.)
- Where it is subject to excessive dust or corrosive gases.
- In a location such as a laboratory where chemical reactions occur.
- Where an ultrasonic humidifier is being used.
- In a poorly ventilated location.
- Near equipment which generates electrical noise and strong magnetic fields.
- Where it is subject to vibration or shocks.
- Anywhere that cannot withstand the weight of the printer (about 29 kg for the printer with consumables, and about 42 kg for the maximum printer configuration including the options).
- In an uneven place or mounting location that is not level.
- Where it may slide or where it is sloped.
- On more than one stand.



2.3.2 Installation Space

Secure enough space around the printer as illustrated below (top view) to ensure printer reliability, safety and ease of operation.



2.4 Checking the Power Source

Check the power source for the printer.

2.4.1 Input Power Requirements

TallyGenicom 8008EU:

- Supply voltage: 220 – 240 VAC
- Frequency: 50 Hz ±2 Hz

TallyGenicom 8008US:

- Supply voltage: 120 VAC ±10%
- Frequency: 60 Hz ±2 Hz

WARNING! *(Connect the printer to a dedicated wall outlet in compliance with the specifications of the printer. Connecting the printer to a non-compliant wall outlet may cause fire or electric shock.*
Use a grounded wall socket to prevent an electric shock. Never use a converter plug.

2.4.2 Power Consumption

The printer's maximum power consumption is 1,300 W.

When determining the power source for the printer, consider its electric power capacity as well. Should the rated power capacity be exceeded, the ring mains' circuit breaker may activate.

2.4.3 Precautions

Ensure that the plug connection is clean. In a damp environment, a contaminated connector can draw sufficient amount of current to generate heat and may, over an extended period of time, cause a fire.

Always use the power cable provided with your printer. Normally do not use a power extension, however If it use cannot be avoided then only use only a correctly rated power extension

Do not attempt to modify, pull, bend, chafe, or otherwise damage the power cable.

Do not place a heavy object on the cable. A damaged cable can cause fire or electric shocks.

Never touch a power cable with wet hands. This constitutes an electric shock hazard.

Stop operation immediately if your printer emits smoke, excessive heat, unusual noise or smell, or if water or any fluid is spilt onto the printer. These conditions can cause fire.

Immediately turn off and unplug the printer, and contact your TallyGenicom Customer Support centre.

If the power cable is broken or insulated wires are exposed, ask your TallyGenicom Customer Support Center for a replacement. Using a damaged cord can cause fire or electric shocks.

Do not unplug or replug the printer while it is on. Unplugging a live connector can deform the plug and cause fire.

When unplugging the printer, grasp the plug instead of the cable. Forcibly pulling on a cable can damage it and cause fire or electric shocks.

Be sure to switch off and unplug the printer before accessing the interior of the printer for cleaning, maintenance, or fault clearance. Access to a live printer‘s interior can cause electric shocks.

Once a month, unplug the printer and check the power cable for the following:

- The power cable is plugged firmly into a receptacle.
- The plug is not excessively heated, rusted, or bent.
- The plug and receptacle are free of dust.
- The cable is not cracked or frayed.

If you notice any unusual conditions, contact your TallyGenicom Customer Support centre.

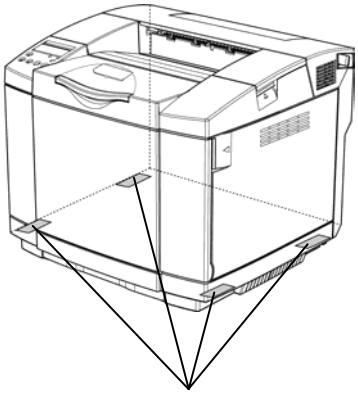
When the printer is not used over an extended period of time, switch it off and unplug it. If an unused printer is left connected to a power source for a long period, degraded insulation can cause electric shocks, current leakages, or fire.

Switch off the printer before connecting the interface cable or options. Connecting the cable or card with a live printer can cause electric shocks.

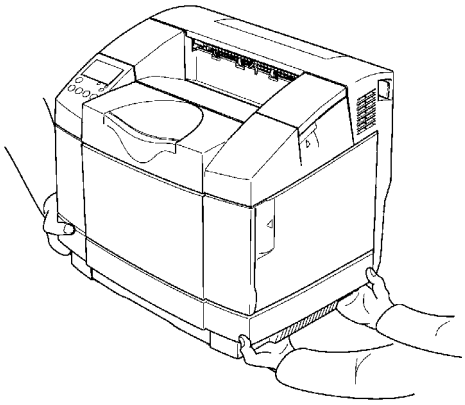
2.5 Installing the Printer

CAUTION! *(Have two or more persons carry the printer. Pay attention not to hurt your back or drop the printer; otherwise, you may suffer from injury. The printer weighs about 29 kg excluding its consumables and options.*
Do not grasp the polyethylene bag that covers the printer to take it out of its packing box. Otherwise, you may loose your grip and drop the printer, causing injury.
When carrying the printer, always grasp it by the provided gripping places. Otherwise, you may injure your hands.
It is recommended to store all the original packaging and shipping parts together.

1. Take the printer out from its packing box as detailed in the Quick Start Guide. You will find four grips at the bottom of the printer. Have two or more persons grasp these firmly to carry the printer.



Four grips



2. Install the printer in a suitable place.
3. Remove all the tape securing covers on the outside of the printer and any tape in the paper tray

Note: *do not attempt to remove yet the orange tags.*

2.6 Preparing the Printer

Install the consumables into the printer.

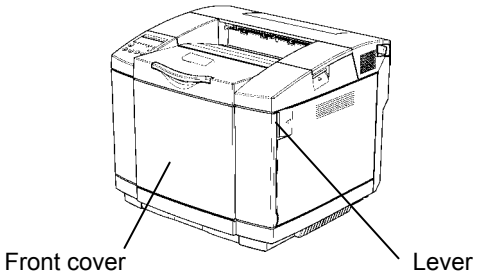
2.6.1 Toner Cartridges

The symbol for these parts is .

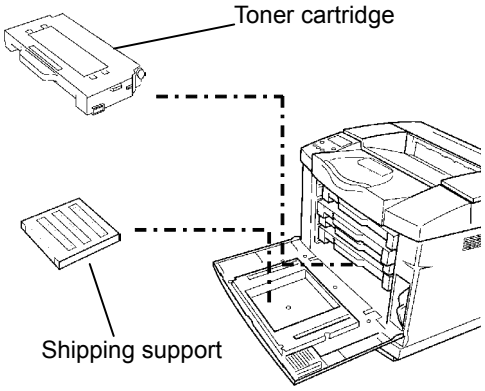
Remove the shipping cover.

Note: *Handle the toner cartridge with its label facing upward. Do not install the cartridge upside-down or reverse it.*

Install the cyan (C), magenta (M), yellow (Y) and black (K) toner cartridges as shown below.

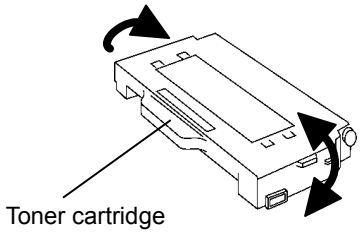


1. Unlock the lever on the front cover and open the front cover.

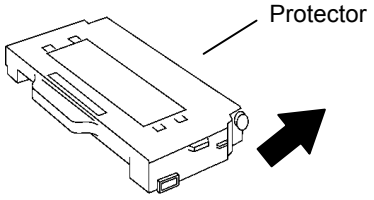


2. Remove the shipping support and four toner cartridges. Note that each toner cartridge has a label with a letter on. For each cartridge the letter is in line with the same letter label on the printer Store the shipping support with the printer packaging

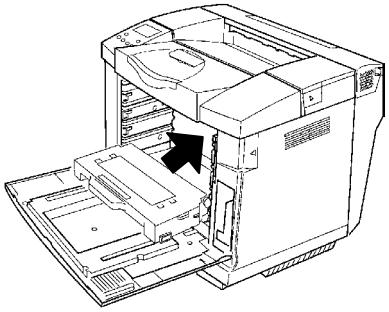
3. Pull the tape to completely remove the white shipping cover from the printer. Store the cover and tape with the printer packaging.



4. Take the cyan toner cartridge (C) and shake it three or four times in the direction of arrows to level out the toner inside the cartridge.

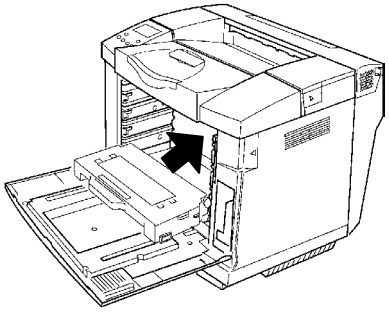


5. Peel off the tape, and remove the protector for the toner cartridge from the right. Store the cover with the printer packaging



6. Place the cyan toner cartridge along the bottom set of guides in the printer. It should slide in freely. If not check that you are installing it into the correct slot. The cartridges are keyed so that they cannot be fully installed into an incorrect slot.

▶ Repeat steps 4–6 to install the magenta (M), yellow (Y) and black (K) toner cartridges in that order.



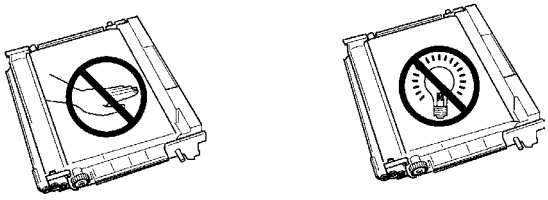
7. Close the front cover securely by pushing it until it locks to ensure that the toners are installed correctly.

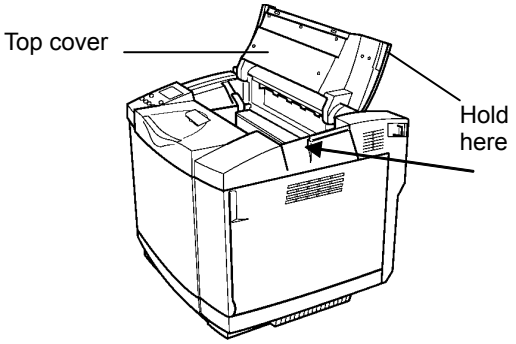
8. To prepare for the installation of the OPC belt, open the door again and pull each toner cartridge out about an inch.

2.6.2 Belt Cartridge

Install the belt cartridge in the printer as illustrated below. Pay attention to the following notes:

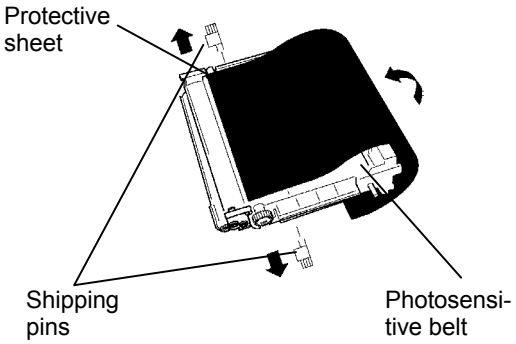
Note: *Do not touch the photosensitive belt or place it down where it can be scratched.*
The photosensitive belt is very sensitive to light. If this belt is exposed to light of 800 lux or more for 2 minutes or more, it deteriorates, causing troubles in the images printed. Pay attention not to expose the belt cartridge to light wherever possible.





1. Open the top cover by raising it. On the right hand side of the printer there is a recess to allow this. Raise the cover until it stays open.

▶ Keep the top cover fully open during the replacement work.

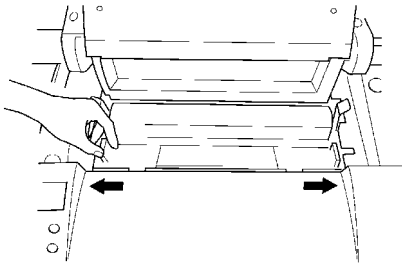


2. Hold the unit by the exposed black plastic part at the top of the unit. Remove and store the two shipping pins from the new belt cartridge.
3. Remove the protective sheet for the belt cartridge and store it. Pay attention to the following:

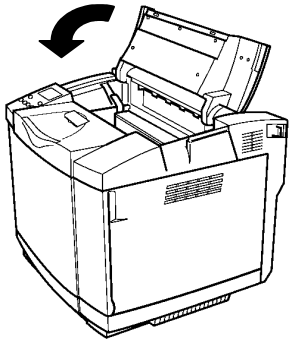
▶ Do not touch the photosensitive belt.

▶ Do not wipe off any of the white powder adhering to the photosensitive belt.

4. With the photosensitive belt facing front, hold the black handle at the top of the unit, slide the belt cartridge down into the printer along the guide until it stops. Once the unit is down, push down on both ends of the handle to ensure the belt is fully down.



5. Pull the lock levers back to lock the unit into place.



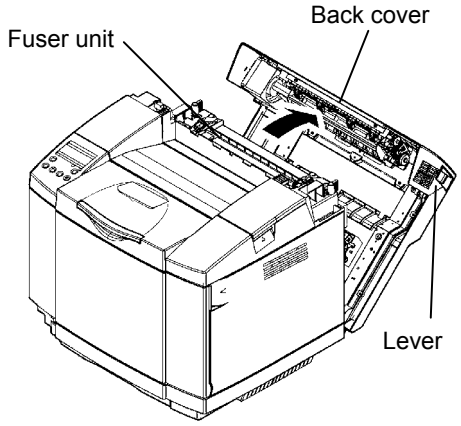
6. Hold the top cover and bring it down until it locks into place.

▶ Do not allow the cover to drop down.

7. Push the Toner cartridges back into the printer and close the front door.

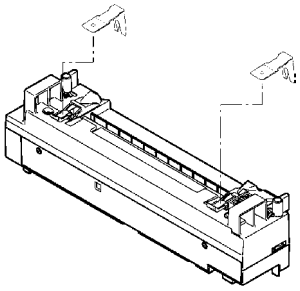
2.6.3 Fuser unit shipping parts

Remove the Fuser shipping parts as illstrated below.



1. Pull the lever on the back cover to unlock the back cover, and open the back cover until it stops.

▶ Keep the back cover fully open during the replacement work.

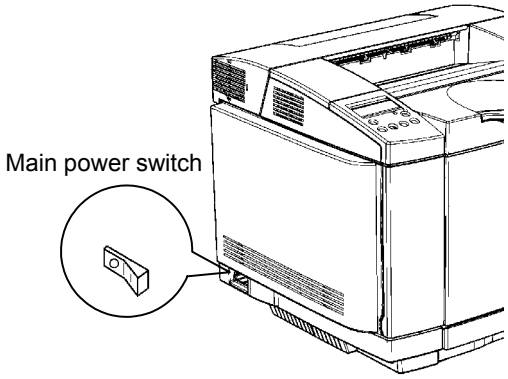


2. Pull the shipping release tabs (orange colored) provided on the left and right side of fuser unit Each tab has a clip at the end which was installed in the fuser for shipping.
3. Close the back cover and push it until it locks.

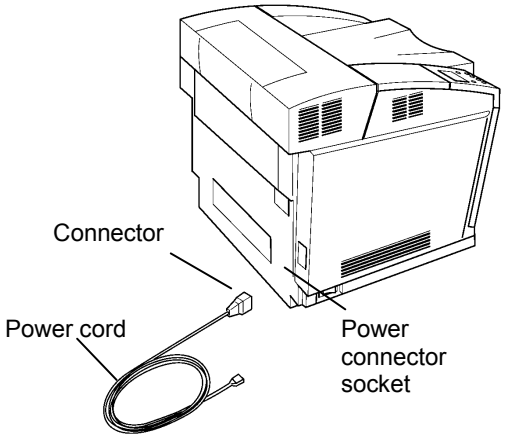
▶ Keep supporting the back cover as you close it.

2.7 Connecting the Power Cord

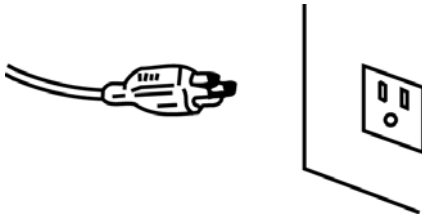
WARNING! *Should the printer generate abnormal heat, smoke, strange noises or offensive odor, immediately disconnect the power plug from the wall outlet. Continuing to use the printer may cause fire or electric shock.*
Only use the power cord supplied with the printer. Using another power cord may cause fire or electric shock.
Check that no dust adheres to the power plug. Fully insert the power plug into the wall outlet making sure it has no play. If there is dust on the power plug or if the power plug is not securely inserted, fire may occur, or you may suffer an electric shock.



1. Before connecting the power cord, check that the mains power switch for the printer is in the OFF position. Have you removed the toner and fuser shipping parts?



2. Insert the connector of the power cord into the printer socket.



3. Insert the plug of the power cord into a grounded wall socket.

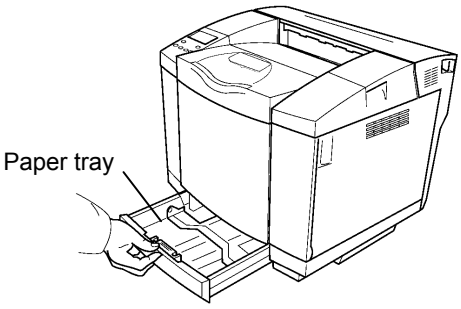
2.8 Ensuring reliable Printer Operation

Ensure that the printer is at room temperature. This is particular important in winter. Operating the printer when it is colder than the room temperature can cause paper jam or bad images.

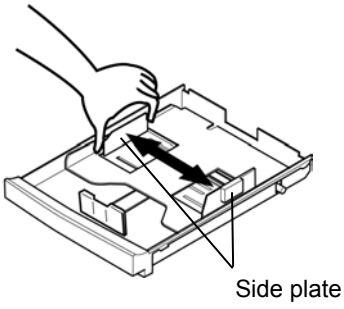
Each of the following procedures assumes the use of A4-size paper.

2.8.1 Adding Paper

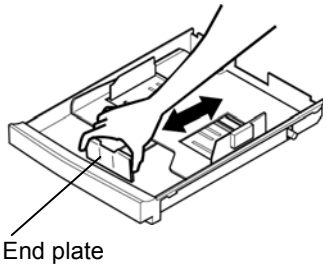
Before turning on the printer, add paper into the paper tray as shown below.



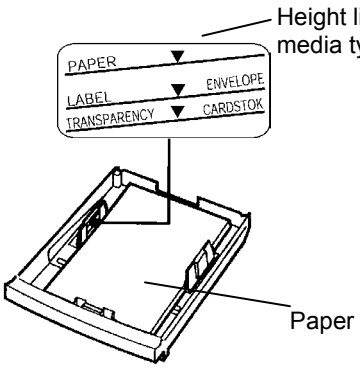
1. Pull out the paper tray from the printer.



2. On the left hand side plate press together the green plastic parts which have the spring between them. Slide to adjust the position of the side plates so they fit the width of the paper. There is a green arrow on the left side plate which can be lined with various standard paper sizes markers shown on the metal work in the base of the tray.

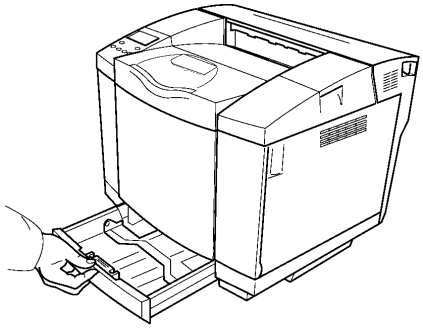


3. On the end plate press together the green plastic parts which have arrows on. Slide to adjust the position of the end plate so it fits the length of the paper. There is a green arrow on the end plate which can be lined with various paper sizes markers shown in the base of the tray.



4. Fan the paper and add it into the paper tray. Pay attention to the following:

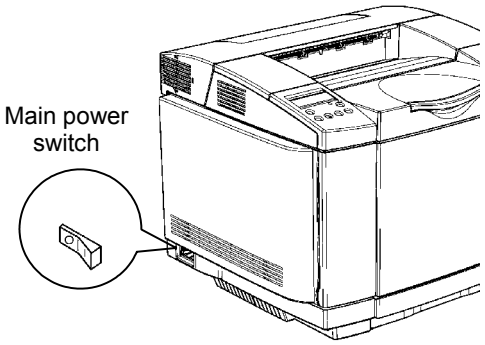
- Check that the four corners of the paper stack is at the same level in the paper tray.
- Supply an appropriate amount of paper so that it does not exceed its height limit.



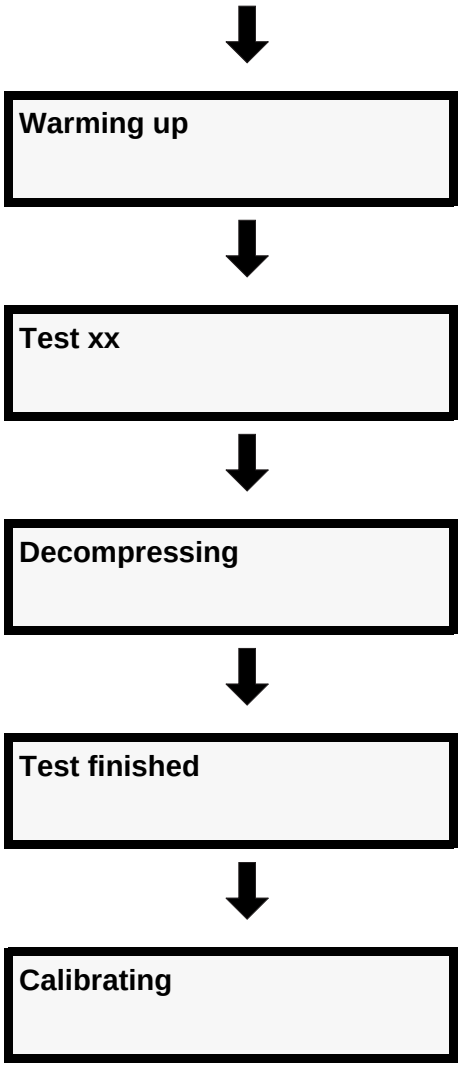
5. Re-insert the paper tray into the printer (see Chapter 3.2.1, "Print Media Guidelines").

2.8.2 Turning On the Printer

WARNING! *Should the printer generate abnormal heat, smoke, strange noise or offensive odors, immediately turn off the printer, and disconnect the power plug from the wall socket. Continuing to use the printer may cause fire or electric shock.*

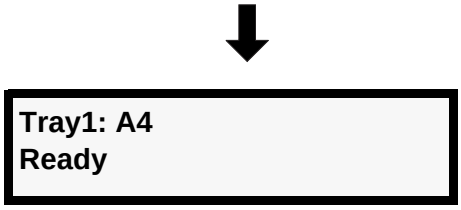


1. Press the printer mains power to turn the printer power on.
2. If the printer power does not turn on, see Chapter 6.5, "Actions on Abnormal Printer Operation".
3. When you turn on the printer, ensure that the LCD in the control panel displays the information as shown on the left.



If a printer error is detected:

If a printer error is detected, the ERROR lamp in the control panel stays on, and an error message is shown. For details of error messages and error messages and actions to be taken, see Chapter 4.2, "Messages".


Tray1: A4
Ready

2.8.3 Performing Test Print

Perform test print according to the procedure below. For details about performing test print, see Chapter 4.6.2, "Test Page Print (TestPrint Submenu)".

The following instructions have been completed with A4 paper in the printer. The same instructions are relevant for other paper sizes e.g. letter.

1. Ensure that the control panel is displaying Ready.

2. Press ONLINE key.

3. Press MENU key.

4. Press MENU key.

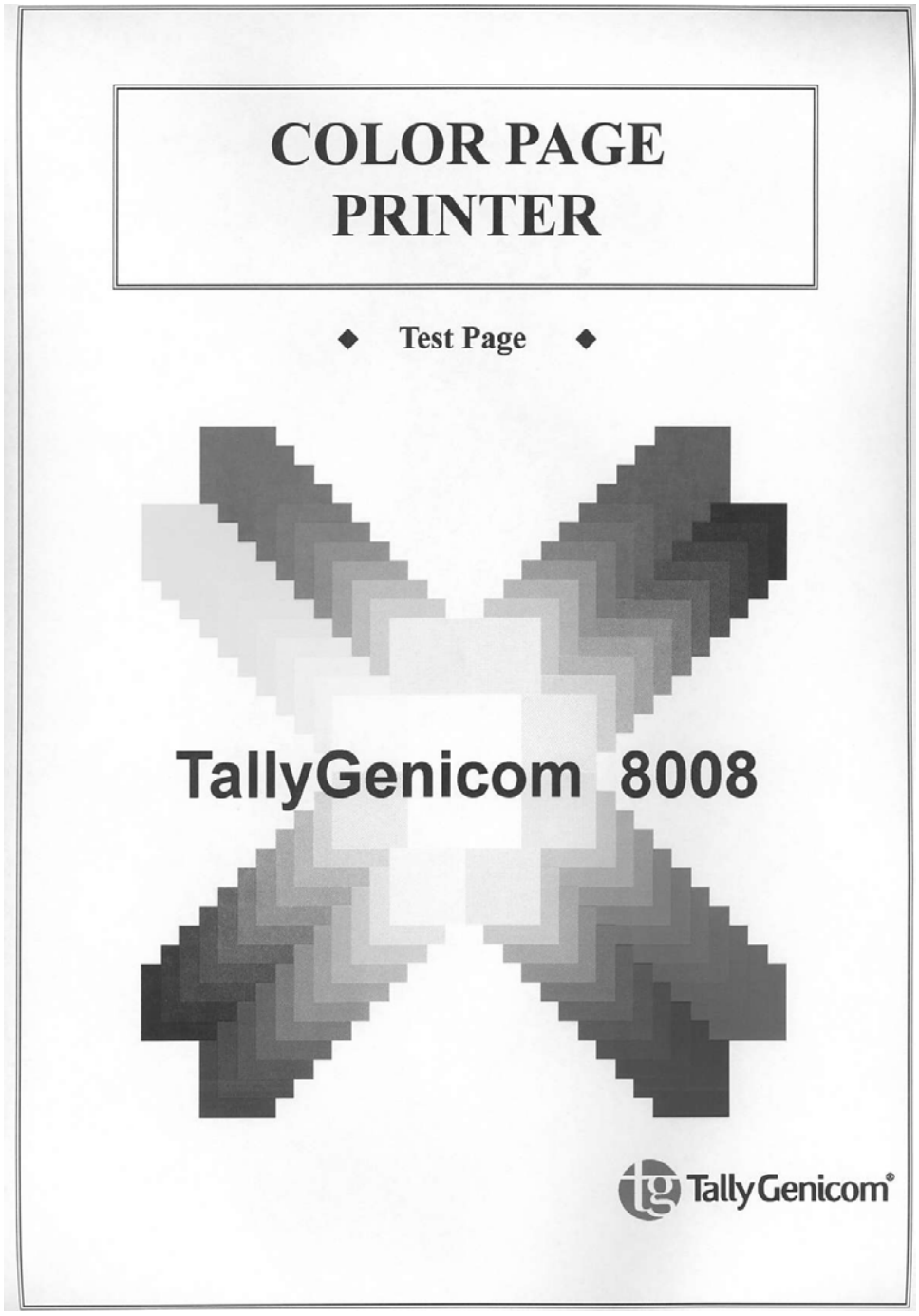
5. Press MENU key.
   Test print starts and the display blinks while printing.
   When test print ends, the printer returns to the offline status.

6. Press ONLINE key.

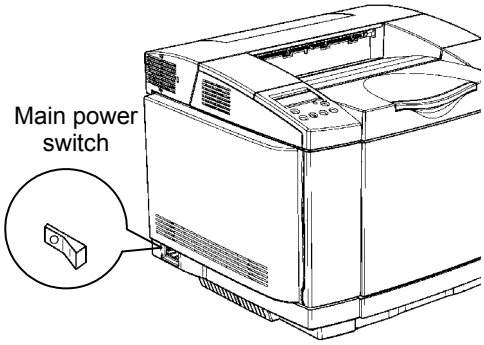
If a printing error occurs

If you find an error in the printed test pattern, see Chapter 6.3, "Actions on Print Quality Problems".

Printed Test Pattern



2.8.4 Turning Off the Printer



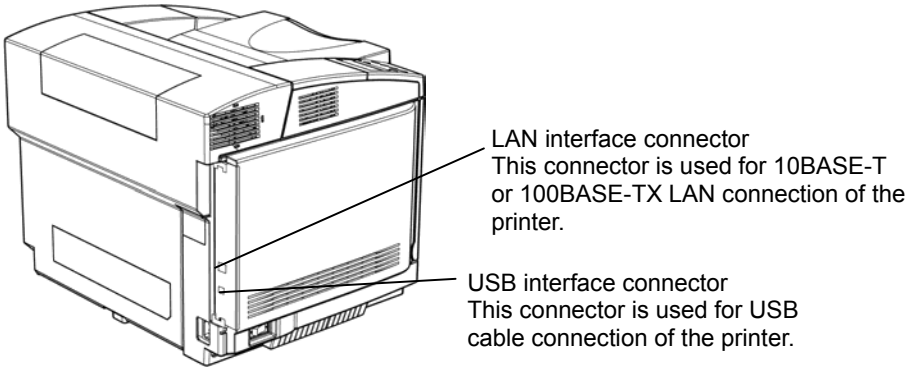
1. Check that the printer is not printing The panel should only be showing either ready or not ready.
2. Turn off the mains power switch.

2.9 Interface Cable

Connect the printer to a Windows® PC or Macintosh®.

2.9.1 Connecting the Interface Cable

Turn off the printer, and connect an appropriate interface cable to the correct connector on the rear of the printer.



2.9.2 Setting the Network

Refer to Chapter 5 Printer Driver for connecting the printer onto a Windows® PC or Macintosh system using either the Lan or USB connector.

When you use TCP/IP protocol, you can set the IP address, the subnet mask, and the gateway address on the control panel of the printer (see Chapter 4.9, "Network Menu").

2.10 Notes on Moving the Printer

CAUTION! *Have two or more persons carry the printer. Pay attention not to hurt your back or drop the printer; otherwise, you may suffer from injury. The printer itself weighs about 29 kg.*

- When carrying the printer:
  - Remove the Paper Feeder option and the Duplex Unit option, if any, from the printer before carrying it.
  - When carrying the printer, keep it horizontal. If you tilt the printer, consumables may spill in the printer, causing trouble.
  - Subjecting the printer to shocks or strong vibration may cause it not to work. When carrying the printer on a trolley, push it slowly and carefully.
- When transporting the printer:
  When transporting the printer, the consumables need to be removed and the inside of the printer need to be cleaned for repacking. These actions must be conducted by a qualified service engineer on a chargeable basis.

Chapter 3
Basic Printer Operations

3.1 Turning On and Off 3-2

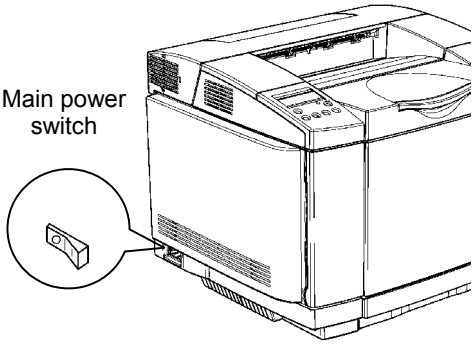
3.2 Loading Paper Trays with Print Media 3-4

3.1 Turning On and Off

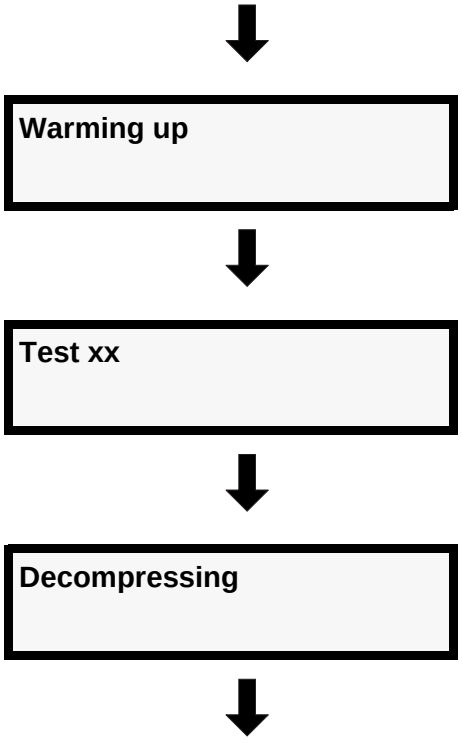
WARNING! *If the printer generates abnormal heat, smoke, strange noises or offensive odors, immediately turn off the printer, and disconnect the power plug from the wall outlet. Continuing to use the printer may cause fire or electric shock.*

3.1.1 Turning On the Printer

When you turn off the printer, wait 20 seconds or more before turning it back on.



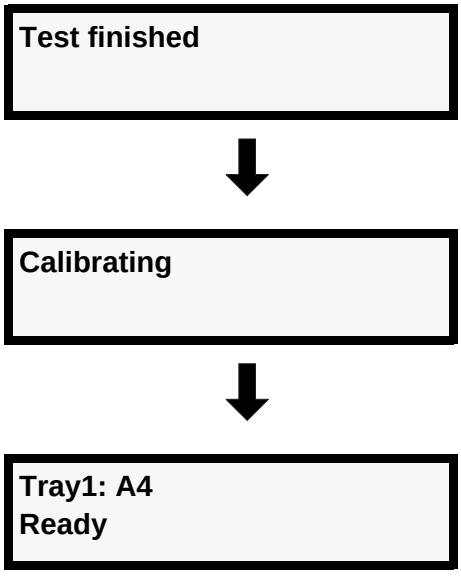
1. Press the printer mains power to turn the printer power on.
2. If the printer power does not turn on, see Chapter 6.5, "Actions on Abnormal Printer Operation".



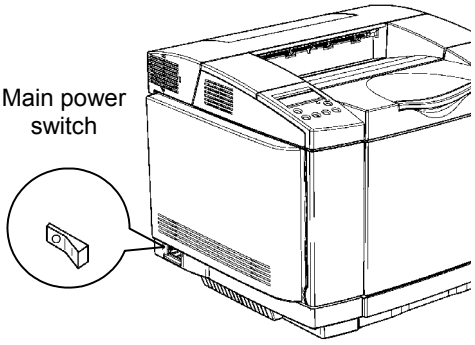
3. When you turn on the printer, ensure that the LCD in the control panel displays the information as shown on the left.

If a printer error is detected:

If a printer error is detected, the ERROR lamp in the control panel stays on, and an error message is shown. For details of error messages and error messages and actions to be taken, see Chapter 4.2, "Messages".



3.1.2 Turning Off the Printer



1. Check that the printer is not printing The panel should only be showing either ready or not ready.
2. Turn off the mains power switch.

3.2 Loading Paper Trays with Print Media

3.2.1 Print Media Guidelines

Print Media Specifications

The tables below show the specifications for print media based on feeder and print mode.

Inbuilt feeder in Simplex Print

Media type	Media specifications	Tray capacity	Media size (W x L in mm)
Plain paper	For laser printer. Weight: 60 to 90 g/m^2.	About 250 sheets	A4 (210 x 297) A5(148.5 x 210) B5 (ISO) (176 x 250) B5 (JIS) (182 x 257) Letter (215.9 x 279.4) Half Letter (139.7 x 215.9) Executive (184.2 x 266.7) Legal[1] (215.9 x 355.6) Custom (100 to 215.9 x 210 to 297 or 355.6[3])
Thick paper	For laser printer. Weight: 90 to 210 g/m^2.	About 120 sheets	
Label	For laser printer. Capable of continuous formfeed.	About 80 sheets	
OHP film (transparency)	For laser printer.[2]	About 50 sheets	A4 (210 x 297) Letter (215.9 x 279.4)
Envelope[4]	Non-flap side only.	About 15 sheets (excluding H/H condition)	Commercial #10 (104.8 x 241.3) International DL (110 x 220)

1 Requires optional paper tray capable of loading up to legal size media.

2 Certain types of OHP films (transparencies) are not designed for laser printers. Use of such transparencies sometimes causes severe damage to the printer, necessitating repair.

3 Max. length of custom media size is 297 mm for standard paper tray and 355.6 mm for optional paper tray capable of loading up to legal size media.

4 When using envelopes only the central area of the envelope can be guaranteed to be crease free after printing. This restriction is due to the envelope construction.

All media should be tested prior to purchase of the printer.

Optional feeder in Simplex Print

Media type	Media specifications	Tray capacity	Media size (W x L in mm)
Plain paper	For laser printer. Weight: 60 to 90 g/m^2.	About 500 sheets	A4 (210 x 297) B5 (ISO) (176 x 250) B5 (JIS) (182 x 257) Letter (215.9 x 279.4) Executive (184.2 x 266.7)
Thick paper	For laser printer. Weight: 90 to 105 g/m^2.		

All media should be tested prior to purchase of the printer.

Duplex Print

Media type	Media specifications	Media size (W x L in mm)
Plain paper	For laser printer. Weight: 60 to 90 g/m^2.	A4 (210 x 297) B5 (ISO) (176 x 250) B5 (JIS) (182 x 257) Letter (215.9 x 279.4) Executive (184.2 x 266.7) Legal[1] (215.9 x 355.6) Custom (100 to 215.9 x 210 to 297)[2]
Thick paper	For laser printer. Weight: 90 to 105 g/m^2.	

1 Applicable only to optional paper tray capable of loading up to legal size media in Tray 1.

2 Custom paper size is only supported using the in built feeder, it is not supported in the optional feeder.

All media should be tested prior to purchase of the printer.

Not usable Print Media

Print Media which is not Usable in the 8008 includes:

- Thick or thin sheet out of the specifications
- Media other than those for the laser printer
- Thermally sensitive paper or films, e.g., thin OHP films (transparencies)
- Processed media, e.g., perforated media or media with holes for a binder
- Media with staples, paperclip or tape attached to it
- Preprinted forms, printed media, and media printed by a copier (Using media previously output from a printer or copier may cause jams or other trouble.)
- Media that is creased, wrinkled, warped, blotched, or torn
- Moist or wet media
- Media left out for a long period after it has been taken out of their package
- Media with adhesive such as paste
- Label media where there is no label material being used to fill in between the labels.
- Slippery media
- Rough media, e.g., low-grade paper and traditional Japanese paper
- Poorly cut media
- Carbon and coated media
- Media covered with a lot of powder or containing a high proportion of calcium carbonate
- Previously used labels

Notes on print media

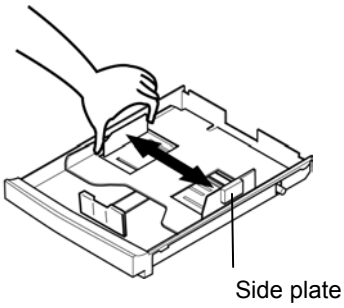
- Do not use media for ink jet printer.
- Difference between the grain (orientation of paper fiber) and the printer's paper feed direction may cause frequent jams. It is advisable to use media having portrait grain i.e. grain which is parallel to the paper feed direction.
- Some types of media may result in frequent jams or poor printing quality. When determining the media to use, fully check the printing quality and make sure jams do not occur.
- Some types of media may shorten the lifespan of the printer's components and consumables. In particular, printing a large amount of recycled paper, thick paper, envelopes, or labels shortens the lifespan.

3.2.2 Adding Print Media

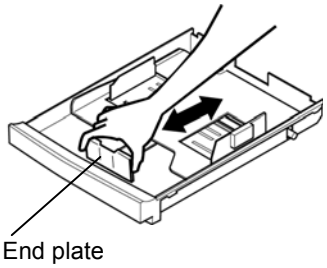
For adding paper into tray 1 see Chapter 2.8.1, "Adding Paper"

Note when custom sized paper is used in cassette 1 the display will show the page size selected to be seen in the printer's menu "PaperDisp" setting.

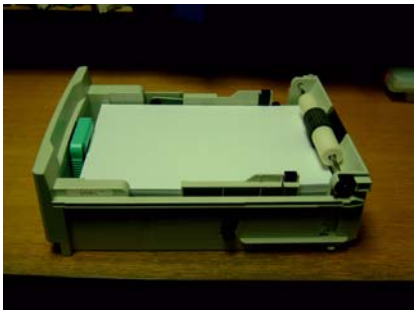
When the printer reports "printing" in the display, do not remove the paper tray from the printer. It may cause a jam.



1. Remove the optional paper tray from the printer.
2. On the left side plate press the green plastic lever in the direction of the arrow and slide the side plate to the correct position for the paper width. The arrow on the plate should line up with the supported page sizes indicated on the metal work on the base of the tray.

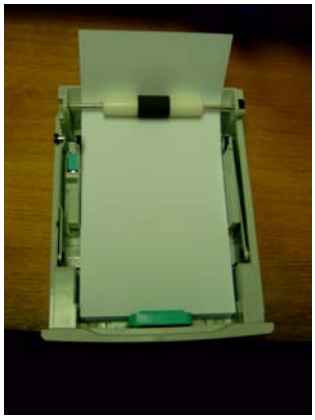


3. On the rear end plate press the green plastic levers together and slide the end plate to the correct position for the paper length. The tabs on the lever will slot into place in line with the marking of one of the supported page sizes shown on the base of the tray.

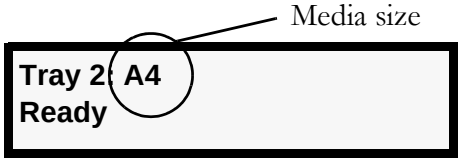


4. Fan the paper stack and add it into the paper tray. It is easier to place the paper stack first under the roller and then let it rest against the rear support. Check the following:

- Check that the four corners of the paper are level in the paper tray.
- Supply an appropriate amount of paper has been added so that it does not exceed the highest horizontal line on the height limit shown on the inside of the left side plate.
- Check the paper stack to ensure that no paper has shifted so that its edges are not in line with the rest of the paper stack
- If paper is already in the tray you will need to pull the uppermost sheet away from the roller before adding more paper.

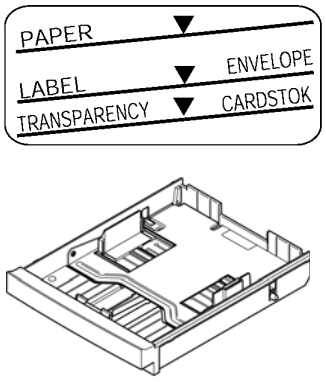


5. Re insert the paper tray into the printer.
6. Check that the media size displayed on the control panel is correct.

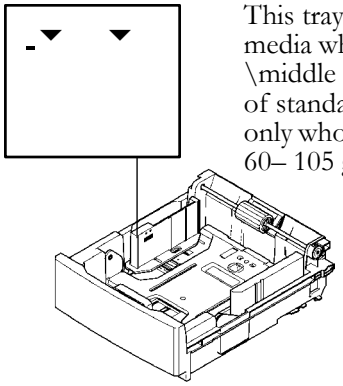


Note: *The height limit for print media varies with the paper tray as shown below. Be sure to load the print media within the height limit.*

Height limit indication on Tray 1



Height limit indication on Tray 2



This tray supports media which is plain \middle thick paper of standard sizes only whose weight is 60– 105 g/m^2

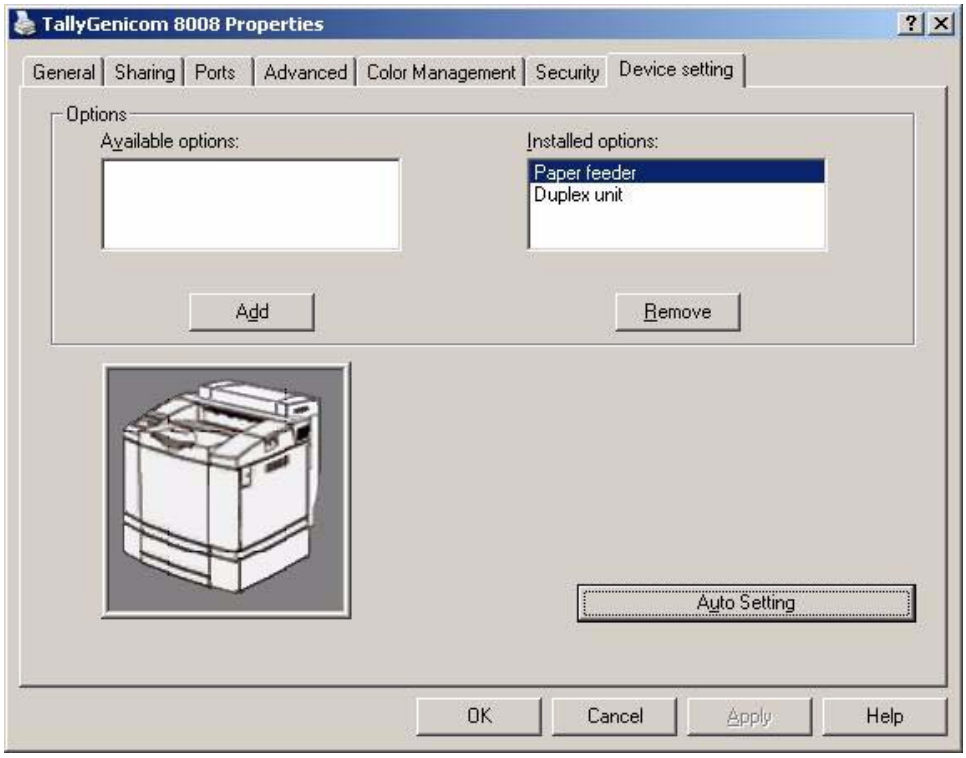
Height limit for Cassette1 by media type:

- Plain paper: Up to PAPER
- Thick paper and label: Up to LABEL
- Transparency/CardStock (164 – 210 g/m^2) Up to TRANSPARENCY
- Envelope: Up to ENVELOPE

3.2.3 Selection of Feeder and Duplexer

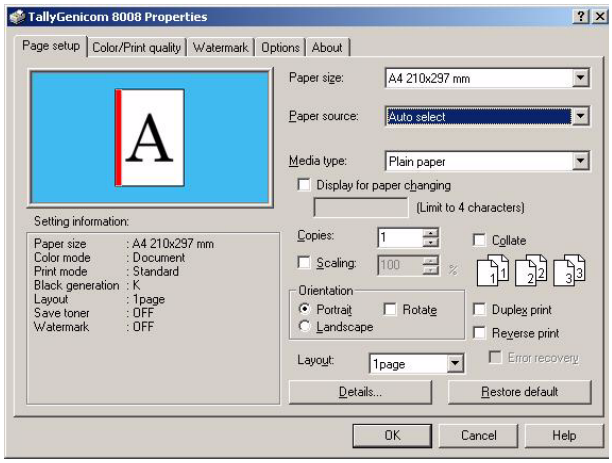
If you have installed an optional duplexer or feeder you will have to add these options within your printer Windows© printer driver. For the Macintosh© driver the option does not have to be added as it is always available within the driver.

For more details see Chapter 5.3.5, “Selection of installed options”.



Select the options on the left side of the screen and click the **Add** button to add this as an installed option within the printer driver.

Select one of the Paper Source settings on the printer driver according to your required input tray. An example is shown below. If required additional information can be seen in the printer driver help. You may also specify the input tray from within some application programmes.



1. Open the printer properties and click the Page Setup tab.
2. Specify the correct paper size
3. Select Paper Source according to your requirement.

▶ Auto Select: Automatically selects the input tray containing media of the specified size with the priority of cassette 1 >cassette 2.

▶ Cassette 1 or cassette 2: Selects the specified input tray.

4. Click the **OK** button to confirm your settings.

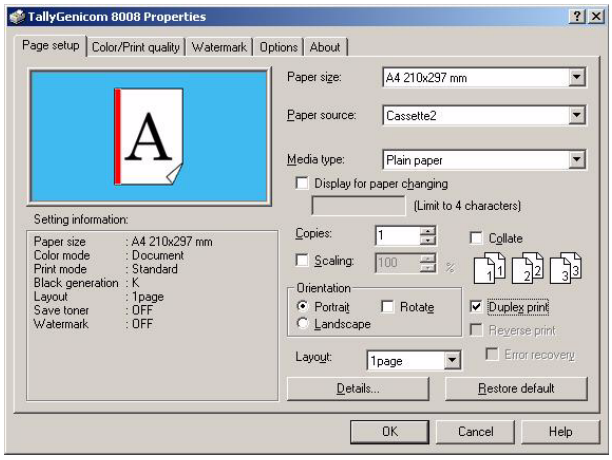
Notes on paper feeder

- A5, Half Letter, Commercial #10, International DL, or Custom size media are only fed from cassette 1. Legal size media can only be fed from cassette 1 using the USA only available optional input tray for sizes up to Legal media sizes.
- If the Media Type setting on the printer driver is Label, Transparency, Thick1, Thick2, Special or Envelope, the print media can only be fed from cassette1.

3.2.4 Duplex Printing

To print with the Duplex Unit option on both sides of the sheet, it is necessary to specify the duplex print on the printer driver according to the procedure below.

See the printer driver help of Windows or Macintosh installation chapter for further information.



1. Open the printer properties and click the Page Setup tab.
2. Check the Duplex Print checkbox.
3. Click the **OK** button to validate your settings.

Notes on duplex printing

In any of the following cases, the printer performs simplex print regardless of the above setting.

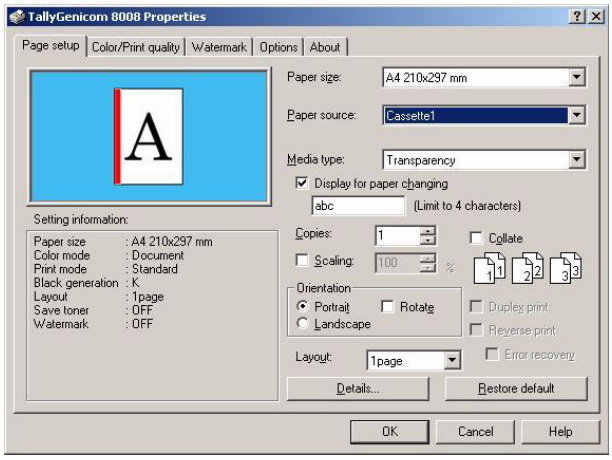
- When the Media Type setting is Label, Transparency, Thick1, Thick2, Special or Envelope.
- When the Paper Size setting is A5, Half Letter, Commercial #10, International DL, or Custom.

3.2.5 Changing the Media before Starting Print (Pause Function)

You can use the "Display at Paper Changing" function of the printer driver to pause the printer allowing the correct media or size to be placed in the paper tray before continuing to print the special job. Use this function when:

- you are not sure if the paper tray contains the required media; or
- you want to add the media in the paper tray only just before the required job starts printing.

If you have changed the media type or if you want to print a document using a custom size. This function may be especially useful when you are using a printer shared amongst several people.



1. Open the printer properties and click the Page Setup tab.
2. Check the "Display for Paper Changing" checkbox.
3. Enter user id or similar identification consisting of four or fewer characters.
4. Click the **OK** button to validate your settings.
5. When the printer receives this print data, the printer stops and the control panel displays the message as shown left.

Note: *This example assumes that the input tray is Tray 1, the paper size is A4, the media type is OHP film (transparency), and the identification input by the user is abc.*

Change Tray 1
A4 (Trans): abc

6. Remove the paper tray as requested by the panel message.
7. Insert the correct type or size of media into the tray..
8. Insert the paper tray into the printer, and printing will start.

Notes: *Without removing the paper tray, you can continue printing by pressing any key on the control panel other than ONLINE and CLEAR.*

Chapter 4
Control Panel Functions

4.1	Functions of LCD and Lamps	4-2
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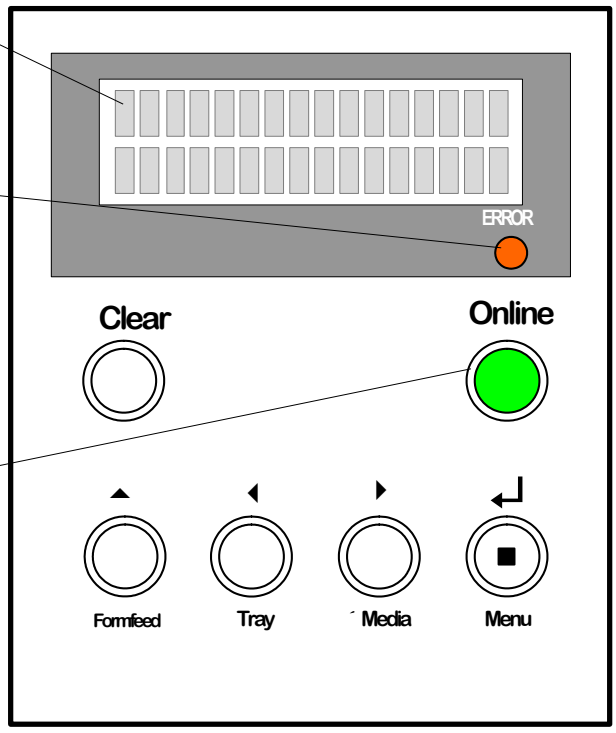
4.3	Functions of Control Keys	4-10
4.4	Panel Menu Overview	4-13
4.5	Operating Panel Menus	4-18
4.6	Test Menu	4-20
4.7	Config Menu	4-30
4.8	Utility Menu	4-40
4.9	Network Menu	4-47
4.10	Toner Sense Menu	4-53

4.1 Functions of LCD and Lamps

LCD (16 characters x 2 rows):
Displays messages relating to the state of the printer.

ERROR lamp (Orange):
Lit when a problem which results in a inability to print is displayed.

ONLINE lamp (Green):
Lit when printer is ready to receive and print jobs and turned off when printer is not. If no error condition exists pressing the “ONLINE” key which the led is part of toggles the status.

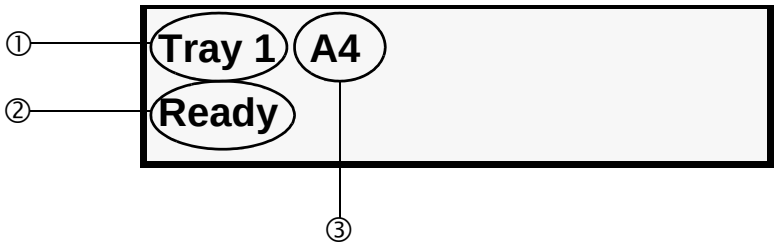


4.2 Messages

4.2.1 Messages in Fixed Format

When the printer is up and running, the LCD shows messages relating to the state of the printer in the fixed format illustrated below.

When not printing



① Input tray specified

- "Tray1": Tray 1
- "Tray2": Tray 2

② Size of print media in the corresponding paper tray

- "A4": A4
- "A5": A5
- "B5": B5 (ISO) or B5 (JIS)
- "Exe.": Executive
- "Legal": Legal (with optional paper tray)
- "Letter": Letter
- "HalfLTR.": Half Letter
- "#10/DL": Commercial #10 or International DL
- "NO": No paper tray (removed)

③ State of the printer

- "Ready": The printer is ready for receiving, or in the middle of receiving, print data (online status).
- "Not ready": The printer is not ready for receiving print data (offline status).

When printing

Normally, the printer status is displayed in the lower line while receiving print data.

The display contents can also be switched by pressing ▲ key to show the number of the page currently printing, the selected media type.

This display shows the printer status.

This display shows the numbers of printed pages.

This display shows the print mode.

4.2.2 Messages in Free Format

When the printer is powering up or when the printer requires an operator's response, the LCD shows messages either showing the progress of powering-up or required actions in a free format. The messages are designed to advise what actions need to be undertaken.

SVC xxx ERROR Error Recovery	[State] A printer error has been detected. [Action] Turn off the printer, wait five seconds or more, and turn on the printer again. If this message appears often, contact your dealer or TallyGenicom.
JAM-A Tray, Rear JAM-B Rear JAM-C Rear JAM-D Duplex JAM-E Duplex	[State] A jam has occurred. [Action] Remove the media causing the jam (see Chapter 6.2, "Media Jams").
Check Output Tray	[State] The output tray will soon be full. [Action] Take out the printed media from the output tray.
Output Tray Full	[State] The output tray is full. [Action] Take out the printed media from the output tray.
Test xx	[State]Initial test is running. [Action]Wait for a while.
Test finished	[State]Initial test is finished. [Action]Wait for a while.
Decomplessing	[State]The printer firmware is decompressing. [Action]Wait for a while.
Please Wait	[State]Initial diagnostics is running. [Action]Wait for a while.
Warming Up	[State]The printer is warming up. [Action] Wait for a while. When the ONLINE lamp is lit, the printer can receive print data even during the warming-up process.
Calibrating	[State]The printer is calibrating. [Action]Wait for a while.
Toner Sensing	[State]The printer is calibrating. [Action]Wait for a while.

TMA Sensor Error	[State] A printer calibrating error has been detected. [Action] Turn off the printer, slide cassette 1 out and back into the printer a couple of times. Power the printer back on, if this message appears often, contact your dealer or service representative. This error is displayed only when calibration mode is set as ON. If you do not notice any problem in the print result, you can choose whether calibration mode is used or not by setting the calibration mode.
Reset	[State] The printer is resetting. [Action] Wait for a while.
Duplicate IPaddr	[State] IP address is duplicated. [Action] Disconnect the LAN interface cable, change IP address by setting the IP address and connect the LAN interface cable.
Sleep Mode	[State] The printer is running in sleep mode (power save mode). [Action] No action. If the printer receives print data or if you press any key on the control panel, the printer returns to normal mode.You can choose whether this mode is used or not by setting the sleep mode. You can change the amount of time before the printer enters sleep mode by setting the sleep time (see Chapter 4.7.3, "Sleep Mode (Sleep Mode Submenu)")
PM Error	[State] An Page memory error occurred. [Action] The error is temporary. If you do not notice any problem in the print result, keep using the printer as it is. If this message appears often, contact your dealer or service representative.
Data Error	[State] The printer has received invalid print data. [Action] Press the CLEAR key to erase the print data. If this message appears often, contact your dealer or service representative.
Close Front Cover	[State] The front cover is open. [Action] Close the front cover.
Check Front Cover	[State] The front cover is not firmly closed. [Action] Open the front cover, then firmly close it until it locks.

Open Front Cover	[State] Any event requiring the front cover to open has occurred. [Action] Open the front cover, then firmly close it until it locks.
Close Top Cover	[State] The top cover is open. [Action] Close the top cover.
Close Back Cover	[State] The back cover is open. [Action] Close the back cover.
Close DuplexUnit	[State] The duplex unit cover is open. [Action] Close the duplex unit cover. When this message remains even if the duplex unit cover is closed, check whether any other cover is opened or not.
Trayx Load yyyy	[State] The paper tray "x" is not inserted [Action] Insert the appropriate paper tray. [State] The paper tray "x" does not contain media, or does not contain the size "yyyy" of media to receive print data. [Action] Supply the specified size of media to the indicated paper tray. You can also restart printing by changing the source paper tray using TRAY key (see Chapter 4.3.1, "CLEAR Key (Erasing Print Data)").
Trayx Load zzzz	[State] Print data cannot be printed because tray "x" does not contain the media type "zzzz." [Action] Replace the media in the indicated tray with the specified type of media (see Chapter 4.3.2, "MEDIA Key (Changing the Media Type for Printing)"). If you do not have the specified type of media, you can print data by changing the media type by pressing the MEDIA key until the actual media type loaded is displayed then press the formfeed key to print.

Change Tray x: yyyy (zzzz): aaaa

[State] The printer is temporarily stopped, requesting a manual intervention to continue the print job for tray "x," media size "yyyy," and media type "zzzz" from the user "aaaa." This has been caused by the "Display at Paper Changing" function of the printer driver.

[Action] See if the corresponding paper tray is loaded with correct media. If you are sure without removing the tray, press any key on the control panel other than ONLINE and CLEAR, and the printer starts printing. If you are not, remove the paper tray, confirm the contents and, if necessary, replace the contents with the specified media. Then, insert the tray again, and the printer starts printing.

4.2.3 Variants in Free-Format Messages

Media size indication (yyyy)

Indication	Media size
A4	A4
A5	A5
B5	B5 (ISO) or B5 (JIS)
EXE.	Executive
LGL.	Legal
LTR.	Letter
HLT.	Half Letter
#10	Commercial #10
DL	International DL

Media type indication (zzzz)

Indication	Media type
Thin	Plain paper
Plain	Plain paper
MThic	Thick paper
Thic1	Thick paper
Thic2	Thick paper
Label	Label Sheet
Env1	Envelope
Env2	Thick Envelope
Trans	Transparency (OHP film)
Spec.	Special paper

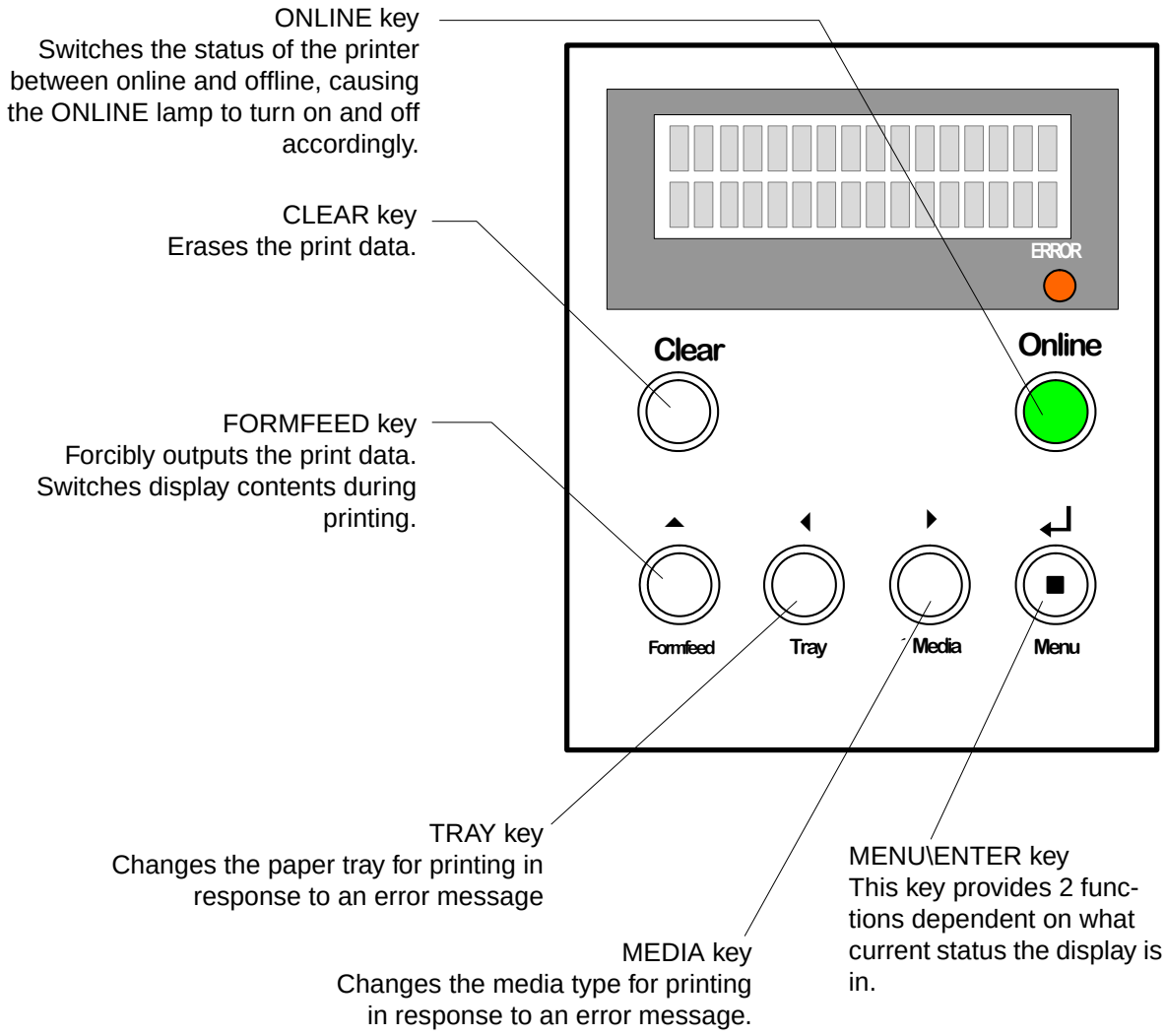
4.3 Functions of Control Keys

The control panel has six control keys that operate in two different modes: normal mode and panel menu mode, which allows the printer to be set up.

- In normal mode:
  CLEAR, FORMFEED, ONLINE, TRAY and MEDIA keys are available.
- In panel menu mode, activated normally with the MENU key:
  ENTER/↵, ◂, ▸ and ▴ keys are effective for setting the enviroment of the printer.

This section explains the major functions of control keys in normal mode. For the control key functions in panel menu mode, see later in this chapter.

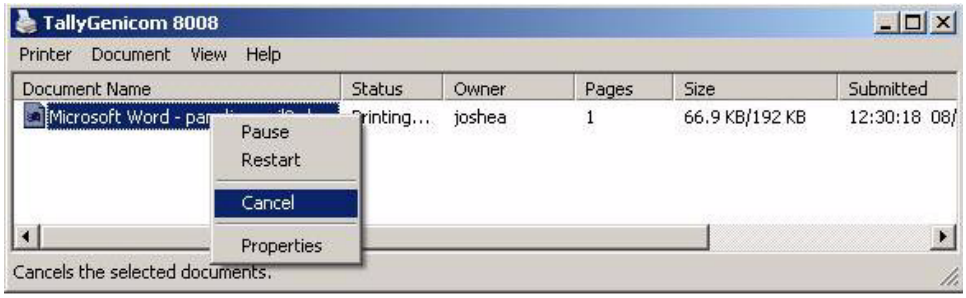
Functions of the control keys effective in normal mode are shown below.



4.3.1 CLEAR Key (Erasing Print Data)

There are two ways of canceling the print data with CLEAR key: job clear and data reset as shown in the table below. The procedure for erasing the print job using CLEAR key follows.

Job Clear Press the CLEAR key.	Cancels the print job which the printer is currently processing. If this job is still being received and the job is large it may take some time to clear the job and return to the ready state.
Data Reset Hold down CLEAR key for two seconds or more.	Cancels all of the print jobs which have been received, but the print job currently being received remains active. Therefore, it is necessary to delete that print job on the PC or the network server. To do this, using Windows XP as anexample, select start settings\printers and faxes\double click the 8008 printer. Click on the current job being sent, right click and select cancel as shown below.



1. Ensure that a message requesting change of the media to a different size is displayed.
2. Press TRAY key to change the paper tray.
3. Press ONLINE key.

The print media is fed from the paper tray indicated now in the upper row of the display.

- **Pressing FORMFEED key at stage 2 forces a print using the currently installed paper.**
- **You cannot change to cassette 2 if the size being requested to be placed in cassette 1 is not supported in cassette 2.**

4.3.2 MEDIA Key (Changing the Media Type for Printing)

If you do not have the media type specified in the message, use this key to change the media type. The procedure is as shown below.

1. Ensure that the message requesting change of the media of a different type is displayed.

2. Press MEDIA key until it matches the type of media in the requested cassette.

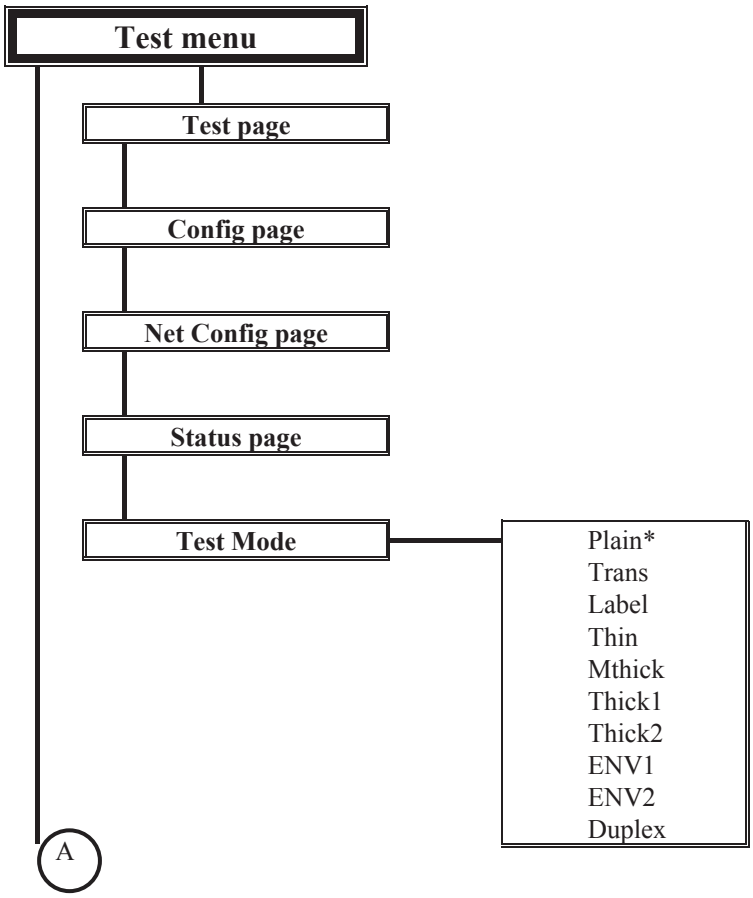
3. Press ONLINE key.

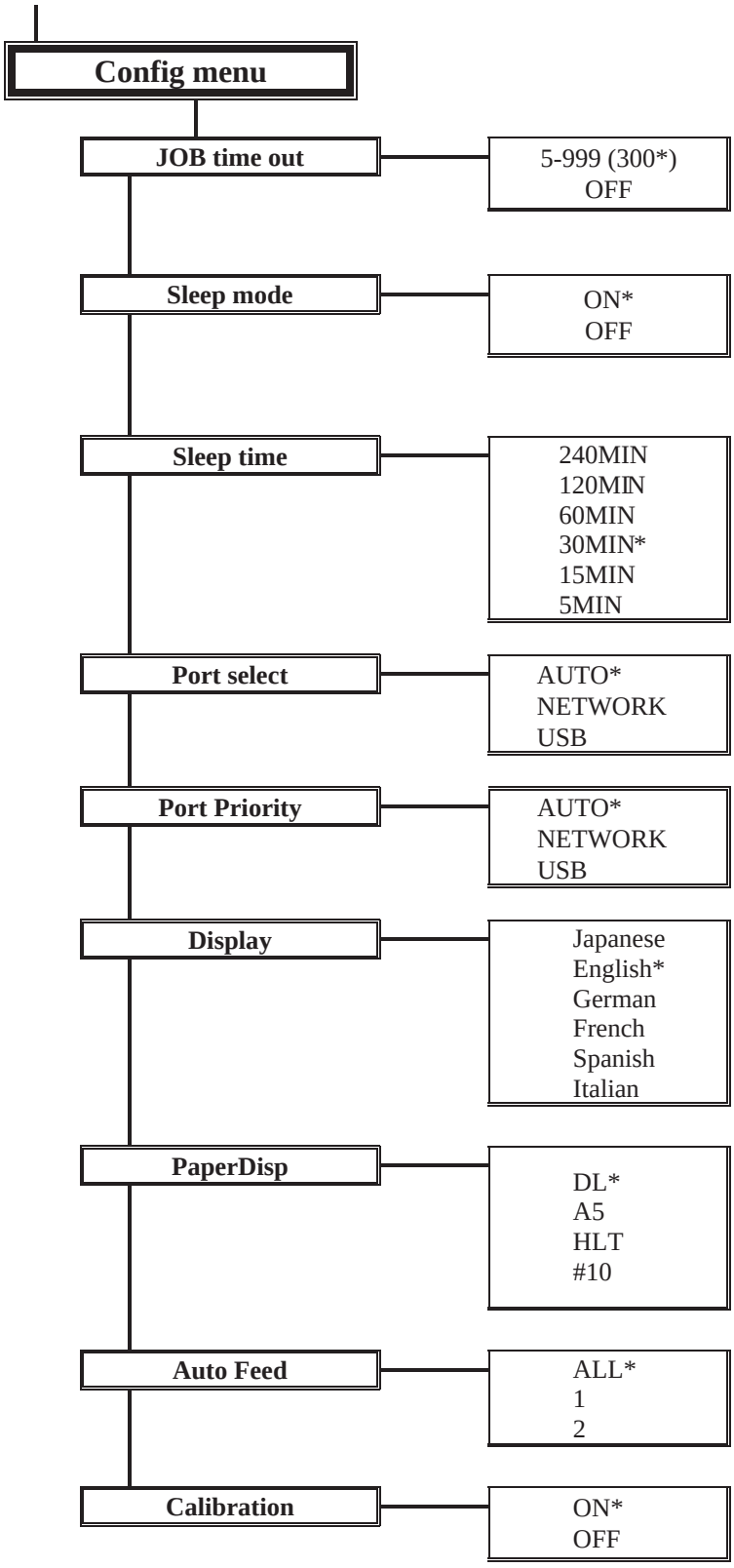
- **Pressing FORMFEED key at stage 2 forces a print using the currently installed paper. The printer will assume that this media is plain.**
- **Printing on media different from the type defined for the print job may cause incorrect print results, e.g. partially missing print. If this practice is continued it may lead to a hardware failure.**

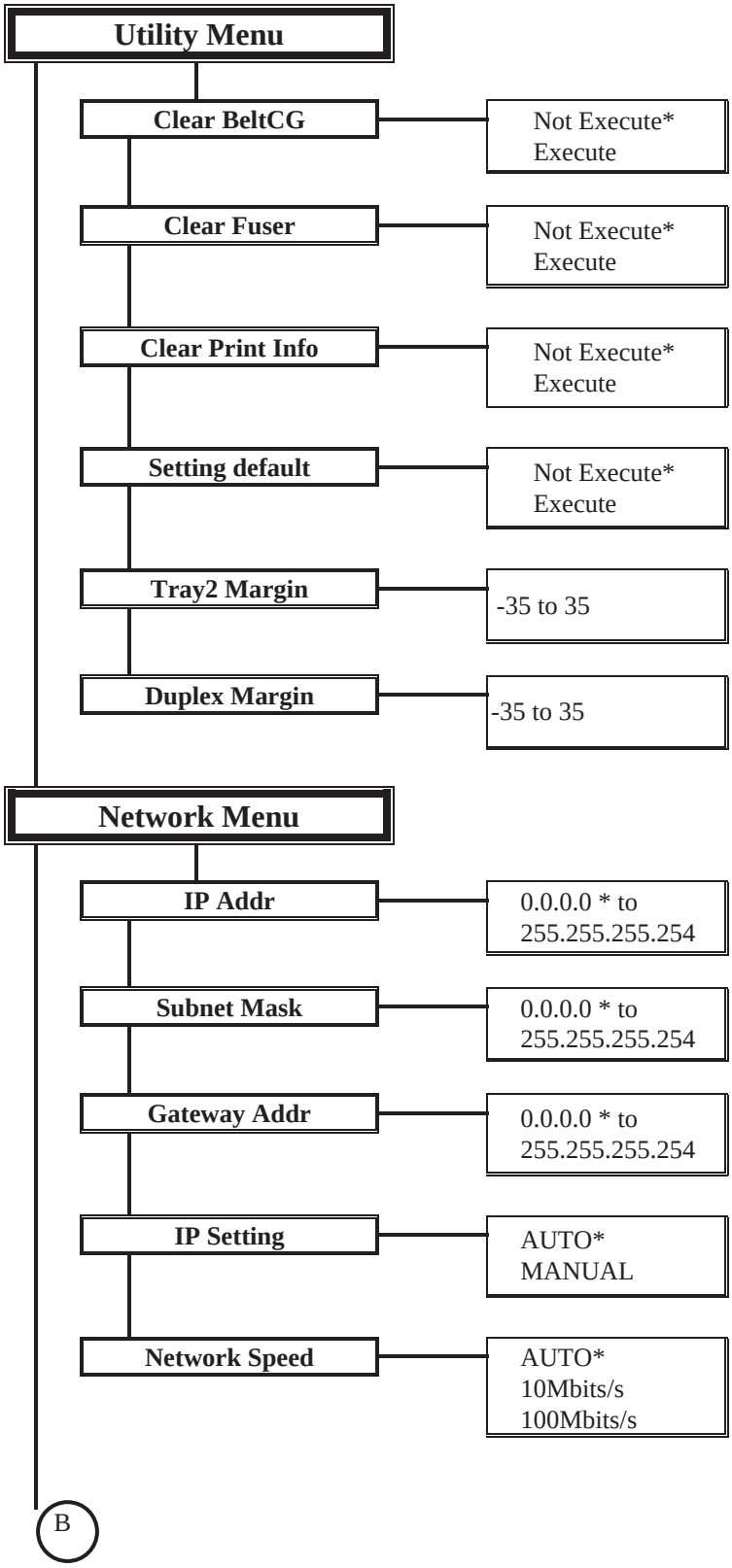
4.4 Panel Menu Overview

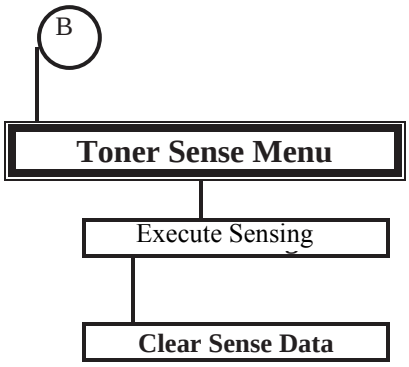
The printer has internal menu settings which can be changed using the control panel as required. Such menus are collectively called "panel menus." The table below lists the panel menus and their functions. The subsequent figure shows the hierarchical structure of these menus and functions when displayed on the control panel LCD ("*" = factory-set default).

Menu	Function
Test Menu (Page 4-20)	Prints the test pattern (Test Page), configuration information (Config Page), network configuration information (Net Config Page), printer's status information (Status Page) and specifies the printing conditions for these pages (plain paper, transparency, thick paper, duplex print, etc…).
Config Menu (Page 4-30)	Specifies the printer configuration settings: timeout condition, sleep mode, sleep time, port selection mode, auto mode priority selection, display language, display paper size for installing small size paper, paper tray priority, and calibration mode.
Utility Menu (Page 4-40)	Specifies the advance printer configuration settings: counter reset of the consumables, parameter reset to the factory default, and margins settings.
Network Menu (Page 4-47)	Specifies the LAN connection settings: IP address, subnet mask, and gateway address.
Toner Sense Menu (Page 4-53)	Specifies the toner calibration settings: execution of the sensing and clear sense data.


Test menu
Test page
Config page
Net Config page
Status page
Test Mode
Plain*
Trans
Label
Thin
Mthick
Thick1
Thick2
ENV1
ENV2
Duplex
A


Config menu
JOB time out
5-999 (300*)
OFF
Sleep mode
ON*
OFF
Sleep time
240MIN
120MIN
60MIN
30MIN*
15MIN
5MIN
Port select
AUTO*
NETWORK
USB
Port Priority
AUTO*
NETWORK
USB
Display
Japanese
English*
German
French
Spanish
Italian
PaperDisp
DL*
A5
HLT
#10
Auto Feed
ALL*
1
2
Calibration
ON*
OFF


Utility Menu
Clear BeltCG
Not Execute*
Execute
Clear Fuser
Not Execute*
Execute
Clear Print Info
Not Execute*
Execute
Setting default
Not Execute*
Execute
Tray2 Margin
-35 to 35
Duplex Margin
-35 to 35
Network Menu
IP Addr
0.0.0.0 * to
255.255.255.254
Subnet Mask
0.0.0.0 * to
255.255.255.254
Gateway Addr
0.0.0.0 * to
255.255.255.254
IP Setting
AUTO*
MANUAL
Network Speed
AUTO*
10Mbits/s
100Mbits/s
B

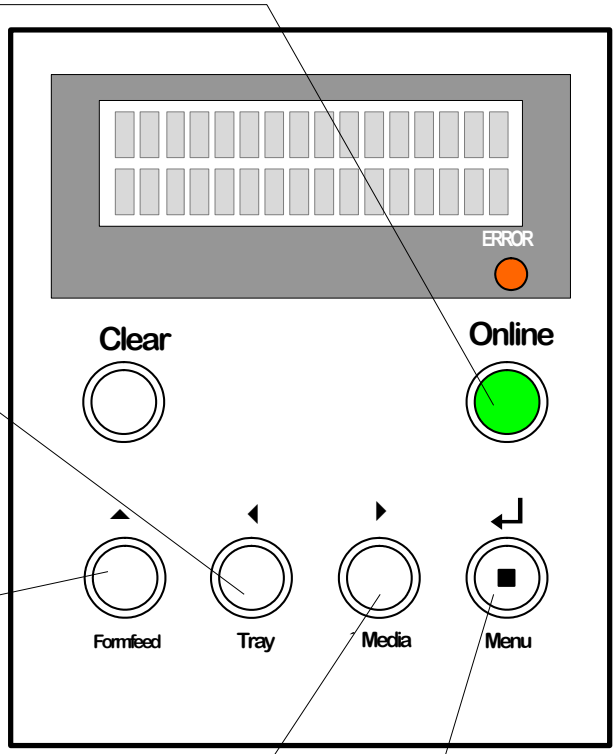

B
Toner Sense Menu
Execute Sensing
Clear Sense Data

4.5 Operating Panel Menus

Of the six control keys on the control panel, MENU/ENTER, ◂ , ▸ and ▴ keys can be used when in the panel menu mode. In addition, ONLINE key is used to offline the printer prior to entering panel menu mode, or forcibly terminate panel menu mode.

Functions of the control keys on the control panel relating to panel menu operation are shown below. Be noted that this illustration only applies to panel menu mode. For explanation of the control panel key in normal mode see Chapter 4.3, "Functions of Control Keys".

ONLINE key
Switches the status of the printer between online and offline. You can operate the panel menu after you place the printer in the offline status by pressing this ONLINE key. If you press this key while using the panel menus, the menu operation will terminate and the printer enters the online status.



◂ key
Displays a preceding option in the same hierarchy. If the display is a numeric value, it is decremented.

▴ key
Displays an option in the next highest hierarchy or, when in the highest hierarchy, exits panel menu mode, placing the printer into the online status. This key can also be used as an alternative method of entering the Network Menu.

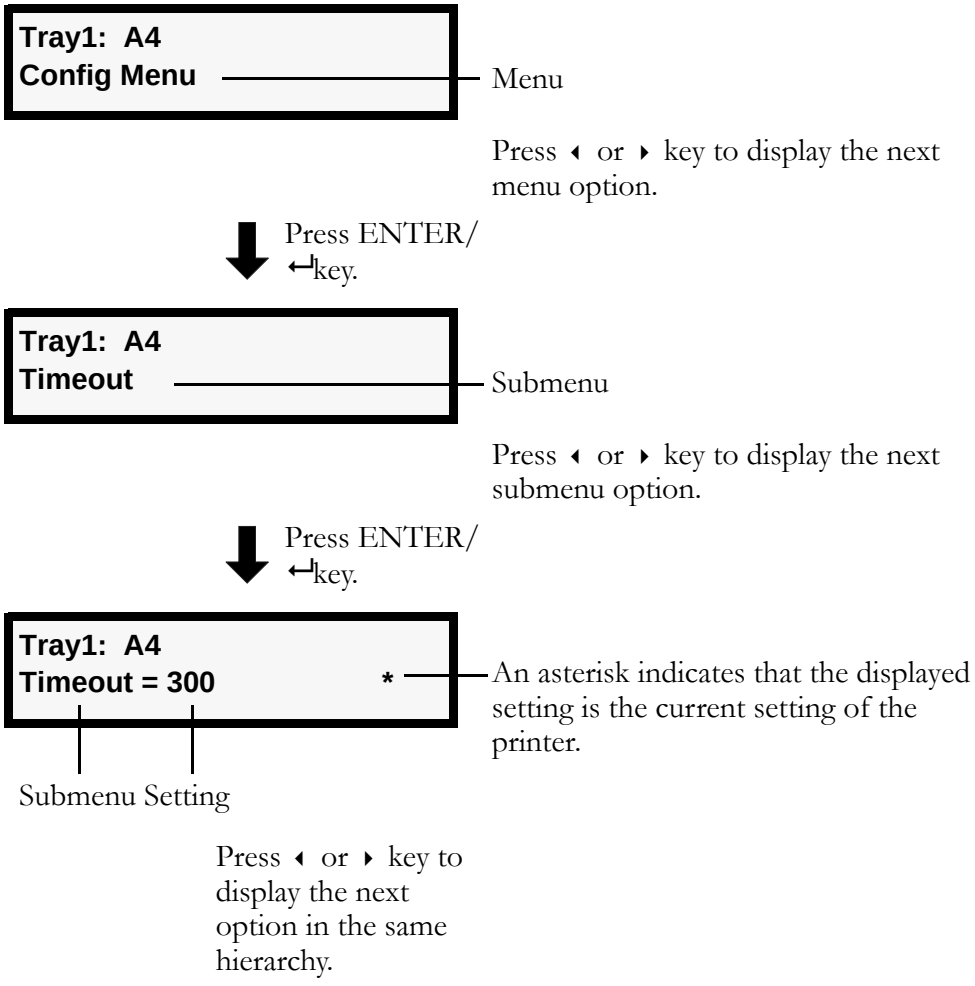
▸ key
Displays a next option in the same hierarchy. If the display is a numeric value, it is incremented.

MENU key
Used to enter TEST, CONFIG menus and can be used to enter UTILITY, NETWORK and TONER SENSING menus.

ENTER key
Displays an option in the next lower hierarchy or, in the lowest hierarchy, stores the displayed option as the new setting of the printer.

Display Format in Panel Menu Mode

The menu display appears in the second line of the LCD as shown below.



4.6 Test Menu

4.6.1 Starting Test Menu

You can start Test Menu operation as shown below.

1. Ensure that "Ready" is displayed on the LCD.

2. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.

3. Press TRAY key to select the input tray for printing with Test Menu.

4. Press MENU key, and Test Menu is activated.

4.6.2 Test Page Print (TestPrint Submenu)

This submenu prints the test pattern (Test Page) on the printer under the following conditions:

- Input tray: The input tray displayed in the upper line of the LCD is used. However, if the test media type setting has been set to transparency, Tray 1 will be selected.
- Media size: The Test Page fits an A4 paper size. The printers attempts to scale the print to the selected page size. However if the selected page size is much smaller than A4 parts of the page may not print. Also, if a custom page size is used the image will be based on the "PaperDispl" menu setting.
- Media type and print mode (simplex or duplex) are determined by the Test-Mode submenu setting.

Shown below is the procedure for printing the Test Page when Test Menu has been selected. A sample printout follows the procedure.

1. Ensure that Test Menu has been activated (see Chapter 4.6.1, "Starting Test Menu").

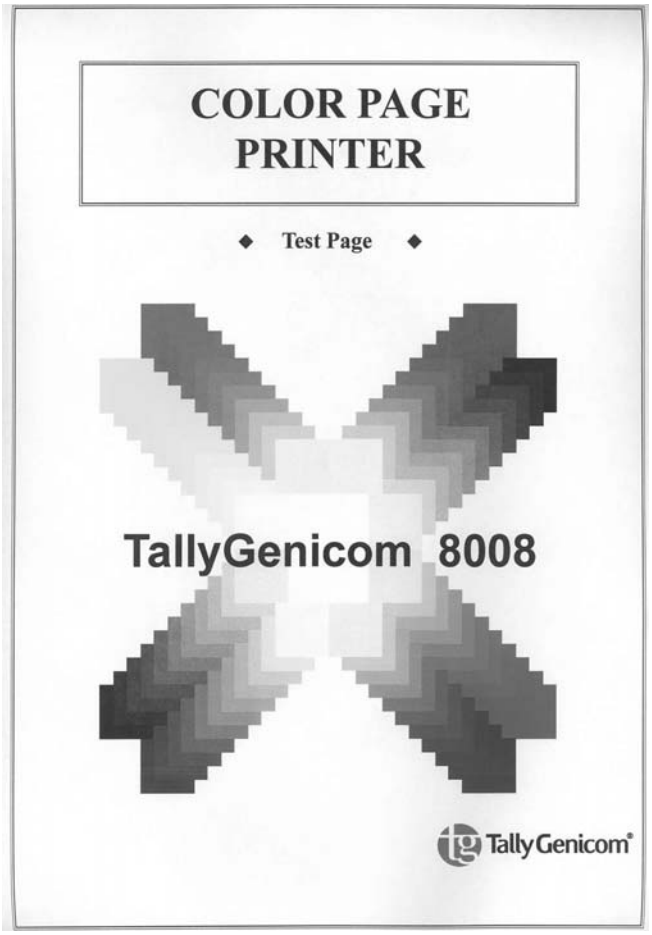
2. Press ENTER key. Test Print sub-menu appears.

Tray1: A4 TestPrint

3. Press ENTER key to start printing. The display begins to blink when printing starts. When printing terminates, the printer enters offline mode.

Tray1: A4 Not Ready

Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.



4.6.3 Config Page Print (ConfigPage Submenu)

This submenu prints the printer's configuration information (Config Page) as shown on the next page, under the following conditions:

- Input tray: The input tray displayed in the upper line of the LCD is used. However, if the media type setting is transparency, Tray 1 will be selected.
- Media size: The Config Page fits A4 or Letter size. If the input tray contains media in a different size, printing is halted. In such a case, you can continue printing after you replace the media in that tray with either A4 or Letter size.
- Media type: This setting is determined by the Test Mode submenu.

Shown below is the procedure for printing the Config Page when Test Menu has been selected. A sample printout follows the procedure.

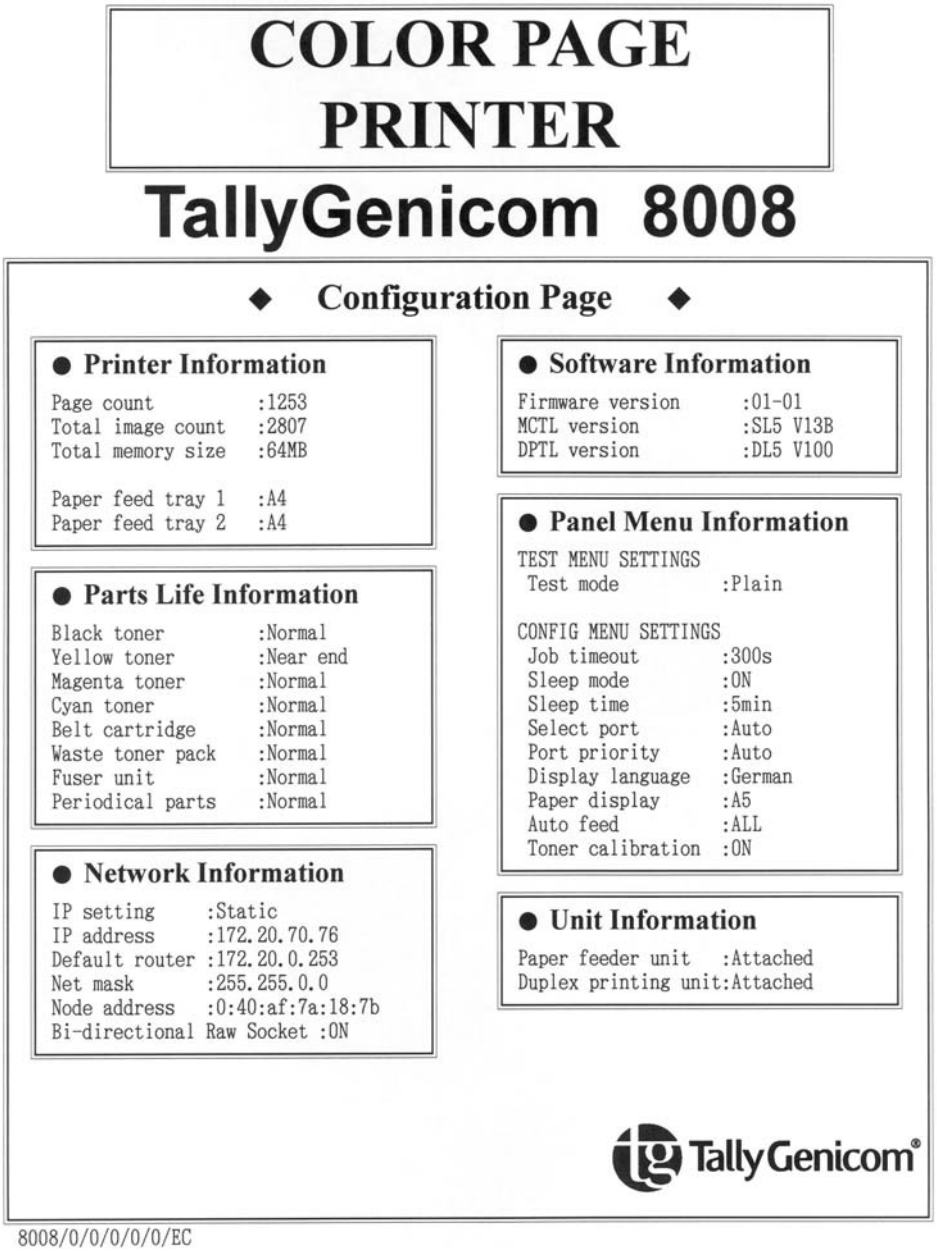
1. Ensure that Test Menu has been activated (Page 4-20).

2. Press ENTER key. Test Print submenu appears.

3. Press ◂ or ▸ key the required number of times to select Config Page submenu.

4. Press ENTER key to start printing. The display begins to blink when printing starts. When printing terminates, the printer enters offline mode.

5. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.



COLOR PAGE PRINTER

TallyGenicom 8008

◆ Configuration Page ◆

● Printer Information

Page count	:1253
Total image count	:2807
Total memory size	:64MB
Paper feed tray 1	:A4
Paper feed tray 2	:A4

● Parts Life Information

Black toner	:Normal
Yellow toner	:Near end
Magenta toner	:Normal
Cyan toner	:Normal
Belt cartridge	:Normal
Waste toner pack	:Normal
Fuser unit	:Normal
Periodical parts	:Normal

● Network Information

IP setting	:Static
IP address	:172.20.70.76
Default router	:172.20.0.253
Net mask	:255.255.0.0
Node address	:0:40:af:7a:18:7b
Bi-directional Raw Socket	:ON

● Software Information

Firmware version	:01-01
MCTL version	:SL5 V13B
DPTL version	:DL5 V100

● Panel Menu Information

TEST MENU SETTINGS	
Test mode	:Plain
CONFIG MENU SETTINGS	
Job timeout	:300s
Sleep mode	:ON
Sleep time	:5min
Select port	:Auto
Port priority	:Auto
Display language	:German
Paper display	:A5
Auto feed	:ALL
Toner calibration	:ON

● Unit Information

Paper feeder unit	:Attached
Duplex printing unit	:Attached

TallyGenicom®

8008/0/0/0/0/0/EC

4.6.4 Net config Page Print (Net configPage Submenu)

This submenu prints the printer's network configuration information (Net config Page) as shown below, under the following conditions:

- Input tray: The input tray displayed in the upper line of the LCD takes precedence. If the media type setting is transparency, Tray 1 will be selected.
- Media size: The Net Config Page fits A4 or Letter size. If the input tray contains media in a different size, printing is halted. In such a case, you can continue printing after you replace the media in that tray with A4 or Letter size.
- Media type: This setting is determined by Test Mode submenu.

1. Ensure that Test Menu has been activated (see Chapter 4.6.1, "Starting Test Menu").

   Tray1: A4
   Test Menu

2. Press ENTER key. Test Print submenu appears.

   Tray1: A4
   TestPrint

3. Press ◂ or ▸ key the required number of times to select Net config Page submenu.

   Tray1: A4
   NetConfigPage

4. Press ENTER key to start printing. The display begins to blink when printing starts. When printing terminates, the printer enters offline mode.

   Tray1: A4
   NetConfigPage

   Tray1: A4
   Not Ready

5. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

< Network config page >

Printer Uptime	:0d 3h 7m 45s
Node address	:0:40:af:7a:18:7b
Network speed	:Auto
TCP/IP	:enabled
IPP	:enabled
LPD	:enabled
Port 9100	:enabled
Selectable Port	:Port 9900: enabled
SNMP	:enabled
SMTP	:disabled
FTP	:enabled
Telnet	:enabled
AppleTalk	:enabled

--- TCP/IP ---	
IP Address	:172.20.70.76
Subnet Mask	:255.255.0.0
Default Gateway	:172.20.0.253
IP Address Mode	:Static
DNS	:disabled
DNS Server Address1	:0.0.0.0
DNS Server Address2	:0.0.0.0
DDNS	:enabled
Host Name	:8080_SB
Domain Name	:
WINS	:disabled
WINS Name	:TA7A187B
WINS Server Address1	:0.0.0.0
WINS Server Address2	:0.0.0.0
SLP Scope List	:default
LPD	:enabled
Raw Socket1	:Port 9100: enabled
Raw Socket2	:Port 9900: enabled
Bi-directional	:enabled
FTP	:enabled

--- Apple Talk ---	
AppleTalk Enable	:enabled
AppleDesiredZone	:*
AppleDeviceName	:TA7A187B
AppleDeviceType	:TallyGenicom_BS3

--- SNMP ---	
SNMP Enable	:enabled
JetAdmin Compatible	:enabled
Read Community	:public
Trap Address	:0.0.0.0
Trap Community	:public
System Location	:
System Contact	:
System Name	:
Authentication Trap	:disabled
Printer Trap	:disabled
Printer Job Trap	:disabled

--- IPP ---	
IPP Enable	:enabled
Port 80	:enabled
Printer Name	:8008
Printer Location	:
Printer Information	:
More Printer Inf	:
Printer Driver Inst.	:
Printer Make / Model	:
PR Inf Manufacture	:
Message from Operator:	

--- Email ---	
Email Enable	:disabled
SMTP Server	:0.0.0.0
Email Address 1	:
Notification Level 1	:Service Call
Email Address 2	:
Notification Level 2	:Service Call
Email Address 3	:
Notification Level 3	:Service Call
Email Address 4	:
Notification Level 4	:Service Call
Email Address 5	:
Notification Level 5	:Service Call

4.6.5 Status Page Print (Status Page Submenu)

This submenu prints the printer's status information (status Page) as shown on next page, under the following conditions:

- Input tray: The input tray displayed in the upper line of the LCD takes precedence. If the media type setting is transparency, Tray 1 will be selected.
- Media size: The Status Page fits A4 or Letter size. If the input tray contains media in a different size, printing is halted. In such a case, you can continue printing after you replace the media in that tray with those in A4 or Letter size.
- Media type: This setting is determined by Test Mode submenu.

1. Ensure that Test Menu has been activated (see Chapter 4.6.1, "Starting Test Menu").

2. Press ENTER key. Test Print submenu appears.

3. Press ◂ or ▸ key the required number of times to select Status Page submenu.

4. Press ENTER key to start printing. The display begins to blink when printing starts. When printing terminates, the printer enters offline mode.

5. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

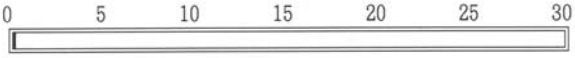
COLOR PAGE PRINTER

TallyGenicom 8008

◆ Status Page ◆

● Total Image Information

0 5 10 15 20 25 30 (x10000 images)



● Parts Life Information

	0	100(%)		0	100(%)
Black toner	E	F	Fuser unit	E	F
Yellow toner	E	F	Transfer belt	E	F
Magenta toner	E	F	120K pages kit	E	F
Cyan toner	E	F	Pick up roller1	E	F
Belt cartridge	E	F	Pick up roller2	E	F
Waste toner pack	E	F			

F:Full
E:Empty

● Printing Information

Paper size	Duplex		Simplex	
	Color	Monochrome	Color	Monochrome
Legal	0	0	0	0
A4 Letter	238	0	55	3
B5 Executive	0	0	0	0
Other	0	0	0	0

● Calibration Information

Latest Calibration : -

TallyGenicom®

4.6.6 Printer Setup for Test Print (TestMode Submenu)

This submenu specifies the media type and print mode for printing TestPage, Config Page, Net config Page and status Page. The options selectable for the printer's setting are shown below. Following this table is the procedure for setting up the printing conditions for Test Page, Config Page, Net config Page and status Page when Test Menu has been activated.

If you specify a setting option other than TRANS, the specified media type applies to printing regardless of the actual type of media in the selected input tray. Be sure to select an applicable setting option in this submenu.

Option	Description
PLAIN*	Specifies simplex print on plain paper (75g/m^2 to 89g/m^2).
TRANS	Specifies simplex print on OHP film (transparency). Printing with this option stops until the media in tray 1 is replaced with an OHP film (transparency).
LABEL	Specifies simplex print on label.
THIN	Specifies simplex print on plain paper (60g/m^2 to 74g/m^2).
MTHICK	Specifies simplex print on thick paper (90g/m^2 to 104g/m^2).
THICK1	Specifies simplex print on thick paper (105g/m^2 to 163g/m^2).
THICK2	Specifies simplex print on thick paper (164g/m^2 to 210g/m^2).
ENV1	Specifies simplex print on envelope.
ENV2	Specifies simplex print on envelope.
DUPLEX	Specifies duplex print on plain paper. This option takes effect only when the Duplex Unit option is installed and Test Page is to be printed.

It is easiest to set up a paper test based on the thickness of paper. However, with some types of paper it may be found necessary to alter the settings, which were set based on the paper's weight, to give a good printout. If this is seen then you may need to purchase another paper for reliable operation.

1. Ensure that Test Menu has been activated (see Chapter 4.6.1, "Starting Test Menu").

2. Press ENTER key. Test Print submenu appears.

3. Press ◂ or ▸ key the required number of times to select TestMode submenu.

4. Press ENTER key, and the current setting appears with an asterisk.

5. Press ◂ or ▸ key until the target setting option appears.

6. Press ENTER key to save the selected option as the new setting for the printer, suffixed with an asterisk.

7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.7 Config Menu

4.7.1 Starting Config Menu Operation

1. Ensure that "Ready" is displayed on the LCD.

2. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.

3. Press MENU key, and Test Menu is activated.

4. Press ◂ or ▸ key to select Config Menu.

4.7.2 Timeout Condition (Timeout Submenu)

This submenu specifies the printer's action when the printer's reception of print data is suspended and data still needs to be sent to complete the job. The options for this submenu selectable for the printer's setting are shown below. Following this table is the procedure for setting the timeout condition when Config Menu has been selected.

Option	Description
5 to 999 (300*)	Specifies the amount of time in seconds to wait before timing out after the printer's reception of print data has stopped. When the specified time has passed since the suspended reception of print data, the printer forcibly outputs the partially received data to receive new print data. The result may be a printout with partial loss of data, an incorrect printout, or no printout.
OFF	Specifies no timeout. The printer waits for the remaining print data.

1. Ensure that Config Menu has been selected.

2. Press ENTER key. Timeout sub-menu appears.

3. Press ENTER key, and the current setting appears with an asterisk.

4. Press ◂ or ▸ key proper times, or hold down the key, until the target setting option appears.

5. Press ENTER key to save the selected option as the new setting for the printer, suffixed with an asterisk.

6. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.7.3 Sleep Mode (Sleep Mode Submenu)

This submenu specifies the printer's action to use or not use the sleep mode (minimum power consumption mode).

Option	Description
ON*	The printer enters sleep mode in order to save power consumption. This will occur when the time specified in the Sleep time sub menu has passed since the printer has received the last print job.
OFF	The printer will not enter sleep mode to save the power consumption. Note:This setting may effect fuser life

1. Ensure that Config Menu has been selected (see Chapter 4.7.1, "Starting Config Menu Operation").

2. Press ENTER key. Timeout submenu appears.

3. Press ◂ or ▸ key the required number of times to select SleepMode submenu.

4. Press ENTER key, and the current setting appears with an asterisk.

5. Press ◂ or ▸ key to select the target setting option.

6. Press ENTER key to save the selected option as the new setting for the printer, suffixed with an asterisk.

7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.7.4 Sleep Time (SleepTime Submenu)

This submenu specifies the amount of time in minutes before the printer will enter sleep mode (minimum power consumption mode).

Option	Description
30M*, 60M, 120M, 240M, 5M, and 15M	When the specified time has passed since the printer's received the last print job, the printer enters sleep mode.

*: default

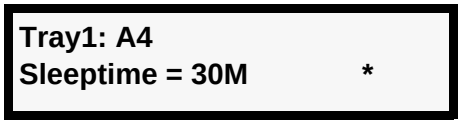
The sleep mode counter resets when any key on the control panel is pressed or the MESSAGE lamp is lit. The printer enters sleep mode when the specified time has passed after the key operation is finished or the MESSAGE lamp is turned off. The printer exits sleep mode when a print job is received or any key on the control panel is pressed.

1. (a) Ensure that Config Menu has been selected (see Chapter 4.7.1, "Starting Config Menu Operation").

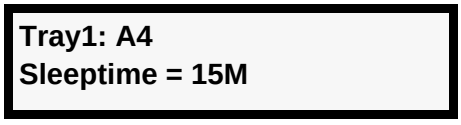
2. Press ENTER key. Timeout submenu appears.

3. Press ◂ or ▸ key the required number of times to select SleepTime submenu.

4. Press ENTER key, and the current setting appears with an asterisk.



5. Press ◂ or ▸ key proper times, or hold down the key, until the target setting option appears.



6. Press ENTER key to save the selected option as the new setting for the printer, suffixed with an asterisk.

7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.7.5 Port Selection Mode (Port Submenu)

This submenu specifies the interface port to be used. Following the table is the procedure for selecting the interface port when Config Menu has been selected.

Option	Description
AUTO*	Specifies both the LAN port and the USB port. Either port is selected automatically according to the setting of priority submenu.
NET	Specifies the LAN port. This setting option prohibits the printer from receiving print data through the USB port.
USB	Specifies the USB port. This setting option prohibits the printer from receiving print data through the LAN port.

*: default

1. Ensure that Config Menu has been selected (see Chapter 4.7.1, "Starting Config Menu Operation").

2. Press ENTER key. Timeout submenu appears.

3. Press ◂ or ▸ key the required number of times to select Port submenu.

4. Press ENTER key, and the current setting appears with an asterisk.

5. Press ◂ or ▸ key proper times until the target setting option appears.

6. Press ENTER key to save the selected option as the new setting for the printer, suffixed with an asterisk.

7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.7.6 Auto Mode Port Selection Priority (Priority Submenu)

This submenu specifies priority between the LAN interface port and the USB interface port when both of them are enabledby the auto setting within the Port Submenu. The options for this submenu are shown below. Following this table is the procedure for setting such priority between the two ports when Config Menu has been selected.

Option	Description
AUTO *	Specifies automatic priority. The printer alternately uses the LAN port and the parallel port for receiving print data.
NET	Specifies priority on the LAN port. The printer prioritizes the LAN port for receiving print data, sometimes causing no output of print data via the USB port.
USB	The printer prioritizes the USB port for receiving print data, sometimes causing no output of print data via the LAN port.

*: default

1. Ensure that Config Menu has been selected (see Chapter 4.7.1, "Starting Config Menu Operation").

2. Press ENTER key. Timeout submenu appears.

3. Press ◂ or ▸ key the required number of times to select Priority submenu.

4. Press ENTER key, and the current setting appears with an asterisk.

5. Press ◂ or ▸ key proper times until the target setting option appears.

6. Press ENTER key to save the selected option as the new setting for the printer, suffixed with an asterisk.

7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.7.7 Display Language (Display Submenu)

This submenu specifies the language to be displayed on the control panel.

Option	Description
JAPANESE	Specifies display in Japanese.
ENGLISH*	Specifies display in English.
GERMAN	Specifies display in German.
FRENCH	Specifies display in French.
SPANISH	Specifies display in Spanish.
ITALIAN	Specifies display in Italian.

*: default

1. Ensure that Config Menu has been selected (see Chapter 4.7.1, "Starting Config Menu Operation").

2. Press ENTER key. Timeout submenu appears.

3. Press ◂ or ▸ key the required number of times to select Display submenu.

4. Press ENTER key, and the current setting appears with an asterisk.

5. Press ◂ or ▸ key to select the target setting option.

6. Press ENTER key to save the selected option as the new setting for the printer, suffixed with an asterisk.

7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.7.8 Paper Display (Paper Display Submenu)

This submenu specifies the paper size to be displayed on the control panel when the selected tray detect small size paper.

Option	Description
DL*	Specifies display DL.
A5	Specifies display A5.
HLT	Specifies display HLT.
#10	Specifies display #10.

*: default

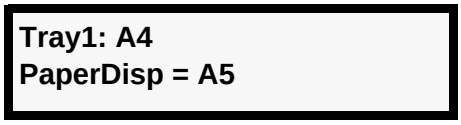
1. Ensure that Config Menu has been selected (see Chapter 4.7.1, "Starting Config Menu Operation").

2. Press ENTER key. Timeout submenu appears.

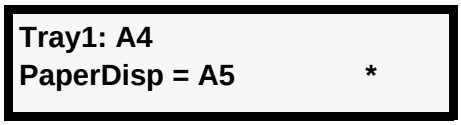
3. Press ◂ or ▸ key the required number of times to select Paper Disp submenu.

4. Press ENTER key, and the current setting appears with an asterisk.

5. Press ◂ or ▸ key to select the target setting option.



6. Press ENTER key to save the selected option as the new setting for the printer, suffixed with an asterisk.



7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.7.9 Auto Feed (Auto Feed Submenu)

This submenu specifies the paper tray to print when paper tray selection of a printer driver is automatic.

Option	Description
ALL*	Specifies automatic priority.
1	Specifies tray 1.
2	Specifies tray 2.

*: default

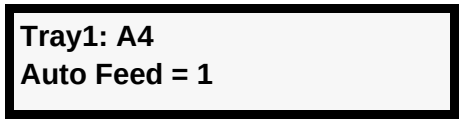
1. Ensure that Config Menu has been selected (see Chapter 4.7.1, "Starting Config Menu Operation").

2. Press ENTER key. Timeout submenu appears.

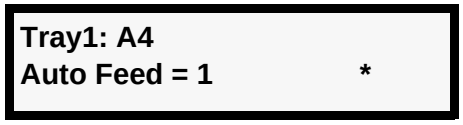
3. Press ◂ or ▸ key the required number of times to select Auto Feed submenu.

4. Press ENTER key, and the current setting appears with an asterisk.

5. Press ◂ or ▸ key proper times until the target setting option appears.



6. Press ENTER key to save the selected option as the new setting for the printer, suffixed with an asterisk.



7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.7.10 Calibration (Calibration Submenu)

This submenu specifies the toner calibration. The options for this submenu selectable for the printer's setting are shown below.

Option	Description
ON*	Specifies that the printer uses calibration.
OFF	Specifies that the printer does not use calibration.

*: default

1. Ensure that Config Menu has been selected (see Chapter 4.7.1, "Starting Config Menu Operation").

2. Press ENTER key. Timeout submenu appears.

3. Press ◂ or ▸ key the required number of times to select Calibration submenu.

4. Press ENTER key, and the current setting appears with an asterisk.

5. Press ◂ or ▸ key proper times until the target setting option appears.

6. Press ENTER key to save the selected option as the new setting for the printer, suffixed with an asterisk.

7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.8 Utility Menu

4.8.1 Starting Utility Menu Operation

1. Ensure that "Ready" is displayed on the LCD.

2. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.

3. Press and hold the MENU key until Utility menu replaces Test menu in the display. Release the MENU key.

4.8.2 Clear Belt CG counter (Clear Belt CG Submenu)

This submenu clears the printer's counter of the Belt CG life.

1. Ensure that Utility Menu has been selected (Page 4-40).

2. Press ENTER key. Clear Belt CG submenu appears.

3. Press ENTER key, and the Not Execute appears.

4. Press ◂ or ▸ key proper times until the Execute option appears.

5. Press ENTER key to execute the clear Belt CG, display Completed.

6. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.8.3 Clear Fuser counter (Clear Fuser Submenu)

This submenu clears the printer's counter of the Fuser life.

1. Ensure that Utility Menu has been selected (Page 4-40).

2. Press ENTER key. Clear Belt CG submenu appears.

3. Press ◂ or ▸ key the required number of times to select Clear Fuser submenu.

4. Press ENTER key, and the Not Execute appears.

5. Press ◂ or ▸ key proper times until the Execute option appears.

6. Press ENTER key to execute the clear Fuser, display Completed.

7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.8.4 Clear Print counter (Clear Print Info Submenu)

This submenu clears the printing information section of the status page.

1. Ensure that Utility Menu has been selected (Page 4-40).

2. Press ENTER key. Clear Belt CG submenu appears.

3. Press ◂ or ▸ key the required number of times to select Clear Print Info submenu.

4. Press ENTER key, and the Not Execute appears.

5. Press ◂ or ▸ key proper times until the Execute option appears.

6. Press ENTER key to execute the clear Print Info, display Completed.

7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.8.5 Reset to the factory-set defaults (Setting Default Submenu)

This submenu reset the settings of panel menus to the factory-set defaults.

1. Ensure that Utility Menu has been selected (Page 4-40).

2. Press ENTER key. Clear Belt CG submenu appears.

3. Press ◂ or ▸ key the required number of times to select Setting Default submenu.

4. Press ENTER key, and the Not Execute appears.

5. Press ◂ or ▸ key proper times until the Execute option appears.

6. Press ENTER key to reset the settings, display Completed.

7. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.8.6 Tray 2 Margin (Tray 2 Margin Submenu)

This submenu specifies the adjustment value of the tray 2 paper feeder.

1. Ensure that Utility Menu has been selected (Page 4-40).

2. Press ENTER key. Clear Belt CG submenu appears.

3. Press ◂ or ▸ key the required number of times to select Tray 2 Margin submenu.

4. Press ENTER key, and the current setting appears.

5. Press ◂ or ▸ key proper times until the target setting option appears.

6. Press ENTER key to specify the selected option as the new setting for the printer, the display shows the old and new.

7. Press ENTER key to save the selected option as the new setting for the printer.

8. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.8.7 Duplex Margin (Duplex Margin Submenu)

This submenu specifies the adjustment value of the duplex.

1. Ensure that Utility Menu has been selected (Page 4-40).

2. Press ENTER key. Clear Belt CG submenu appears.

3. Press ◂ or ▸ key the required number of times to select Duplex Margin submenu.

4. Press ENTER key, and the current setting appears.

5. Press ◂ or ▸ key proper times until the target setting option appears.

6. Press ENTER key to specify the selected option as the new setting for the printer, the display shows the old and new settings.

7. Press ENTER key to save the selected option as the new setting for the printer.

8. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

4.9 Network Menu

4.9.1 Network Menu Operation

The printer will use DHCP or BOOTP to request an IP address, Subnet Mask and gateway address by default. If your network does not supply this you can specify these settings address manually on the printer. To do this first you should change the IP Setting from Auto to Manual.

1. Ensure that "Ready" is displayed on the LCD.

2. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.

3. Press and hold the MENU key until Utility menu replaces Test menu in the display. Release the MENU key.

4. Press ◂ or ▸ key to select Network Menu.

5. Press ENTER key. IP Addr sub-menu the current setting appears.

6. Press ◂ or ▸ key to select IP Setting

7. Press ENTER key. The printer is now ready for you to change the setting.

8. Press ◂ or ▸ key until the display says Manual, press the ENTER key

9. To continue setting the IP address Press the ▴ key twice until it says Network Menu then press the Enter Key and it will say IP Addr then follow from step 6 below otherwise.

10. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode. The printer will reset and come back ready after a short while.

Tray1: A4 **Ready**

Procedure for selecting address

1. Ensure that "Ready" is displayed on the LCD.

Tray1: A4 **Ready**

2. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.

Tray1: A4 **Not Ready**

3. Press MENU key. Keep pressing MENU key for three seconds. Utility Menu replaces Test menu.

Tray1: A4 **Utility Menu**

4. Press ◂ or ▸ key to select Network Menu.

Tray1: A4 **Network Menu**

5. Press ENTER key. IP Addr submenu the current setting appears.

IP Addr **0.0.0.0**

6. Press ENTER key. The printer is now ready for your input of the target address.

IP Addr **(0)**

7. Enter the target address (192.168.31.27 in this example).
8. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 192. Then, press the ENTER key.

IP Addr **(192)**

9. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 168. Then, press the ENTER key.

IP Addr **192.(168)**

10. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 031. Then, press the ENTER key.

IP Addr **192.168.(31)**

11. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 027.

12. Press ENTER key to save the entered address as the new setting for the printer, suffixed with an asterisk.

13. To continue setting the Subnet mask Press the ▲ key twice until it says Network Menu then press the Enter Key and it will say IP Addr press the ◂ or ▸ key until the display says Subnet Address and follow step from step 7. below. Otherwise …

14. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode. The printer will reset and come back ready after a short while.

Procedure for setting SubNet Mask

1. Ensure that "Ready" is displayed on the LCD.

2. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.

3. Press MENU key. Keep pressing MENU key for three seconds. Utility Menu replaces Test menu.

4. Press ◂ or ▸ key to select Network Menu.

5. Press ENTER key. IP Addr submenu the current setting appears.

6. Press ◂ or ▸ key to select Subnet Mask.

7. Press ENTER key. The printer is now ready for your input of the target subnet.

8. Enter the target address (255.255.255.0) in this example).

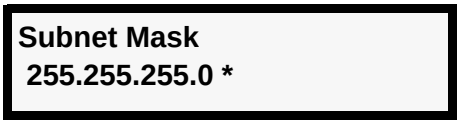
9. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 255. Then, press the ENTER key.

10. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 255. Then, press the ENTER key.

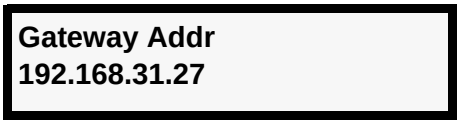
11. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 255. Then, press the ENTER key.

12. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 000.

13. Press ENTER key to save the entered address as the new setting for the printer, suffixed with an asterisk.



14. To continue setting the Gateway Address Press the ▴ key twice until it says Network Menu then press the Enter Key and it will say IP Addr press the ◂ or ▸ key until the display says Gateway address and follow step from step 7. below. Otherwise …



15. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode. The printer will reset and come back ready after a short while.

Procedure for setting IP Gateway

1. Ensure that "Ready" is displayed on the LCD.

2. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.

3. Press MENU key. Keep pressing MENU key for three seconds. Utility Menu replaces Test menu.

4. Press ◂ or ▸ key to select Network Menu.

5. Press ENTER key. IP Addr submenu the current setting appears.

6. Press ◂ or ▸ key to select Gateway

7. Press ENTER key. The printer is now ready for your input of the target address.

8. Enter the target address (192.168.31.1 in this example).

9. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 192. Then, press the ENTER key.

10. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 168. Then, press the ENTER key.

11. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 031. Then, press the ENTER key.

12. Press ◂ or ▸ key proper times, or hold down the key, until the number in parenthesis changes to 1.

13. Press ENTER key to save the entered address as the new setting for the printer, suffixed with an asterisk.

14. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode. The printer will reset and come back ready after a short while.

4.10 Toner Sense Menu

4.10.1 Starting Toner Sense Menu Operation

1. Ensure that "Ready" is displayed on the LCD.

2. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.

3. Press MENU key. Keep pressing MENU key for three seconds. Utility Menu replaces Test menu.

4. Press ◂ or ▸ key to select Toner Sense Menu.

4.10.2 Execute sense (Execute Sensing Submenu)

1. Ensure that Toner Sense Menu has been selected. (see above)

2. Press ENTER key. Execute Sensing submenu appears.

3. Press ◂ or ▸ key the required number of times to select Execute Sensing submenu.

4. Press ENTER key, and the Toner Sensing display begins to blink when sensing starts.

5. The printer enters online mode.

4.10.3 Clear Sense Data (Clear Sense Data Submenu)

1. Ensure that Toner Sense Menu has been selected. (see above)

2. Press ENTER key. Execute Sensing submenu appears.

3. Press ◂ or ▸ key the required number of times to select Clear Sense Data submenu.

4. Press ENTER key to reset the settings, display Completed.

5. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

Chapter 5
Printer Driver

5.1 Windows System Requirements 5-2

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5.1 Windows System Requirements

The 8008 printer driver and utilities can be used in the following system environments. Details are given both for the minimum requirements for each operating system, together with known restrictions and cautions.

	USB port*5	Network port*5
Operating system	Windows Me *1 Windows 2000 Windows XP Windows Server 2003	Windows 95 *2 Windows 98 Windows Me Windows NT 4.0 (Service Pack 5 later) Windows 2000 Windows XP Windows Server 2003
Microprocessor *3	Pentium® (200 MHz) or higher is recommended.	
Memory	128 MB or more is recommended.	
Hard disk space*4	100 MB or more (300 MB or more is recommended.)	
Display	Video Graphics Array (VGA: 640 dots by 480 dots) minimum. 65536 colors or more is recommended.	
USB	Ver 2 (high speed 12mbps)	–

*1 Windows Me upgraded from Windows 95 may have problems.

*2 Support on Windows 95 cannot be guaranteed as Microsoft © no longer support this operating system.

*3 Windows NT, Windows 2000, Windows XP, and Windows Server 2003 printer driver only supports the X86 system CPU.

*4 When printing using the lpr function of Windows NT, Windows 2000, Windows XP, or Windows Server 2003, the complete job is first generated before being spooled. When you carry out extensive printing i.e. large size and number of jobs, please ensure that you have enough resources free on your pc.

*5 This printer only support a direct connection to its 10/100 base T port for ethernet connection. It also only support a direct connection to a computer's USB port, or USB hub. The use of any other type of external devices connected to either port is not supported.

*6 This printer only supports Windows or Mac operating systems. It will not work with any dos applications.

*7 There are no Microsoft Windows XP 64-Bit Edition (IA64) drivers supplied for this printer.

*8 The use of the 8008 Windows drivers cannot be guaranteed on Citrix based servers.

*9 The printer only supports from the supplied version 3.03 print monitor, the lpr and raw TCP/IP ports. It does not support the Netbios/netbeui port. This utility is required only for direct ethernet printing from Windows 9X\ME system.

*10 The 8008 Auto run cd allows the loading of documentation. The installation of drivers from the CD should be performed manually as detailed in this manual.

Note: *When the printer is used over ethernet connection it must have a valid IP address, subnet and gateway assigned.*
If these are not assigned automatically by your system then you must obtain these from your support department.
Once the printer is connected to the network see Chapter 4.6.4, "Net config Page Print (Net configPage Submenu)" for details of how to printout the net config page; see Chapter 4.9.1, "Network Menu Operation" for details of how to manually insert the IP address etc into the printer. The printer must have these settings before adding the operating system's TCP\IP printing ports.

5.2 After Setting up the Printer

Note: *Configure the computer after you have set up the printer.*

When the printer is used as a local printer, install the printer driver onto the computer connected to the printer. If it is used as a network printer it is normal to first install the printer driver to the computer connected to the printer and then share it to other computers. In several places throughout this chapter it is necessary to run the 8008 Auto install CD-ROM. It is recommended that all other applications are closed down before inserting the CD-ROM.

The printer should be powered up and connected to the computer system whenever the printer drivers are being added. This is especially important when the connection used is based on TCP\IP as checks of the printer are done when these printer ports are added

5.2.1 The 8008 Printer Drivers

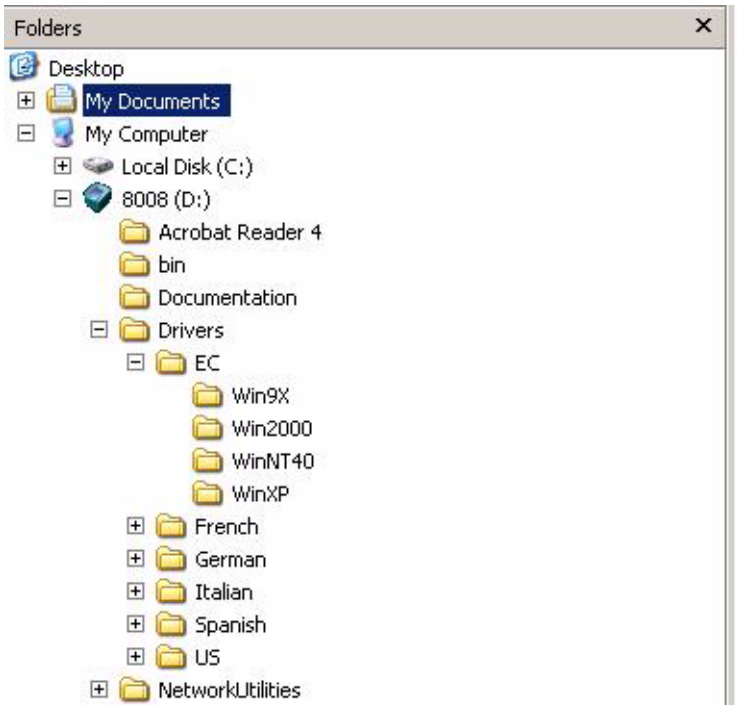
A printer driver is software that converts print data or instructions from the computer to data interpreted by the printer.

The drivers for the following operating systems (OS) are available for the printer:

- Windows 95
- Windows 98
- Windows Millennium Edition
- Windows NT 4.0
- Windows 2000
- Windows XP
- Windows 2003

The printer drivers are stored inside the cd.

To install the printer drivers select ADD printer and point to the correct language and operating system. In the folders below select EC for english speaking countries supporting A4 paper and US for those supporting letter size paper.



Obtaining the latest printer driver

There may be new printer drivers with future upgrades and you can download the latest version of printer driver from the TallyGenicom Home page at *www.tallygenicom.com*.

5.3 Installing Printer drivers and printing from Windows 9X and ME

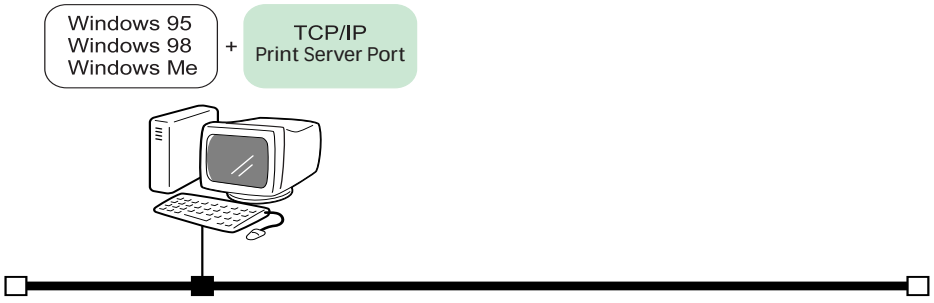
Note: *In order to connect to the 8008 from Windows 9X or Windows ME you have 3 possibilities.*

1. Direct connection using a TCP/IP direct peer to peer connection. For this type of connection we supply a utility on the 8008 CD called Print Server Port.
2. A shared connection from a server which has already a connection to the 8008 and shares both the connection and will normally download the printer drivers to your pc.
3. If using Windows ME, note not Windows 95 or Windows 98, a direct connection using the printer's USB port.

We will deal with these in turn:

The TCP/IP Print server port is software for printing print data sent from a computer directly to a printer on the network, without going through any server.

The TCP/IP Print server port is available on the 8008 CD-Rom.

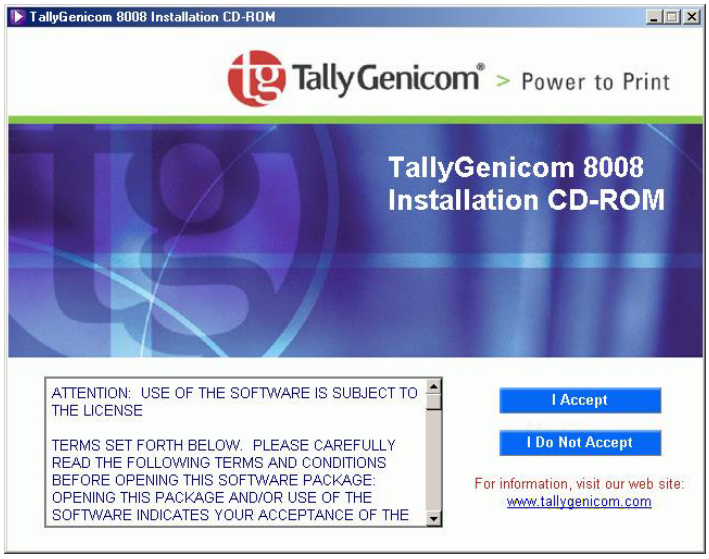


5.3.1 Peer to Peer Print Server connection from Windows 9X\ME

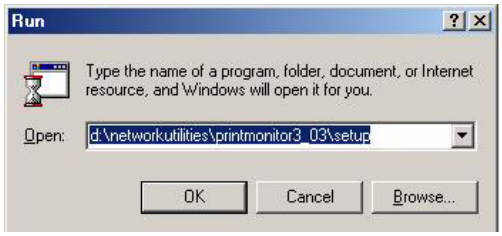
Installation of Peer to Peer Print Server Utility

In order to print direct, not using a print server, over a network from Windows 9x\ME, it is necessary to install a print server utility. This is achieved as follows.

1. Load the cd into the drive.



2. After it loads select **I do not accept** to the opening screen as shown below. This stops the cd from running.

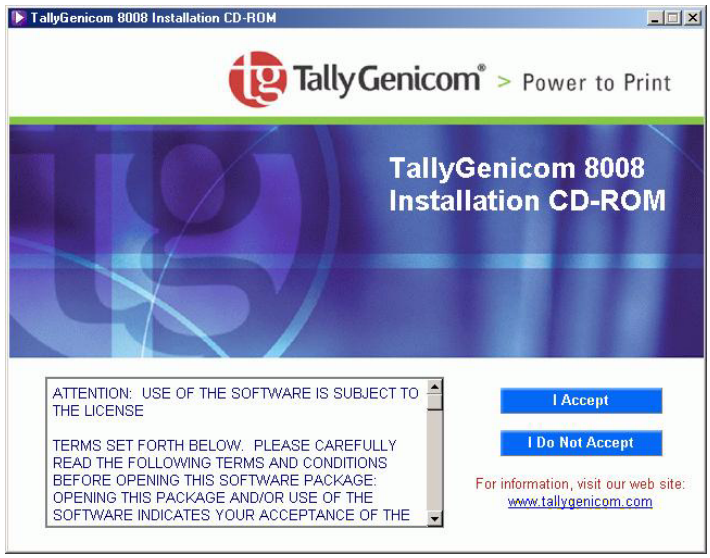


3. Select **Start**, **Run**. Assuming d is your CD driver, otherwise change the letter to your CD drive letter: "D\NetworkUtilities\printmonitor3_03\setup" as shown.
4. Follow the instructions on the screen with selecting **Next** until the installation is complete.

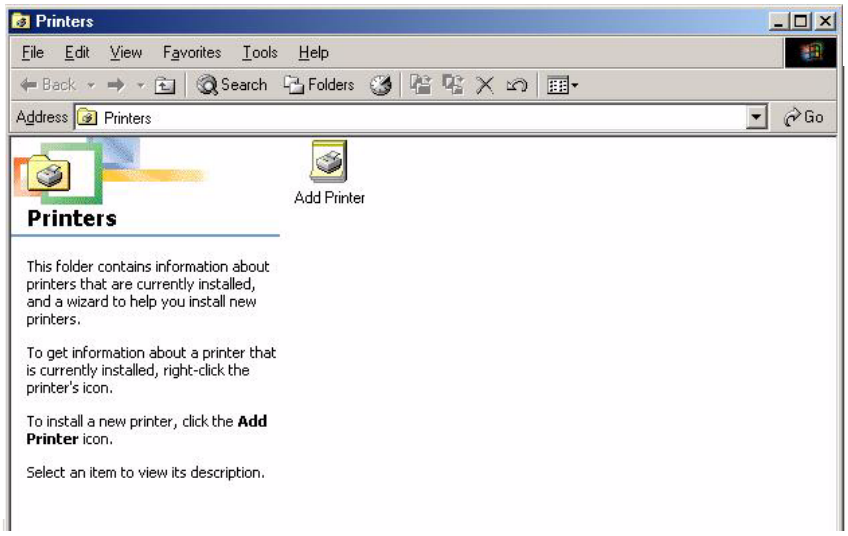
Peer to Peer Print Server Connection

For a printer to be connected using print server port the 8008 driver must first be added on a local port eg lpt1:. Note that a test page will not be sent.

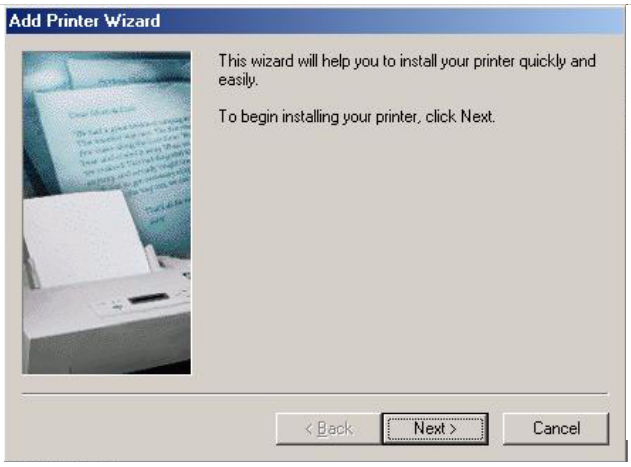
1. Load the cd into the drive.



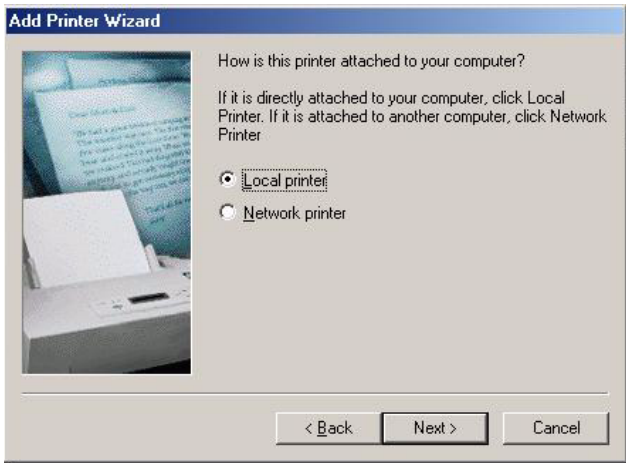
2. After it loads select **I do not accept** to the opening screen as shown below. This stops the cd from running.
3. To install the printer driver: Click **Start**, select **Settings** and then **Printers**.



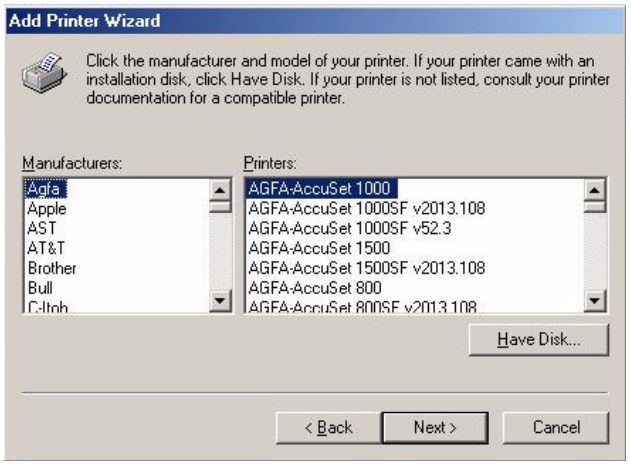
4. Double click **Add printer**.



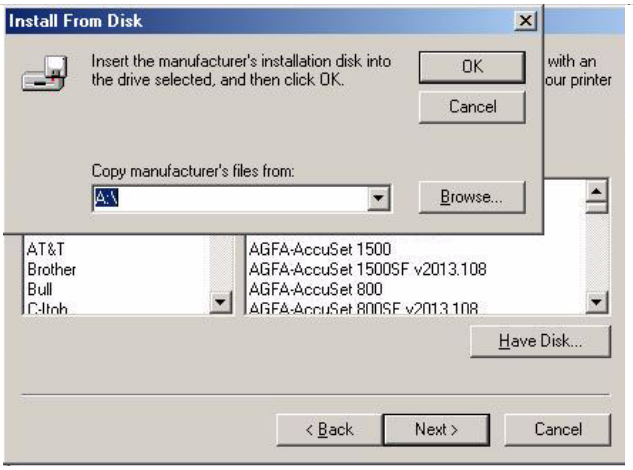
5. Click **Next**.



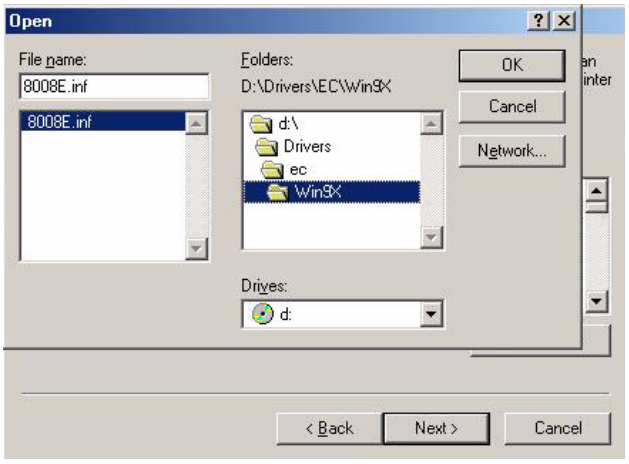
6. Select **local printer** and then select **Next**.



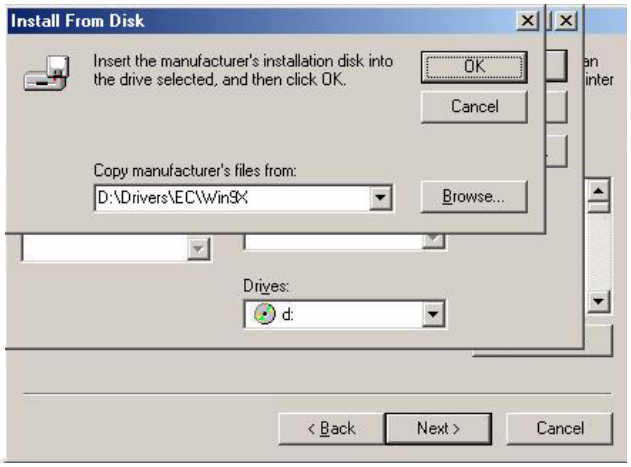
7. Select **Have Disk**.



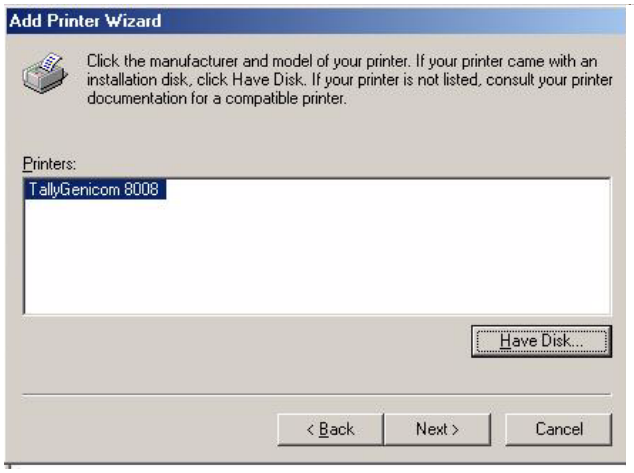
8. Select **Browse**.



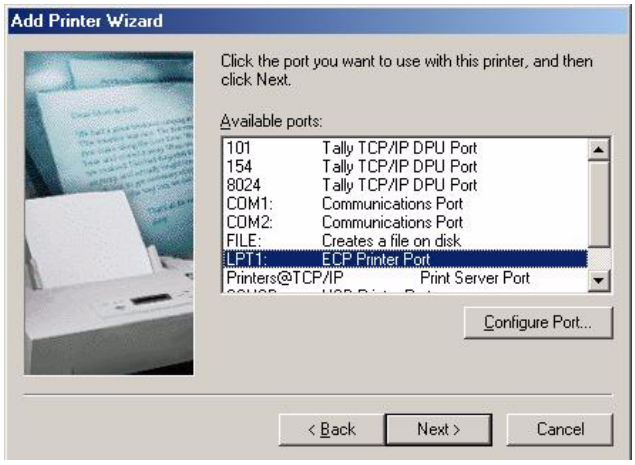
9. Go to your CD rom drive under drives and browse to your correct directory. For English using A4 paper go to "drivers\ec\win9x" directory for English using letter size go to "drivers\US\win9x" directory. Select **inf** file on left of the screen and select **OK**.



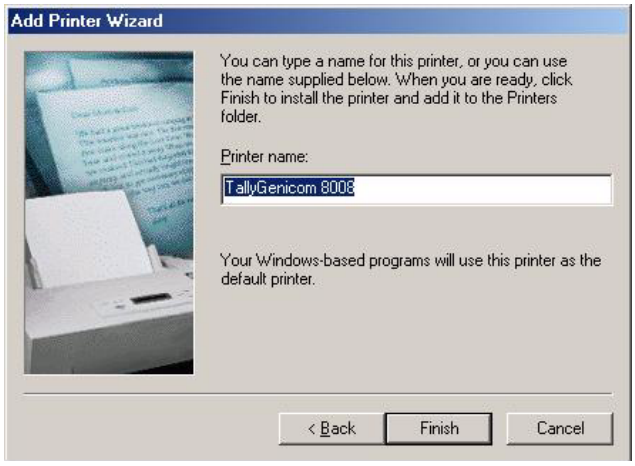
10. If next screen is correct select **OK**.



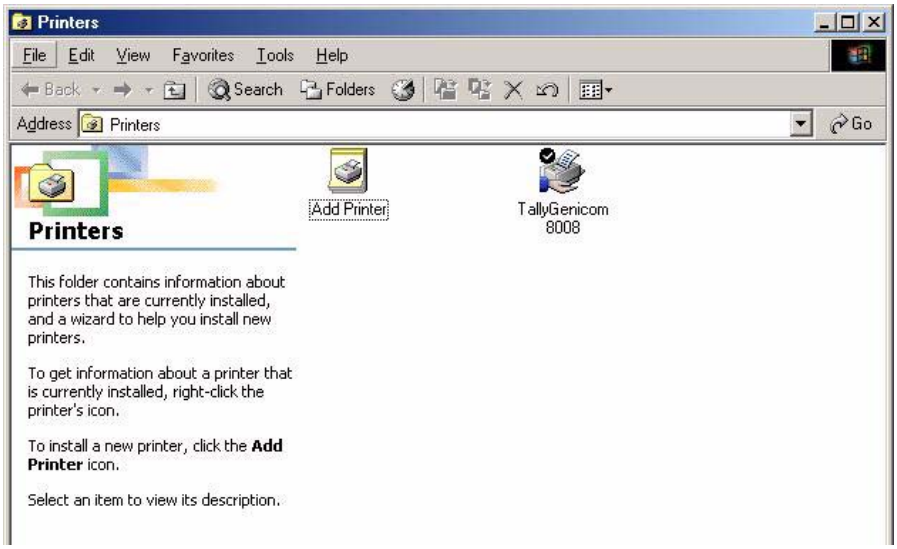
11. Select **Next** on following screen.



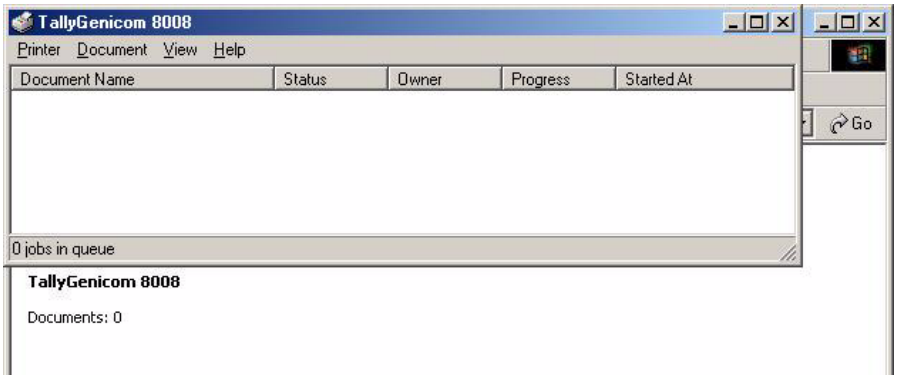
12. Select port as being lpt1 and select **Next**.



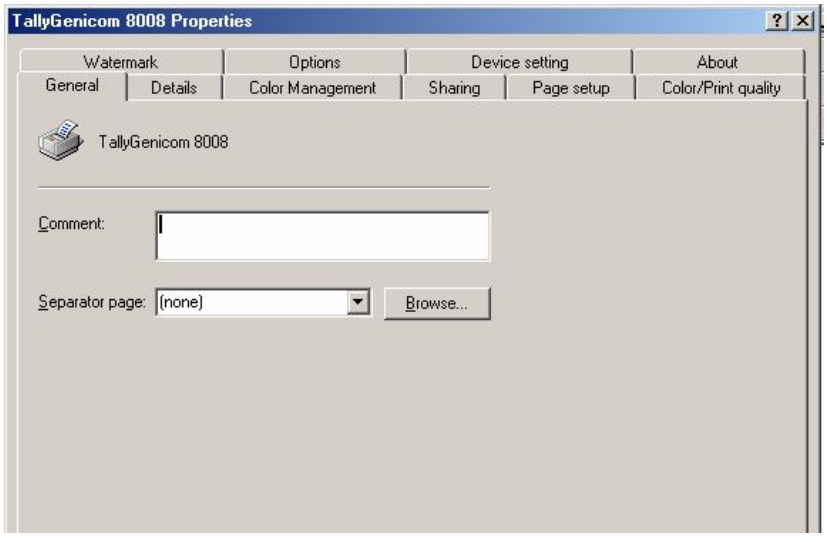
13. Type printer name if you require to change it and select **Finish**.



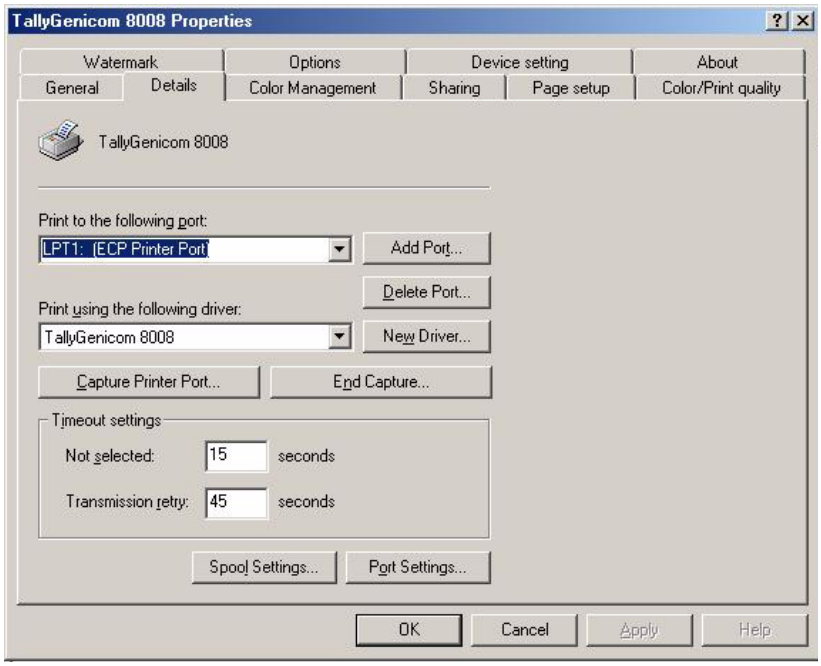
14. The driver will install the required files. When complete the screen will show the printer. Double click the printer



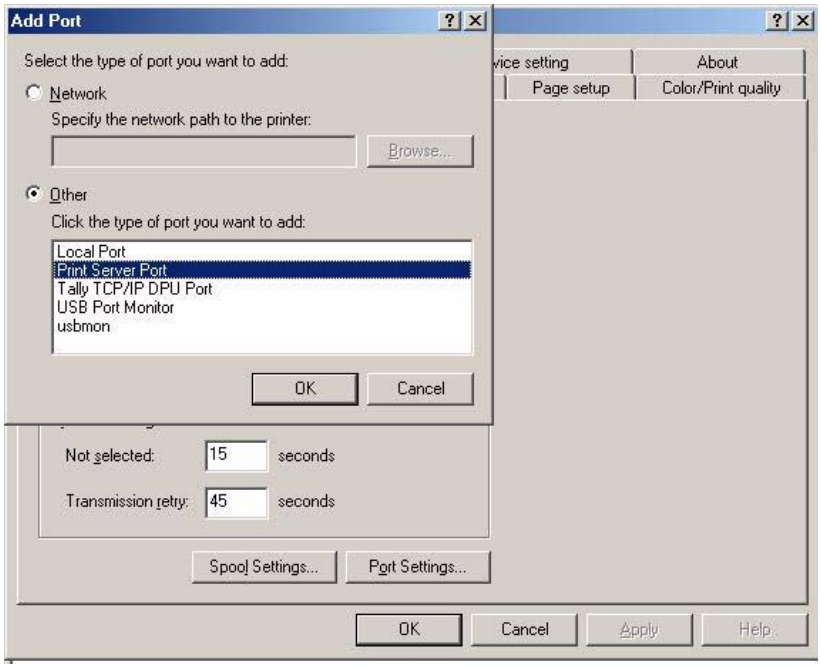
15. Select **Printer properties**.



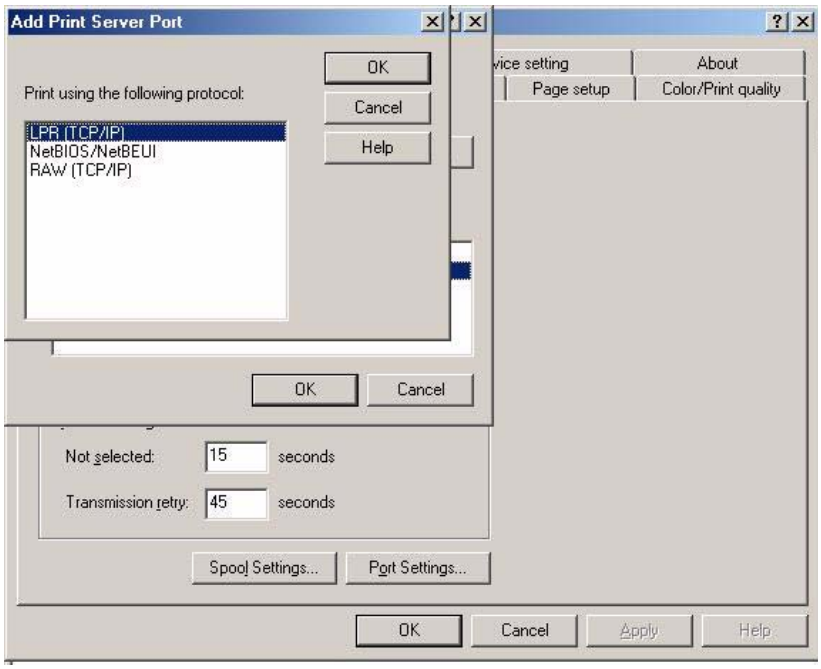
16. Select the **Details** tab.



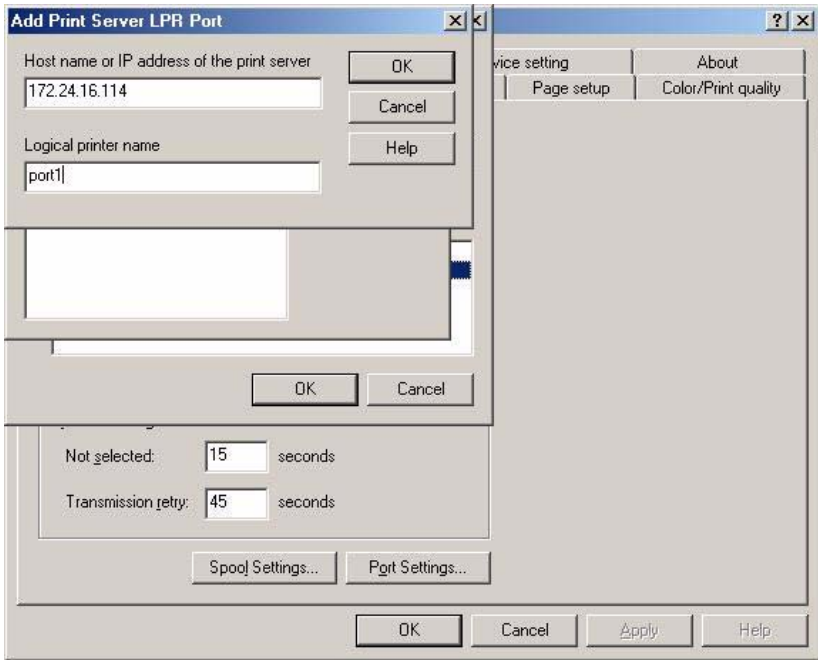
17. Select **Add Port**.



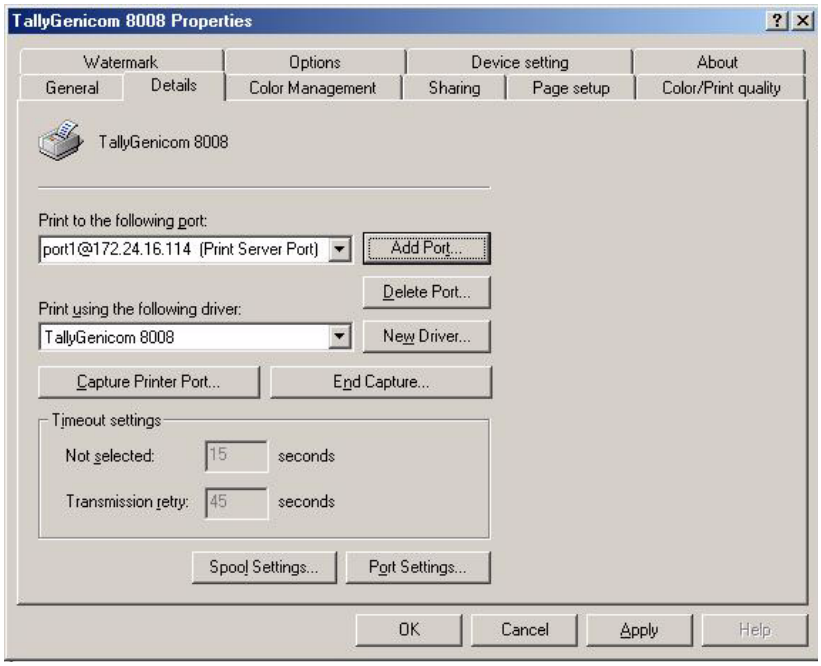
18. Select **Other** button and select "print server port" from the "Click the type of port you want to add".



19. Select **LPR (TCP/IP)**.



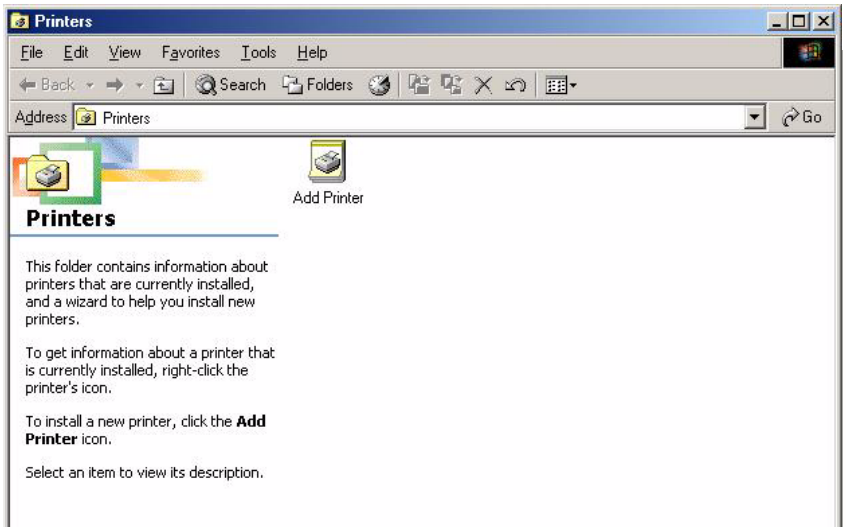
20. Make sure the printer is powered on and connected to the network.Type in the IP address assigned previously to the printer into the "Host name or IP address of the print sever". Type "port1" into the "Logical printer name " box. Then select the **OK** box.



After a short delay the port will be reported as being that you selected above.

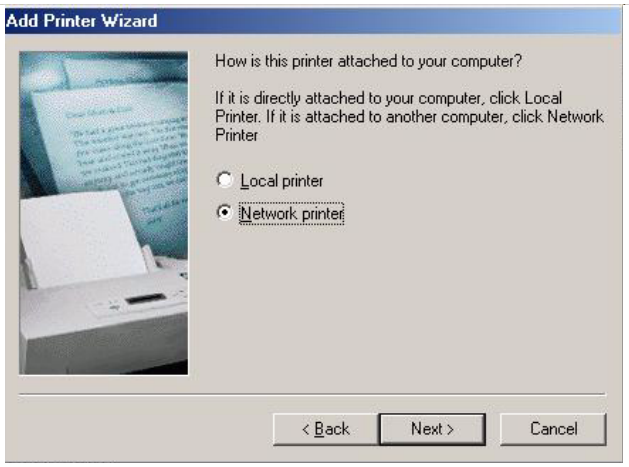
5.3.2 Connection from Windows 9X\ME to a printer shared from a server

1. To install the printer driver: Click **Start**, select **Settings** and then **Printers**.

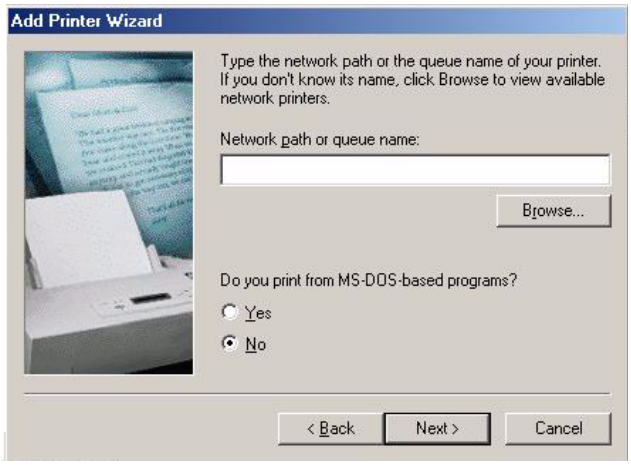


2. Double click **Add printer**.

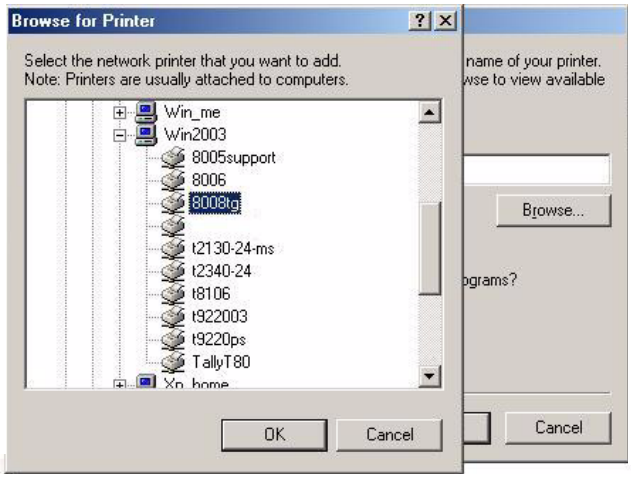
3. Click **Next**.



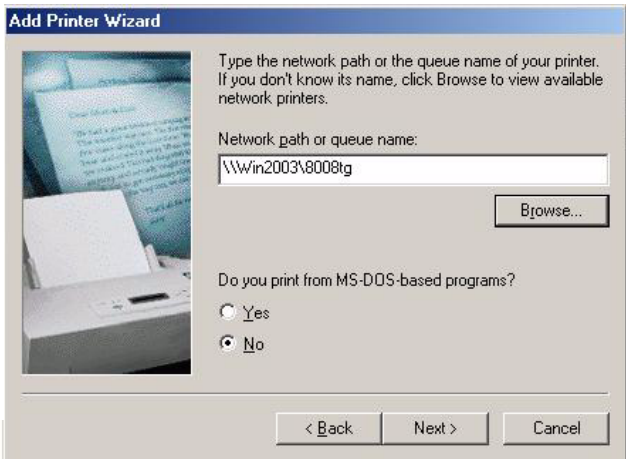
4. Select **Network printer** and then **Next**.



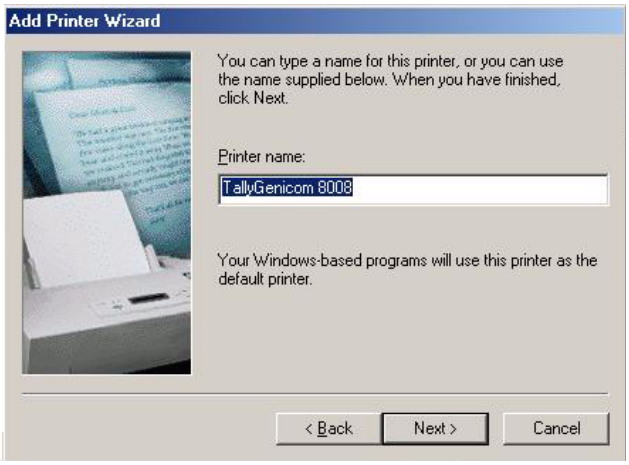
5. Select **Browse**.



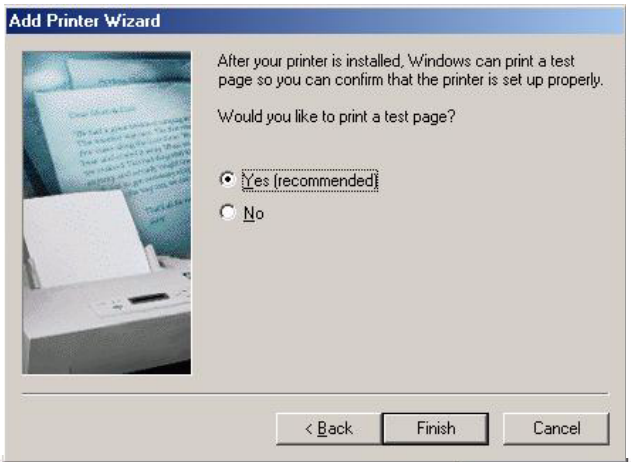
6. Browse to server and printer you require and click.



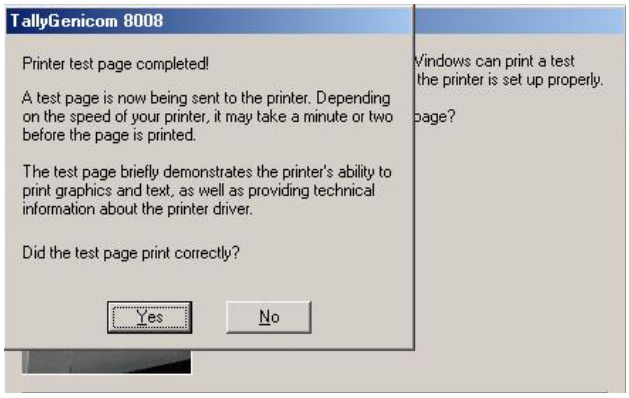
7. If this is the correct server and printer select **Next**.



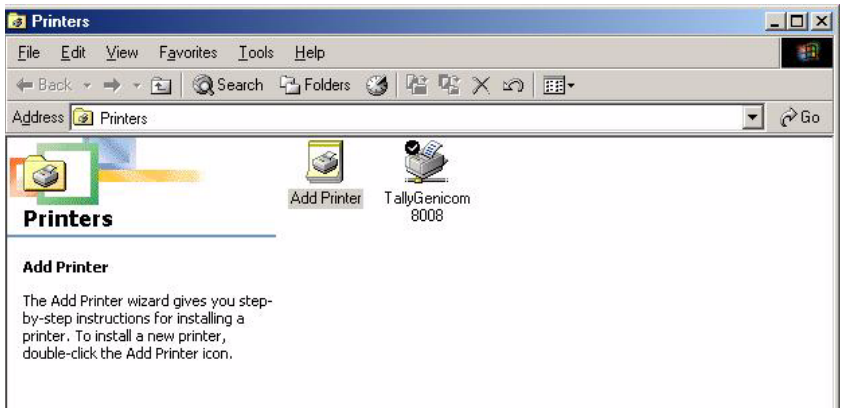
8. Change name if required and select **Next**.



9. Select test page if required and select **Finish**.



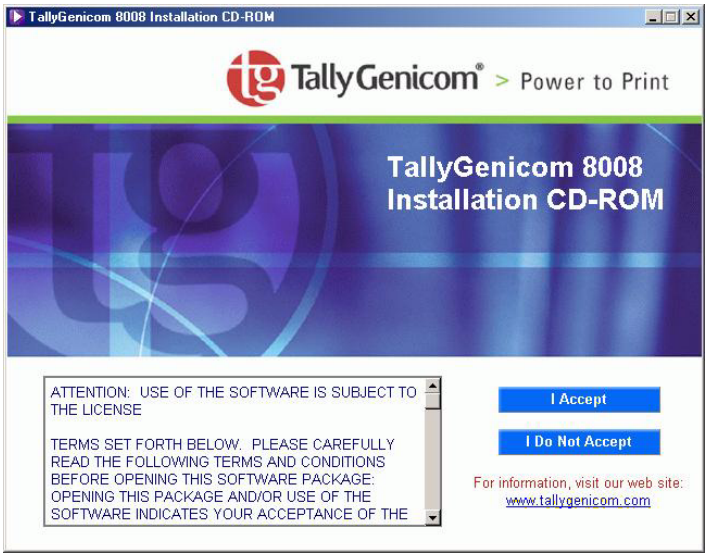
10. Files are copied and select **Yes** to following screen.



The printer should now be seen on printers page with a network connection logo as shown

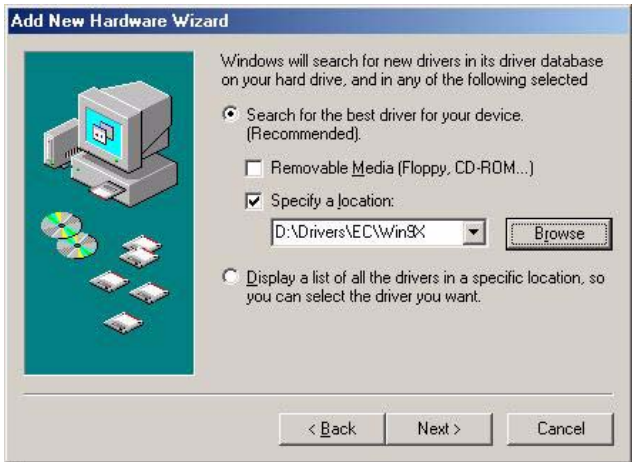
5.3.3 USB connection on Windows ME

1. Load the cd into the drive.



2. After it loads select **I do not accept** to the opening screen as shown below. This stops the cd from running.
3. Connect the computer to the printer by a USB cable.
4. Power the printer on.

5. The computer automatically detects the new hardware. The computer will display the found new hardware screen.
6. Select **Specify the location of the driver (Advanced)** and click **Next**.

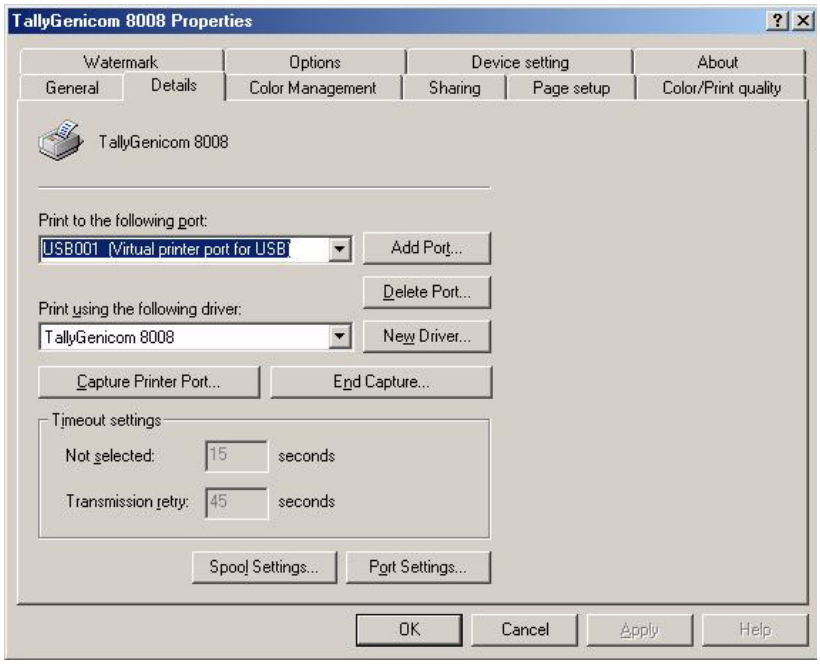


7. Tick the box that says specify a location and browse to the correct language and win9x directory. For English using A4 browse to “drivers\ec\win9x”. For English using letter size paper browse to “drivers\us\win9x”. Click **Next**.

8. Click **Next**.

9. Click **Finish**. The drivers will be added.

1. Once the installation is complete double click the **8008** printer in the printers control panel, select **Printer properties**.
2. Select the **Details** tab.

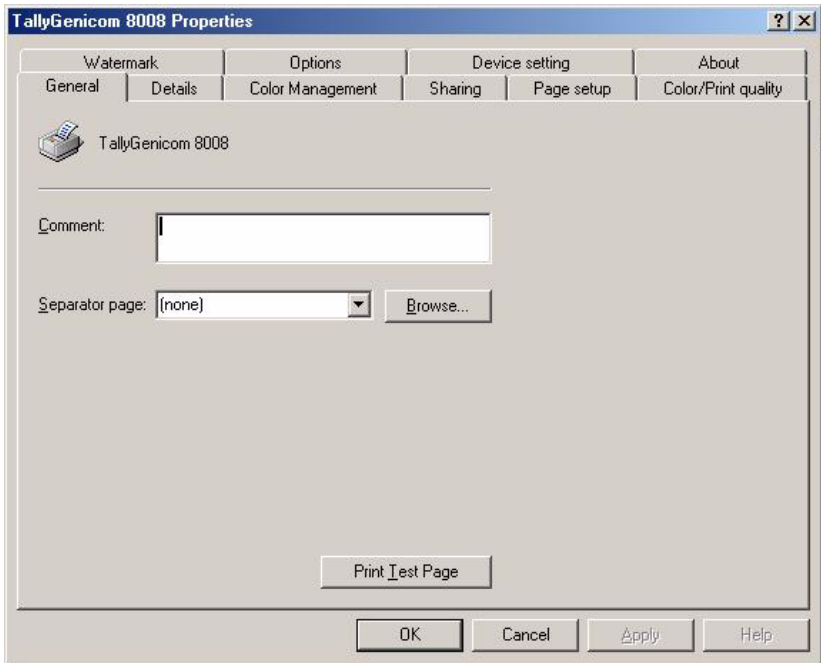


3. Check that it says "USBXXX (virtual port for USB)" under the window print to the following port.

5.3.4 Test Printing

To check the connection, print the test page. The procedure is as follows:

1. Click **Start**, select **Settings** and then **Printers**.
   The Printers window is displayed.
2. The 8008 printer icon has been added by installation of the printer driver. Select this added printer icon and click **Properties** from the "File" menu. The "Properties" dialog box is displayed.
3. Click **Print Test Page** in the "General" tab.



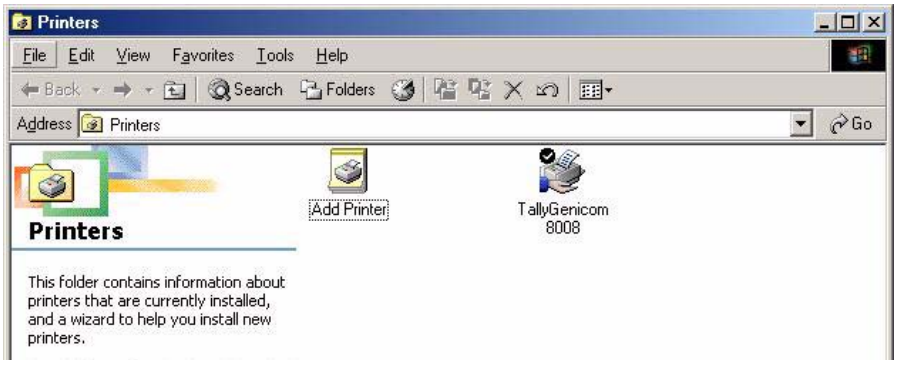
A dialog box is displayed to confirm whether or not the test page has been printed correctly.

4. Check the print results, and if the test page is printed correctly, click **Yes**.
5. Click **OK** on the "Properties" dialog box.

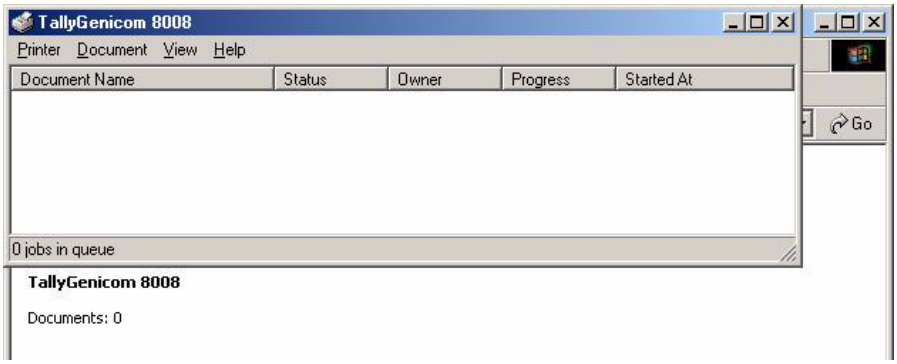
5.3.5 Selection of installed options

If your printer has either a duplexer or extra lower bin you need to select this.

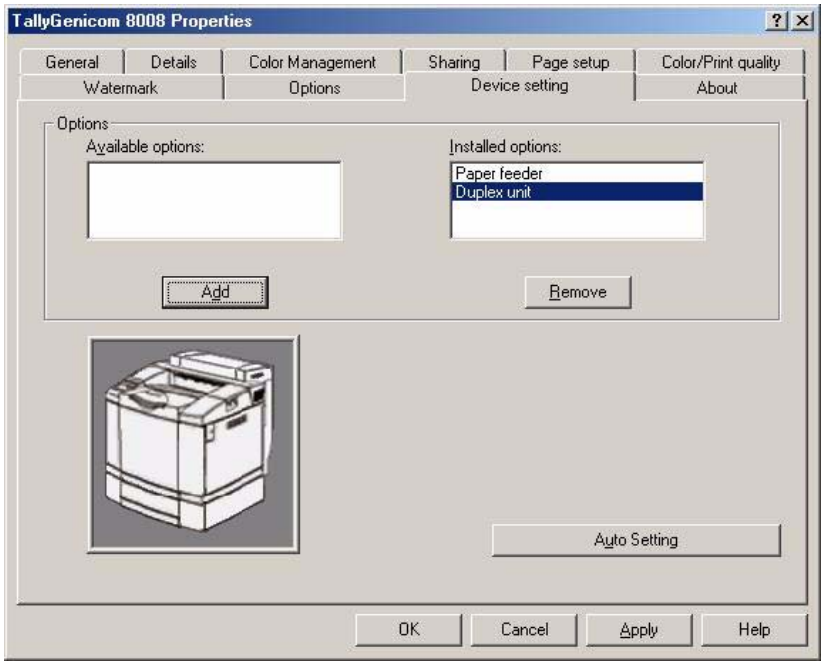
1. Click **Start**, select **Settings** and then **Printers**. The screen will show the printer. .



2. Double click the printer



3. Select printer properties.



4. Select the device settings Tab and add any options installed by selecting them on the available options Windows and selecting **Add** so they appear under the installed options window.

5.4 Installing Printer drivers and printing from Windows XP, Windows 200, Windows 2003 and Windows NT4

Note: *In order to connect to the 8008 from Windows XP, Windows 2000, Windows 2003 and Windows NT you have 3 possibilities.*

1. Connection using a TCP/IP peer to peer service. This is directly supported by standard services supplied on each of the above operating systems.
2. A shared connection from a server which has already a connection to the 8008 and shares both the connection and will normally download the printer drivers to your pc.
3. A direct connection using the printer's USB port. Note that this is not supported on Windows NT.

We will deal with these in turn:

Before installing the printer driver on a Windows NT 4.0 system, it is necessary to set up TCP/IP Protocol and Microsoft TCP/IP Printing. Refer to the manuals on Windows NT 4.0 for details.

Note: *You must log on to Windows NT 4.0 or Windows 2000/XP and Windows 2003 as either a power user or administrator in order to install printer drivers.*

5.4.1 Connection using a TCP/IP peer to peer service on Windows XP and 2000

For a printer to be connected using TCP\IP printing ensure that the printer has been configured for a valid IP address, subnet and gateway.

If this has been assigned by a DHCP server ensure that there is a reservation of the printers mac address, seen on the network Configuration test page against the reserved IP address in the DHCP servers scope. See your company network manager if there is any doubt.

If the printer has not obtained an IP address subnet and gateway automatically see Chapter 4.9.1, "Network Menu Operation" of this manual to add one to the printer.

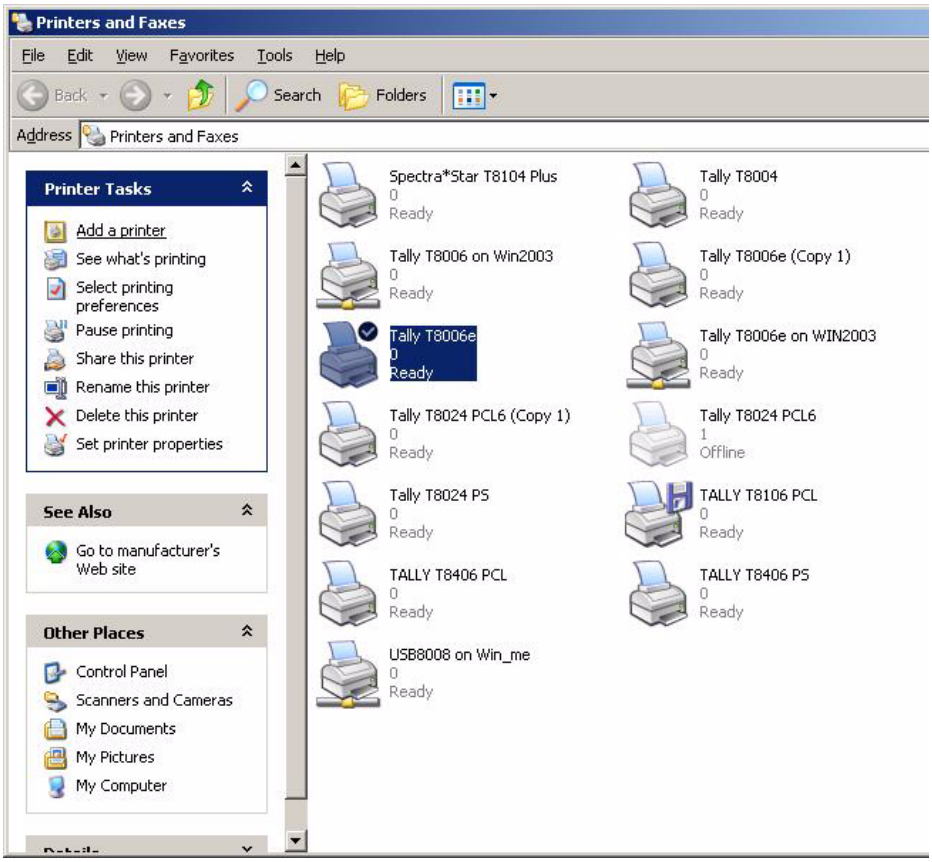
Ensure that the printer is powered on and has been connected to the network.

You must be logged on to the computer as an administrator or equivalent in order to install the printer drivers.

1. Load the cd into the drive.

2. After it loads select **I do not accept** to the opening screen as shown below. This stops the cd from running.

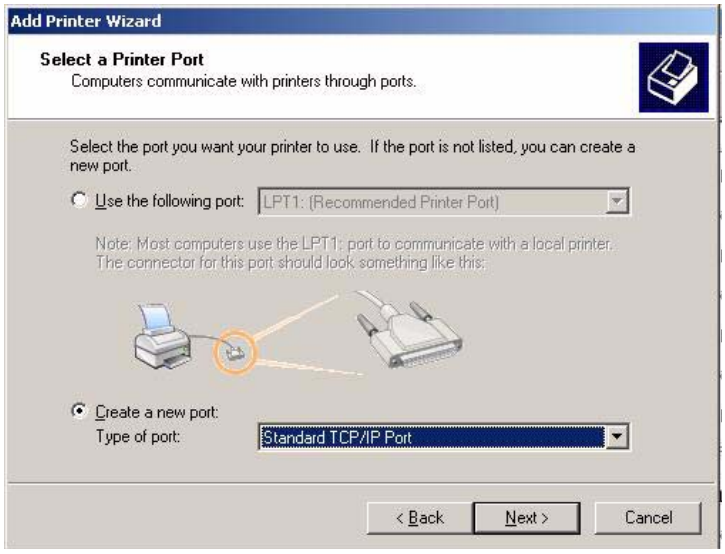
1. To install the printer driver: Click **Start**, select **Settings** and then **Printers**.



2. Double click **Add printer**.

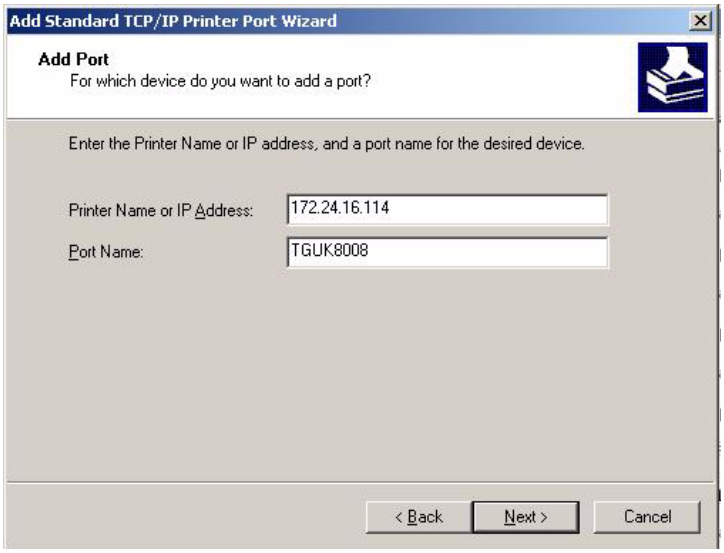
3. Click **Next**.

4. Select the **Local printer attached to this computer** radio button, uncheck the **Automatically detect and install my plug and play printer** box and then select **Next**.

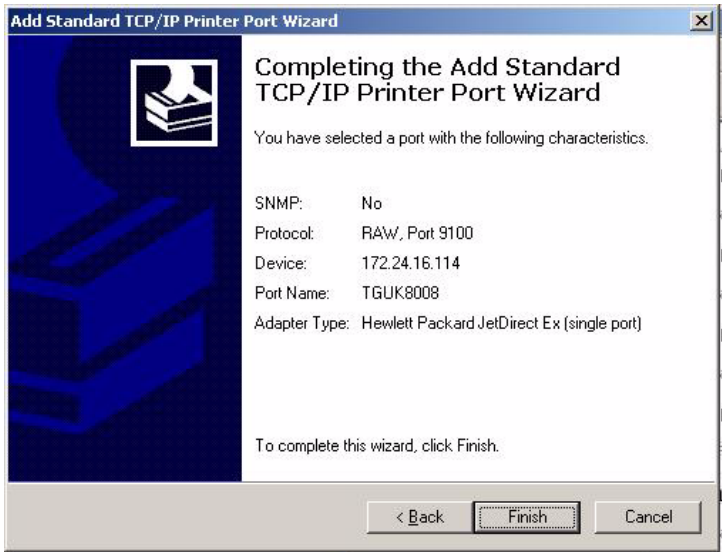


5. Select the create a new port radio button and select **Standard TCP/IP port** on the pull down list. Select **Next** button.

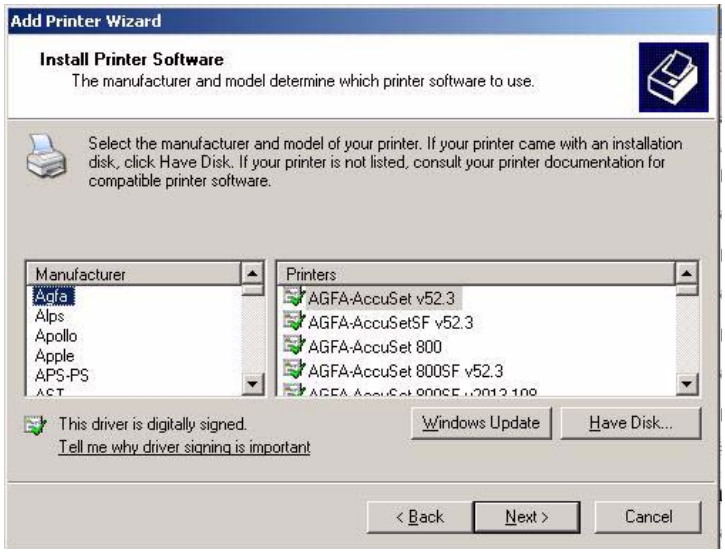
6. Read the next screen and select **Next**.



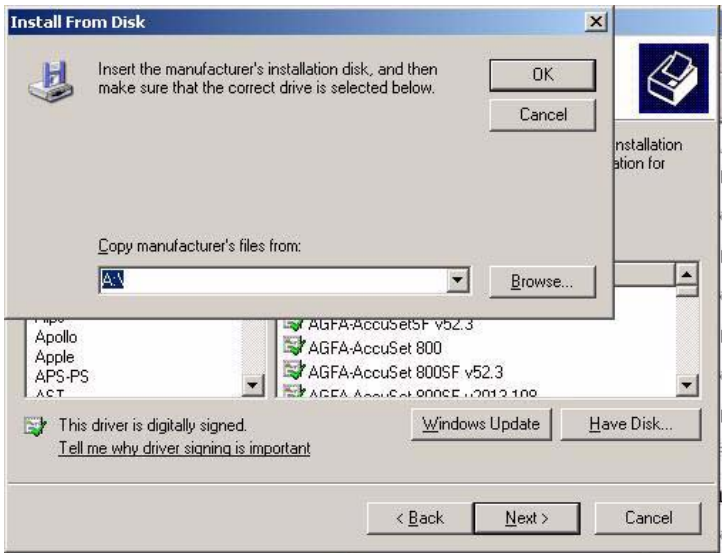
7. Type in the 8008 printer's IP address into the first box. Type in a name if required into the Port name box. Otherwise leave as the default setting which is based on the IP address entered. Select the **Next** button.



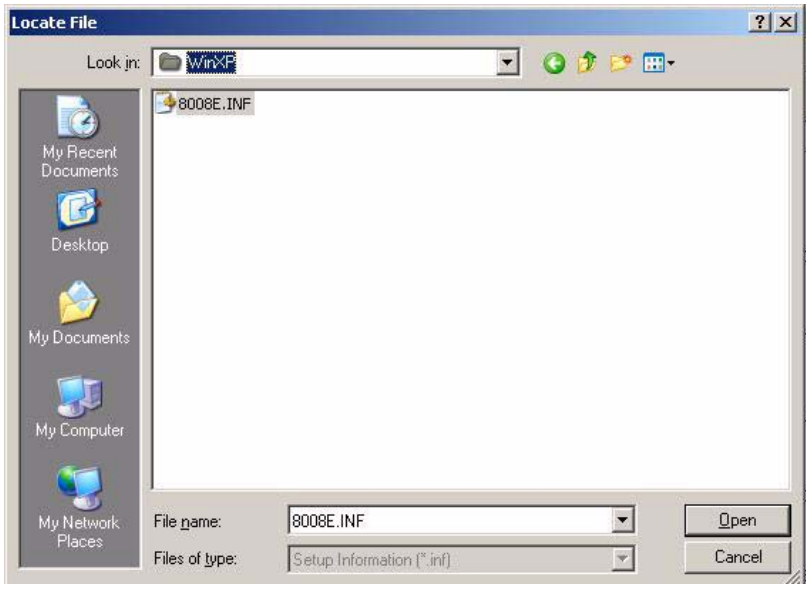
8. The screen above will then appear. Click **Finish**.



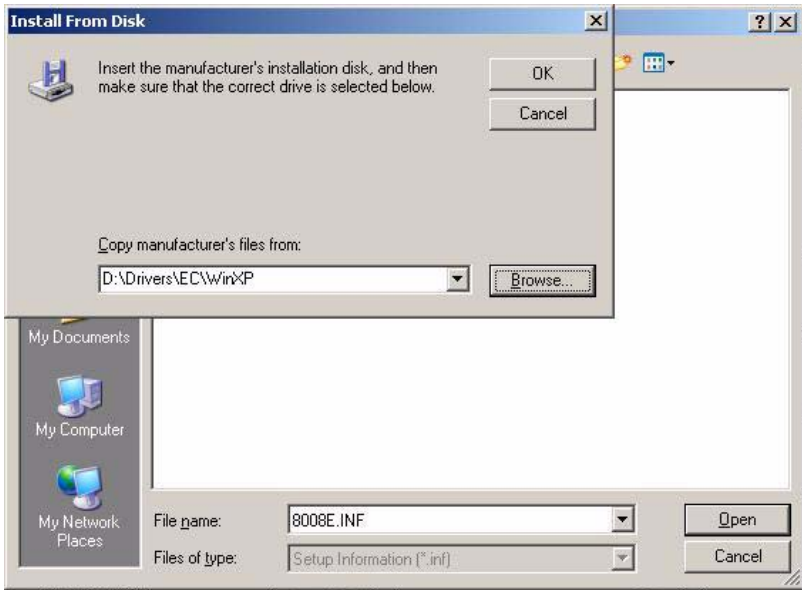
9. Select **Have Disk**.



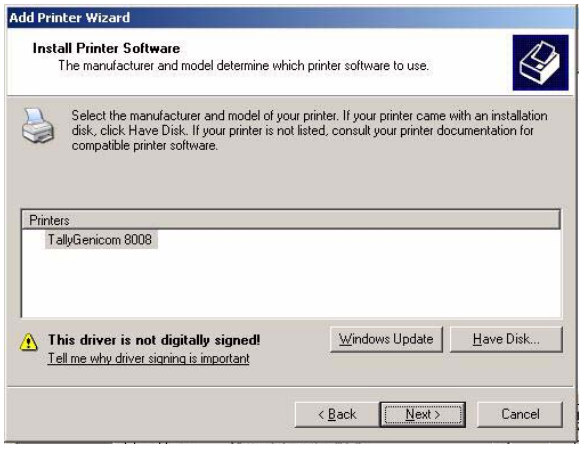
10. Select **Browse**.



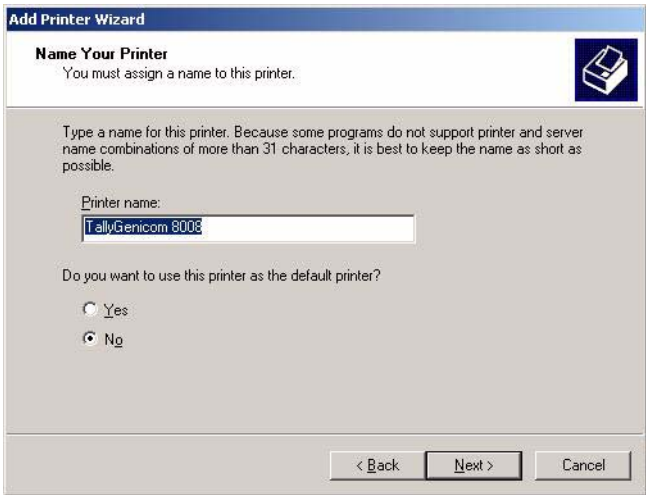
11. Go to your CD rom drive under drives and browse to your correct directory. For English using A4 paper go to "drivers\ec\XP" directory for English using letter size go to "drivers\US\XP" directory. Select **8008.inf** file on the screen and select **Open**.



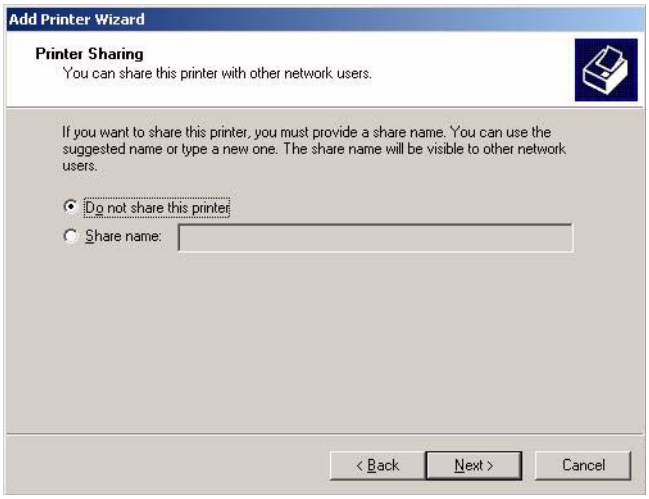
12. If next screen is correct select **OK**.



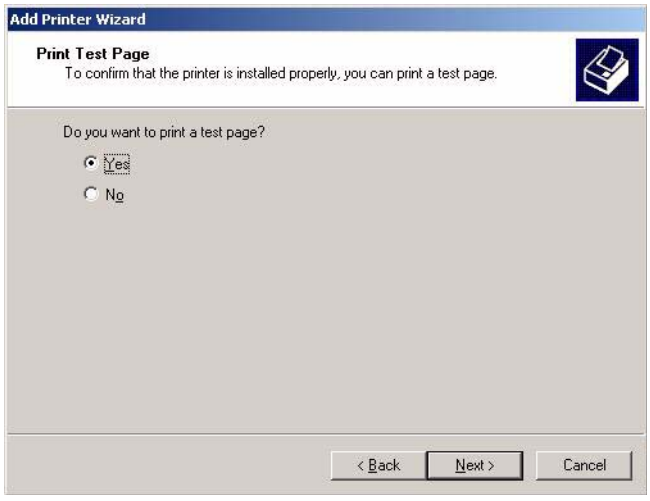
13. Select **Next**.



14. Type in the name you require the printer to be known as leave as default otherwise. Select to be the default printer or not. Press the **Next** button.



15. Select to be shared or not. If printer is to be shared type a suitable name in the box. Press the **Next** button.



16. Select a test page if required. Press the **Next** button.

17. Select **Finish**.

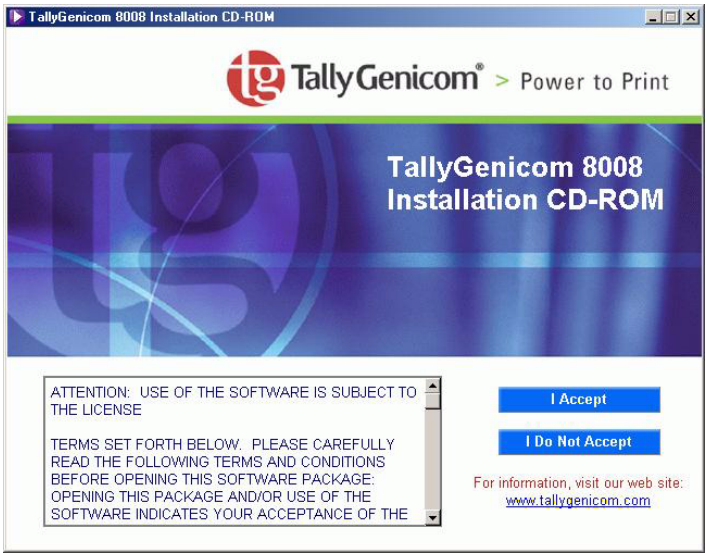
5.4.2 Connection using a TCP/IP peer to peer service on Windows NT4

To connect onto Windows NT4 the principle is the same as for adding the 8008 on XP as shown above. However a LPR port has to be added.

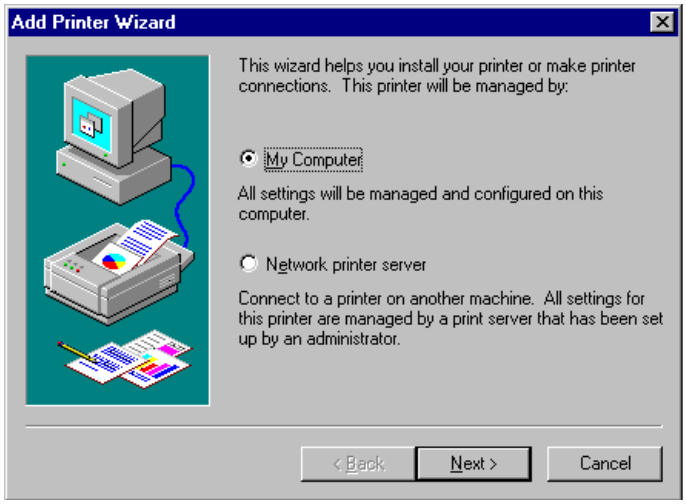
Note: *If the LPR port is not shown as an available port look up the NT help for adding the service "Microsoft TCP\IP printing Service". This service adds the ability to create and use a LPR port.*

Ensure that the printer is powered on and connected to the network. Ensure it has been assigned an IP address, subnet mask, and gateway manually or via DHCP etc. (see Chapter 4.9.1, "Network Menu Operation").

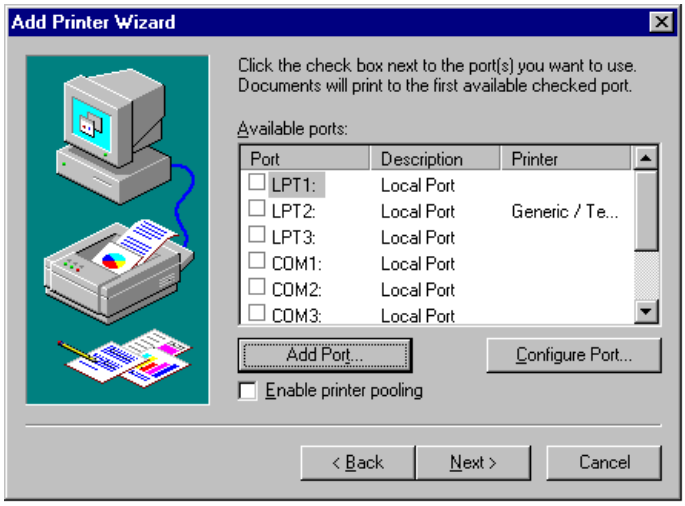
1. Load the cd into the drive.



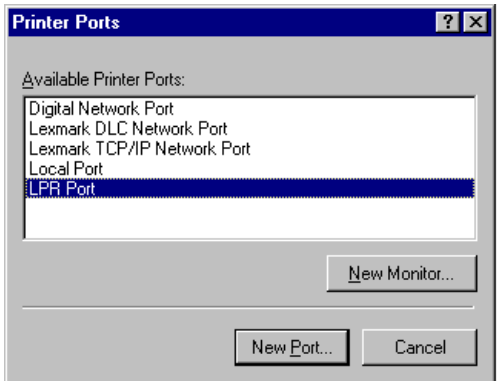
2. After it loads select **I do not accept** to the opening screen as shown below. This stops the cd from running.
3. Then double click **Add printer** from **Start**, **Settings**, **Printers**.



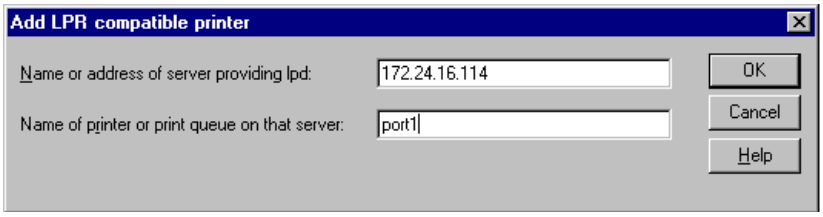
4. Select my computer and click **Next**.



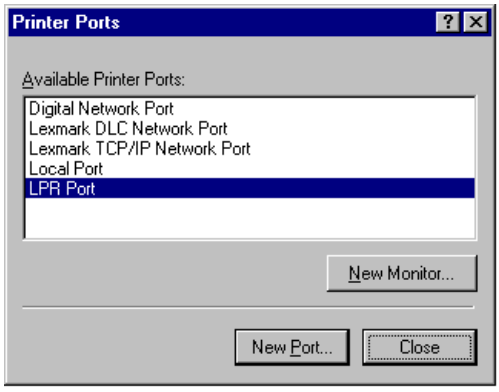
5. Select the **Add port** button.



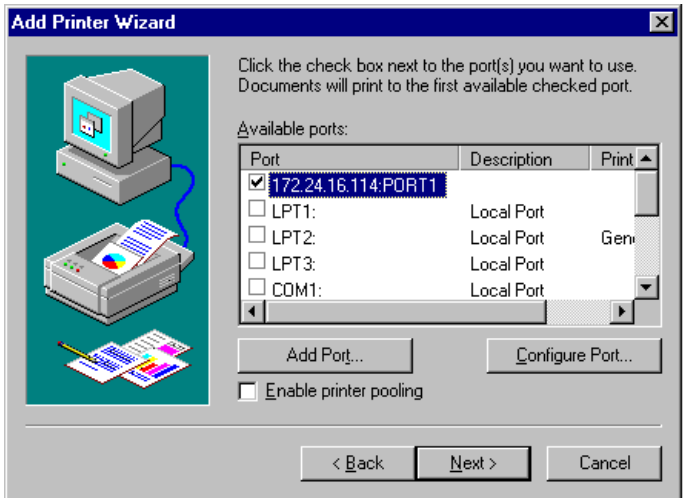
6. Select the **LPR Port** and click **Next**.



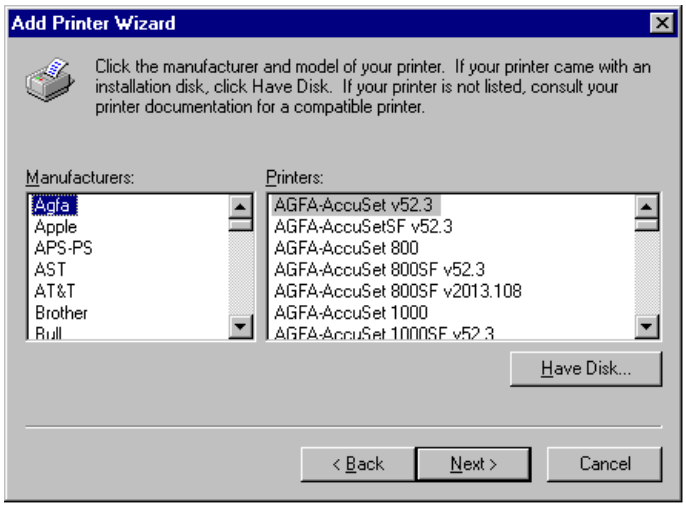
7. Type in the printer's IP address into the top box and "port1" into the lower box. Then click the **OK** button.



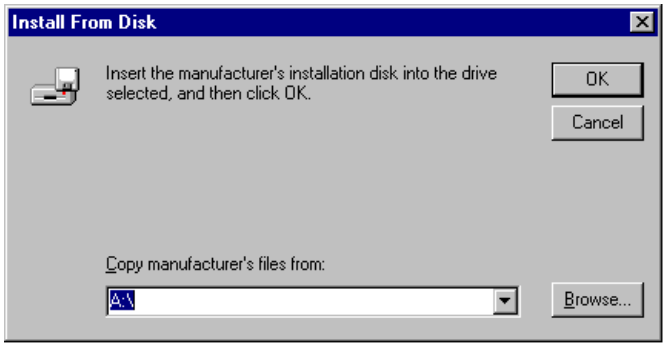
8. The screen below will display again after a short time. Select the **Close** box.



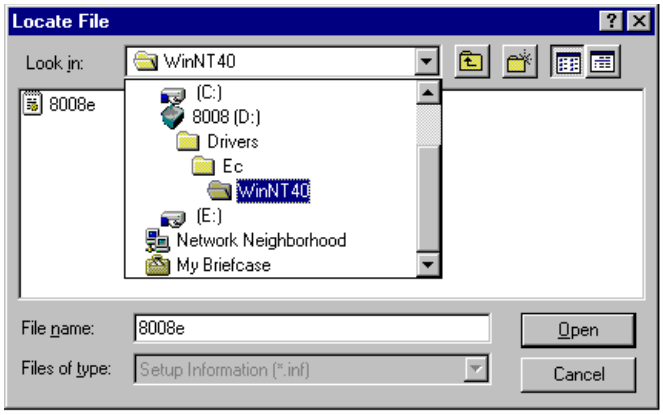
9. The port should now be displayed in the box with a tick against it. Click the **Next** box.



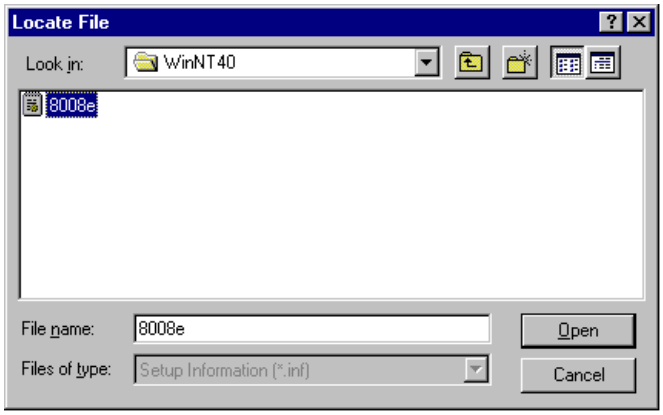
10. Select **Have Disk**.



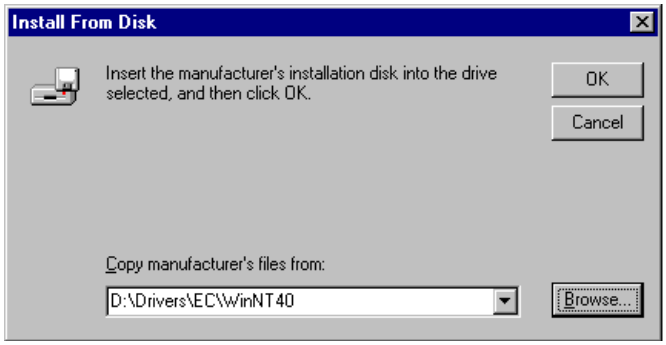
11. Select **Browse**.



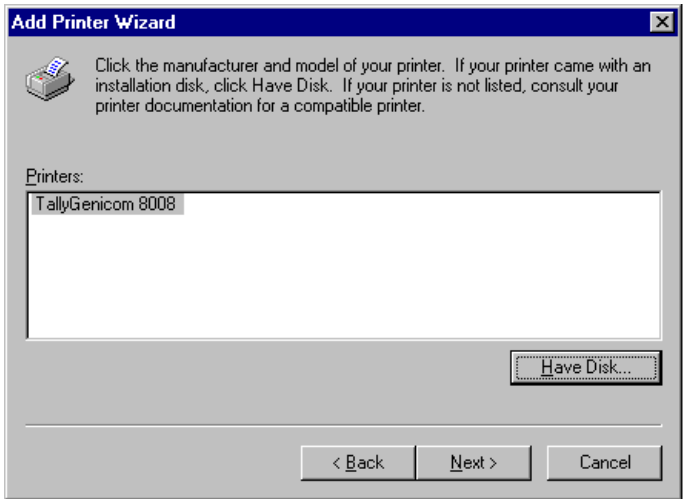
12. Go to your CD rom drive under drives and browse to your correct directory. For English using A4 paper go to “drivers\ec\winnt” directory for English using letter size go to “drivers\US\winnt” directory.



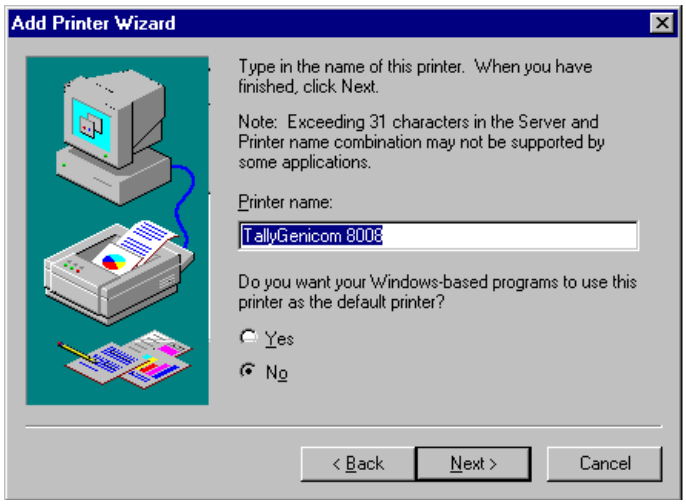
13. Select the **8008** file shown which in this case is called 8008e as shown on the left of the screen and select the **Open** box.



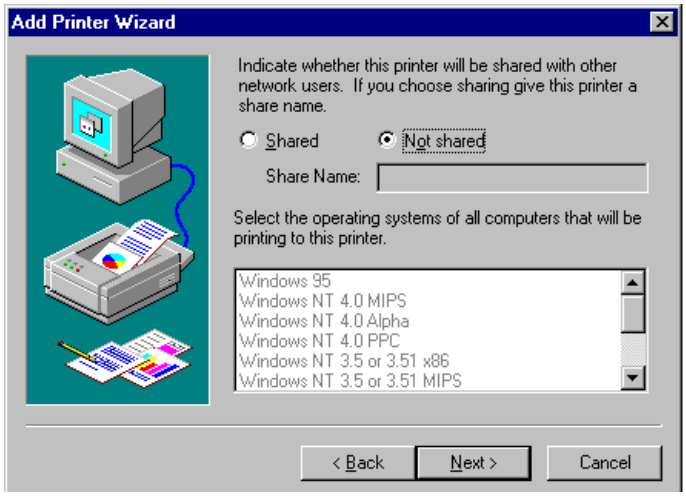
14. If next screen is correct select **OK**.



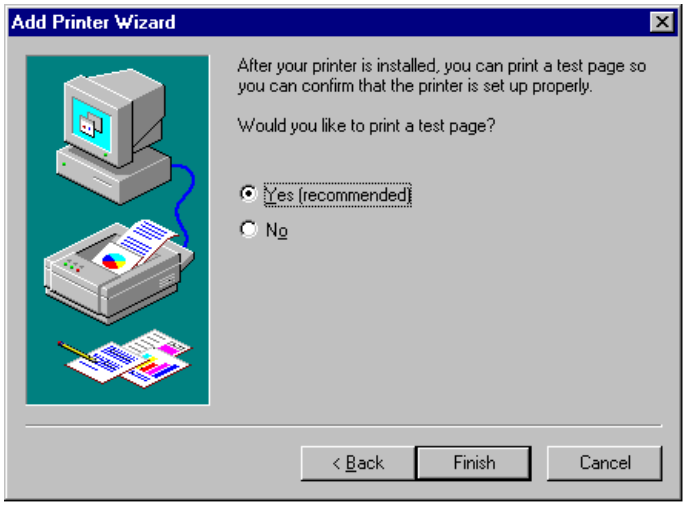
15. Select **Next** on following screen.



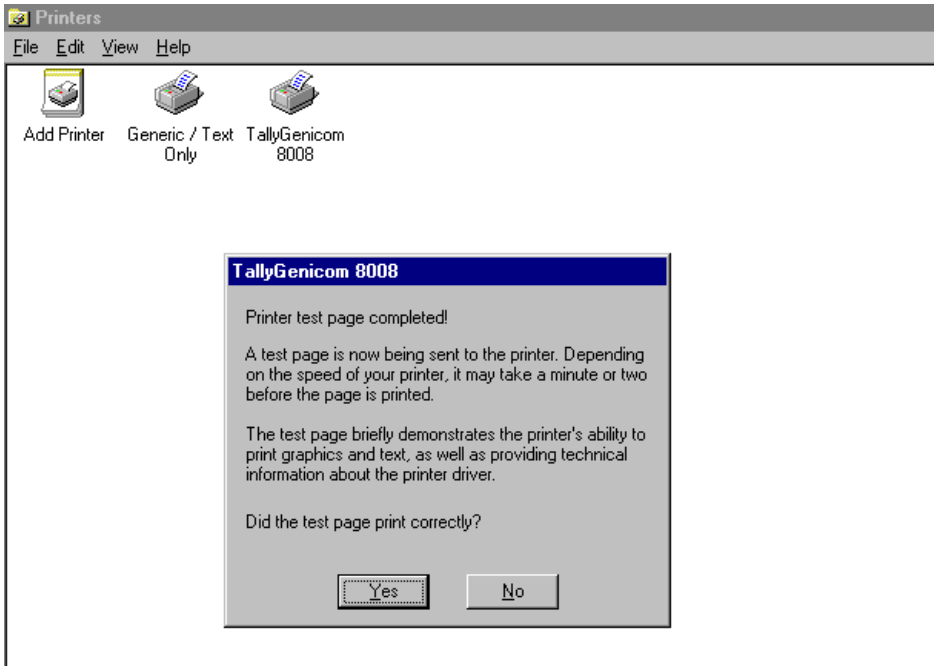
16. Select as you require the name and confirm if you want this to be the default printer, then select **Next**.



17. Select printer to be shared or not and then select **Next**.



18. Choose as you require from the selection of print test page. Select the **Finish** button.



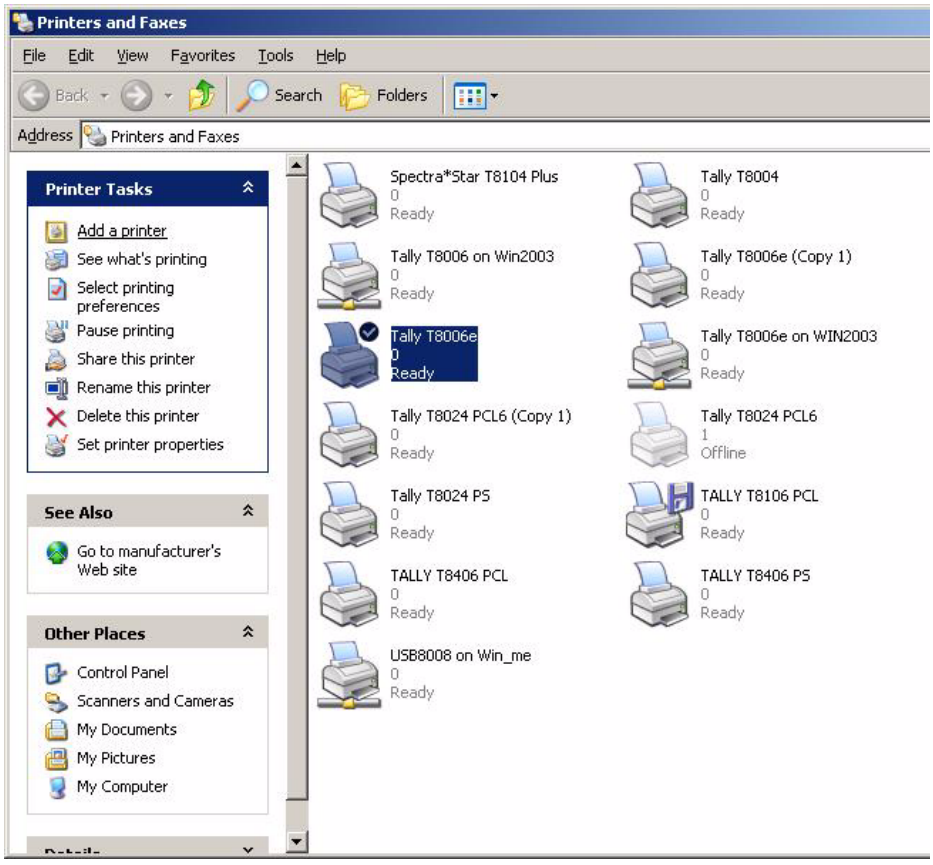
19. The driver will install the required files. When complete the screen will show the printer.

5.4.3 Connection from Windows XP and 2000 to a printer shared from a server

The following installation is using XP as an example. Windows 2000 installation is similar.

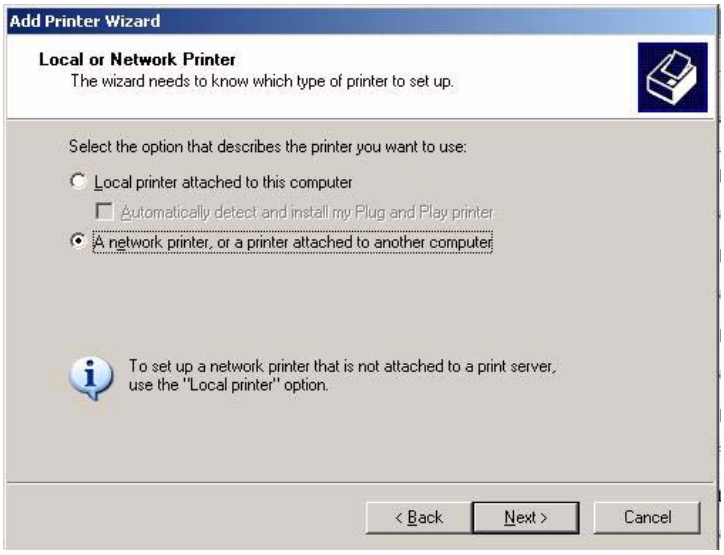
For a printer shared from a server

1. To install the printer driver: Click **Start**, select **Settings** and then **Printers and Faxes**.



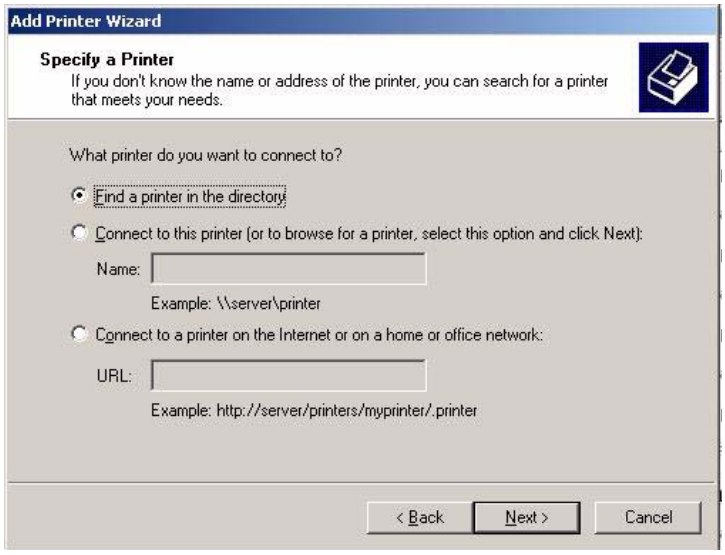
2. Double click **Add printer**.

3. Click **Next**.

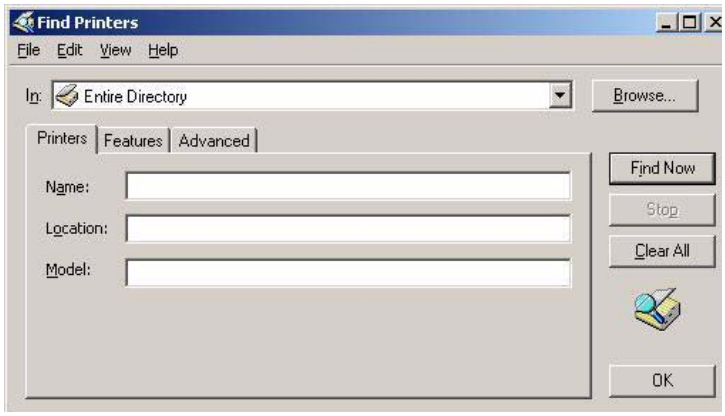


4. Select **A network printer**, or a printer attached to another computer and then **Next**.

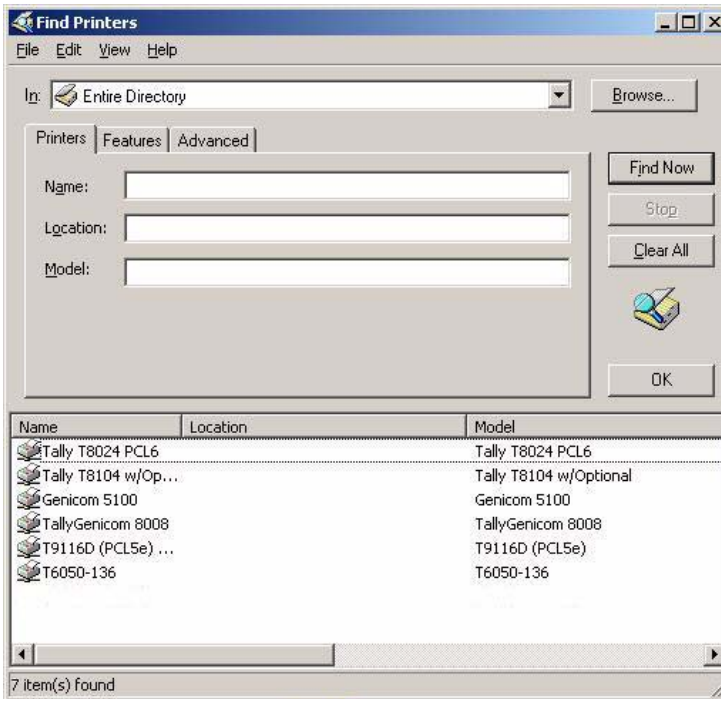
If using Directory Services



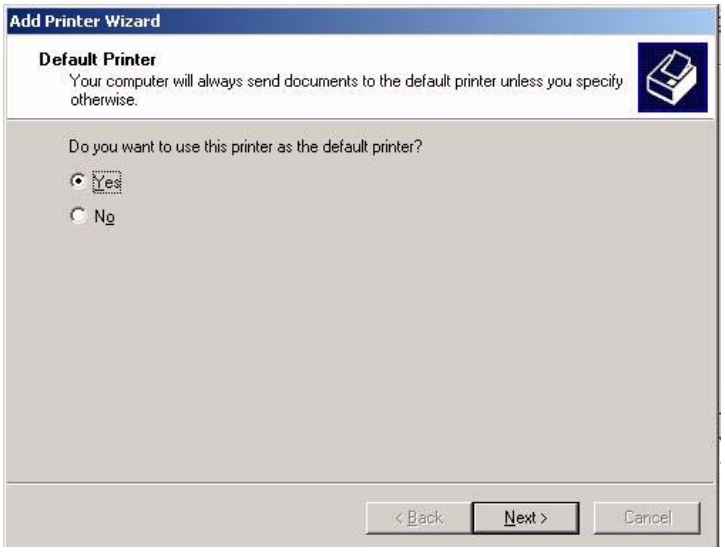
1. Select the **Find a printer** in the directory button.



2. Select **Find now** to display Printers.



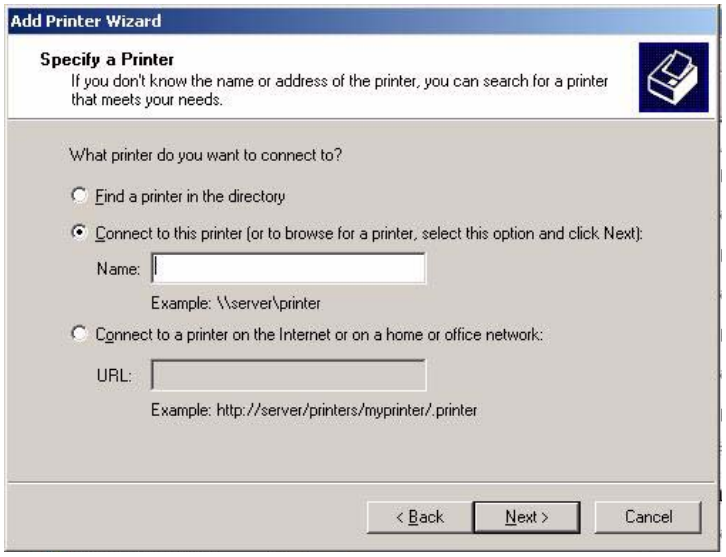
3. Double click **TallyGenicom 8008**.



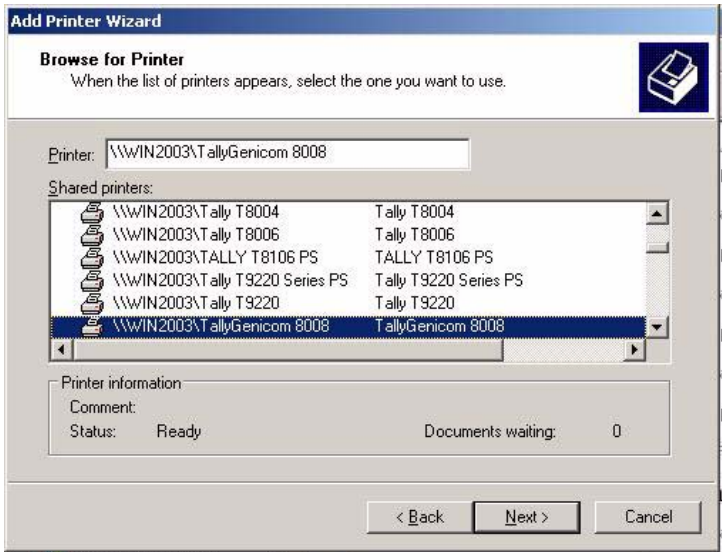
4. Specify if you want the printer to be the default printer or not.

5. Click the **Finish** button.

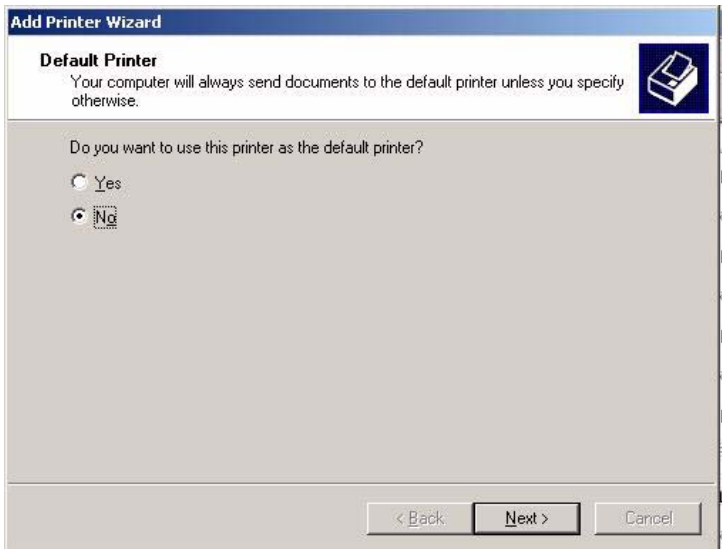
If not using directory services



1. Select the **Connect to this printer (or to browse for a printer select this option and click Next)** radio button.
2. If known type server and shared 8008 name otherwise leave blank. Select the **Next** button.



3. If required browse to the correct server and double the printer to add it.



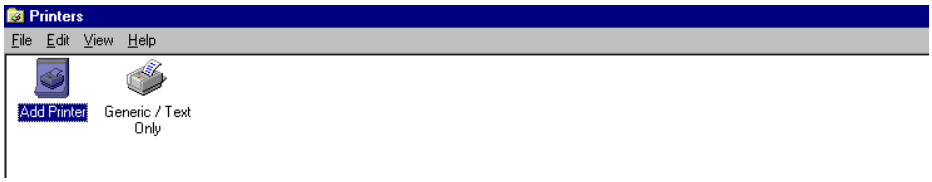
4. Specify if you want the printer to be the default printer or not.

5. Click **Finish**.

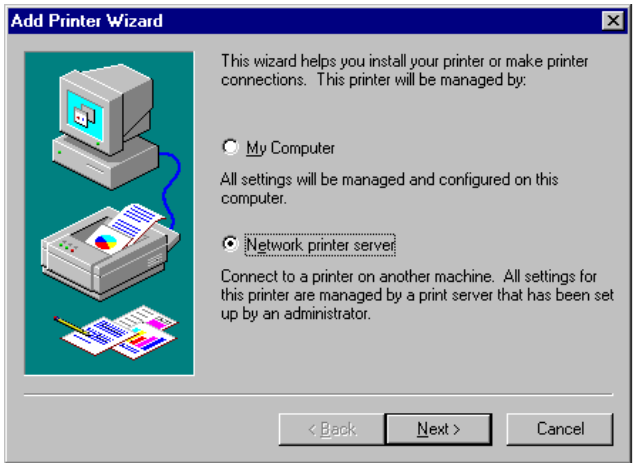
This completes the addition of the server shared printers onto Windows XP.

5.4.4 Connection from Windows NT4 to a printer shared from a server

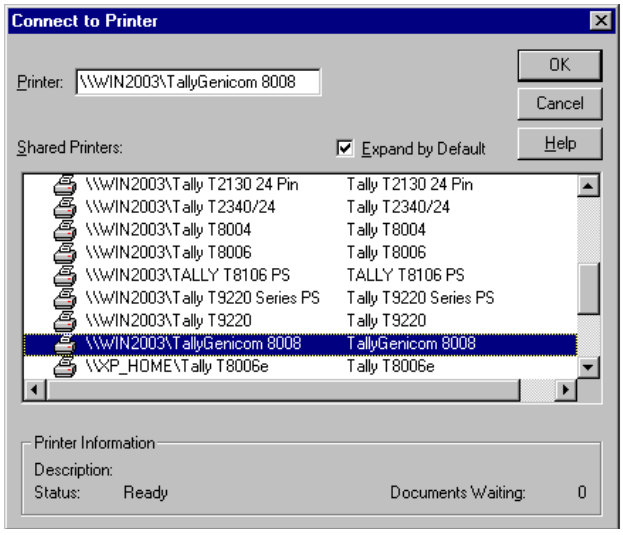
1. To install the printer driver: select **Start**, **Settings**, **Printers**.



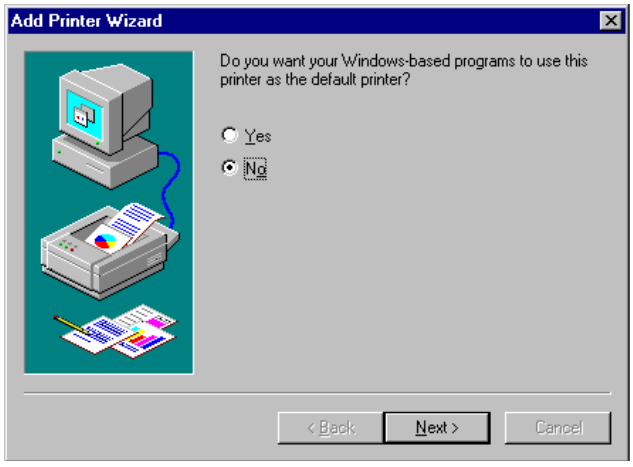
2. Double click **Add printer**.



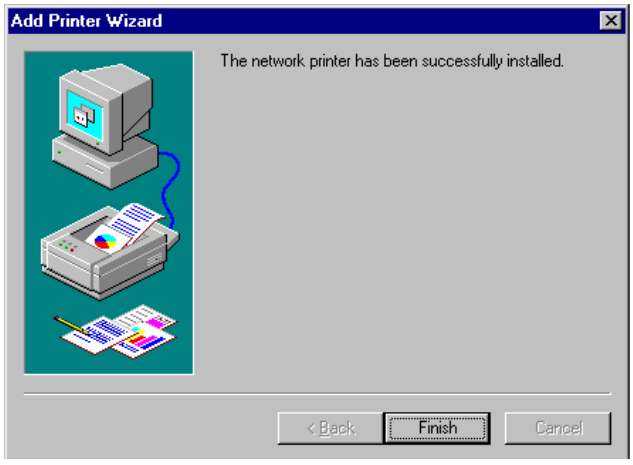
3. Select **Network printer server** and then **Next**.



4. Browse to server and printer you require and click **OK**.



5. Choose if you want this printer to be the default printer. Click **Next**.



6. Click **Finish**.

The driver will now be loaded onto the Windows NT4 computer.

5.4.5 USB connection on Windows XP and 2000

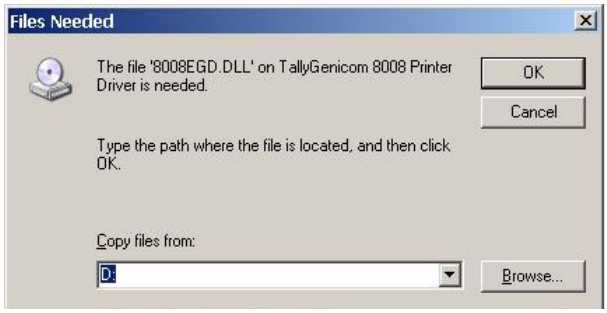
Note: *A USB connection from Windows NT4 is not supported.*

1. Load the cd into the drive.

2. After it loads select **I do not accept** to the opening screen as shown below. This stops the cd from running.
3. Connect the computer to the printer by a USB cable.
4. Power the printer on.
   The following example uses Windows XP. The same principle is used for Windows 2000 except different directories are selected.
5. The computer automatically detects the new hardware. The computer will display the found new hardware screen.

6. Select **Install from a list or specific location (Advanced)** and click **Next**.

7. Tick the box that says specify a location and browse to the correct language and to either the Windows XP or Windows 2000 directory as appropriate.
– For English using A4 on Windows XP browse to "drivers\ec\winxp". If using Windows 2000 then browse to "drivers\ec\win2000".
– For English using letter size paper browse to "drivers\us\winxp". If using Windows 2000 then browse to "drivers\us\win2000".



8. Under some circumstances you may see the screen which advises it cannot find a certain file as shown. In this case browse again to same directory browsed to as shown above eg. "drivers\ec\winxp". and select **OK**.

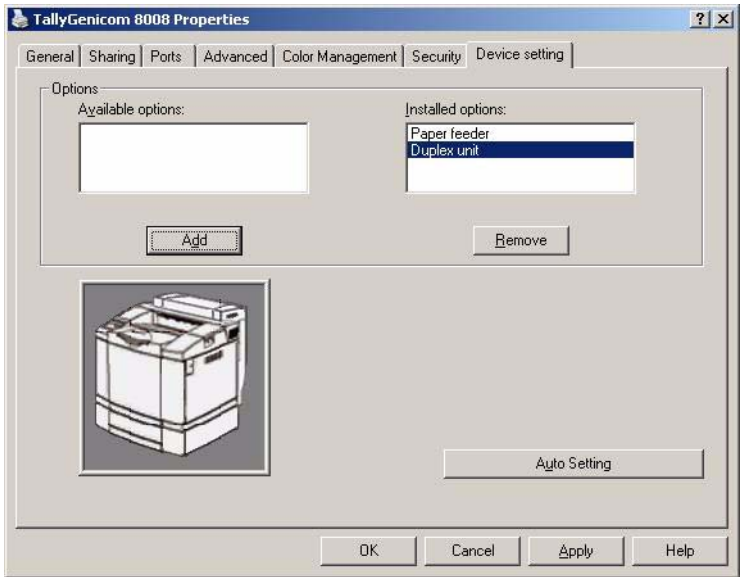
9. Click **Finish** on the next screen.

5.4.6 Installation of options onto Windows XP, 2000, 2003 and NT4

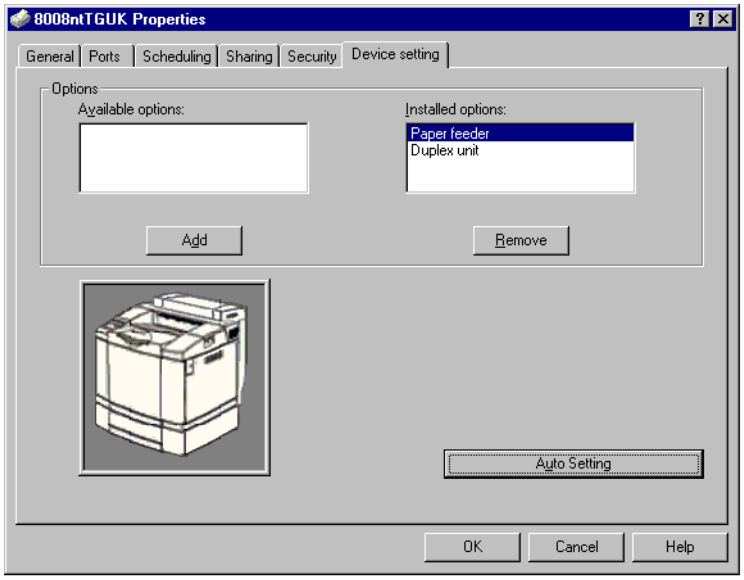
If your printer has either a duplexer or extra paper feeder you need to add these options to the driver.

1. To do this select **Start**, **Settings**, **Printers** Double click the printer.
2. Select **Printer properties**.
3. Select the device settings Tab. Add any options installed by selecting them on the available options window and selecting **Add** so they appear under the installed options window.

Below is this screen for Windows XP.



Below is this screen for Windows NT.

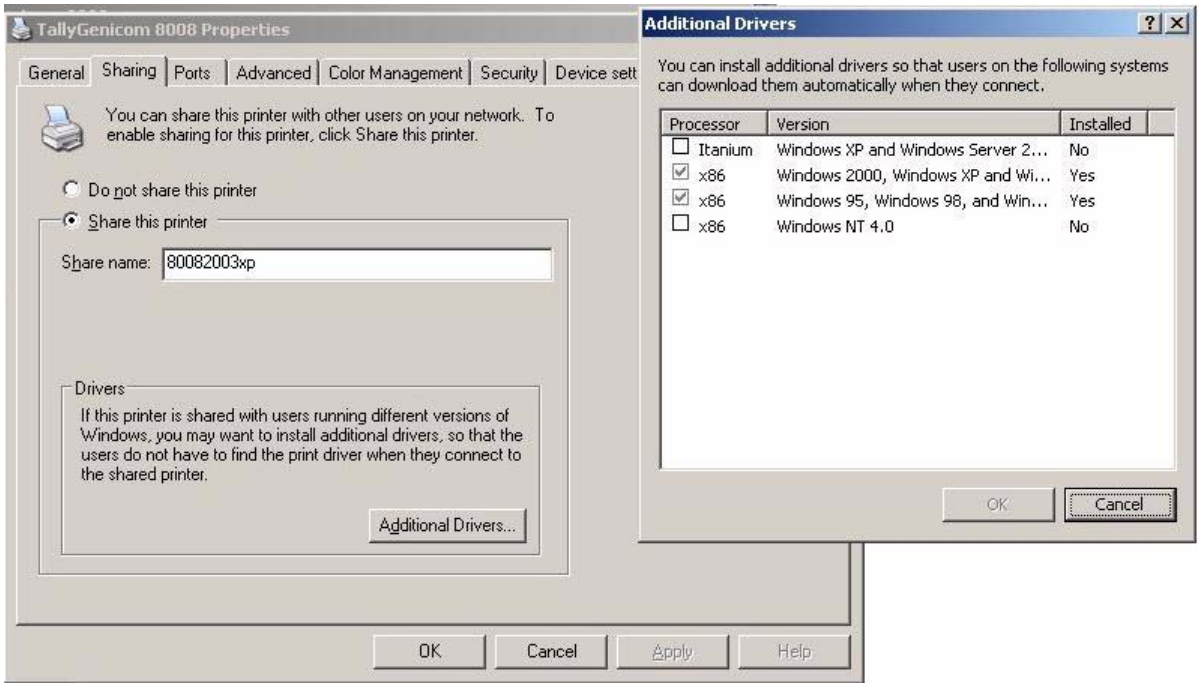


5.4.7 Sharing printer from Windows 2003, 2000, XP and NT4

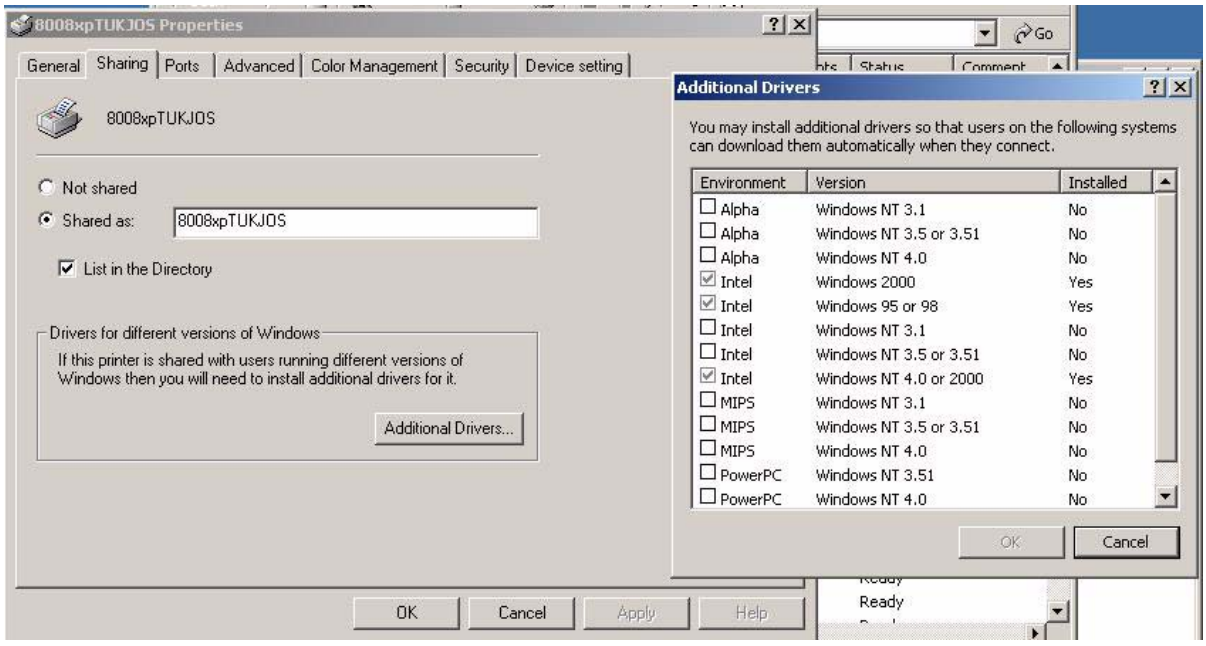
Once a printer driver has been installed onto a server and a connection made to the printer it can be shared to other Windows computers. Drivers can also be loaded for other Windows operating systems. The server operating system generally has to be at least of the same age as the workstations to support these workstations. If this is not the case then the loading of drivers down to the workstation may not be possible. An example of the latter is that if you are using Windows NT server it is not aware of Windows XP drivers.

Below are screen shots of various systems showing drivers which they can store and download to workstations as required.

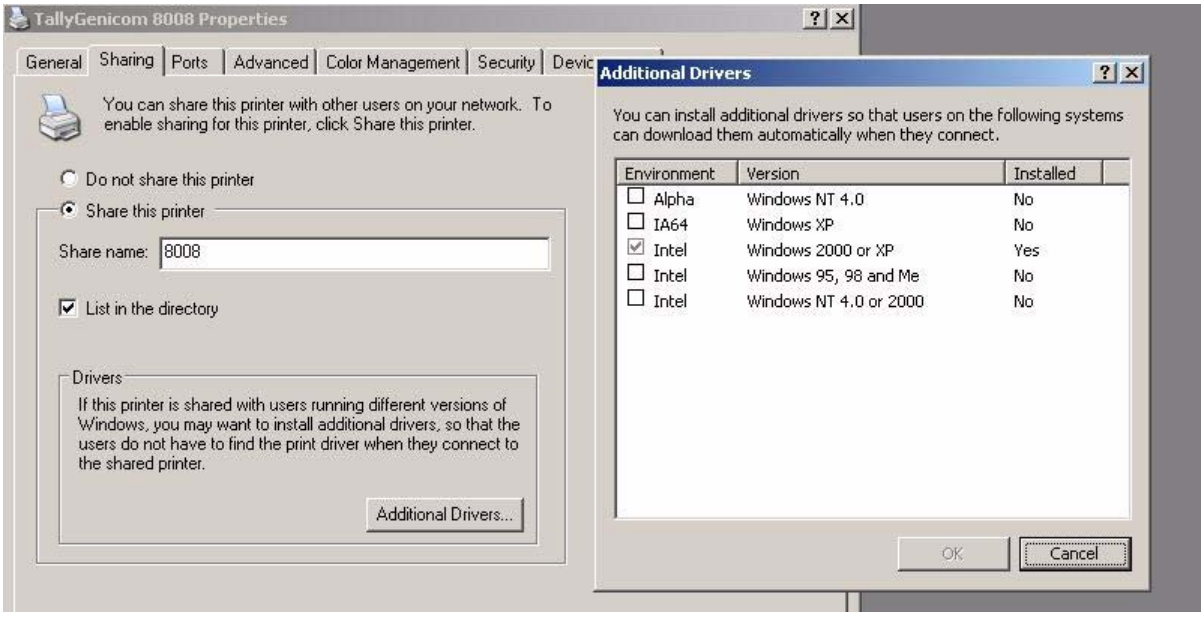
Windows 2003



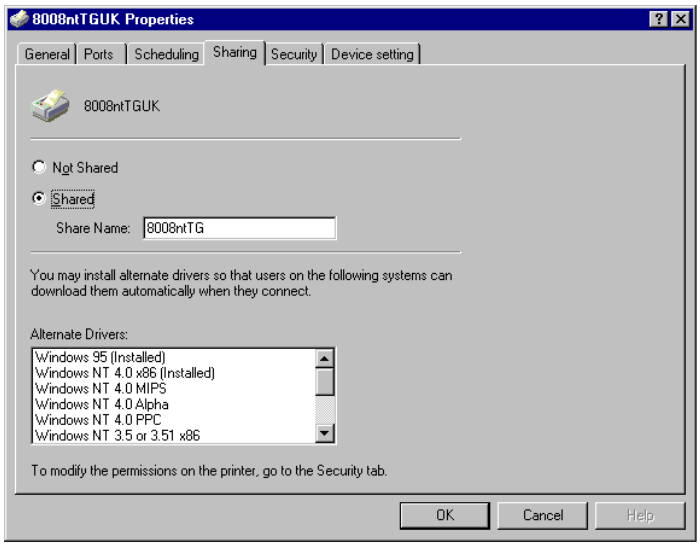
Windows 2000



Windows XP



Windows NT


8008ntTGUK Properties
General
Ports
Scheduling
Sharing
Security
Device setting
8008ntTGUK
Not Shared
Shared
Share Name:
8008ntTG
You may install alternate drivers so that users on the following systems can download them automatically when they connect.
Alternate Drivers:
Windows 95 (Installed)
Windows NT 4.0 x86 (Installed)
Windows NT 4.0 MIPS
Windows NT 4.0 Alpha
Windows NT 4.0 PPC
Windows NT 3.5 or 3.51 x86
To modify the permissions on the printer, go to the Security tab.
OK
Cancel
Help

5.5 Printing from a Macintosh (OS 9.X)

This section describes how to install and setup the printer drivers for Macintosh computers.

5.5.1 System Environments

The minimum requirements for hardware components are as shown below:

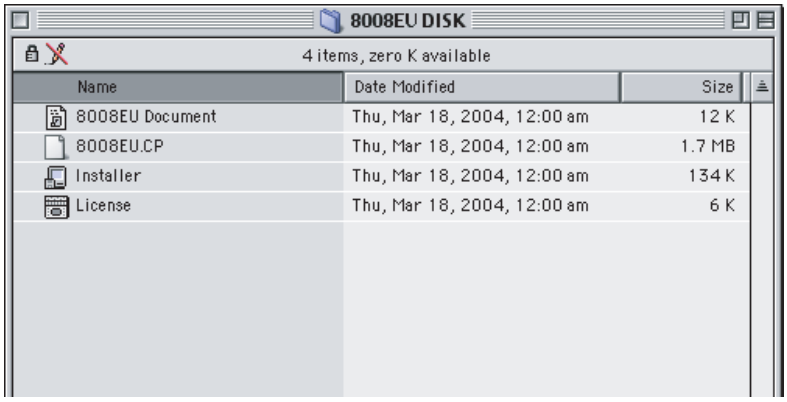
- Computer CPU: Power PC
- Connection: Apple Talk, Standard 100BASE-TX/10BASE-T Ethernet interface, USB. This printer does not support printing using TCP/IP on either OS9.X or OSX.X.
- Operating System: Mac OS 9.X or later
- Memory: 32 MB or more (64 MB or more is recommended)
- Hard disk space: 16 MB or more (100 MB or more is recommended)

5.5.2 Installation

Here, an installation using Mac OS 9.2.1 is shown. Other operating system versions may use slightly different screens but the principles of installation remain the same.

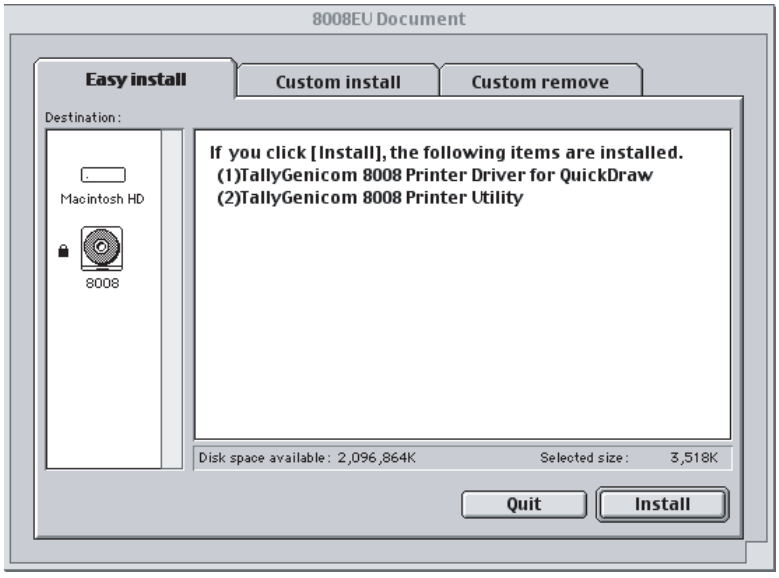
If you want to upgrade or reinstall the printer driver software, uninstall the old version of the software. For the uninstalling procedure see Chapter 5.5.4, "Uninstallation"

1. Turn on your Macintosh, insert the 8008 CD into the drive and select by double clicking the MACOS9 folder on the 8008 cd. Select the appropriate language folder. Select the "8008EUDisk" folder if you use A4 paper size or the "8008USDisk" folder if your normal paper size is letter.
2. The following assumes that you will be using the "8008EU" installation.
3. Double-click the **8008EU** folder to open it. Double-click the **8008EU** Document.



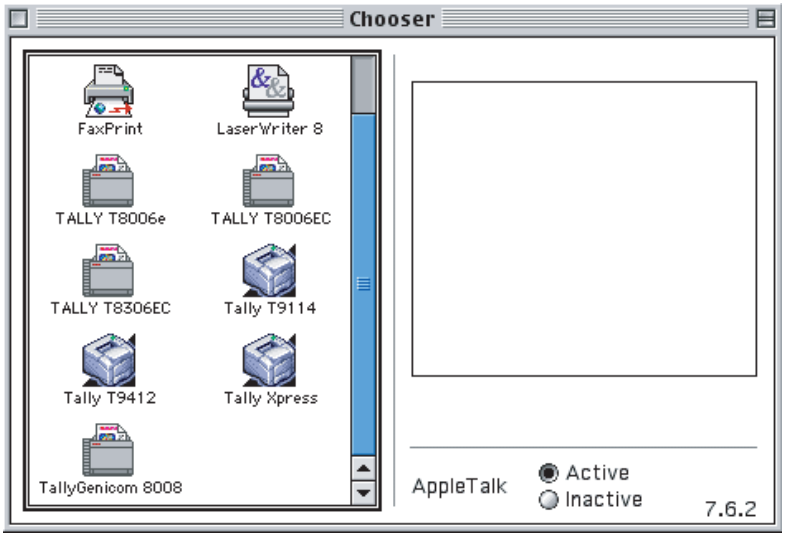
4. A Software License Agreement appears. Review the agreement and click **Agree** if you agree and want to continue.

5. Click the **Install** button.It is recommended to have the easy install tab selected when installing for the first time.

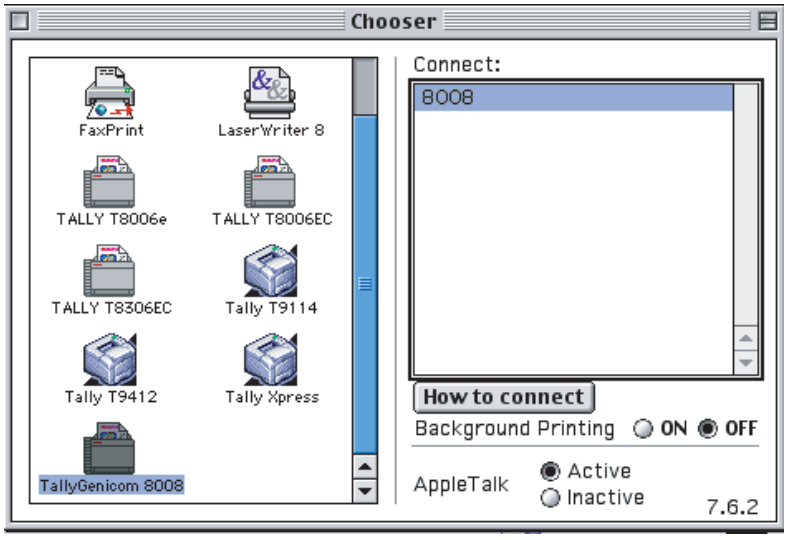


6. Click the **Restart** button.

7. Ensure that your printer is powered on and is connected to either an Ethernet or USB port. Once the system has restarted, select **File** and **Chooser**. Ensure that the chooser window displays the "TallyGenicom 8008" printer icon.



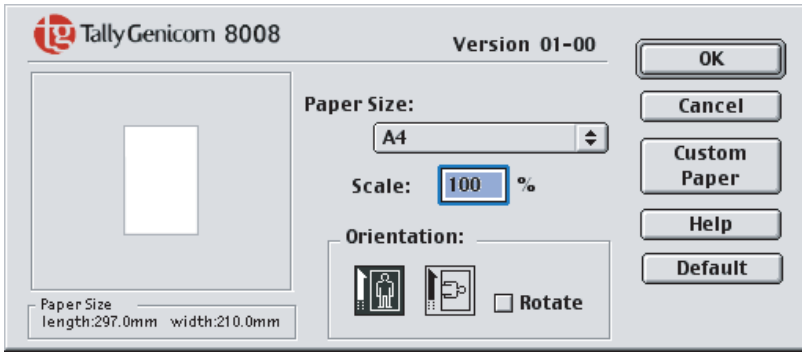
8. To connect using a USB connection select the **How to connect** button and change the connection to USB. The default connection is Appletalk.
9. Select the **USB** radio button and then click the **OK** button.
10. Click the **8008** and close the window.



5.5.3 Printer Function Settings

Within your application select **Page setup**.

The "Page Setup" is displayed. Select the required paper size, scaling and orientation.



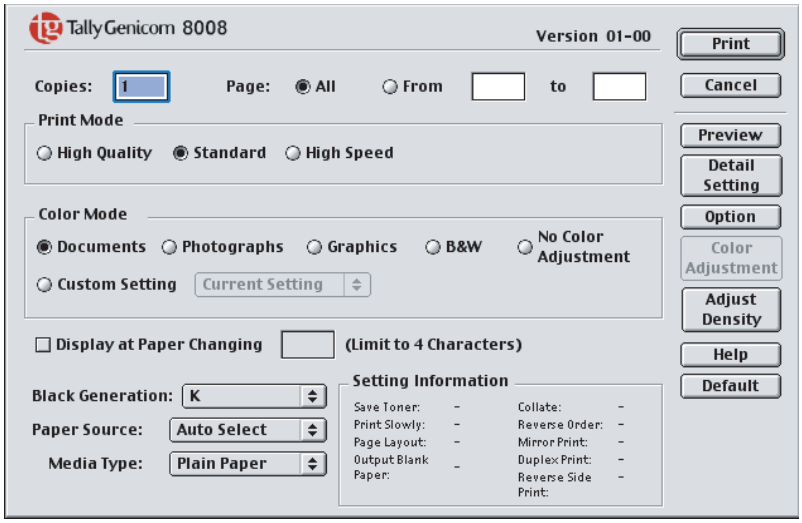
"Print" dialog box

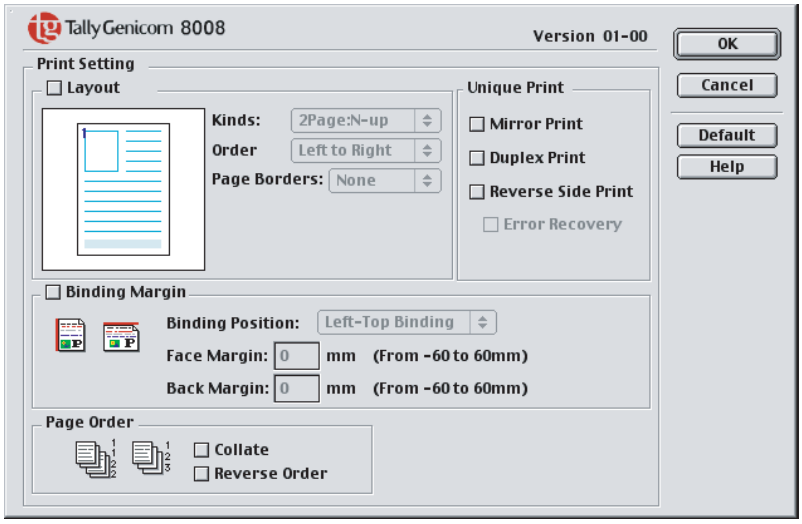
Having created your document select print from within your application.

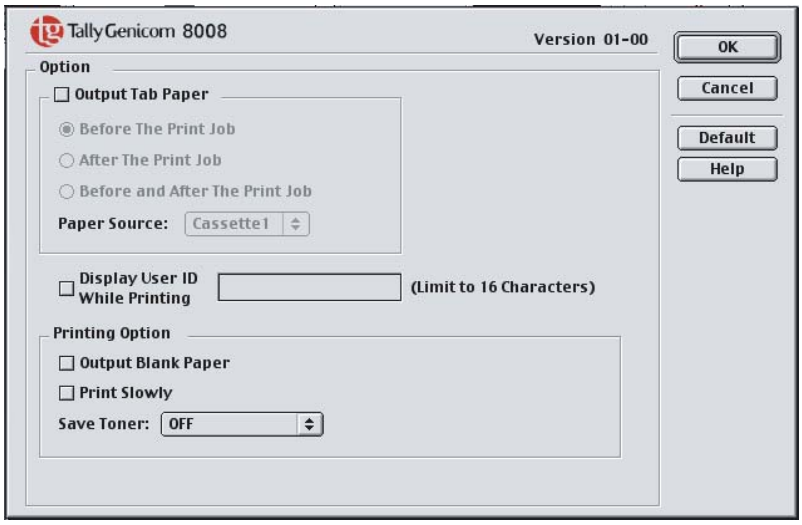
Procedure

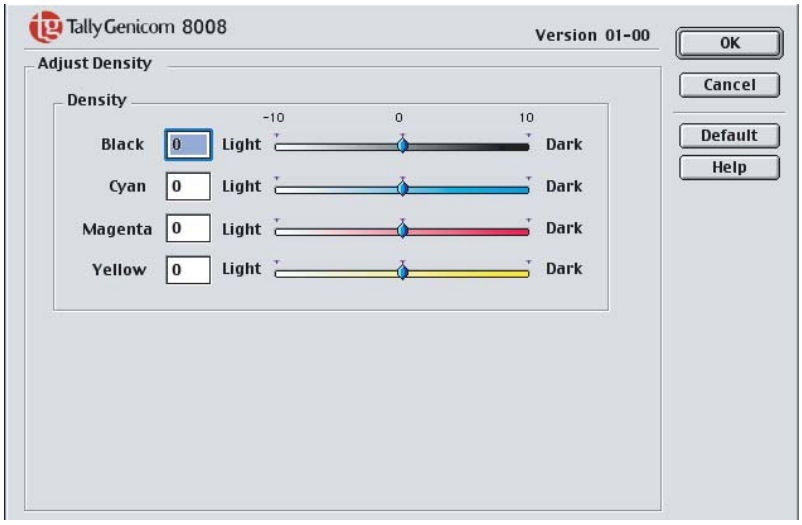
The print dialog box is displayed.

Choose your required settings in this box. Also if required change settings in the detailed setting, option and adjust Density boxes as shown below.







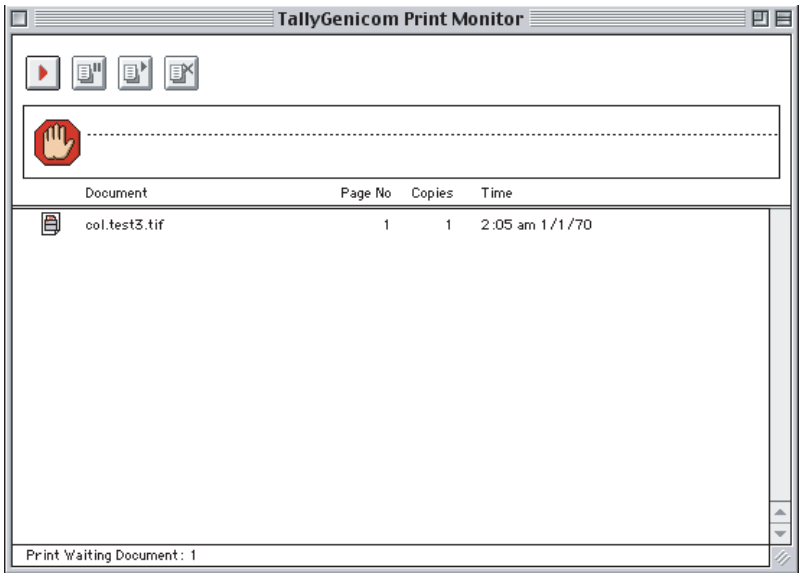


Note the color adjustment box is available only if you select the custom setting under color mode.

Print Monitor

If you select Background printing on from the original chooser Screen you can delete suspend, resume jobs using the TallyGenicom Print Monitor.

This is shown below.



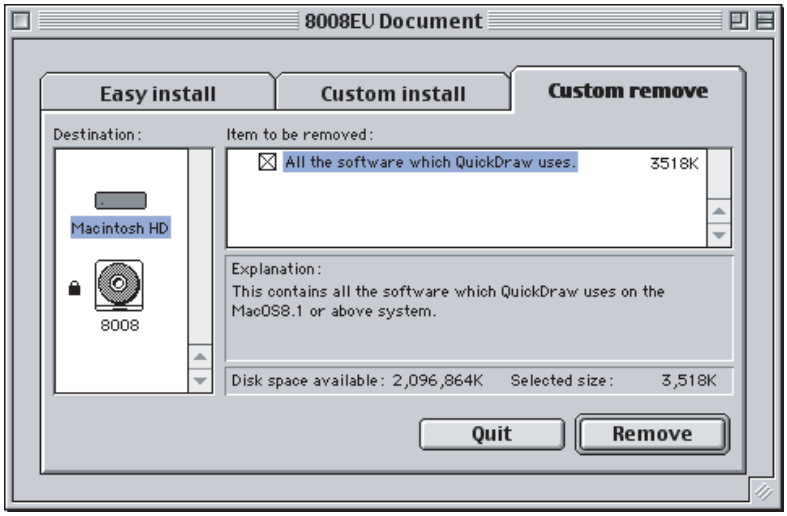
5.5.4 Uninstallation

If you upgrade or reinstall the printer drivers, you must uninstall the old printer drivers. Following the instructions below, uninstall the old versions and install the new versions.

Deleting automatically

Procedure

1. Exit the active applications.
2. Follow the install procedure as shown previously until you get to the screen shown below. Click the **Custom remove** tab and select the **All the software which QUICKDRAW uses** check box, and then click the **Remove** button.



3. Click the **Restart** button.

Deleting manually

Procedure

1. Exit any active applications.
2. Select the Macintosh Hard Drive, System Folder, Extensions.
3. Put the following files into the trash.
   - TallyGenicom 8008
   - TallyGenicom 8008 USB
   - TallyGenicom 8008EC Folder

   Delete the following also only If you are not using other Tally or TallyGenicom models eg T8006. If you delete these background printing may no longer be available on these models.

   - TallyGenicom Back Grounder
   - TallyGenicom PrintMonitor
4. Restart the system.
5. When the system is started, select "Special" and select "Empty Trash" to empty the trash.
6. Confirm that the printer icon "TallyGenicom Icon " has been deleted by selecting **File** – **Chooser**.

5.6 Printing from a Macintosh (OS X)

This section describes how to install and setup the 8008 printer drivers with Macintosh OS X computers.

5.6.1 System Environments

Use this printer driver with Macintosh in the following minimum system environment.

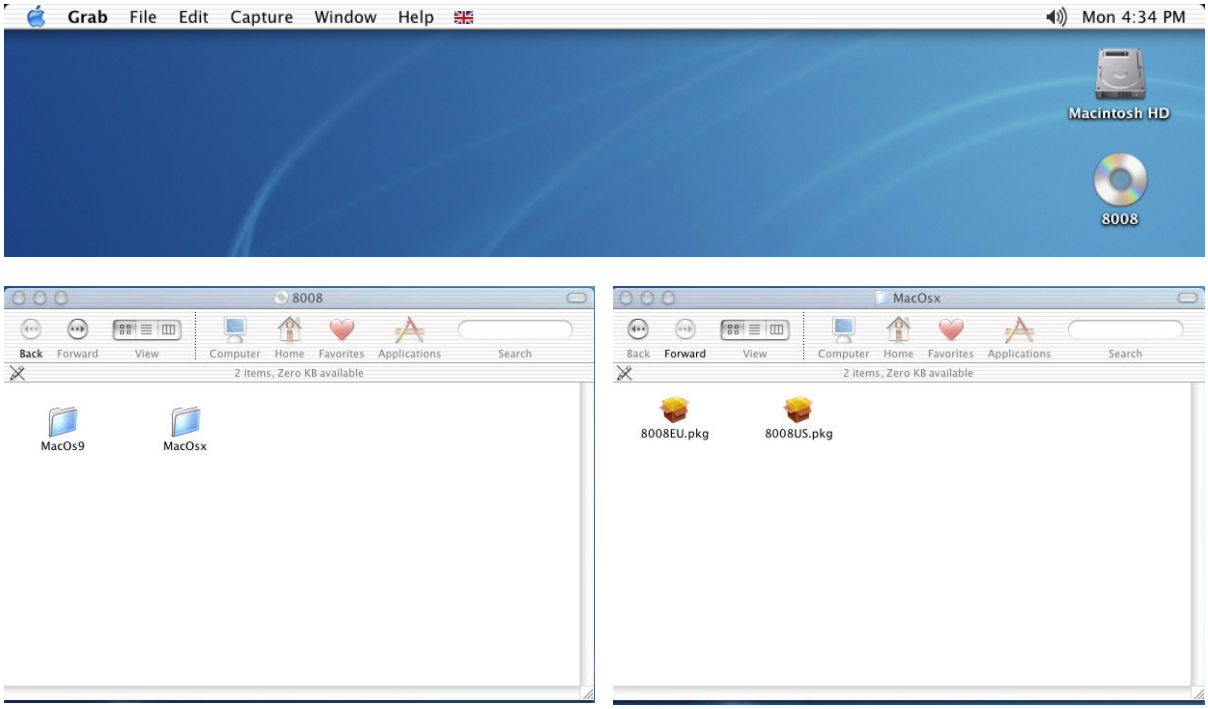
- Computer CPU: A Power PC loading model with Mac OS X.
- Connection: Apple Talk, Standard 100BASE-TX/10BASE-T Ethernet interface, USB
- Operating System: Minimum Mac OS 10.1.x (latest OS version is recommended), Mac OS 10.0.x
- Memory: 128MB or more
- Hard disk space: 100MB

5.6.2 Installation

Here, an installation using Mac OS 10.2 is shown. Other operating system versions may use slightly different screens but the principles of installation remain the same.

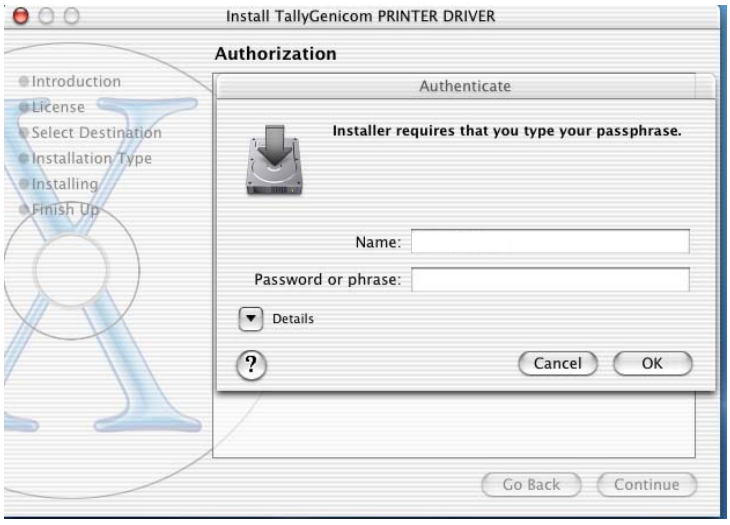
Procedure

1. Turn on your Macintosh, install the 8008 CD into the drive and select the MACOSX folder on the 8008 cd.



2. Double-click **8008EU.pkg** if you use A4 paper size or **8008US.pkg** if your normal paper size is letter. This will start the install process running.

3. An "Authenticate" screen is displayed. Type in your password and click the **OK** button.



Note: *An administrator password is required in order to install this software.*

4. The installation introduction screen is now displayed. Click the **Continue** button until the installation is completed.

5.6.3 Connection Method

A network or usb connection can now be established with the printer.

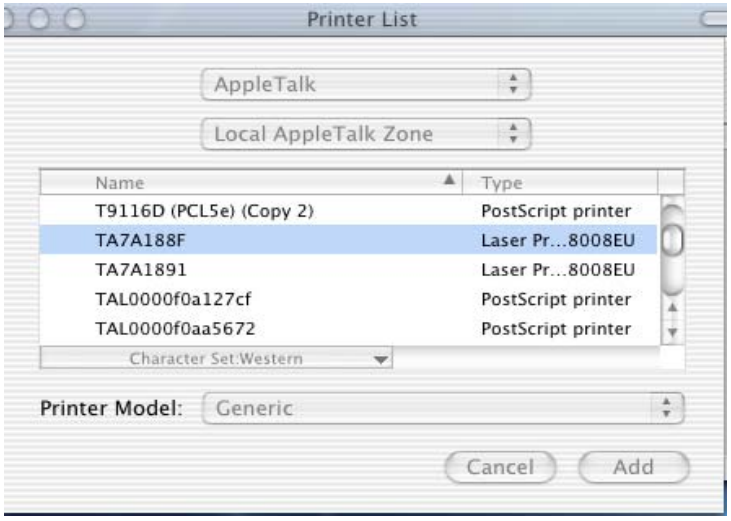
Network Connection

Procedure

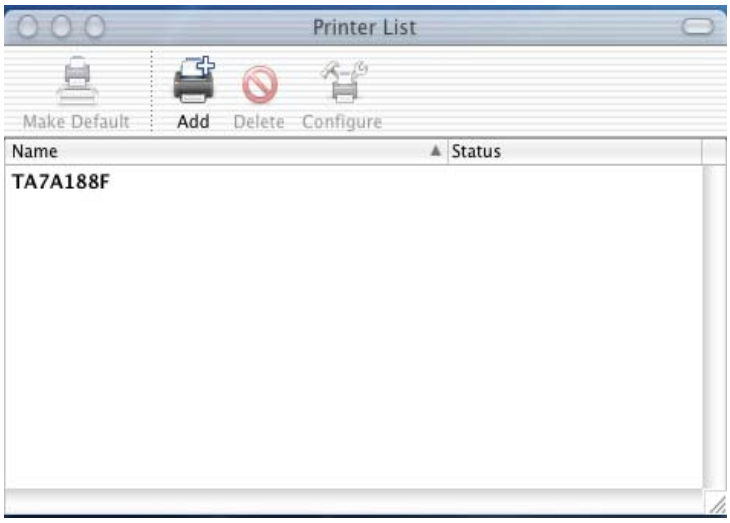
1. Ensure the printer is powered on and is connected to the network. Select **Macintosh HD** – **Application** – **Utilities** – **Print Center** or its shortcut if available on the desktop. This displays the screen below, click the **Add** icon.

Note: *The following message is displayed when there is no printer available. If this message is seen Click the* **Add** *button.*

2. Select **Apple Talk** and choose the required printer then select **Add**.



3. The selected printer is added to a printer list.



The installed printer is now available for use.

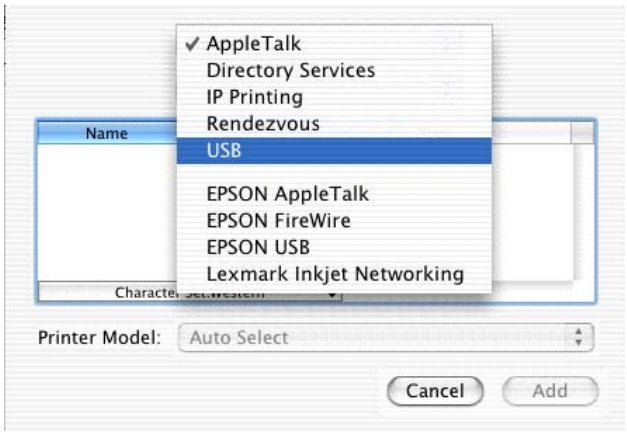
5.6.4 USB Connection Method

Procedure

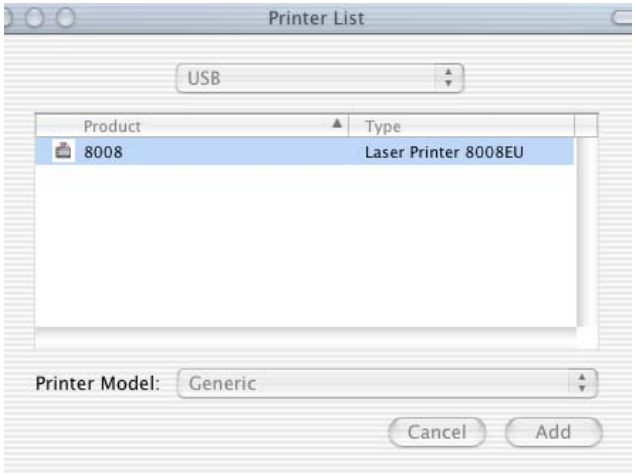
1. Ensure the printer is powered on and is connected to the system by a USB connection. Select **Macintosh HD** – **Application** – **Utilities** – **Print Center** or its shortcut if available on the desktop. Click the **Add** icon.

Note: *The following message is displayed when there is no printer which can be used. Click the* **Add** *button.*

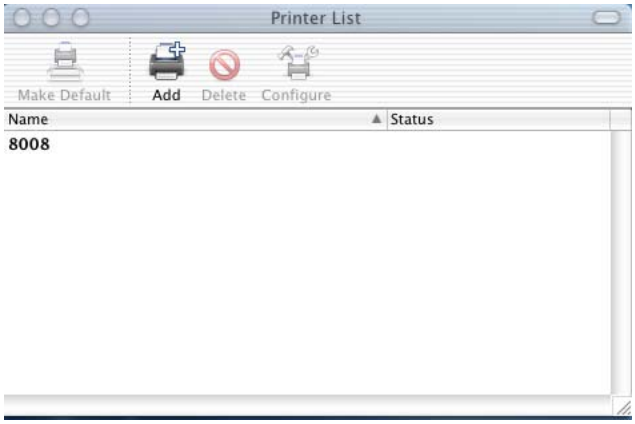
2. Choose **USB**.



3. Click on the **8008** seen on the screen. Then click the **Add** button.



The 8008 printer name is added to the printer list.



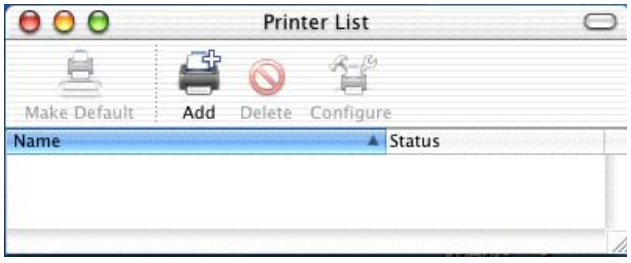
The 8008 printer has now been installed.

5.6.5 Driver removal

1. Stop all the applications which are running.
2. Delete all the “8008” printers within the print center.
3. Delete the following folders and packages.
   “8008EU” folder in “/Library/Printers/TallyGenicom/”.
   /“8008EU.pkg” file in “/Library/Recepits/”.

Note: *An administrator's authority is required for deletion of a folder. Moreover, please delete carefully not to delete other folders or files.*

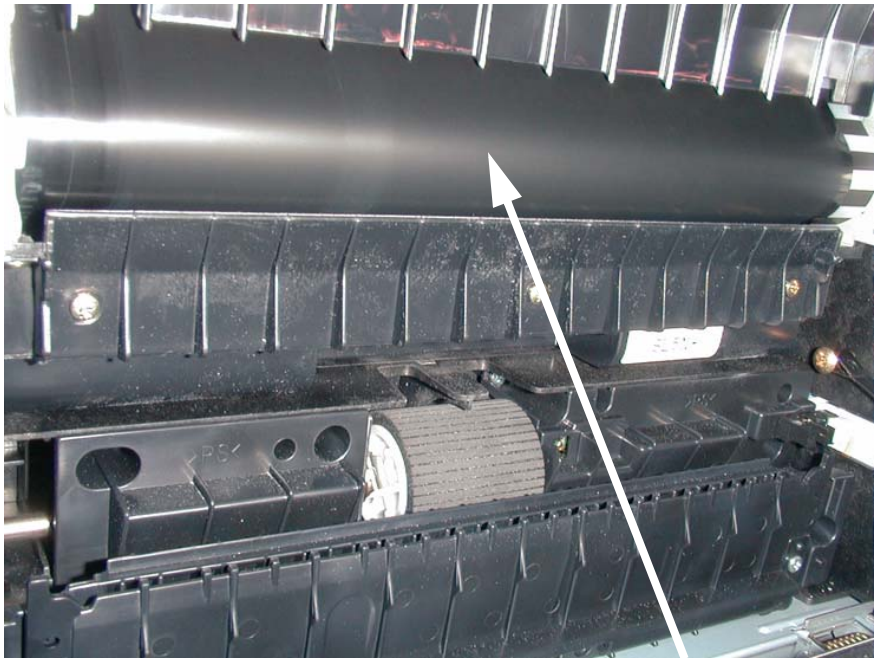
4. Restart the system.
5. After the computer restarts, choose **Finder**, **Empty Trash**.
6. Please choose **Print Center** and check that there are no 8008 printers shown.



Chapter 6
Troubleshooting and Maintenance

6.1	Printer Operator Messages	6-3
6.2	Media Jams	6-4
6.3	Actions on Print Quality Problems	6-18
6.4	Cleaning the printer to ensure good print quality and reliable media feed	6-25
6.5	Actions on Abnormal Printer Operation	6-43

Caution! *Reference is made throughout this chapter not to touch the transfer belt. This is shown below.*



It is important also that when handling the belt cartridge that the green belt is not touched. When it is outside of the printer it should be put down onto a flat surface so that it will not be damaged and paper must be put over it to ensure light cannot fall onto its surface.

6.1 Printer Operator Messages

Message	Description	Section
Check Toner (K/Y/M/C)	The black (K) yellow(Y),magenta (M) or Cyan (C) toner cartridges will soon need replacing. Please ensure that you have the required cartridges available or on order. Printing will continue for a while.	see Chapter 8.1, "Consumables"
Replace Toner (K/Y/M/C)	The black (K) yellow(Y),magenta (M) or cyan (C) toner cartridges need replacing in order to carry on printing. Replace the requested cartridges.	see Chapter 8.1, "Consumables" and 8.2.1, "Replacing the Toner Cartridge"
Set (K/Y/M/C) Toner CG	One or more of the black (K) yellow(Y),magenta (M) or cyan (C) toner cartridges is missing. Reinstall the missing cartridges.	–
Replace Belt CG	The belt cartridge needs replacing. Please order this part and replace. Printing will continue for a while.	see Chapter 8.1, "Consumables", and 8.2.2, "Replacing the Belt Cartridge"
Set Belt CG	The belt cartridge is missing. Please reinstall. Printing will stop.	–
Replace WT Pack	The waste toner pack is full. Printing will stop. Replace the toner pack	see Chapter 8.1, "Consumables" and 8.2.3, "Replacing the Waste Toner Pack"
Replace Fuser	The fuser needs replacing. Please order this part and replace. Printing will continue for a while.	see Chapter 8.1, "Consumables" and 8.2.4, "Replacing the Fuser Unit"

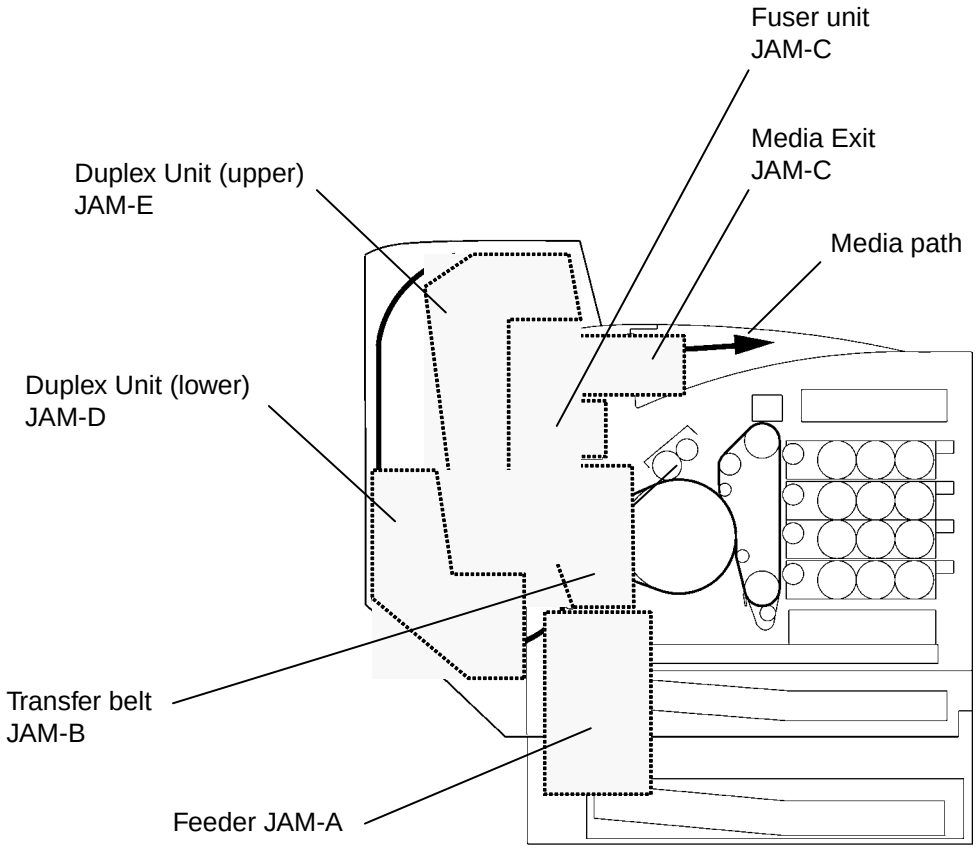
6.2 Media Jams

If a media jam occurs in the printer, the LCD message in the control panel displays the location of the jam. Take actions according to the message.

Notes on media removal

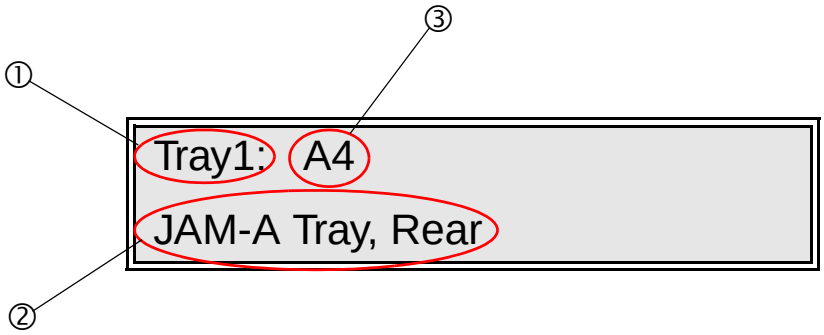
- You can resolve the media jam only by carefully drawing out the media in accordance with the correct procedure. Do not attempt to forcibly remove the media, which may cause failure of the printer.
- There may be two or more sheets of media that cause the jam. Ensure you remove all the sheets.
- Check that the removed media is not torn. If it is torn, fragments may still be left inside the printer. Remove all the media fragments as well.
- There may be cases when a few sheets of media remain inside the printer. In some circumstances, for example when a duplex unit has been fitted, it is possible to have several sheets in the printer at different locations at the same time. Please check that all media has been removed from the inside of the printer when clearing media jams.

6.2.1 Media Jam Locations



6.2.2 Determining Media Jam Locations by LCD Messages

When media jam has occurred, the LCD on the control panel shows a message. Determine the locations of the jam according to the message and diagram above.



① Input tray selected

② Size of the media in that paper tray

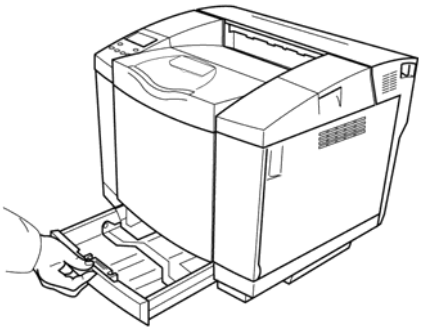
③ Location of the jam, and parts (tray and/or cover) to be removed and/or opened for resolving the jam

- "JAM-A Tray, Rear": A media jam has occurred between the feeder and the transfer belt. To resolve the jam, remove the paper tray and open the back cover of the printer.
- "JAM-B Rear": A media jam has occurred near the transfer belt. To resolve the jam, open the back cover of the printer.
- "JAM-C Rear": A media jam has occurred between the transfer belt and the fuser unit. To resolve the jam, open the back cover of the printer.
- "JAM-D Duplex": A media jam has occurred in the lower part of Duplex Unit. To resolve the jam, open the back cover and the duplex cover.
- "JAM-E Duplex": A media jam has occurred in the upper part of Duplex Unit. To resolve the jam, open the back cover, the duplex cover and inner paper guide.

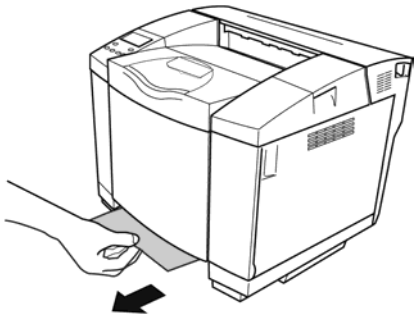
6.2.3 Removing Jams from the Printer

Removal Procedure for JAM-A

The procedure for resolving JAM-A instructs you, after removing the first jammed sheet, to search for more sheets. There may be cases when a few sheets of media remain inside the printer. In some circumstances, for example when a duplex unit has been fitted, it is possible to have several sheets in the printer at different locations at the same time.



1. Determine the target paper tray from the LCD message. Then, remove the paper tray.

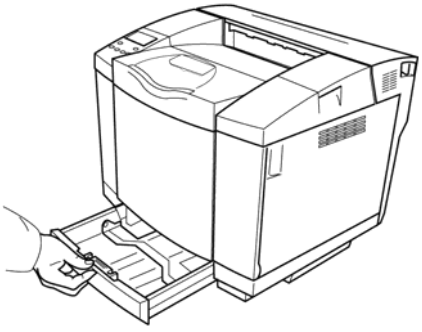


2. Carefully pull the jammed media toward yourself.

▶ Do not forcibly pull the media when it is not likely to come out.

▶ Look into the holder for the paper tray, and visually check out to see if any media or its fragments are left.

If you succeed in pulling out the media, go to step (3). If not, remove the media from the rear of the printer in accordance with removal procedure for JAM-B.



3. Make sure that the four corners of the media are set firmly in the paper tray. Then, put back the paper tray.

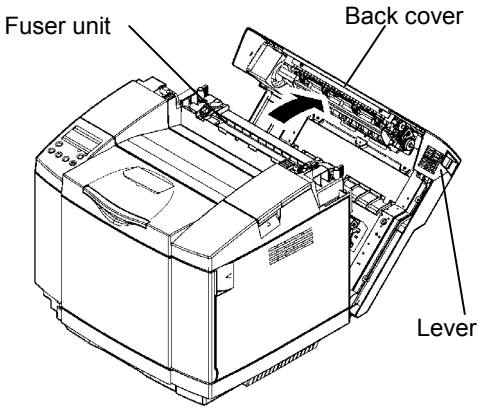
If JAM-A occurs often

If JAM-A occurs often, check out the cause and take necessary actions according to the table below.

Item	Possible cause	Action	Page
Paper tray	Too many sheets of media are loaded.	Limit the amount of media in the tray so it is below the sheet limit indication inside the tray.	3-6
	The media guide position does not match the media size.	Adjust the media guide position to match the media size.	3-6
Inside of the printer	The print media is stuck inside the printer.	Remove the stuck media.	6-6
	The print media remains behind the back cover or inside the media feeder cover.	Remove the media remains.	6-8
Media	The print media has become damp since it is left for a long period without being used.	Use media fresh from the package.	3-5
	Thin or thick media out of specifications has been used.	Use media that meets specifications.	3-4

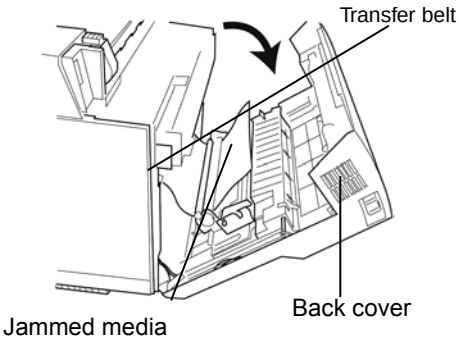
Removal Procedure for JAM-B

CAUTION! *During and immediately after printing, avoid touching the fuser unit and the area around it because they remain hot enough to cause burns. Turn off the printer and wait for 30 minutes or more. After the printer has fully cooled, remove the jammed media.*



1. Pull the lever on the Back cover to open it, hold it as it hinges back to be filly open.

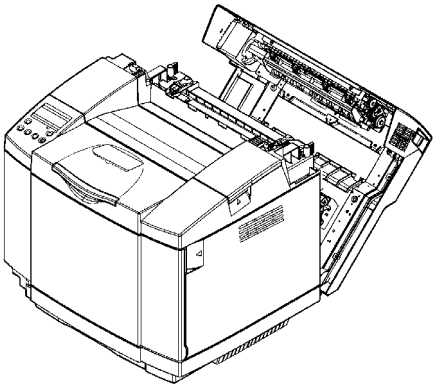
▶ **Keep the top cover fully open during this work.**



2. Remove the jammed media.

▶ **Toner is not fixed onto the paper. Pay attention not to soil your hands or clothes.**

▶ **Never touch the transfer belt. Otherwise, printing quality may be degraded.**



3. Support the back cover as you push it forward until it locks.

If JAM-B occurs often

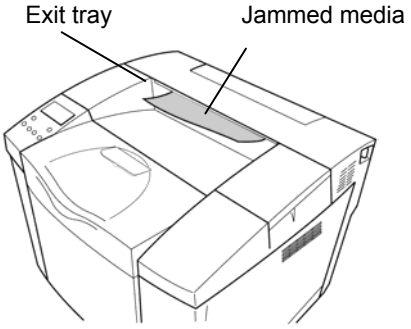
If JAM-B occurs often, check out the cause and take necessary actions according to the table below.

Item	Possible cause	Action	Page
Back cover	The back cover is not firmly shut.	Open the back cover and close it again.	–
Inside of the printer	There remains a jammed media.	Remove the remaining media.	6-8
Media	The print media has become damp since it is left for a long period without being used.	Use media fresh from the package.	3-5
	The edge of the media has been distorted.	Remove the edge-distorted media from the paper tray, or replace such media with new ones fresh from the package.	3-5
	The wire side of a two-sided paper is printed.	Load the paper with the felt side facing upward.	–
	Thin or thick media out of specifications has been used.	Use media that meets specifications.	3-4
Installation environment	The place around the printer is too hot.	Keep the printer away from heaters or office equipment generating heat.	2-6
	The printer is too cold.	Print after the printer becomes accustomed to the room temperature, particularly in winter.	2-6

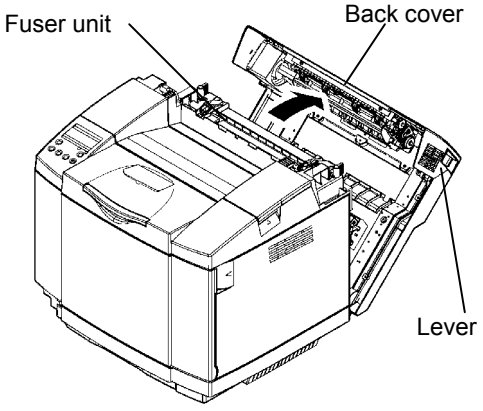
Removal Procedure for JAM-C

The procedure for resolving JAM-C instructs you, after removing the first jammed sheet, to search for more sheets. There may be cases when a few sheets of media remain inside the printer. In some circumstances, for example when a duplex unit has been fitted, it is possible to have several sheets in the printer at different locations at the same time.

CAUTION! *During and immediately after the printer's operation, avoid touching the fuser unit and the area around it because they remain hot enough to cause burns. Turn off the printer and wait for 30 minutes or more. After the printer has fully cooled, remove the jammed media.*

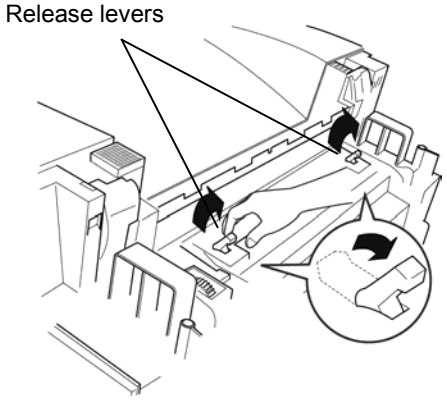


1. Carefully pull the jammed media toward yourself. If it comes easily carry on pulling to remove it completely. Otherwise, stop pulling as it may be torn.



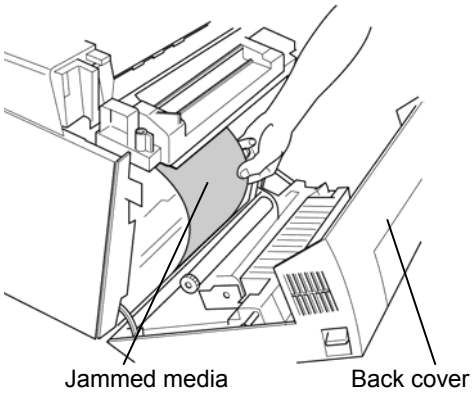
2. Pull the lever on the Back cover to unlock the back cover, and support it as the back cover hinges opens fully.

▶ **Keep the top cover fully open.**



3. Pull up the two green release levers.

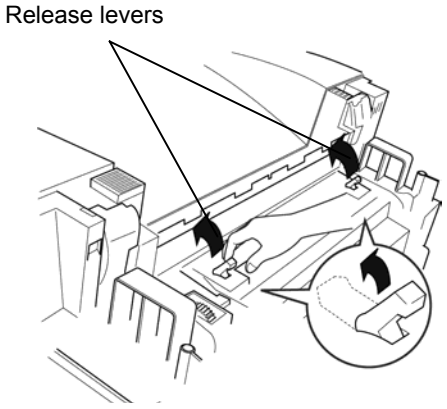
Do not attempt to pull up the jammed sheet yet. The toner which has not been fixed may adhere to the fuser unit, causing print quality problems.



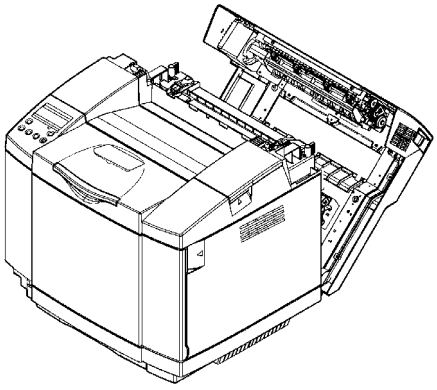
4. Remove the jammed media by pulling it down from the fuser unit.

▶ **The toner on the media is not fixed. Pay attention not to soil your hands and clothes.**

▶ **Do not touch the transfer belt. Otherwise, the print quality may be degraded.**



5. Return the two green release levers.



6. Close the back cover.

If JAM-C occurs often

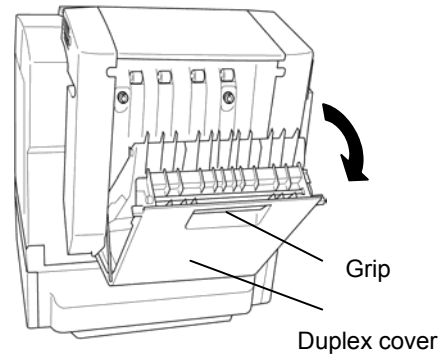
If JAM-C occurs often, check out the cause and take necessary actions according to the table below.

Item	Possible cause	Action	Page
Back cover	The back cover is not firmly shut.	Open the back cover and close it again.	–
Inside of the printer	There remains a jammed media.	Remove the remaining media.	6-10
Fuser unit	The media is stuck on the fuser roller.	Remove the media. Note a difference between the paper's grain (orientation of paper fiber) and the printer's feed direction may cause frequent jams. It is recommended to use portrait grain paper.	6-10, 3-5
Media	The print media has become damp since it is left for a long period without being used.	Use media fresh from the package.	3-5
	The edge of the media has been distorted.	Remove the edge-distorted media from the paper tray, or replace such media with new ones fresh from the package.	3-5
	The wire side of a two-sided paper is printed.	Load the paper with the felt side facing upward.	–
	Thin or thick media out of specifications has been used.	Use media that meets specifications.	3-4
Installation environment	The place around the printer is too hot.	Keep the printer away from heaters or office equipment generating heat.	2-6
	The printer is too cold.	Print after the printer becomes accustomed to the room temperature, particularly in winter.	2-6

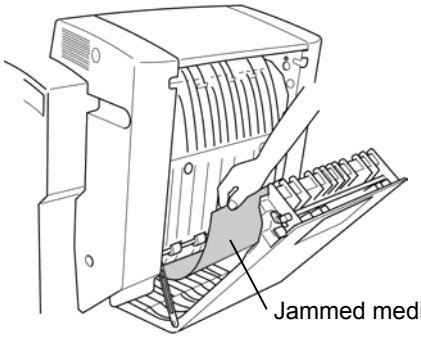
Removal Procedure for JAM-D

The procedure for resolving JAM-D instructs you, after removing the first jammed sheet, to search for more sheets. There may be cases when a few sheets of media remain inside the printer. In some circumstances, for example when a duplex unit has been fitted, it is possible to have several sheets in the printer at different locations at the same time.

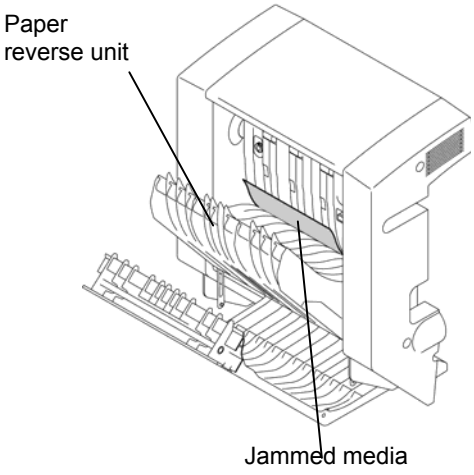
CAUTION! *During and immediately after the printer's operation, avoid touching the fuser unit and the area around it because they remain hot enough to cause burns. Turn off the printer and wait for 30 minutes or more. After the printer has fully cooled, remove the jammed media.*



1. Hold the grip of the duplex cover, and pull it backward to open.

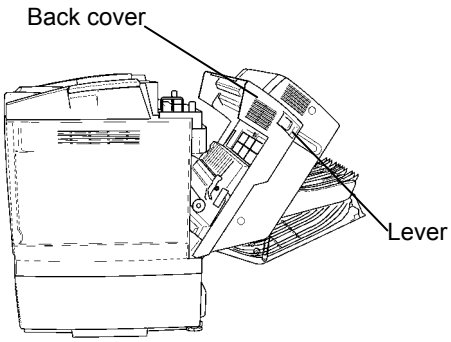


2. Carefully pull out the jammed media.

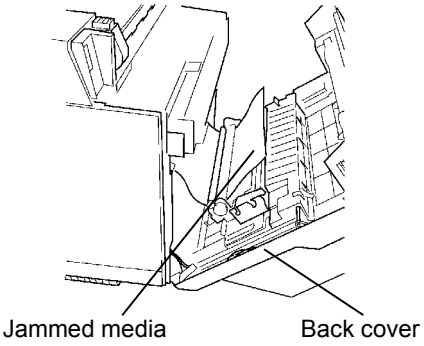


3. Pull the paper reverse unit and remove the jammed media.

▶ **Look into the opening and fully check that no media fragments are left in the bottom of the paper reverse unit.**



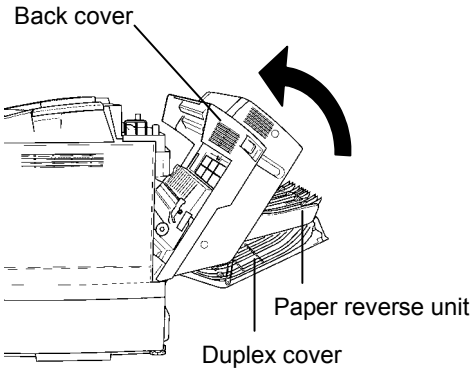
4. Pull the lever on the Back cover to unlock the back cover, and open the back cover supporting it until it has hinged fully back. Keep the back cover fully open.



5. Remove the jammed media.

▶ **The toner on the paper is not fixed. Pay attention not to soil your hands or clothes.**

▶ **Never touch the transfer Belt. Otherwise, printing quality may be degraded.**



6. Close the paper reverse unit and the duplex cover.
7. Close but still support the back cover until it locks into place.

If JAM-D occurs often

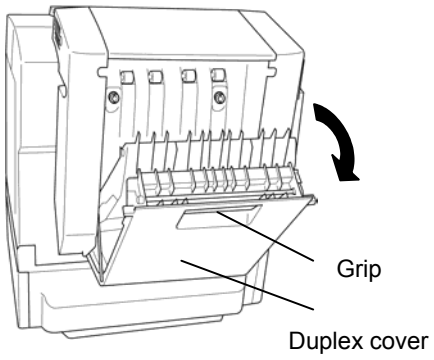
If JAM-D occurs often, check out the cause and take necessary actions according to the table below.

Item	Possible cause	Action	Page
Duplex cover	The duplex cover is not firmly shut.	Open the duplex cover and close it again.	–
	There remains a jammed media.	Remove the remaining media.	6-13
	There remains a jammed media deep in the duplex unit.	Open the paper reverse unit and remove the remaining media.	6-13
Media	Thick media out of specifications has been used.	Only use paper whose weight is 60-105g/m2 with the duplexer.	3-5
	Other media out of specifications has been used.	Use media that meets specifications.	3-5

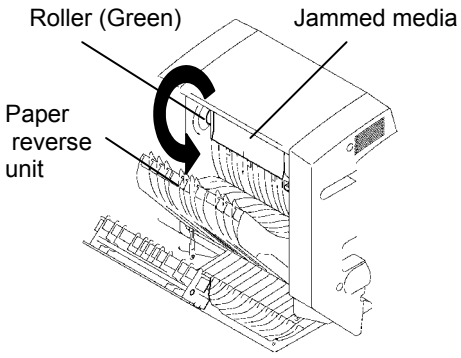
Removal Procedure for JAM-E

The procedure for resolving JAM-E instructs you, after removing the first jammed sheet, to search for more sheets. There may be cases when a few sheets of media remain inside the printer. In some circumstances, for example when a duplex unit has been fitted, it is possible to have several sheets in the printer at different locations at the same time.

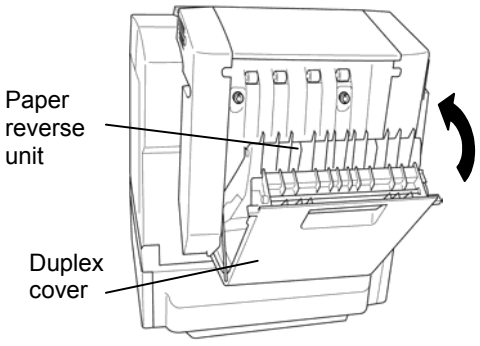
CAUTION! *During and immediately after the printer's operation, avoid touching the inside of duplex cover because it remains hot enough to cause burns. Turn off the printer and wait for 30 minutes or more. After the printer is fully cooled, remove the jammed media.*



1. Hold the grip of the duplex cover, and pull it back to open.



2. Pull the paper reverse unit.
3. Rotate the green wheel, at the upper left, and feed out the media remaining, if any, inside the duplex cover.



4. Close the paper reverse unit and the duplex cover.

If no jammed media can be found in steps (3):

Open the back cover according to the removal procedure for JAM-C, and find out the jammed media (Page 6-10).

If JAM-E occurs often

If JAM-D occurs often, check out the cause and take necessary actions according to the table below.

Item	Possible cause	Action	Page
Inside of the printer	There remains a jammed media.	Remove the remaining media.	6-10
Duplex cover	The duplex cover is not firmly shut.	Open the duplex cover and close it again.	–
	There remains a jammed media.	Remove the remaining media.	6-10
	There remains a jammed media inside the paper reverse unit.	Open the paper reverse unit and remove the remaining media.	6-16
Media	Thick media out of specifications has been used.	Only use paper whose weight is 60-105g/m2 with the duplexer.	3-5
	Other media out of specifications has been used.	Use media that meets specifications.	3-5

6.3 Actions on Print Quality Problems

Below are given some possible print problem and possible cures.

- Overall print is lighter than normal print, fill area on graphics show blank areas, white stripes appear in the printout, or small characters or hairlines do not print sharp.

Possible cause	Action	Page
A toner cartridge is becoming empty.	This symptom may occur when printing a large image. Replace the appropriate toner cartridge.	8-4
More than one sheet has been picked.	Print again.	–
The media is damaged or extremely dry.	Use new print media fresh from its package.	3-5
The media is not in compliance with the printer's specifications.	Use the media in compliance with the printer's specifications.	3-4
The media type specified on the printer driver is incorrect.	Change the media type setting to the correct one.	4-9 *
Save Toner is enabled on the printer driver.	Turn off Save Toner.	4-9 *
The print mode on the printer driver is set to Standard or High Speed.	Set the print mode to High Quality.	4-9 *
The original graphic image is light in itself.	Increase the density value on the printer driver.	4-9 *

* Also see "Chapter 5 Printer Driver".

- Projections are dark or blurry (OHP film or transparency).
  Toner has peeled off. (thick paper or label)
  Printout is too glossy. (Plain paper)

Possible cause	Action	Page
An incorrect media type is specified on the printer driver.	Match the media type with the print media.	4-9 *

- Printing is too dark, black stripes appear, the image or background is dirty, or black characters or lines are blurry.

Possible cause	Action	Page
The charging roller on the belt cartridge is dirty.	Clean the charging roller.	6-25
The photosensitive belt is damaged or deteriorated.	Replace the belt cartridge.	8-6
The printer contains jammed media.	Remove the jammed media.	6-4
The media is damp.	Use new print media fresh from its package.	3-4
The black color is generated from a mix of color toners.	On the printer driver, turn on Black Generation.	4-9 *
The original graphic image is thick in itself.	Decrease the density value on the printer driver.	4-9 *

* Also see "Chapter 5 Printer Driver".

- The non-printing side of the print media is dirty.

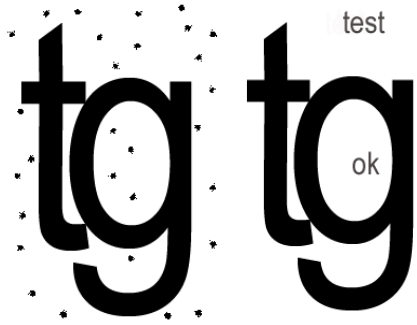
Possible cause	Action	Page
The inside of the printer was stained with the toner powder when you removed the jammed media.	Print several sheets to remove the toner powder.	–

- The overall print quality is poor, or images are printed significantly different from displayed colors.

Possible cause	Action	Page
The quality of print data is low.	Change the Color setting on the printer driver.	4-9 *

* Also see "Chapter 5 Printer Driver".

Example of incorrect print	Recommended Action
 White lines down the page.	If all colors are missing then clean the scanner glass as foreign particles have contaminated it. If the problem is with one color remove the developer and check if there is a matching missing line on the developer. If there is shake the cartridge from side to side and replace into the printer.
 Misregistration between the colors	Power the printer off. Remove and check the charging belt and reinstall. Power the printer back allowing it to perform a calibration.

Example of incorrect print	Recommended Action
No printout or one missing color	Check that the back cover is closed. Check that the transfer roller is installed correctly. If the problem is with one particular color check the contacts at the end are clean. Try replacing the cartridge.
 Random toner dropped or image repeated from previous page	Check that the cleaner for the Transfer belt is correctly positioned. Check that the cleaner cover is correctly in place. Check that the contacts at the end of the cleaner are clean using a dry lint free cloth. Clean the transfer belt cleaner and the area below with a dry lint free cloth.

Example of incorrect print	Recommended Action
Image can be rubbed off after coming out of printer.	Check that media is suitable. Check that the printer driver setting is suitable for the media. Check is plain paper shows the same problem. Check that fuser shipping parts have been removed.
Lines down the page	If the lines are from one color replace that developer. Check that there are no scratches on the belt cartridge. Check that there is no problem with the charge roller at the bottom of the belt cartridge.

Example of incorrect print	Recommended Action
 Regular spots down the page	Replace the matching toner cartridge.
 Streakes on right 5 cm from the right hand side and 1 cm wide.	This is caused by the printer being interrupted during a calibration. If it does not clear after a 5 pages. Check the transfer belt cleaning roller and cover. Clean the transfer roller with a lint free cloth.

Example of incorrect print	Recommended Action
Uneven density left and right	Check that printer is level. If the problem is related to one color remove that cartridge and shake it. Clean the end contacts on the cartridge. Replace the cartridge.
Regular uneven density down the page	Check the toner cartridges. Clean the toner cartridges end contacts. Check the transfer belt cleaning roller is correctly installed together with its cover. Check that the back door is fully closed. Check the fusing unit. Beware this unit is hot. Power the printer off for half an hour before inspecting. Check the transfer roller.

6.4 Cleaning the printer to ensure good print quality and reliable media feed

Note: *It is important when following this section to start at the beginning and read and follow it all the way through. Throughout this section it is recommended for users to only use a clean dry lint free cotton cloth to clean parts. Ensure that you do not breathe in toner particles when cleaning and if toner comes into contact with your skin or clothes clean off using cold water only.*
Engineers only may need to use special vacuum cleaners to clean certain parts more thoroughly. These cleaners have very fine filters which ensures that toner removed from the printer is not sent back into the air. Also when vacuum cleaners are used to clean certain parts eg the transfer belt cleaner high static chargers will be generated.

Note: *Ensure that the printer is powered off before cleaning.*

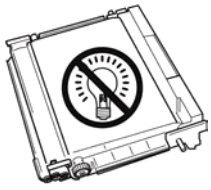
Print quality check list

Below are pictures which illustrate the items to check in order to maintain and produce good print quality. Use these together with the information given above.

If a sheet is printed with colored vertical stripes or color unevenness, clean the charging unit of the belt cartridge.

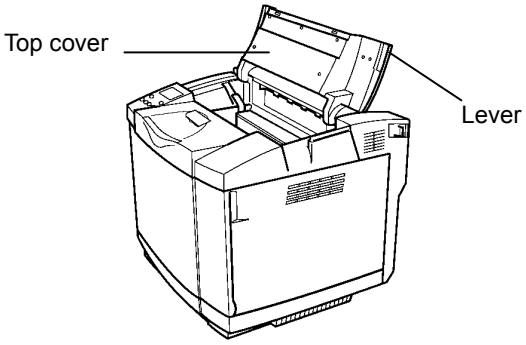
Notes on replacing the belt cartridge

- Do not touch the photosensitive belt.
- The photosensitive belt is very sensitive to light. If this belt is exposed to light of no less than 800 lux for no less than 2 minutes, it deteriorates, causing troubles in the images printed. Pay attention not to expose the belt cartridge to light wherever possible.

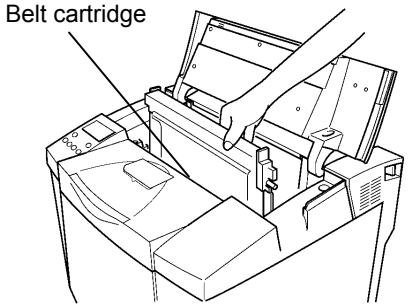


Cleaning procedure

- **Removing the belt cartridge**

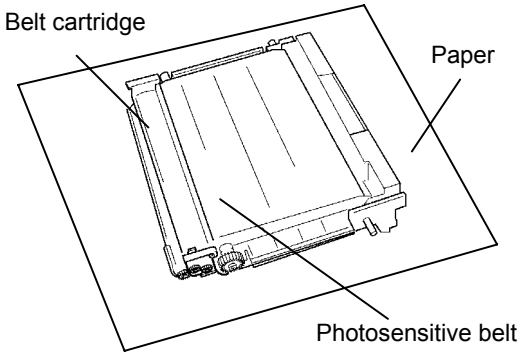


1. Turn off the printer.
2. Open the front cover and pull the 4 developers out about an inch. Open the top cover and leave it fully open throughout this work.

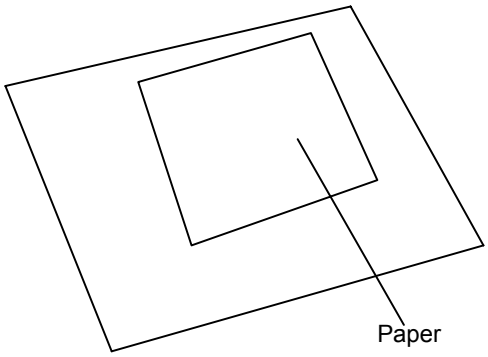


3. Push the 2 green levers in to the unlock position and carefully remove the belt cartridge.

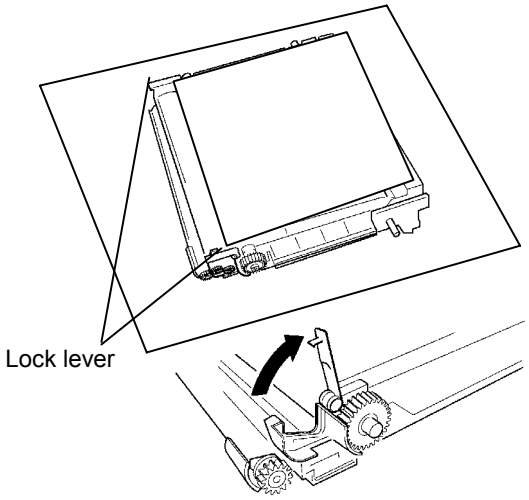
- **Cleaning the charging roller**



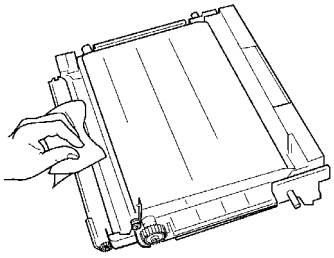
4. Put the belt cartridge onto clean paper with the photosensitive belt facing upward.



5. Put several clean sheets of paper over the photosensitive belt to protect it from light.

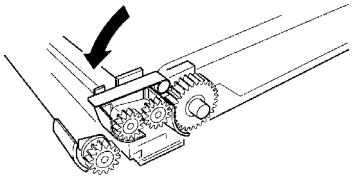


6. Release the two lock levers which secure the charging roller.



7. Pull up to remove the charging roller.
8. Clean the area below where the charging roller normally sits using dry lint free cotton cloth.

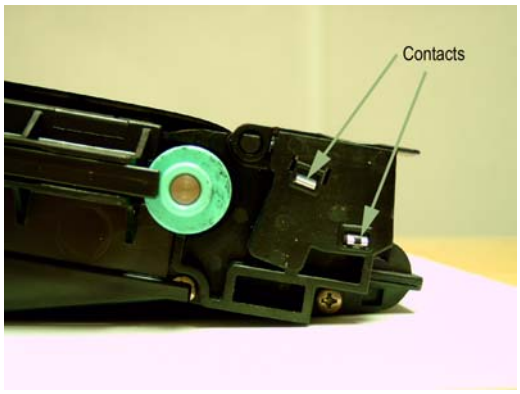
9. Clean the charging roller with dry lint free cotton cloth.

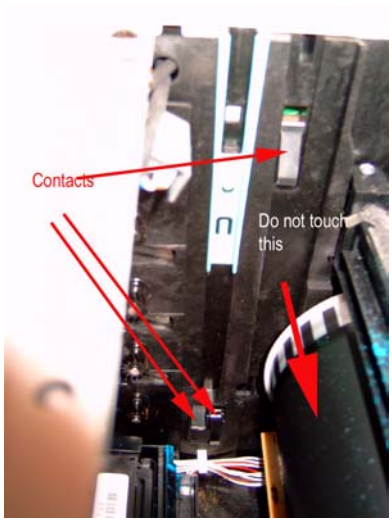


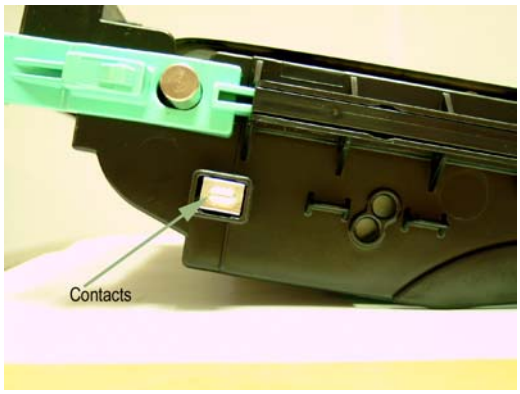
10. Re-install the charging roller.
11. Secure the charging roller using the lock levers.
12. If it is necessary to carry on cleaning other consumables of the scanner glass replace the paper over the belt cartridge. Otherwise jump to replacing the belt cartridge.

Cleaning the belt cartridge contacts

Clean the electrical contacts, as shown below, on the left hand side of both the printer and belt using a dry lint free cotton cloth.

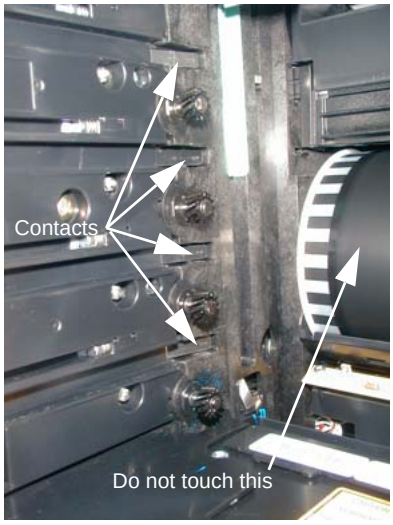


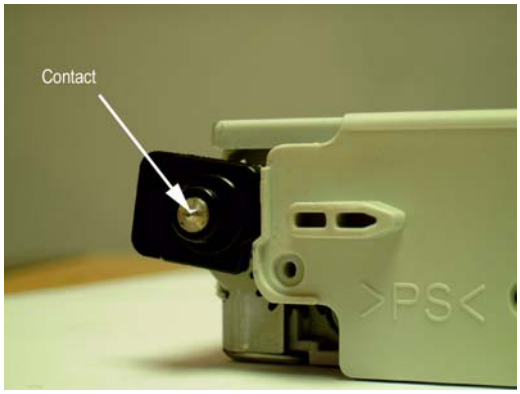




Cleaning the toner cartridge contacts

Clean the electrical contacts, as shown below, on the left hand side of both the printer and each toner cartridge using a dry lint free cotton cloth.





Cleaning the scanner glass, printer inside and transfer belt cleaning roller

If there are vertical white lines on all the colors down the page then it is likely that the laser windows has become contaminated with toner. If this is the case then it is possible that the inside of the printer needs cleaning. To do this follow the procedure below.

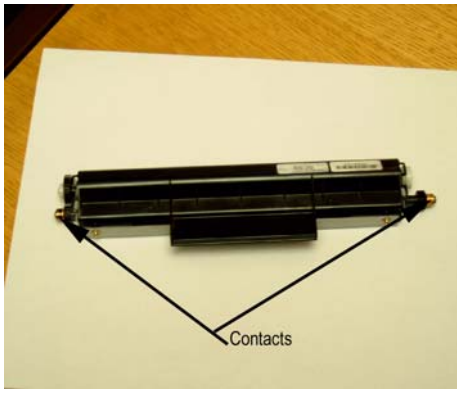
Cleaning the Transfer belt cleaning roller

- **Checking and removing the Transfer belt cleaning roller cover**

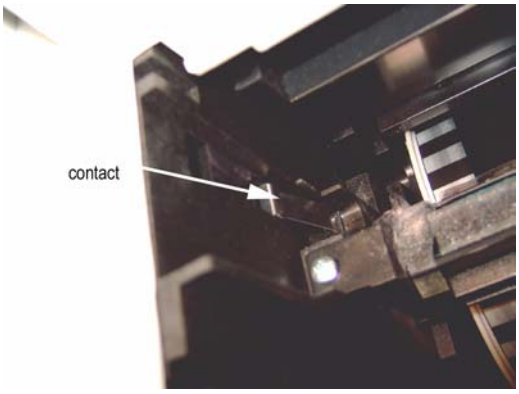
The transfer belt cleaning roller cover is shown below. Note that the cover is secured by the 2 clips you should not be able to lift the cover without bending the clips in the direction of the left and right arrows arrows. When you bend the clips in you should hear the cover unclip from both sides. Note. It is important also that they clip back into place when the cover is returned. Remove the cover. The left and right arrows are highlighted below. The front arrow advises which way to insert the cover.

- **Removing and cleaning the transfer belt cleaning roller and area below**

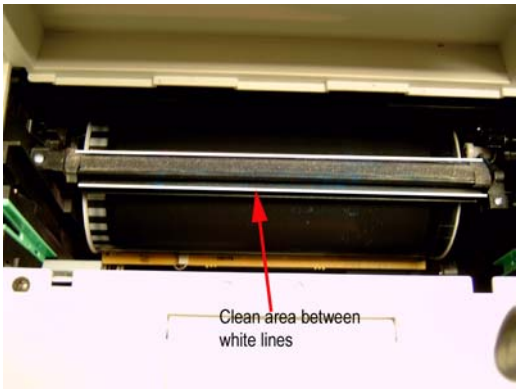
Next remove the transfer belt cleaning roller by holding the handle. Using a dry lint free cloth clean the contacts at the end. Clean the surface of the roller only if badly contaminated. Note do not breathe in any toner.



Clean the transfer belt cleaning roller contact on the left hand side of the printer using a dry lint free cloth.



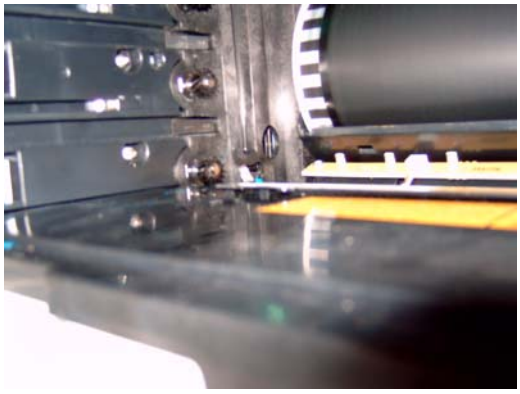
Clean the area below the transfer belt cleaning roller using a dry lint free cotton cloth. Be careful not to touch the transfer belt.



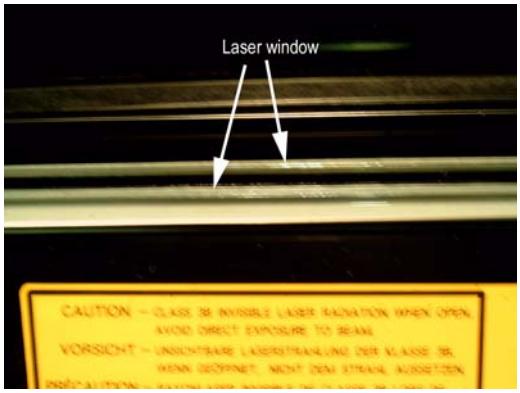
Clean the black laser cover using a dry lint free cotton cloth.

Cleaning the laser windows

Open the laser window cover.



Clean the along the laser windows with a dry lint free cloth.

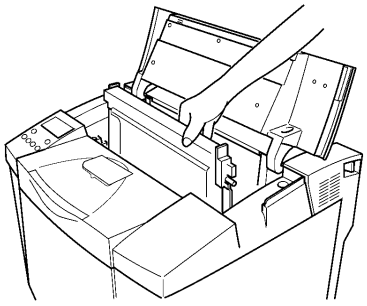


Close the laser window cover.

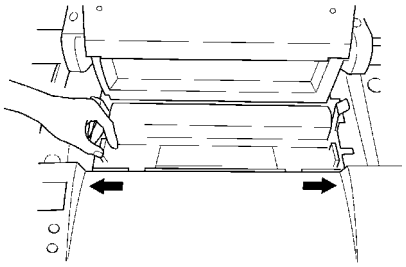
Re-insert the following:

- Transfer belt cleaning roller. The roller should be facing the front when you re-insert this unit. Ensure the end contacts on the cleaning roller match the slots on the printer and the drive gear on the right meshes with the printer's drive gear.
- Transfer belt cleaning roller cover. The arrow in the middle of the cover should point towards the back of the printer Ensure both sides are clipped into place

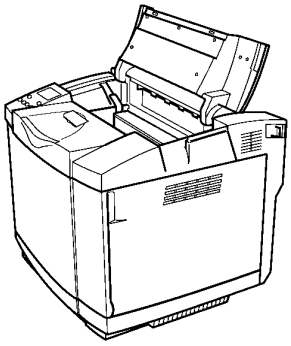
- **Replacing the Belt cartridge**



1. With the photosensitive belt facing front, slide the belt cartridge into the printer along the guide for the lock lever.

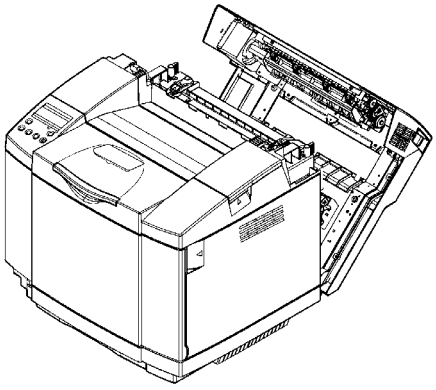


2. Pull the green levers out to lock the unit.

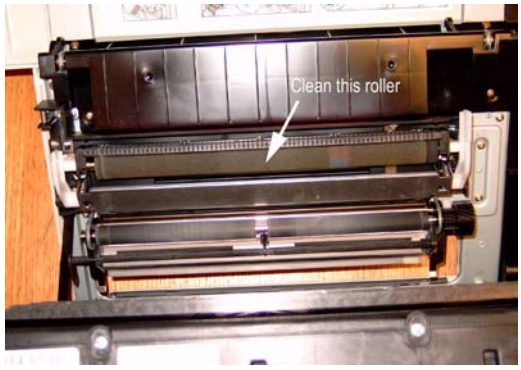


3. Close the top cover ensuring that you keep holding it until it locks into place: do not let the cover drop. Insert the toner cartridges. Close the front cover.

Cleaning the transfer roller

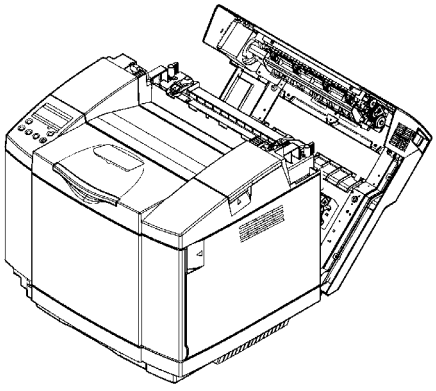


1. Remove the duplex unit if fitted to allow easier access.
2. Open the back cover.



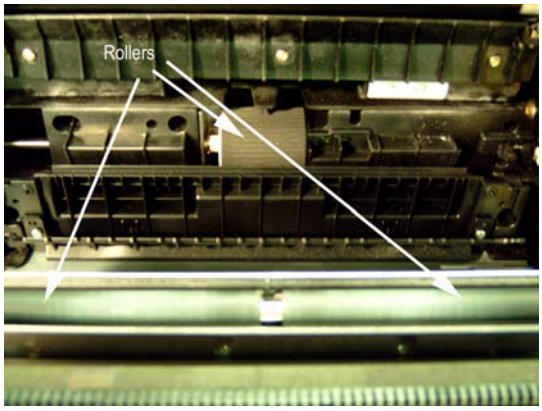
3. Clean the transfer roller by rotating it at the ends and cleaning along its length with a lint free dry cloth. Be careful of the plastic guide which sits onto of the roller. It has a serrated edge and there is a metal foil also just below also with a serrated edge.

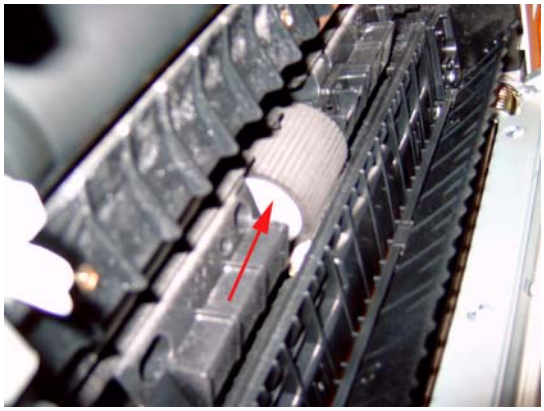
Cleaning for reliable media feed



1. Remove the duplex unit if fitted to allow easier access.
2. Open the back cover.
3. Remove the standard paper feeder cassette and if fitted remove the cassette from the optional feeder.

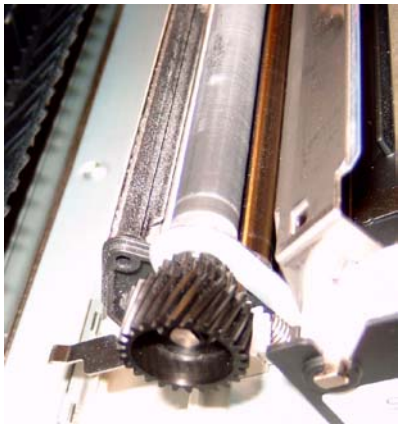
Cleaning Pick up roller (1)





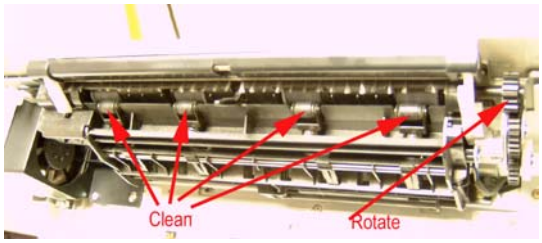
4. Clean the large diameter pickup, by rotating the white plastic roller on the left hand side of the roller and clean along its length with a lint free dry cloth.

Cleaning the registration roller



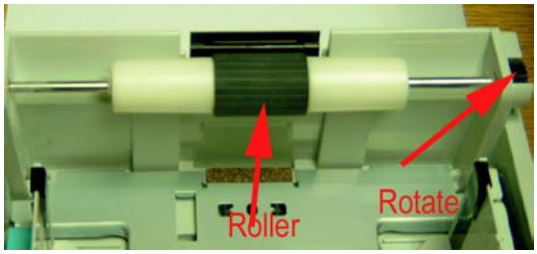
5. Clean the registration rollers by rotating the black gear on the left hand side of the roller and clean along its length with a lint free dry cloth.

Cleaning the paper exit rollers



6. Clean the 4 exit rollers in the upper part of the rear cover rotate the gear on the right hand side to allow cleaning of entire roller. Clean using a lint free dry cloth.

Cleaning Pick up roller (2)



7. Remove paper from the optional feeder. Rotate the gear on the right hand side and clean along the length of the pickup roller with a lint free dry cloth.

Adjusting Paper Feeder and Duplex Unit

Adjusting Left and Right Margins

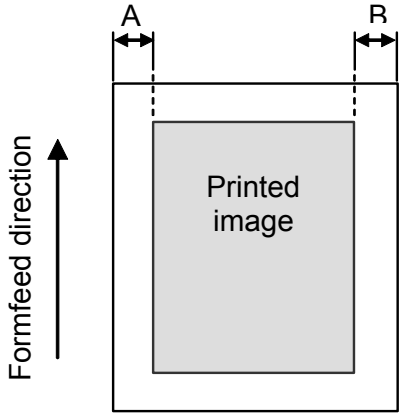
If the test printout is biased horizontally, adjust the left and right margins using the utility function of the control panel.

1. Perform test print (see Chapter 2.8.3, "Performing Test Print").

▶ If you intend to adjust the optional feeder (tray2), perform a test print in simplex print mode on plain paper fed from tray2.

▶ If you intend to adjust the Duplex Unit, perform test print in duplex print mode on plain paper fed from tray2 if fitted, having already completed the adjustment for tray2. If the optional feeder is not fitted then perform tests using tray 1 in duplex print mode on plain paper.

2. Measure left margin A (mm) and right margin B (mm) on the printed test pattern.



3. Determine the setting according to the table below.

B-A (mm)	-3.5	-3	-2.5	-2	-1.5	-1	-0.5	0	+0.5	+1	+1.5	+2	+2.5	+3	+3.5
Setting	-35	-30	-25	-20	-15	-10	-5	0	+5	+10	+15	+20	+25	+30	+35

4. Ensure that "Ready" is displayed on the LCD.

5. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.

6. Press MENU key. Keep pressing MENU key for three seconds. Utility Menu appears after Test menu appeared.

7. Press ENTER key. Clear Belt CG submenu appears.

Utility Menu Clear Belt CG

8. Press ◂ or ▸ key proper times to select the menu item as follows.

▶ When adjusting the left and right margins for tray2:

Utility Menu Tray2 Margin

▶ When adjusting the left and right margins for duplex print:

Utility Menu Duplex Margin

The subsequent explanation assumes adjustment for tray 2.

9. Press ENTER key, and the current setting appears.

Tray2 Margin 0

10. Press ◂ or ▸ key proper times until the target setting option appears.

Tray2 Margin -5

11. Press ENTER key to specify the selected option as the new setting for the printer, display new and old setting.

Tray2 Margin New: -5 Old: 0

12. Press ENTER key to save the selected option as the new setting for the printer.

Utility Menu Tray2 Margin

13. Press ONLINE key to terminate the menu operation and cause the printer to enter online mode.

Note: *The top margin is factory set to give best alignment. This setting can only be changed by an engineer.*
It is recommended not to print within a top and bottom margin of 1 cm when using the duplex unit.

Confirmation of correct margin positions

After you adjust the left and right margins according to the procedure above, confirm the adjustment according to the procedure below.

1. Perform test print again, and ensure that the left and right margins are roughly equal. (see Chapter 2.8.3, "Performing Test Print")

Actions lists when seeing incorrect formatting of printouts

- **Meaningless character strings are printed, or the printout crashes.**

Possible cause	Action	Page
You are using the printer driver for different printer.	Use the correct printer driver for this printer.	*
You have installed the printer driver for different OS.	Delete and re-install the printer driver for the OS in use.	*
The print data on the network has been deleted.	Print again.	–
You have clicked the Cancel button in the print window or closed the print window.	Printing has been canceled. Print again.	–
You are attempting to print a document with a huge amount of image data.	Print the document on a page by page basis. Alternatively, increase free space in the hard disk of the PC.	–
Tray X Load LTR	You only have available A4 paper. Press the formfeed key to allow the job to print. Change the application page set up from letter paper to A4.	–

* Also see "Chapter 5 Printer Driver".

- **Data is not completely printed out, the line break positions are incorrect, or the page is printed out in an incorrect orientation.**

Possible cause	Action	Page
The size of the print media does not match the page size of the document or the Print Size specified on the printer driver.	Load the media the size of which matches the page size of the document and the Print Size specified on the printer driver.	3-4 *
When creating a document, you selected another printer (printer driver).	Before printing, preview and check the document layout.	–

Possible cause	Action	Page
An error occurred on the PC or the network.	Resolve the error, and print again.	–
A printer time-out occurred.	In the menu on the printer's control panel, increase the time-out value. **Note:** *If you attempt to print a complex document, a time-out may occur in a few cases when the reception of print data exceeds the time-out setting.*	4-30
A processing time-out occurred in the local connection mode.	On the printer driver, increase the time-out value. **Note:** *If you attempt to print a complex document, a time-out may occur in a few cases when the sending of print data exceeds the time-out setting.*	*
The print data is printed without being spooled.	On the printer driver, specify spooling. **Note:** *If you attempt to print a document with a huge amount of image data, printing without spooling may occur in a few cases.*	*
N up with 4 page layout landscape is ignored.	The print out may normally come out in portrait mode. This is due to a Windows restriction.	–

* Also see "Chapter 5 Printer Driver".

- **Black and white (gray scale) images are printed in color.**
- **Color images are printed in black and white (gray scale).**

Possible cause	Action	Page
Incorrect color mode is set on the printer driver.	For black and white printing, Select the "Black & White " mode in the driver. For color printing, select an appropriate color driver mode.	*

* Also see "Chapter 5 Printer Driver".

Checking for new printer drivers

If you still have a problem it would be worth checking on the TallyGenicom web site to see if there are any later drivers available to try.

Loading new drivers

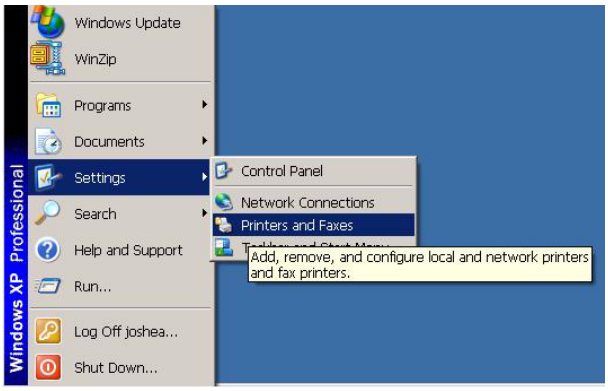
If new drivers are available it is important that the old drivers are removed first before the new drivers are added.

To uninstall the existing old printer driver, follow the procedure below.

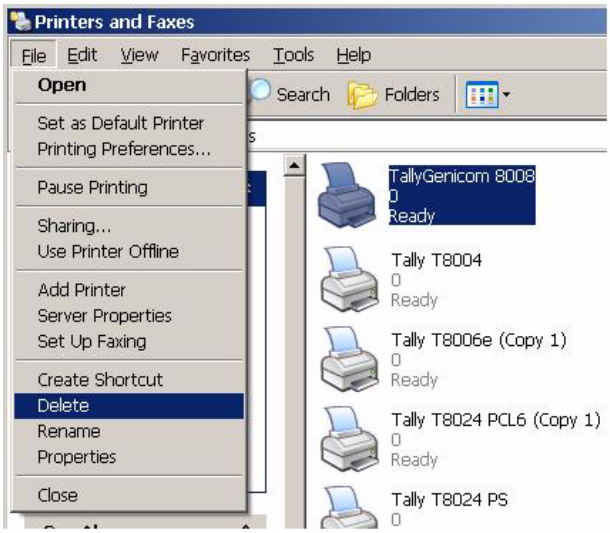
Note: *To remove the Windows NT 4.0, Windows 2000, Windows XP, and Windows Server 2003 printer driver you must be logged on as an administrator or equivalent.*

Procedure for removing printer drivers

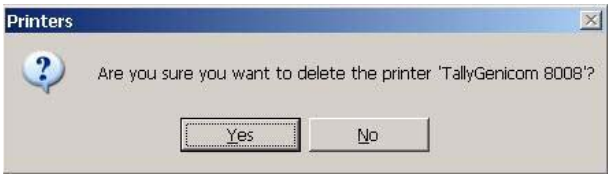
1. Ensure that you close all programs.



2. Select **Start**, **Settings**, **Printers** from the task bar.



3. Click the TallyGenicom 8008 printer to be uninstalled, select **File**, **Delete** from the menu bar.

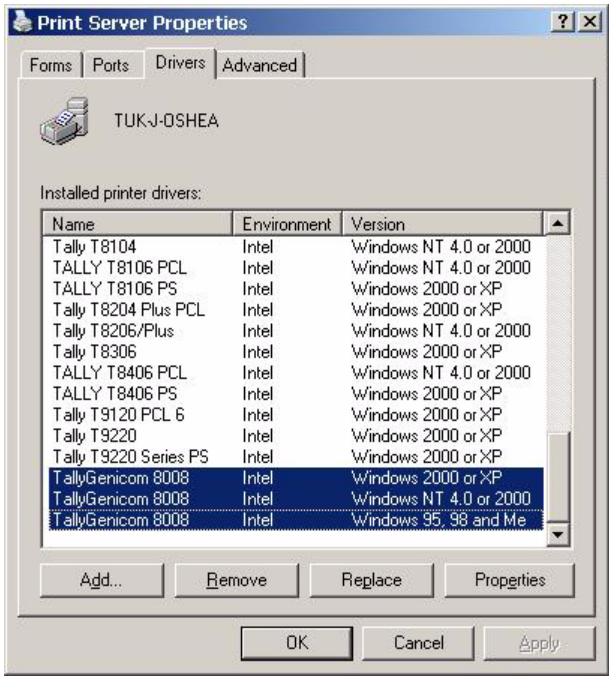


4. Click the **Yes** button to confirm the deletion.

5. If you are using Windows 9X\ME you will be asked to confirm that it is ok to delete some unnecessary files used for this printer. Click **Yes**.

6. In case of Windows XP, Windows 2000 or Windows Server 2003 only, the printer driver should be removed using server properties as well. This will completely remove the driver from the system. If this printer is shared from the system it will also allow those drivers to be deleted.

7. Select "File", "Server Properties" from the printer window.



8. Click the **Drivers** tab, click the **TallyGenicom 8008** driver. If the printer has been shared there may also be 8008 drivers for other systems loaded on as well. If this is the case shift and click these as well. Click the **Remove** button.

9. Click the **Yes** button to confirm you want to remove the drivers.

10. If you receive the following window this is normally because there is an application still open.

11. Close all applications and restart the computer. Go back into server properties driver highlight the "TallyGenicom 8008 " driver again and select the remove button.

Note: *If it is still not possible to remove the drivers or you want to check that they have been removed: Use Windows explorer and check that all the files used by the driver as printed on the test page have been removed. If not delete them.*

12. Add the new replacement TallyGenicom 8008 drivers

6.5 Actions on Abnormal Printer Operation

Take appropriate actions on printer troubles according to symptoms.

The printer is not fed power

Possible cause	Action	Page
The main power switch is not turned on.	Turn on the main power switch.	3-2
The power cord is not connected.	Connect the power cord.	2-17
The power cord is damaged.	Ask your dealer or service representative to replace the power cord.	–
The wall outlet is not supplied with electricity.	Check the circuit breaker and other switches so that the wall outlet is supplied with electricity.	–

Impossible to print

	Possible cause	Action	Page
Printer	The printer is in the status in which printing is not available (symptom: ERROR lamp on).	Take actions according to the LCD message on the printer's control panel.	4-3
	The printer is offline (symptom: ONLINE lamp off).	Press the ONLINE key to enter online mode. (The ONLINE lamp lights.)	4-2
	A printer time-out occurred.	In the menu on the printer's control panel, increase the time-out value.	4-30
PC	You are using the printer driver for a different printer.	Use the printer driver for this printer.	*
	You are attempting to print a document with a huge amount of image data.	Print the document on a page by page basis. Alternatively, increase free space in the hard disk of the PC.	–
Local connection	The USB cable is not connected.	Make sure that the USB cable is connected.	2-20
	The printer's control panel is set not to use the USB port.	In the Config menu on the printer's control panel, change the settings of Port and Priority.	9-23
	A processing time-out occurred on the PC.	Increase the time-out value on the printer driver.	*

* Also see "Chapter 5 Printer Driver".

Impossible to print (Cont'd)

	Possible cause	Action	Page
LAN connection	The LAN cable is not connected or it is damaged.	Check out the LAN cable.	**
	The network system is failing or in trouble.	Check out the LAN port settings on both the network system and the printer.	**

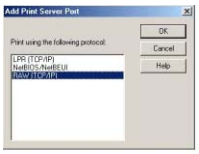
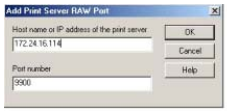
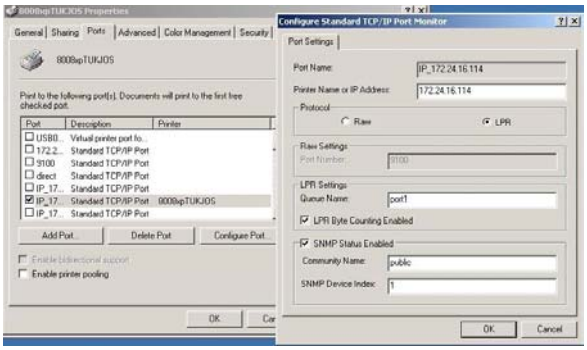
Printing is slow

	Possible cause	Action	Page
PC	On the printer driver, you have selected a media type other than plain paper.	Printing on a media other than plain paper takes twice or more times as long as printing on plain paper.	3-12, *
	The processing speed of the PC is slow.	Improve the CPU performance, memory capacity, and free disk space on the PC. **Note:** *Printing a document with a huge amount of image data may take much time.*	–
	On the printer driver, you have set the print mode to High Quality.	Set the print mode to Standard or High Speed.	*

* Also see "Chapter 5 Printer Driver".

General Network Printing problems

Possible cause	Action
Printer is set for USB only on printer's menu. Printer off line.	Change port to Net or Auto under printer's config menu. Ensure printer is on line.
No network leds are lit on printer's network connector.	Check that network cable is plugged into printer and hub. Check that hub or switch that printer is connected to has the corresponding link led lit. Try different Network speed settings on the printer's network menu.
Incorrect IP address (Windows)	Print a network config page and confirm IP address, subnet and gateway settings are correct and match printer driver port settings. You may need to check this you're your network manager. Can you ping the printer's IP address?

	If using Windows try another type of network connection type. For Windows 9X\ME,using the print monitor utility., try using a RAW as opposed to lpr connection.   If using Windows 2000\2003\XP try a LPR connection as opposed to the RAW port. 
Possible cause	**Action**
Are correct ports enabled for Windows.	Print a network config page. Is LPD, RAW Socket" 19:9100 "& RAW "Socket 19:9900" enabled? If not use a web browser to enable the correct port.
If using Macintosh system printer will work only with Appletalk. It will not work with IP printing.	Ensure Appletalk is enabled on printer's network config page. Check system is configured to use Appletalk to print.

Chapter 7
Network Management

7.1 Overview 7-2

7.2 Discover Utility 7-4

7.3 Managing Configuration Settings with the Web Page Interface 7-7

7.1 Overview

7.1.1 Network Interface

The printer includes a CSMA/CD interface supporting 10BASE-T half-duplex/ 100BASE-TX half-duplex with automatic negotiation or manual selection of network speed.

Supported Printing Protocol

TCP/IP	LPD(LPR/LPQ/LPRM), FTP, rawTCP (Port 9100, selectable port(default:9900)), IPP1.0/1.1 are available.
Apple EtherTalk	Using the selection of the printer by Chooser.

Supported Management Protocol

Remote Network Management

SNMP	MIB II, portions of Printer MIB, Enterprise MIB are available
HTTP	The printer status/ condition can be seen by a Web browser. Various networking and the printer operation parameters can also be changed by the Web browser.
SMTP	Allows E-mail notification of the printer error status.

Supported IP Configuration Protocol

DHCP/BOOTP	When the Network Setting is set as the "Dynamic", the printer can get the IP address from a DHCP/BOOTP server.
	Note: IP address can also be set from web page and operator panel as a static address.
WINS	Registration of the NetBIOS name and IP address into a Windows Name Server.
DDNS	Supports Dynamic DNS when a DNS Server is available with the registration of the Hostname and the printers IP Adress.

Supported Printing Protocol

Operating System		Used protocol	Comments
Windows	Windows98, WindowsME	TCP/IP	Peer To Peer printing, (LPR utility, RawTCP utility)
	WindowsNT	TCP/IP	LPR port, HP IPP port
	Windows2000, 2003, WindowsXP	TCP/IP	Standard TCP/IP port, LPR port, IPP
Mac OS	System 9.x, 10.1,10.2(Classic, Native)	Apple EtherTalk	PAP

7.2 Discover Utility

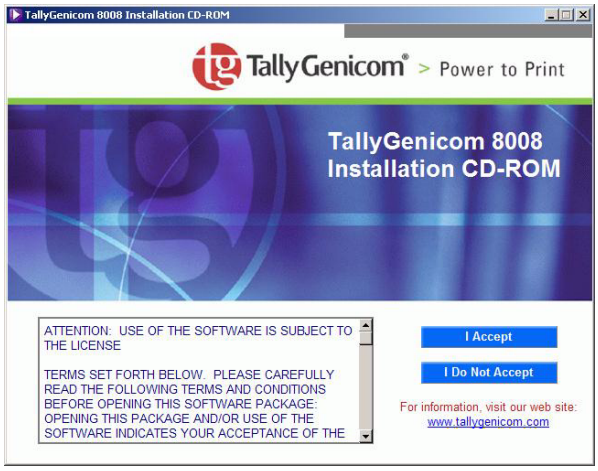
Discover allows the discovery of all 8008 connected to a network. The printers have to be powered on and have a valid IP address for the network. It is particularly useful in large organizations where a network administrator can run this tool to see any new 8008 printers have been added.

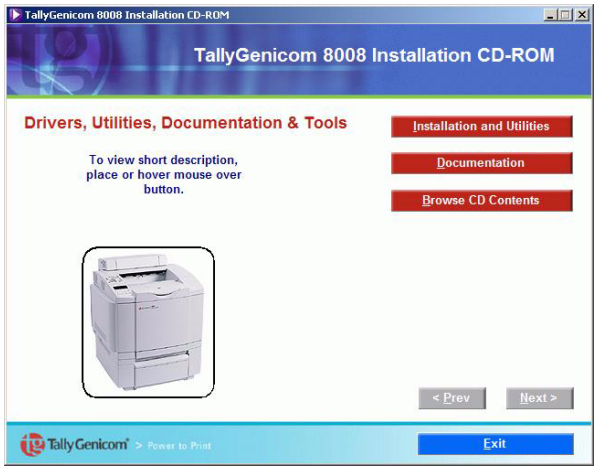
Once having discovered the printers IP address other tools eg. Webpage, JetAdmin email etc can be used to administer the 8008 printers.

Once installed select start program discover configure to specify number of routers the search should go through. This is shown below.

7.2.1 Install Discover Utility

1. Place the 8008 "Autorun " CD into a drive.





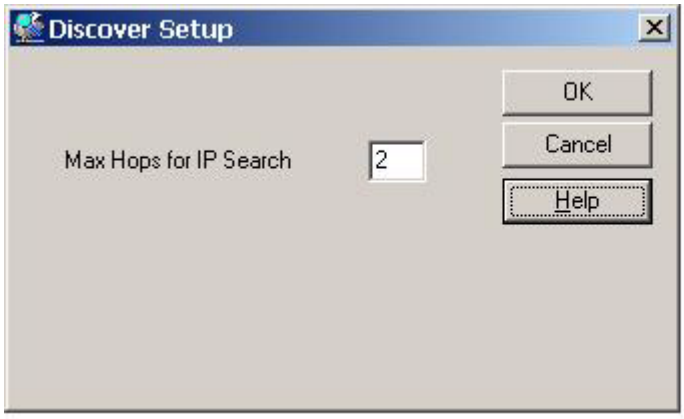
2. Click "**I accept**", Click **Installation and Utilities**, Double click **Discover Network**.

If the CD will not autorun then select the cd in explorer right click it and select Explore.
Go to networkutilities\discover1_04 and double click on the setup.exe file.

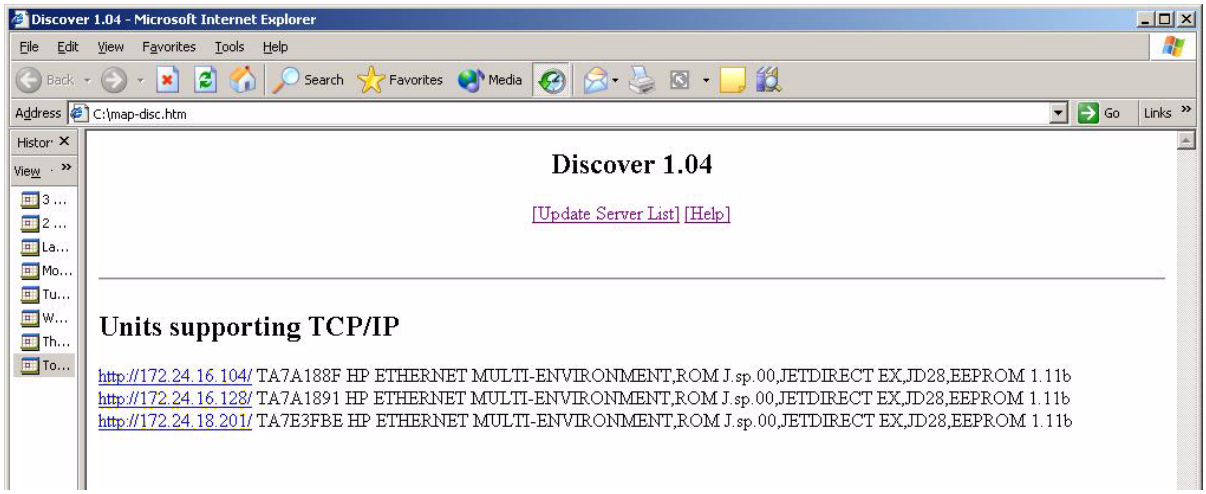
3. Click **Next** until the installation is completed.

Starting Discover and finding printers

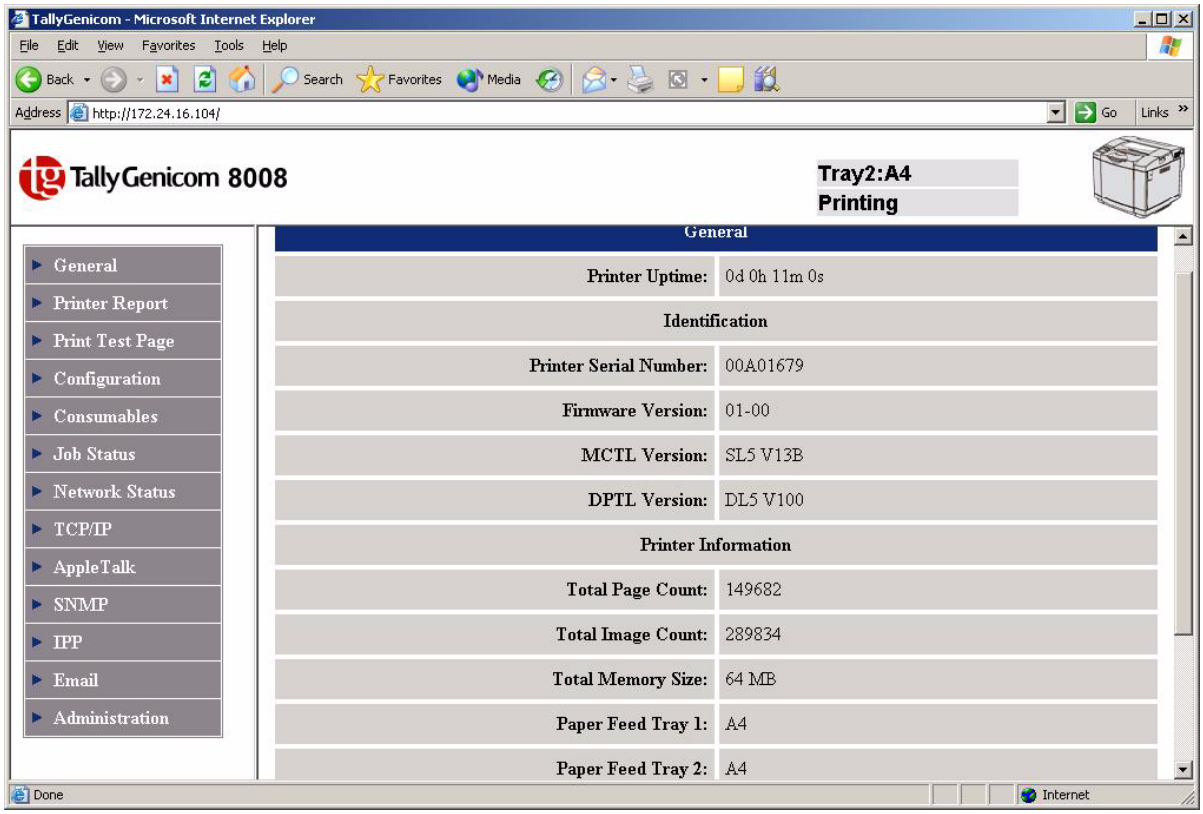
1. From the Start button, select **Programs** – **Discover** and then click **Discover**.



2. Configure will allow number of routers search can go throught to be set up. Then Discover starts searching the printer on the Network.



3. The browser that shows the Printers IP addresses on the Network is opened. Select the IP address of the printer



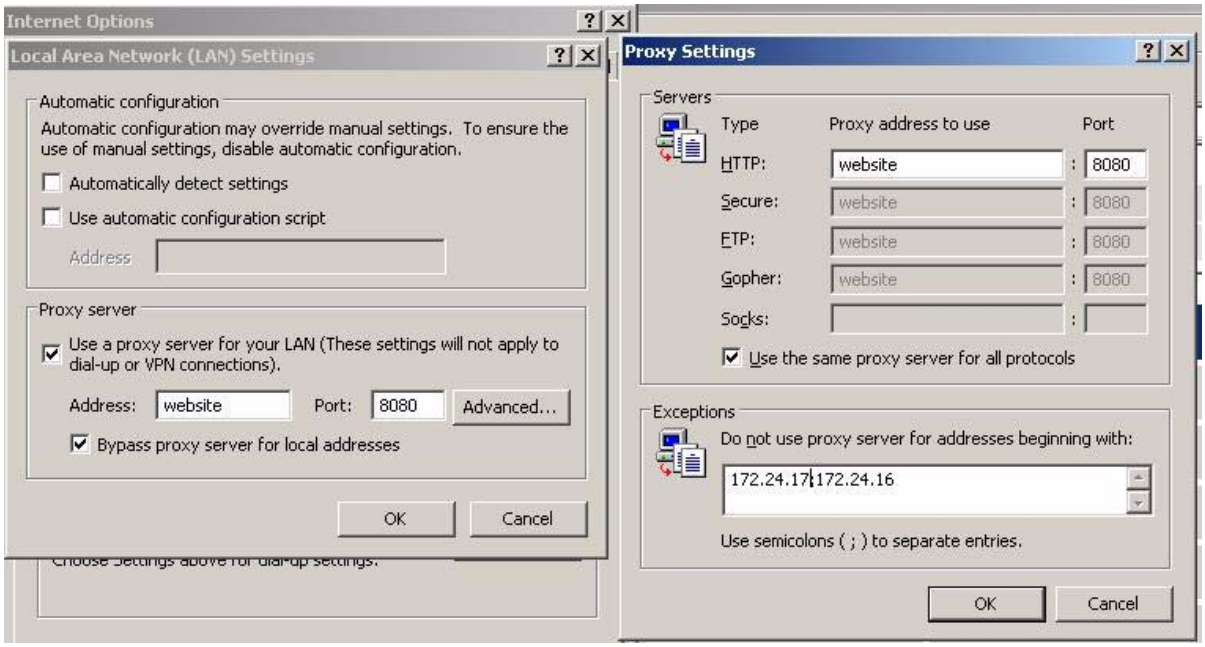
4. Click the displayed IP address in the browser; you can open the Web Page of the printer.

7.3 Managing Configuration Settings with the Web Page Interface

You can use the Web server to configure the network setting of the printer from your own computer. Before you can use a Web browser to configure the printer's network settings, the printer must have a valid IP address for use on your network.

To use the web interface you will have to ensure that the web browser considers the printer IP addresses as internal. To set this you may have to do some changes to your web browser. Your network administrator will be able to help with this ir required.

An example of a required change using internet Explorer is shown below where the printer IP addresses are in the range 172.24.16.X or 172.24.17.X.

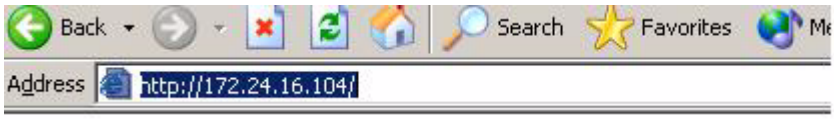


Password for the 8008 webpage

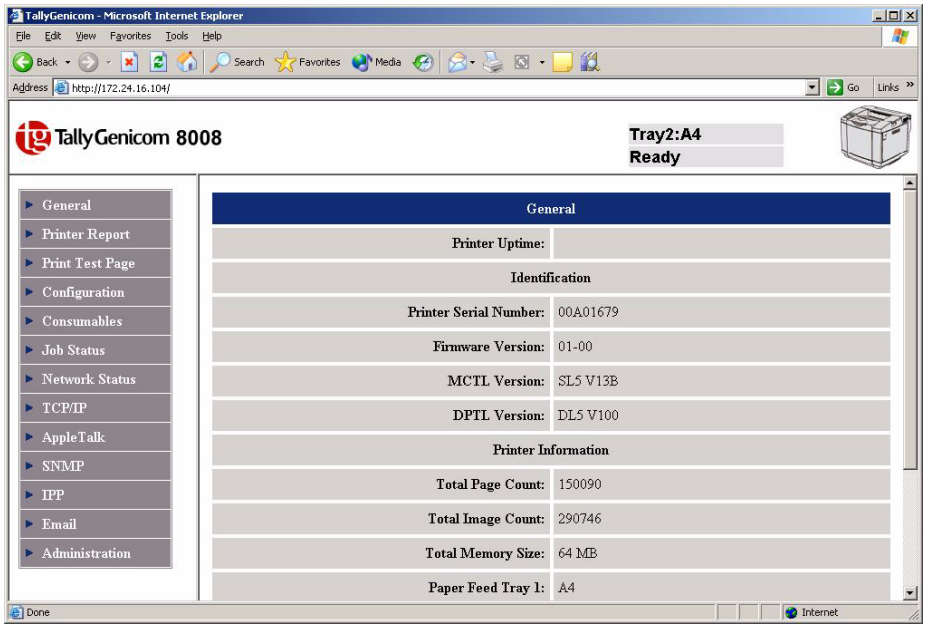
The default password in order to complete changes to the 8008 using the Web Page is "sysadm".

7.3.1 Managing Basic Network Operations with the Web Interface

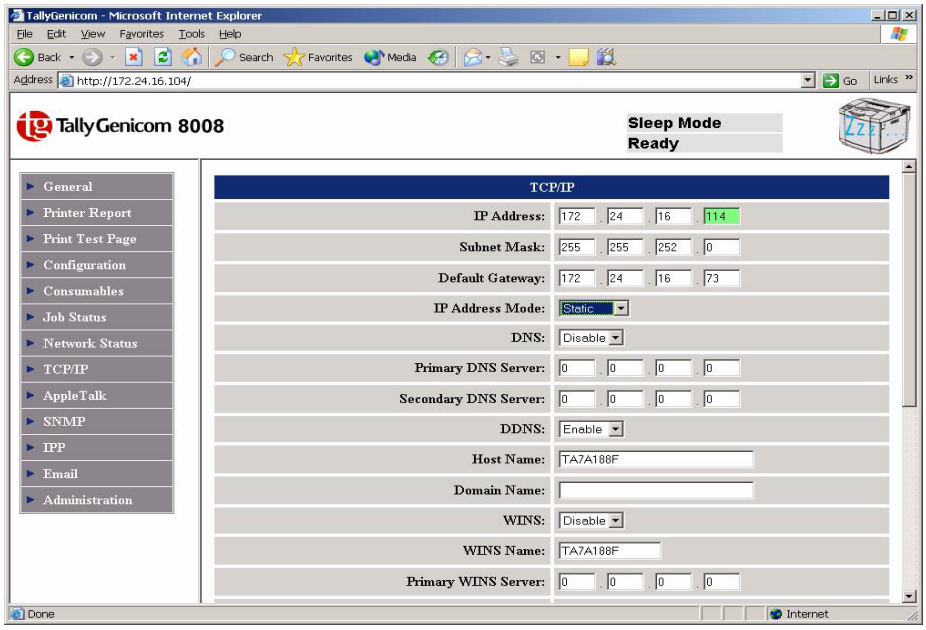
Type is the IP address of the printer. An example of this is shown below.



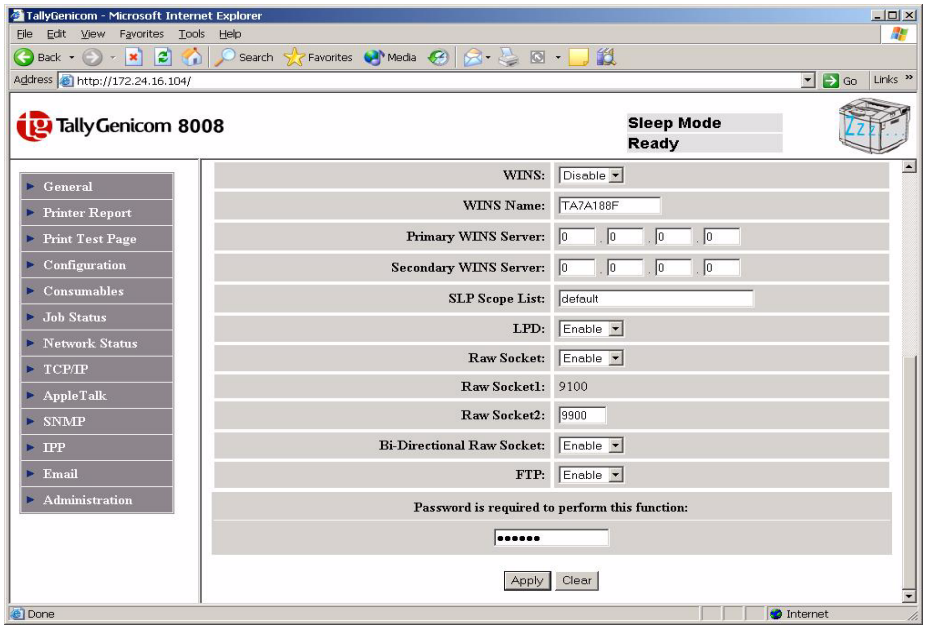
Once the desired changes have been made, click the Apply button and enter the correct password. The following is an example of changing the TCP/IP settings of the printer through a Web browser.



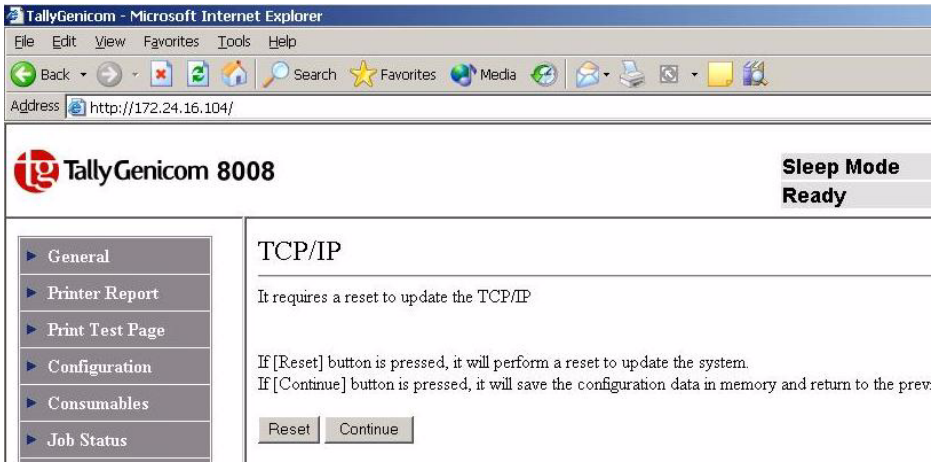
1. Click **TCP/IP Settings** on the Network Configuration menu on the left of the screen.



2. In this case, we will change the IP Address manually so we will also change the IP address mode to manual.



3. Enter the password and then click the **Apply** button.
The default password is: “sysadm”.



4. When the change have been entered, the printer management program will ask you to restart the printer.

7.3.2 Managing TCP/IP Settings

Configuring the Printer for TCP/IP Environment

Parameter	Description
IP Address	Sets the printer IP address
Subnet Mask	Sets the subnet mask value for the printer
Default Gateway	Sets the IP address of the default gateway
IP Address Mode	Specify the source for the printer IP address
	Dynamic: (default) Set the IP address from DHCP/ BOOTP server.
	Static: Set the printer's control panel/Web Page input as the source for the printer's IP address.
DNS	The default is Enable. This setting has to be Enabled for DDNS.
Primary DNS Server	Sets the IP address of the Primary DNS server.
DDNS	The default is Enable.
Host Name	Sets the host name.
Domain Name	Sets the domain name.
WINS	Enable or disable the WINS function. The default is Disable.
WINS Name	Sets the WINS name.
Primary WINS Server	Sets the IP address of the Primary WINS server.
Secondary WINS Server	Sets the IP address of the Secondary WINS server.
SLP Scope List	Sets the scope list for SLP
LPD	Enable or Disable the LPD function.
Raw Socket 1	The port number is 9100 fixed for Raw TCP/IP.
Raw Socket 2	The settable port number for Raw TCP/IP. The default value is 9900.
Bi-Directional Raw Socket	Enable or disable the Bi-Directional Raw Socket function.
FTP	Enable or Disable the FTP printing.

FTP Printing

This printer supports printing via FTP, however it will not normally be used this way. It may be used in this mode to demonstrate the printer using already captured print files created from within Windows using the 8008 driver.

In case of FTP printing, you should log in to printer as shown below.

User Name: **port1**
Password: **Not required**

7.3.3 Managing AppleTalk Settings

By default, the printer is ready to print using AppleTalk.

Parameter	Description
Enable AppleTalk	The default is Enable.
Zone	Sets a zone name. The default is an asterisk
Name	Changes the AppleTalk printer name. The default uses TA followed by the six low order digits taken from the printer's MAC address.
Device Type	Sets Printer Type of AppleTalk printer to use the communication with Macintosh printer driver.This parameter must not be changed.

7.3.4 Configuring SNMP settings

This printer supports SNMP to manage its network interface. You can use MIB II, a portion of Printer MIB, and TRAP for SNMP management.

Parameter	Description
SNMP Enable	The default is Enable.
JetAdmin(TM) Compatible	The default is Enable.
Read Community	Sets a community name for reading MIB.
Write Community	Sets a community name for writing MIB.
Trap Address	Sets an IP address for the TRAP information.
Trap Community	Sets a community name for the TRAP information.
System Location	Sets a system location for SysLocation of MIB II.
System Contact	Sets a system Contact for SysContact of MIB II.
System Name	Sets a system name for SysName of MIB II.
Authentication Trap	The default is Disable.
Printer Trap	The default is Disable.
Printer Job Trap	The default is Disable.

7.3.5 Configuring the Printer for IPP

By default, the printer is ready to print using IPP.

Parameter	Description
Enable IPP	The default is Enabled
Port 80	The Port 80 enables that the printer can access IPP connections coming on Port 80 as well as Port 631. The default is Enabled.
Printer Name	Add the printer name. (Optional)
Printer Location	Add the printer location. (Optional)
Printer Information	Add information about the printer. (Optional)
More Printer Information	Adds more detailed information. The information is intended to be specific to this printer and site. (Optional)
Printer Driver Installer	Sets location of this printer installer. (Optional)
(Printer Make and Model	Sets an identification of the make and model. (Optional)
More Printer Information	The information is intended to be germane to this printer regardless of site specific modifications or services. (Optional)
Message from Operator	Sets a message from operator/administrator to indicate information of the printer to the end user. (Optional)

IPP Printing

If you want to print via IPP, sets the following URL for IPP printer port.

IPP Printer Pot URL: *http://IP address: 631/Print*

IP address: IP address of the printer

Example: http://169.254.193.249:631/Print

7.3.6 Configuring the Printer for Email

The E-mail function allows emails to be sent to specific addresses when an error message is shown on the printer. You can assign different email addresses for different type of messages. As an example you can have one person be advised when the printer needs new consumables another person to be emailed when there is a service call. You place the ip address of your company email server in the SMTP box. Then type the full email address of those you want to be emailed and select the appropriate level of notiiication for each person. There is a maximum of 5 Email address which can be assigned. When an email is received from the printer the address is based on the Pinter serial number shown on the identification section of the printers general web page.

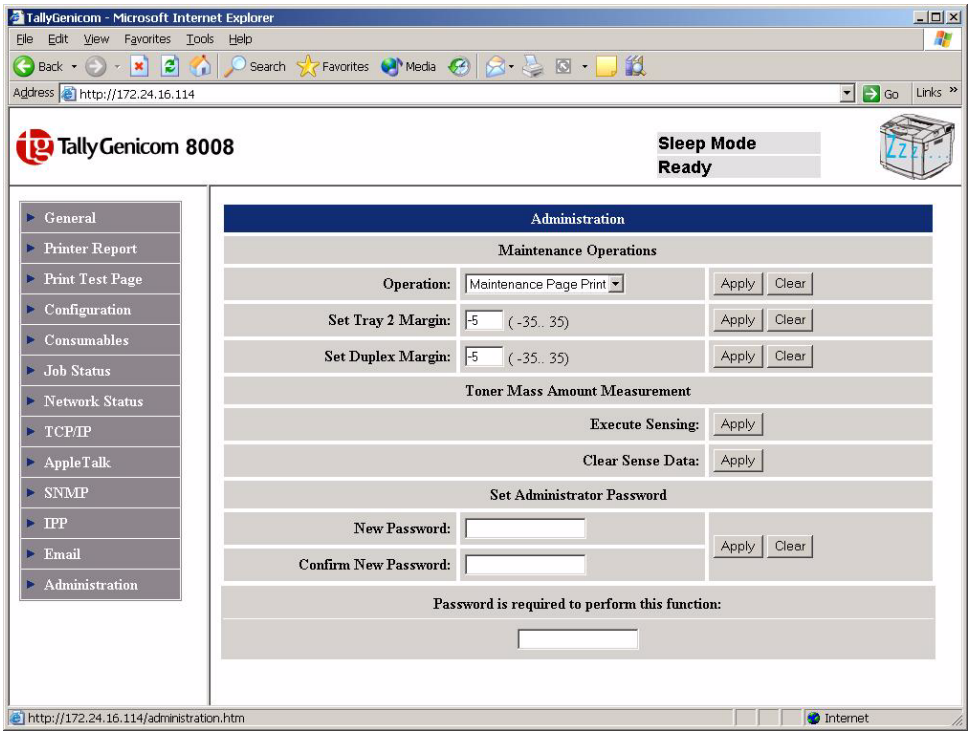
Parameter	Description
Enable Email	The default is Disabled.
SMTP Server	Enter the name of the server that sends e-mail notification when error conditions occur.
Recipient 1–5 Email Address	Enter the Email address that you want to send to
Recipient 1–5 Level of Notification	Sets the kind of status that you want to notify.

Notification Level

Service Call	The printer may require an engineer.
Consumables	The consumables of printer are at or near the end.
Operator Call	The printer is in Operator Call error status.
All Event	The Printer has any of the following, Service Call, Consumables, or Operator Call.
Offline	The printer is offline status. It includes Operator Call, Service Call, etc.

7.3.7 Remote Printer Management

This is a page which allows an administrator to print various test and settings.



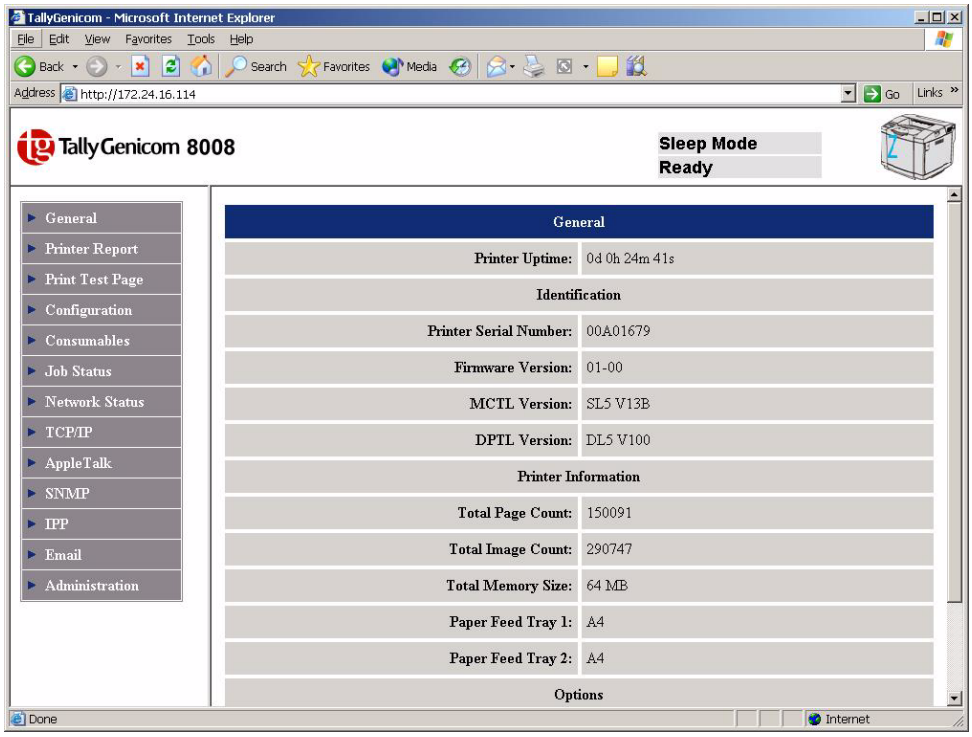
Maintenance Operation

Item	Parameter	Description
Operation	Maintenance Page Print	Prints the Maintenance Page
	Clear Belt Cartridge	Resets the Belt cartridge counter.
	Clear Fuser	Resets the Fuser counter.
	Clear Print Information	Clears the print information.
	Reset	Resets the printer
	Init Panel Setting	Resets the panel setting to factory default.
	Init Network Setting	Resets the network setting to factory default.
Set Tray 2 Margin	-35 to +35	Sets the left margin of Tray 2.
Set Duplex Margin	-35 to +35	Sets the left margin of duplex printing.

Set Administrator Password

Item	Description
New Password	Changes the password. Note that this operation means that if you forget or lose the new password you will no longer have full control over the printer. Use this with care. The default is “sysadm”.
Confirm New Password	Re-enter the new password. Note that this operation means that if you forget or lose the new password you will no longer have full control over the printer. Use this with care.

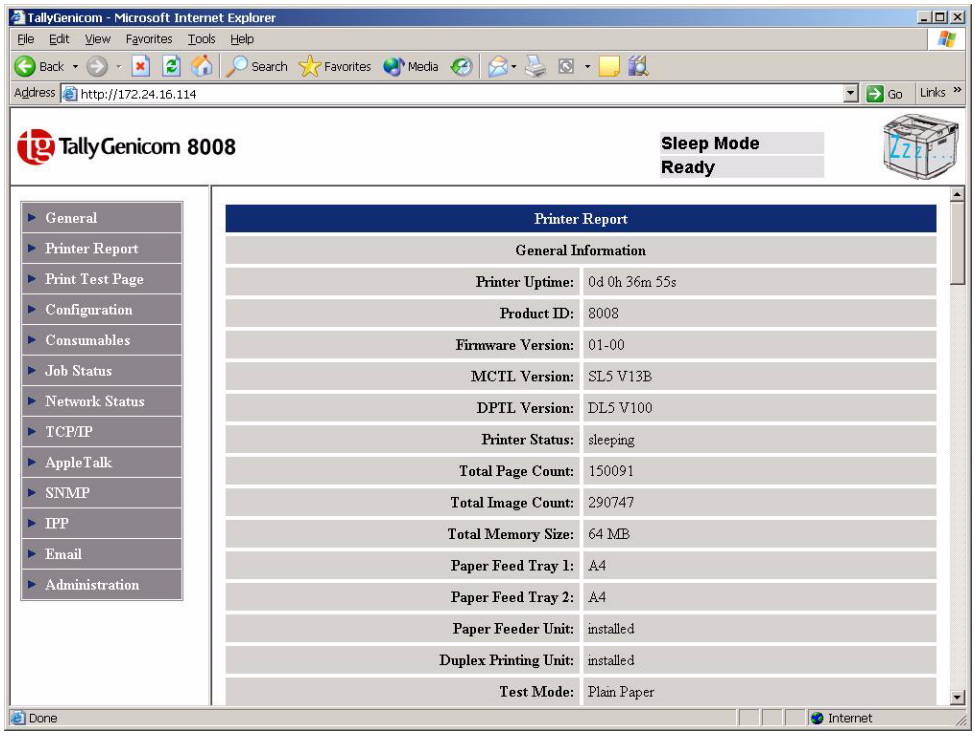
7.3.8 Displaying the General Printer Information

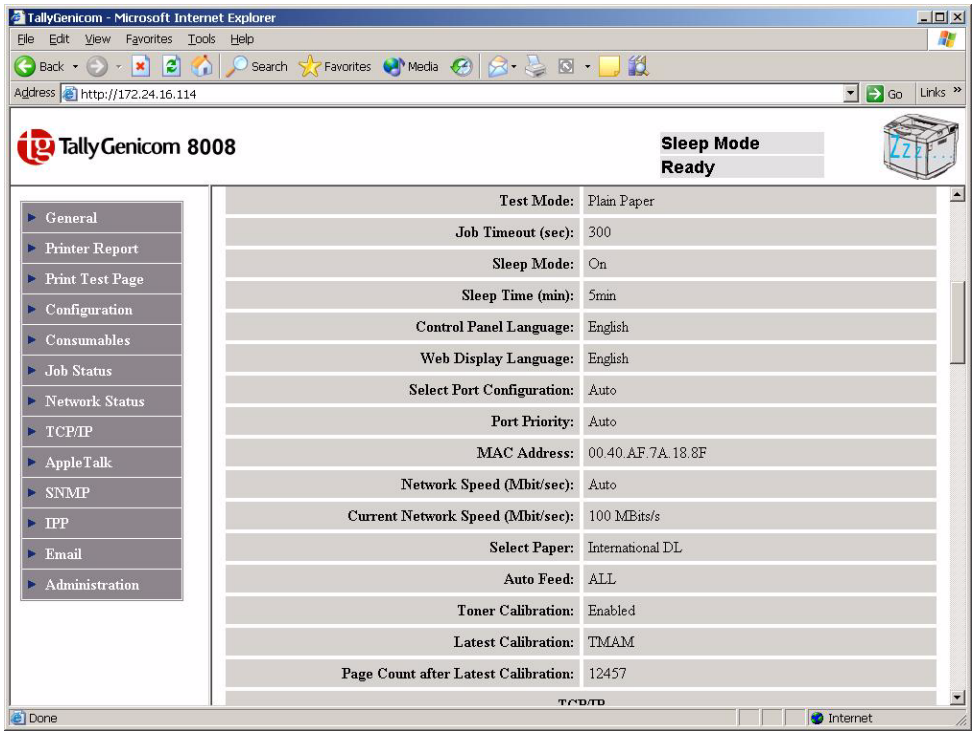


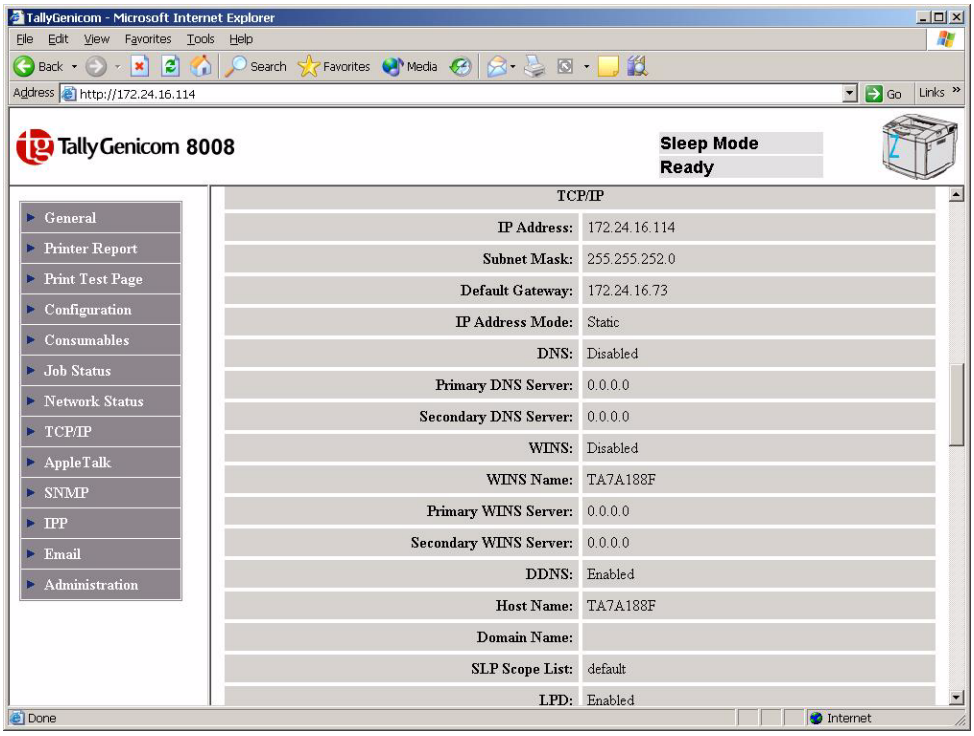
Item1	Item2	Description
	Printer Uptime	The time the printer has been powered on since it was last powered on.
Identification	Printer Serial Number	The serial number of a printer. This is used when the email service has been configured.
	Firmware Version	The firmware version of the printer
	MCTL Version	The firmware version of Engine controller
	DPTL Version	The version of Duplex controller
Printer Information	Total Page Count	The total page count
	Total Image Count	The total image count
	Total Memory Size	The total memory size of printer
	Paper Feed Tray 1/2	The paper size in cassette 1/2
Options	Paper Feeder Unit	Confirms if fitted onto printer
	Duplex Printing Unit	Confirms if fitted onto printer

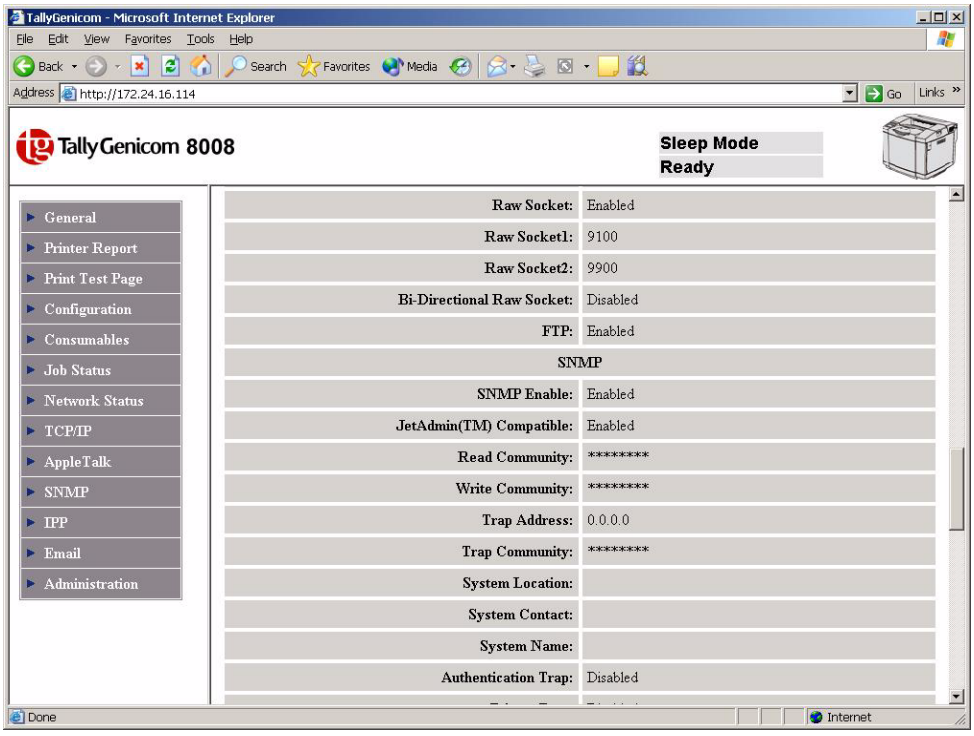
7.3.9 Displaying the Printer Report List

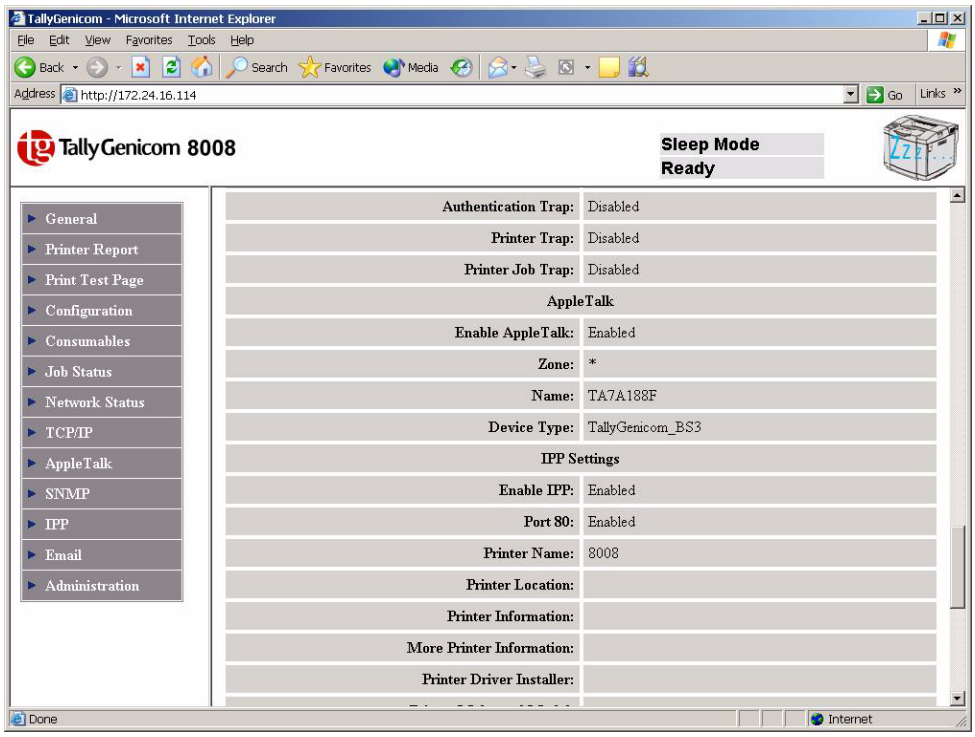
This shows a summary of the printer settings.

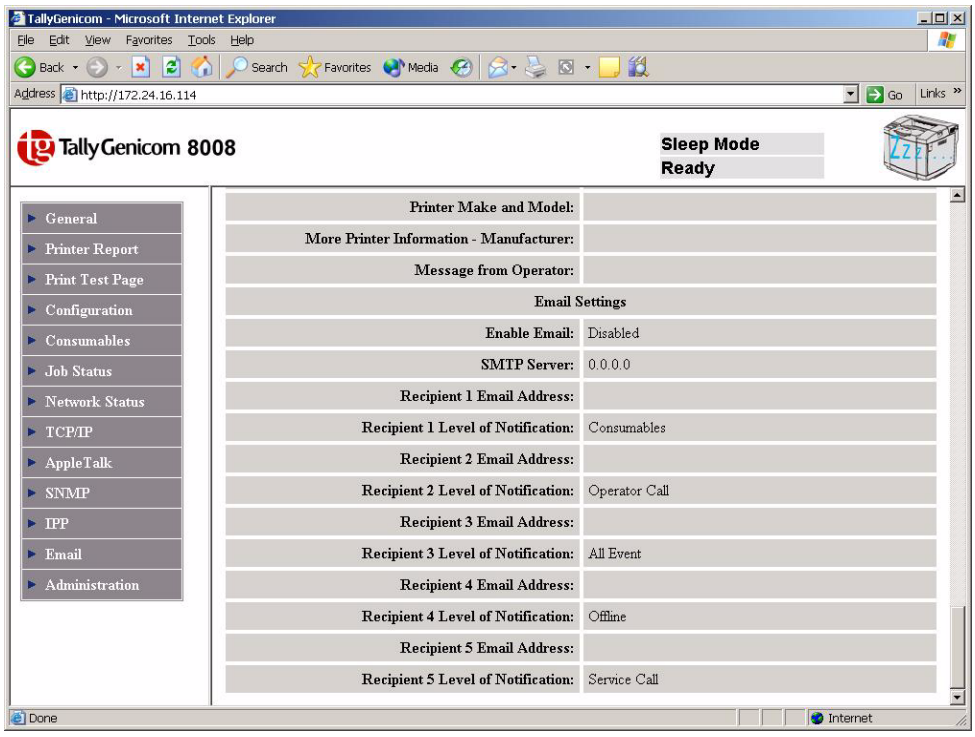





TallyGenicom - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://172.24.16.114
Go Links
TallyGenicom 8008
Sleep Mode
Ready
General
Printer Report
Print Test Page
Configuration
Consumables
Job Status
Network Status
TCP/IP
AppleTalk
SNMP
IPP
Email
Administration
TCP/IP
IP Address: 172.24.16.114
Subnet Mask: 255.255.252.0
Default Gateway: 172.24.16.73
IP Address Mode: Static
DNS: Disabled
Primary DNS Server: 0.0.0.0
Secondary DNS Server: 0.0.0.0
WINS: Disabled
WINS Name: TA7A188F
Primary WINS Server: 0.0.0.0
Secondary WINS Server: 0.0.0.0
DDNS: Enabled
Host Name: TA7A188F
Domain Name:
SLP Scope List: default
LPD: Enabled
Done
Internet

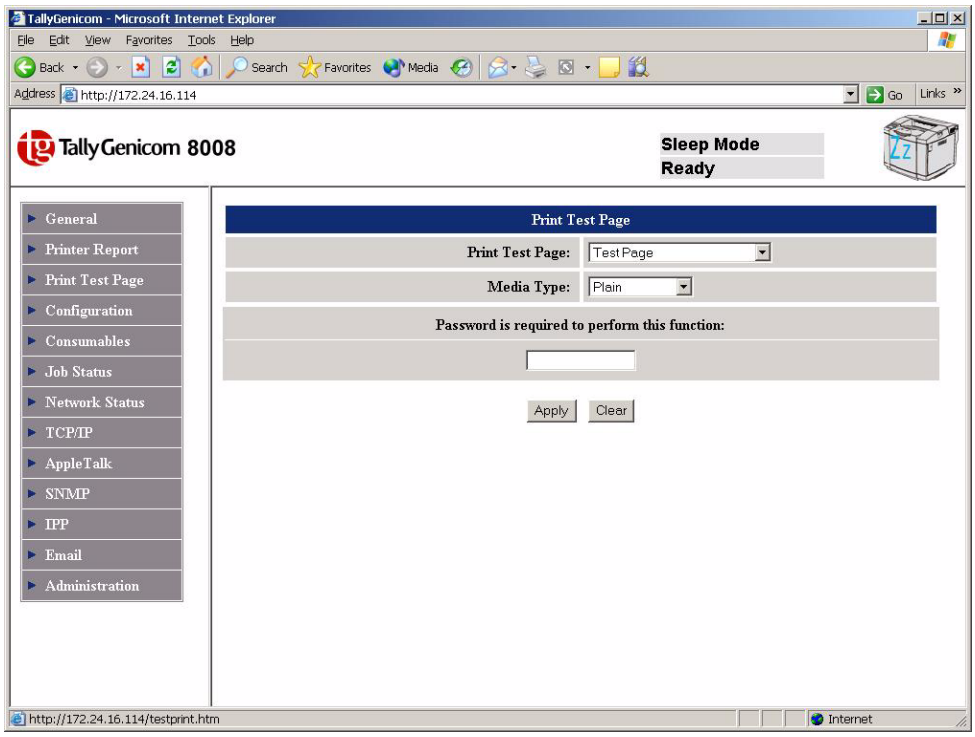

TallyGenicom - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://172.24.16.114
Go Links
TallyGenicom 8008
Sleep Mode
Ready
General
Printer Report
Print Test Page
Configuration
Consumables
Job Status
Network Status
TCP/IP
AppleTalk
SNMP
IPP
Email
Administration
Raw Socket: Enabled
Raw Socket1: 9100
Raw Socket2: 9900
Bi-Directional Raw Socket: Disabled
FTP: Enabled
SNMP
SNMP Enable: Enabled
JetAdmin(TM) Compatible: Enabled
Read Community: ********
Write Community: ********
Trap Address: 0.0.0.0
Trap Community: ********
System Location:
System Contact:
System Name:
Authentication Trap: Disabled
Done
Internet


TallyGenicom - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://172.24.16.114
Go Links
TallyGenicom 8008
Sleep Mode
Ready
General
Printer Report
Print Test Page
Configuration
Consumables
Job Status
Network Status
TCP/IP
AppleTalk
SNMP
IPP
Email
Administration
Authentication Trap: Disabled
Printer Trap: Disabled
Printer Job Trap: Disabled
AppleTalk
Enable AppleTalk: Enabled
Zone: *
Name: TA7A188F
Device Type: TallyGenicom_BS3
IPP Settings
Enable IPP: Enabled
Port 80: Enabled
Printer Name: 8008
Printer Location:
Printer Information:
More Printer Information:
Printer Driver Installer:
Done
Internet


TallyGenicom - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://172.24.16.114
Go Links
TallyGenicom 8008
Sleep Mode
Ready
General
Printer Report
Print Test Page
Configuration
Consumables
Job Status
Network Status
TCP/IP
AppleTalk
SNMP
IPP
Email
Administration
Printer Make and Model:
More Printer Information - Manufacturer:
Message from Operator:
Email Settings
Enable Email: Disabled
SMTP Server: 0.0.0.0
Recipient 1 Email Address:
Recipient 1 Level of Notification: Consumables
Recipient 2 Email Address:
Recipient 2 Level of Notification: Operator Call
Recipient 3 Email Address:
Recipient 3 Level of Notification: All Event
Recipient 4 Email Address:
Recipient 4 Level of Notification: Offline
Recipient 5 Email Address:
Recipient 5 Level of Notification: Service Call
Done
Internet

7.3.10 Performs Printing Test Page

You can print various test pages from here.

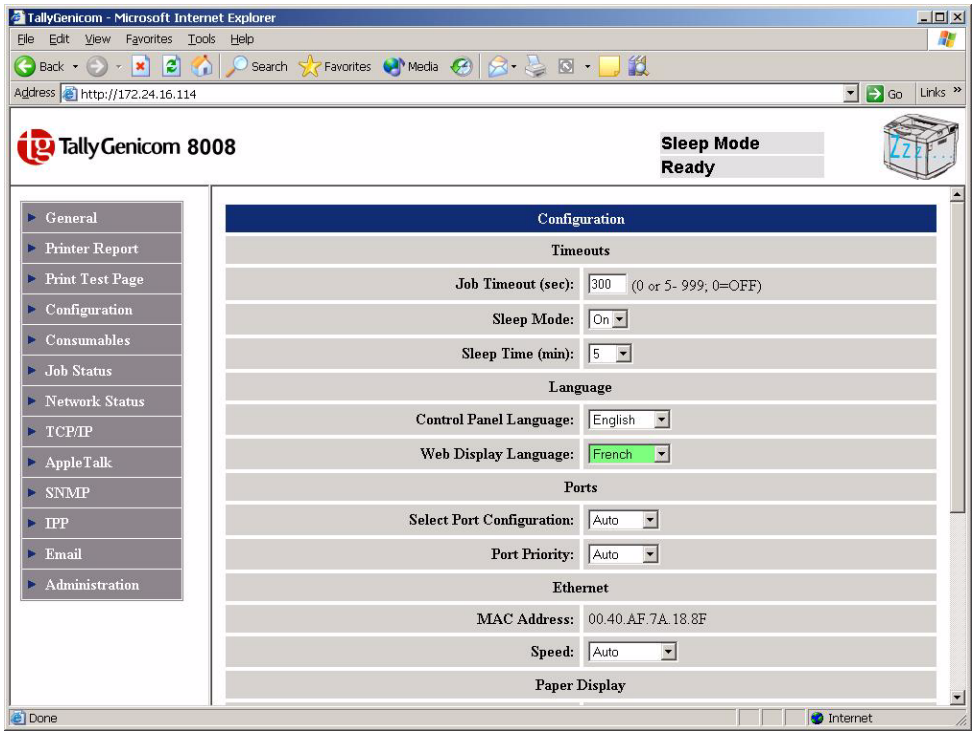


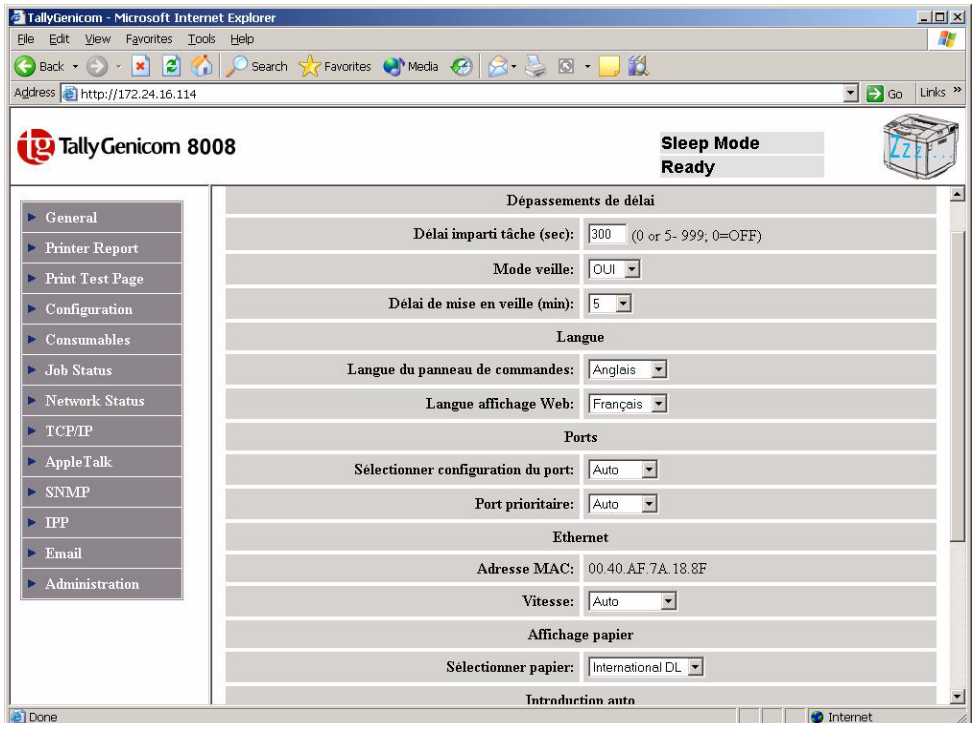
Print Test Page

Item	Description
Test Page	Prints the test page pattern.
Configuration Page	Prints the printer's configuration page.
Status Page	It prints the state of consumables and the printing information.
Network Configuration Page	It prints the printer's network configuration.

7.3.11 Managing Configuration Setting for the Printer

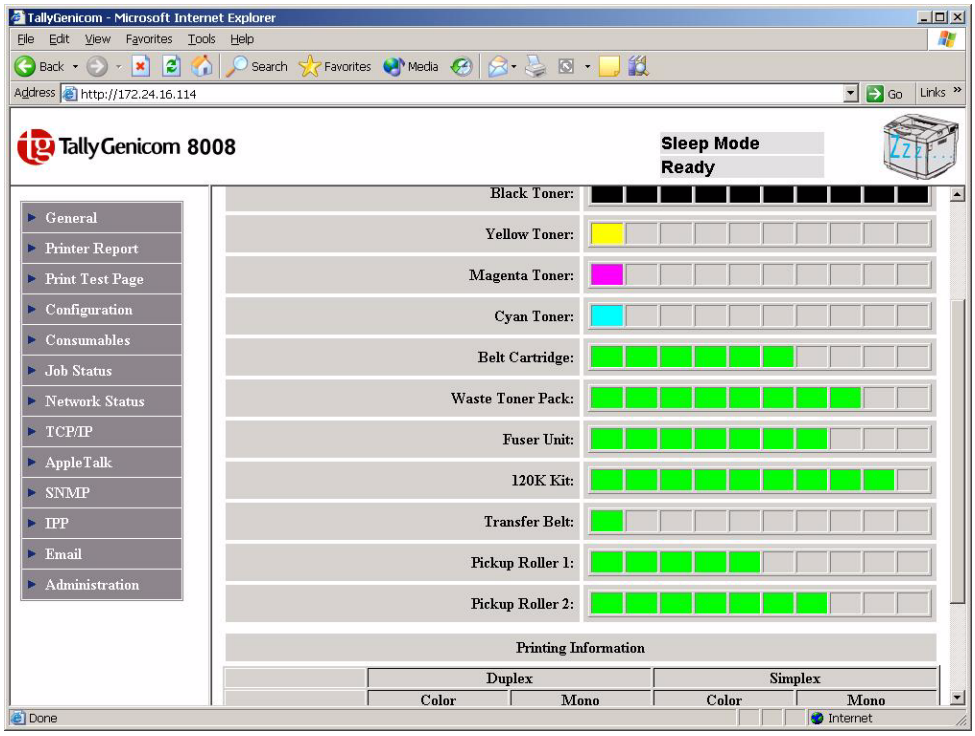
On this page the printer panel settings can be changed.





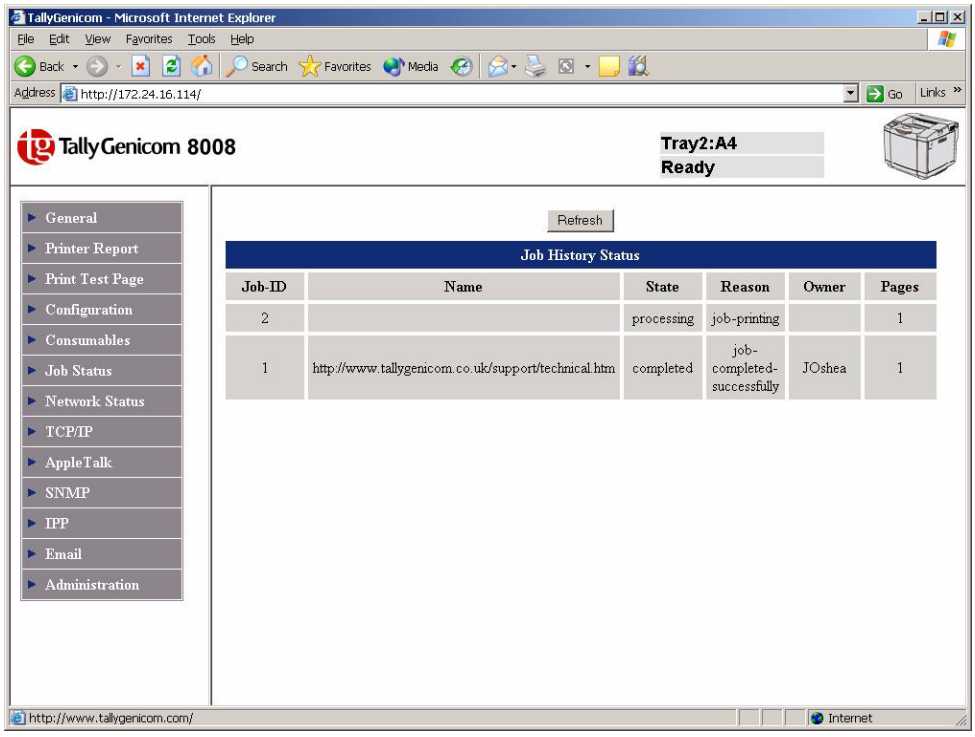
7.3.12 Displaying the State of Consumables

The level of the toner life left quoted is an approximation based on a best guess. For the other consumables the life left should be considered to be an accurate figure.



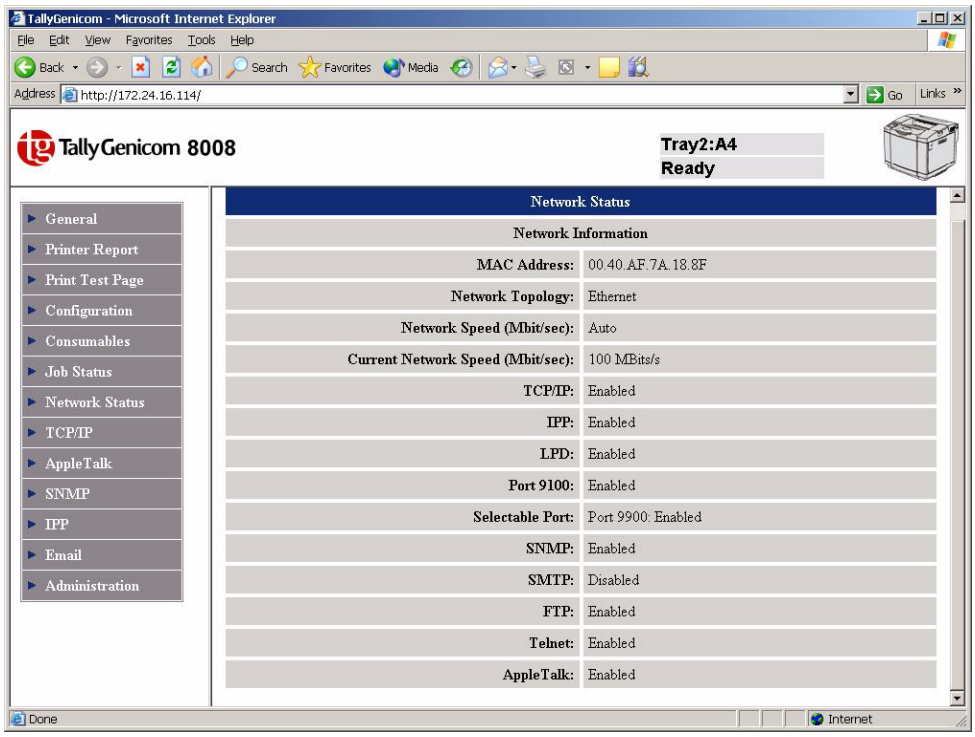
7.3.13 Displaying the Status of Job History

This information is dynamic and so is not stored permantly by the printer. It will display details of up to the last 15 jobs printed.



7.3.14 Displaying the Network Status Setting

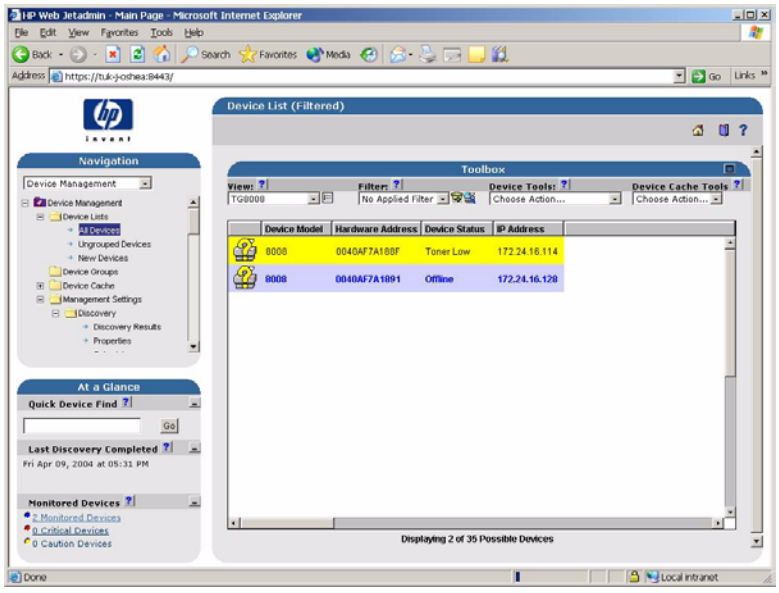
This is shown below.

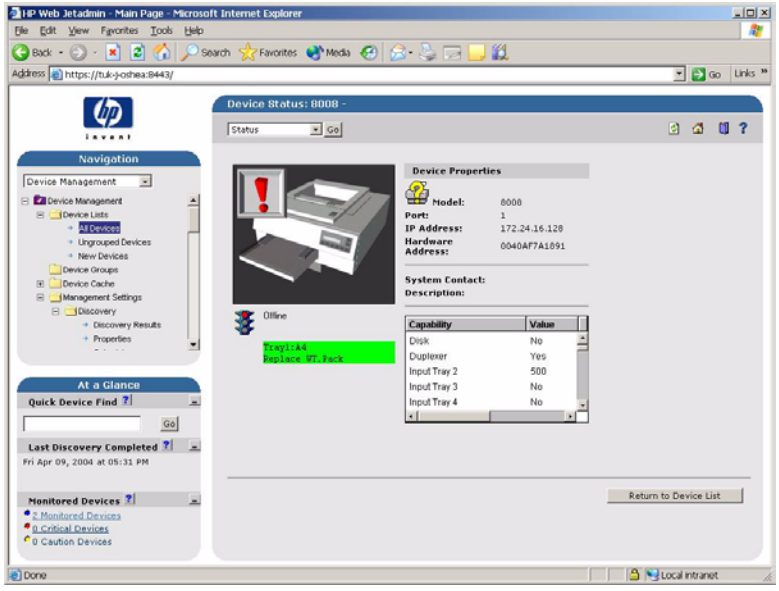


WebJet Admin

This printer has not been designed to be used with HP® Web Jetadmin© but does offers partial compatibility.

Once it has been found by the package it is able to offer printer status as shown below.





Chapter 8
Replacing Consumables and Replacable Parts

8.1 Consumables 8-2

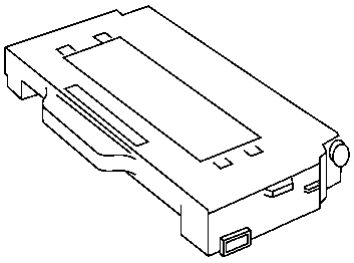
8.2 Replacing Consumables 8-4

8.3 Periodical Replacement Parts 8-14

8.1 Consumables

The printer has the following consumables.

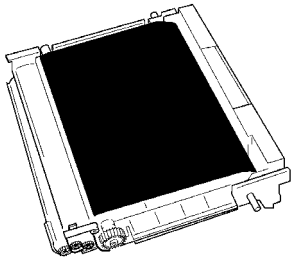
- **Toner cartridges**
  - Black (K) (Part No. 043 339)
  - Yellow (Y) (Part No 043 338)
  - Magenta (M) (Part No. 043 337)
  - Cyan (C) (Part No. 043 336)



These toner cartridges based on A4 print size, 5% coverage of individual toner colors, and continuous print will last up to 10,000 pages (K) and 6,600 pages (Y, M and C). They should also be replaced if they have been used in the printer for 12 months.

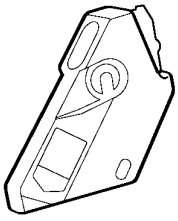
Note: *The initial toner cartridges supplied with the printer will last up to 1500 pages.*

- **Belt cartridge** (Part No. 043 340)



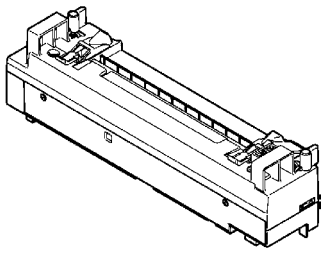
The approximate schedule for replacing this photosensitive belt cartridge based on A4 print size, 5% coverage of individual toner colors, and continuous print is either 60,000 images (15,000 pages in color) or once per 12 months, whichever comes first.

- **Waste toner pack** (Part No. 043 341)



This pack stores waste toner. The approximate schedule for replacing the waste toner pack based on A4 print size, 5% coverage of individual toner colors, and continuous print is when 12,000 images (3,000 pages in color) are printed.

- **Fuser unit** (Part No. 230 V: 043 342
  110 V: 043 343)



The approximate schedule for replacing the fuser unit based on A4 print size, 5% coverage of individual toner colors, and continuous print is when 60,000 pages are printed.

8.2 Replacing Consumables

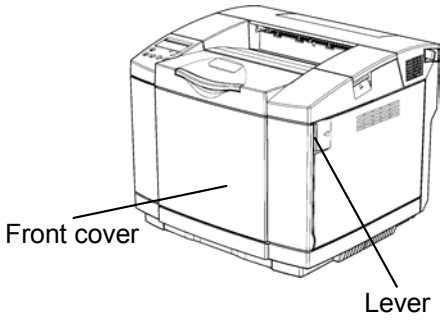
8.2.1 Replacing the Toner Cartridge

Replace the toner cartridge according to the procedure below.

CAUTION! *Do not incinerate the toner cartridge. Sparks may be generated, causing burns.*
Take care not to spill toner. If toner gets into your eyes, immediately flush your eyes using clean water for 15 minutes or more, and then seek the attention of a doctor.

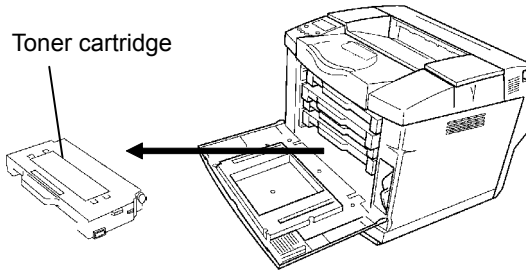
Note on replacing the toner cartridge

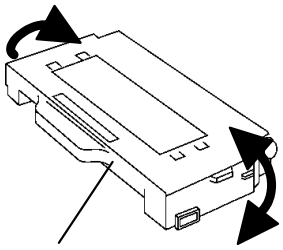
Handle the toner cartridge with its label facing upward. Do not stand or reverse the toner cartridge.



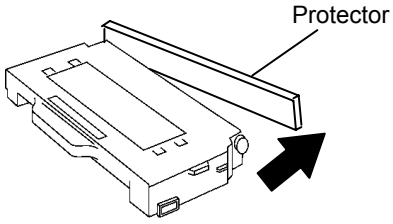
The printer will first advise to check the toner X. This is a warning to order more toner as the printer will soon run out The printer will carry on printing and then advise replace tonerX. At this stage it is necessary to replace the requested toner cartridge X: k is black, c is cyan, m is magenta and y is yellow.

1. Unlock the lever on the front cover and open the front cover.
2. Remove the used toner cartridge, paying attention not to spill the toner. Do not handle mo than one toner cartridge at the same time.

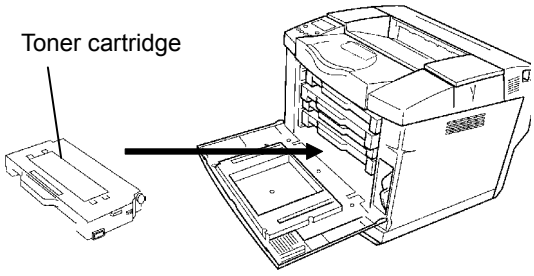




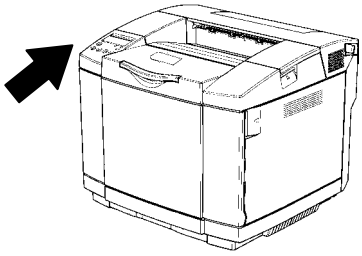
3. Gently rock a new toner cartridge three or four times in the direction of arrows to level out the toner inside the cartridge.



4. Peel off the tape, and remove the protector for the toner cartridge from the right. Do not lose the protector because it is necessary for transporting the printer.



5. Slide the toner cartridge along the guides into the printer.



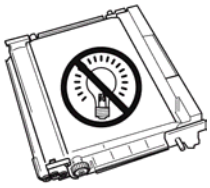
6. Close the front cover securely by pushing it until it locks.

8.2.2 Replacing the Belt Cartridge

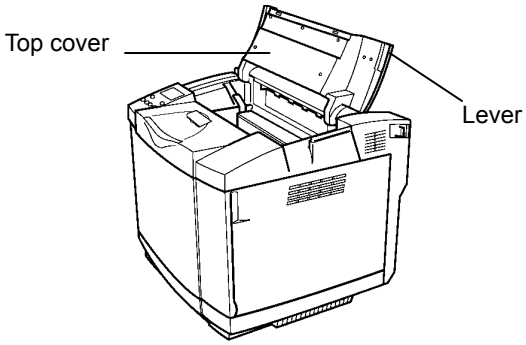
Replace the belt cartridge according to the procedure below.

Notes on replacing the belt cartridge

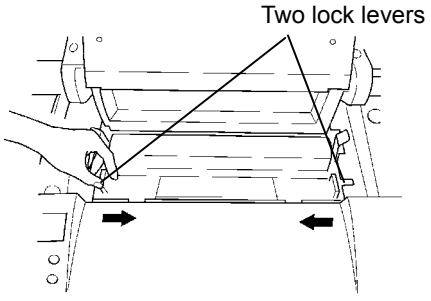
- Do not touch the photosensitive belt.
- The photosensitive belt is very sensitive to light. If this belt is exposed to light of no less than 800 lux for no less than 2 minutes, it deteriorates, causing troubles in the images printed. Pay attention not to expose the belt cartridge to light wherever possible.



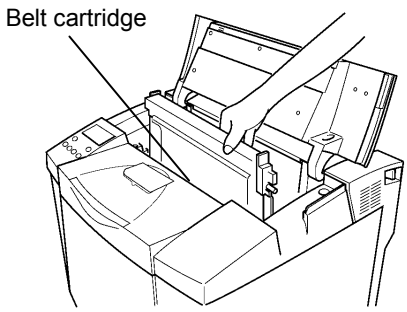
- After you replace the belt cartridge, be sure to perform the control panel operation that sets the replacement period for the belt cartridge. Continued use of the printer without monitoring the life of this consumable part may degrade the print quality or could cause physical damage to the printer.



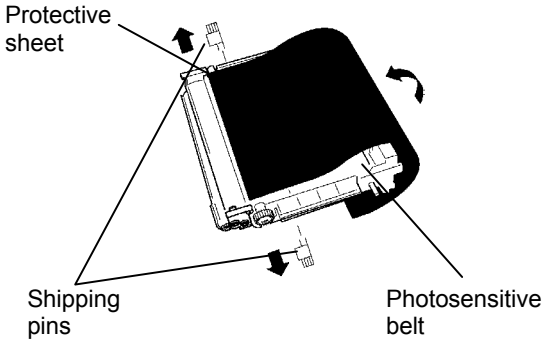
1. Power the printer off. Open the top and front covers. Pull the 4 developers inside the front cover out about an inch.



2. Pull in the two green lock levers securing the belt cartridge.



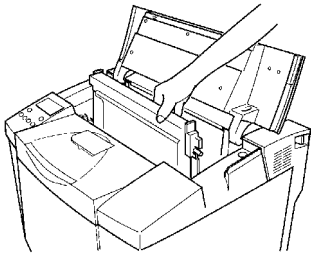
3. Remove the belt cartridge by holding the black handle.



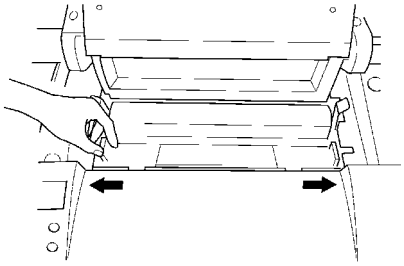
4. Remove the two shipping pins from the new belt cartridge.
5. Remove the protective sheet for the belt cartridge. Pay attention to the following:

▶ **Do not touch the photosensitive belt.**

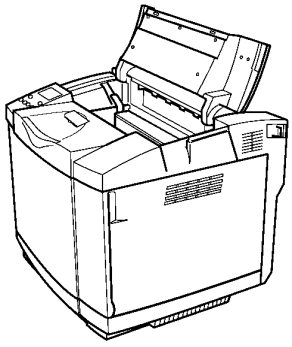
▶ **Do not wipe off any of the white powder adhering to the photosensitive belt.**



6. With the photosensitive belt facing front, slide and keep hold of the black handle as it goes down the guide. When it stops ensure that both ends of the belt are fully down by pushing down slightly on the left and right hand side of the handle.



7. Pull the lock levers out to lock the belt cartridge in place.



8. Close the top cover by closing it and supporting the cover until it locks into place. Do not let it drop down. Slide the 4 toners back in and close the front cover. Power the printer back on.

Panel operation after replacing the belt cartridge

Note : *The same button is used as a MENU and Enter key.*

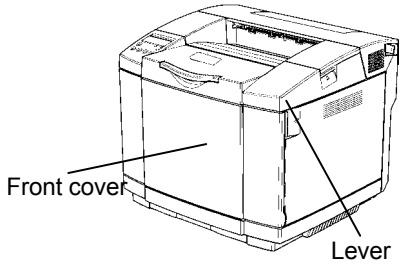
Tray1: A4 **Ready**	1. Ensure that "Ready" is displayed on the LCD.
Tray1: A4 **Not Ready**	2. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.
Tray1: A4 **Utility Menu**	3. Press the MENU and hold it for three until Utility Menu replaces the Test menu.
Utility Menu **Clear Belt CG**	4. Press ENTER key. Clear Belt CG submenu appears.
Clear Belt CG **Not Execute**	5. Press ENTER key, and the Not Execute appears.
Clear Belt CG **Execute**	6. Press ◂ or ▸ key until the Execute option appears.
Completed **Clear Belt CG**	7. Press ENTER key to execute the clear Belt CG. After a short time the display will show completed.

8. Press ONLINE key to terminate the menu operation and cause the printer to go back online.

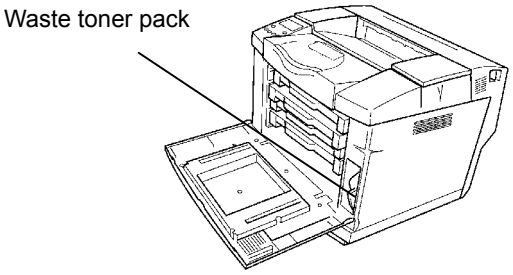
8.2.3 Replacing the Waste Toner Pack

Replace the waste toner pack according to the procedure below.

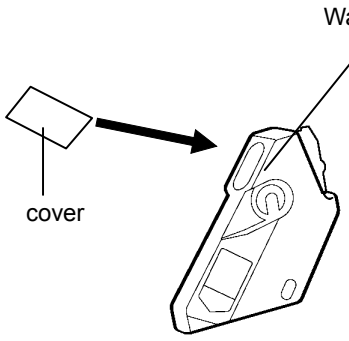
CAUTION! *Do not incinerate the waste toner pack. Sparks may be generated, causing burns.*
Take care not to spill any toner. If toner gets into your eyes, immediately flush your eyes with clean water for 15 minutes or more, and then seek the attention of a doctor.



1. Unlock the lever on the front cover and open the front cover.

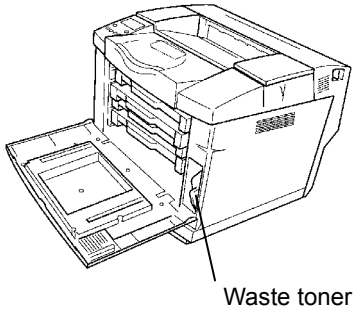


2. Remove the filled waste toner pack from the printer.

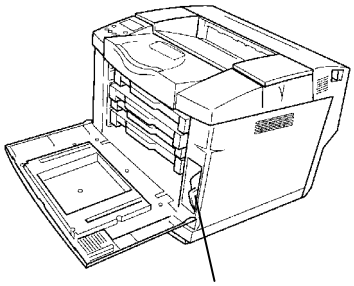


3. Seal the removed waste toner pack with the cover supplied with sthe new waste toner pack.

▶ **To prevent waste toner from leaking, place the waste toner pack into the polyethylene bag that came with the new waste toner pack, and seal the bag.**



4. Place the new waste toner pack into the printer.

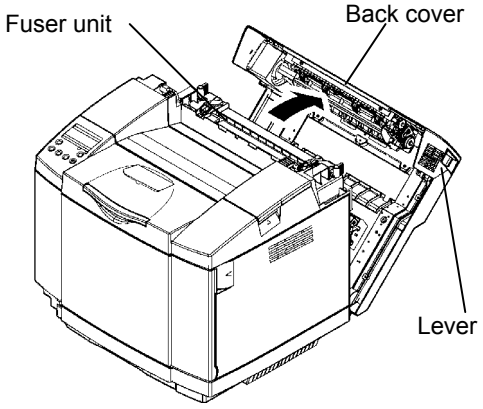


5. Close the front cover securely by pushing it until it locks.

8.2.4 Replacing the Fuser Unit

Replace the fuser unit according to the procedure below.

CAUTION! *The fuser unit and the area around it are hot during and immediately after using the printer. If you touch them, you may be burned. Turn off the printer, and then wait for more than 30 minutes. After the printer is fully cooled, replace the fuser unit.*

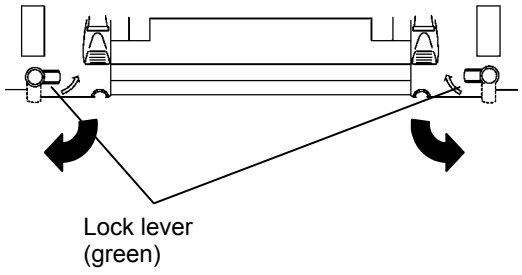


1. Turn off the printer.

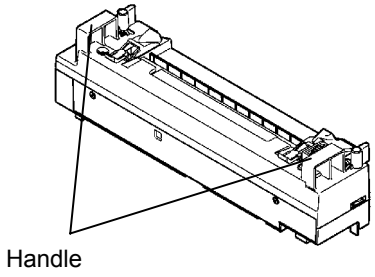
▶ **Wait for more than 30 minutes.**

2. Pull the lever on the Back cover to unlock the back cover, and open the back cover until it stops.

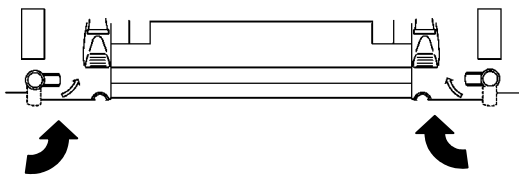
▶ **Keep the top cover fully open during the replacement work.**



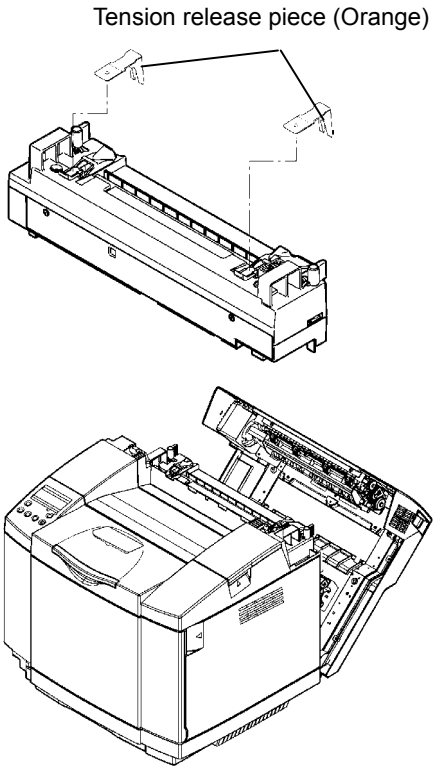
3. Release the two green lock levers.



4. Remove the old fuser unit by holding onto the handles.



5. Insert a new fuser unit.
6. Turn the two green lock levers to secure the fuser unit.



7. Pull out the tension release piece (orange colored), if fitted, provided on the left and right side of fuser unit.

8. Close and support the back cover until it locks into place. Power the printer back on.

Panel operation after replacing the fuser unit

Note: *The same button is used as a MENU and Enter key.*

Tray1: A4 **Ready**

1. Ensure that "Ready" is displayed on the LCD.

Tray1: A4 **Not Ready**

2. Press ONLINE key. The ONLINE lamp goes out when the printer enters offline mode.

Tray1: A4 **Utility Menu**

3. Press the MENU and hold it for three until Utility Menu replaces the Test menu.

Utility Menu **Clear Belt CG**

4. Press ENTER key. Clear Belt CG submenu appears.

Utility Menu **Clear Fuser**

5. Press ◂ or ▸ key until it says Clear Fuser.

Clear Fuser **Not Execute**

6. Press ENTER key, and the Not Execute appears.

Clear Fuser **Execute**

7. Press ◂ or ▸ key until the Execute option appears.

Completed **Clear Fuser**

8. Press ENTER key to execute the clear Fuser. After a short delay the display says Completed.

9. Press ONLINE key to terminate the menu operation and put the printer back online.

8.2.5 Notes on discarding the Consumables

Follow a method for disposing of and sorting such articles if the method is specified by municipal bylaws. If you entrust a commercial processor with the handling of consumables as industrial wastes, refer to the types and characteristics of consumables below.

Consumables	Manifest information			
	Type	Shape	Heavy metals	Characteristics
Toner cartridge (K) Toner cartridge (Y) Toner cartridge (M) Toner cartridge (C) Belt cartridge Waste toner pack Fuser unit	Waste plastics Cinders Scrap metal	Solid	None	–

CAUTION! *Do not incinerate toner cartridges and waste toner packs. Sparks may be generated, causing burns.*

8.3 Periodical Replacement Parts

Some of the component parts of the printer, which become worn or deteriorated according to the amount of usage (or ellapsed time of use) must be periodically replaced at the expense of the printer's owner. Such component parts are referred to as "periodical replacement parts". Normally a service engineer should replace these parts available as a service kit. Contact your dealer or service representative.

No.	Periodic replacement Parts	To be replaced with	Available as
2	Transfer roller PU	120,000 Pages	Service Kit
3	Transfer belt cleaning roller PU	120,000 Pages	Service Kit
4	Paper Feed Roller PU	120,000 Pages	Service Kit
5	Separator Pad	120,000 Pages	Service Kit

- Since the lifespan of periodical replacement parts depends on how they are used, there may be cases when replacement is required earlier than the above schedule.
- Continued use of a periodical replacement part beyond its lifespan not only causes print quality problems or media jams but also could lead to hardware failure.

In some circumstances the Transfer roller and Transfer belt cleaner can be replaced by a user but an engineer has to fit the feeder roller. A brief outline of replacing these parts is given below but please contact your TallyGenicom service center for more details.

Transfer Belt cleaner replacement

Power the printer off. See see "Chapter 6 Troubleshooting and Maintenance".

Transfer roller replacement

1. Power the printer off.
2. Open the back cover of the printer.
3. Hold the white 2 plastic clips in slightly, raise and remove the transfer roller when the angle of the assembly allows the removal of the unit from the slots.

CAUTION! *Be careful of the serrated edges on the unit.*

4. Replace the unit with a new part ensuring that you are inserting it the correct way up, metal plate uppermost, and angle the unit first to allow the shaft to fit the slot on both sides before lowering the white plastic parts down to be locked into position.

Chapter 9
Options

9.1 Paper feeder 9-2

9.2 Duplex unit 9-7

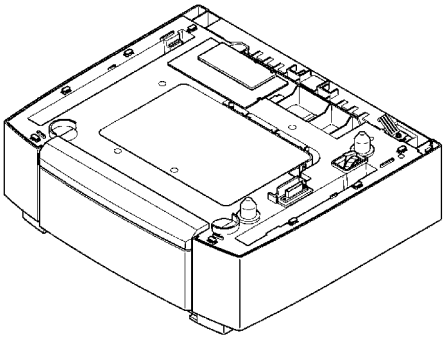
9.1 Paper feeder

9.1.1 Packed Supplies

The following are packed for the supplies of the paper feeder.

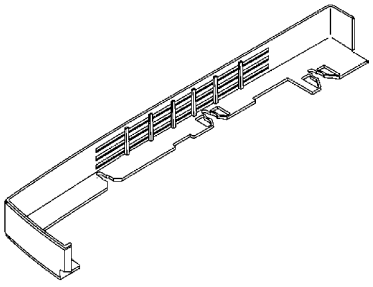
If some of the supplies are missing or damaged, contact your sales representative.

- **Paper feeder unit (with Paper cassette)**

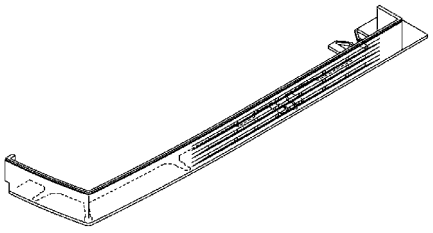


- **Two Metal stoppers**

- **Left cover**



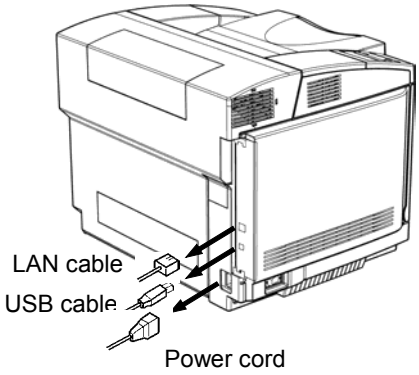
- **Right cover**



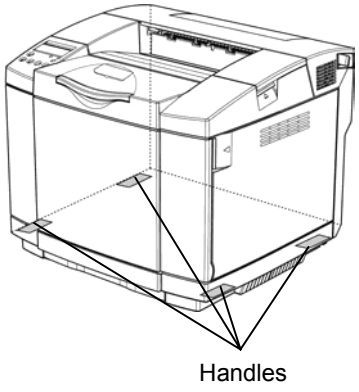
9.1.2 Before Installing to the Printer

Since the paper feeder is installed at the bottom of the printer, you must position the printer so that you are able to install the paper feeder in it.

CAUTION! *Always have more than two persons work together to carry the printer to prevent a possible injury to your back. The printer weighs as much as 31.5 kg (69 lbs.) without optional components.*



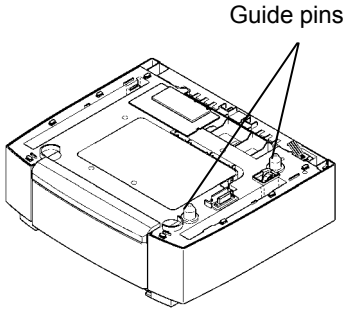
1. Turn off the printer.
2. Disconnect the power cord, printer cable, and LAN cable from the printer.



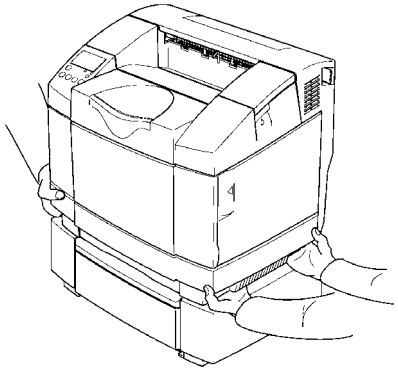
3. Grasp the handled firmly and have more than two persons to help carry the printer.

9.1.3 Installation

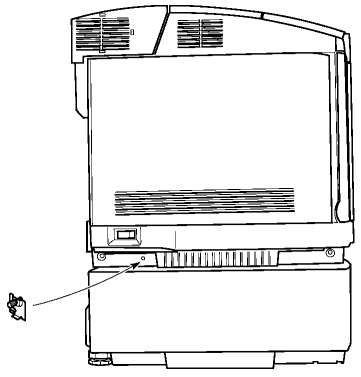
To install a paper feeder in the printer, follow the procedures below.



1. Install the paper feeder in place.

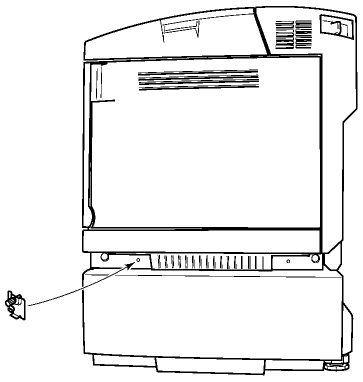


2. Place the printer on the paper feeder. Gently insert the right guide pin on the paper feeder into the pin hole at the bottom of the printer.



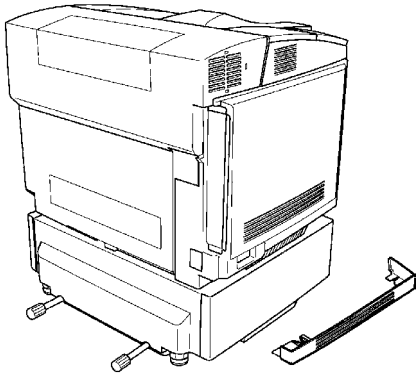
3. Tighten the thumb screw at the left back of the paper feeder.

▶ Make sure that the tab has been placed into the printer and paper feeder.

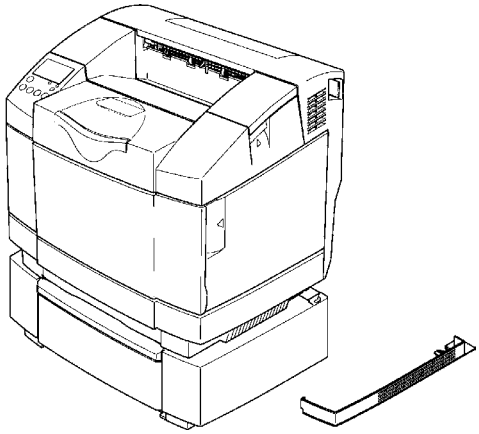


4. Tighten the thumb screw at the right front of the paper feeder.

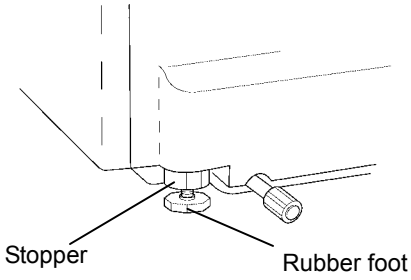
▶ Make sure that the tab has been placed into the printer and paper feeder.



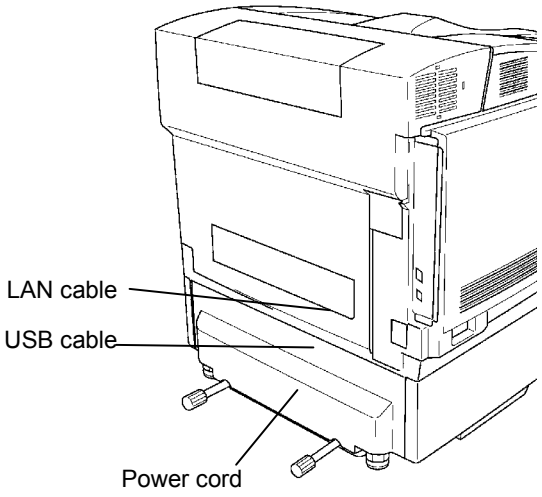
5. Install the left cover.
Hook the pivot at the left back of the paper feeder and turn the left cover around the pivot and fit it on.



6. Install the right cover.
Hook the pivot at the left back of the paper feeder and turn the left cover around the pivot and fit it on.



7. Turn the two rubber feet to lightly touch them to the installation. The rubber foot is located at the back of the paper feeder. When you turn it right, the rubber foot lowers.
8. Secure the rubber foot with a stopper.
   When you turn the stopper left to lift it up, the rubber foot is secured.



9. Connect the power cord, printer cable and LAN cable.

9.1.4 After Installation

If you have installed the paper feeder, check the operation by seleting the feeder in the printer driver.

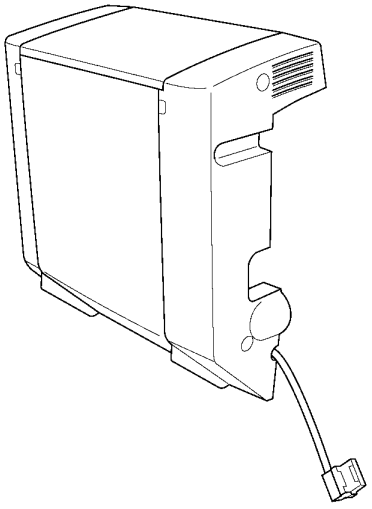
9.2 Duplex unit

9.2.1 Packed Supplies

The contents of the package are as follows.

If any component is missing or damaged, contact your dealer.

- **Duplex unit**



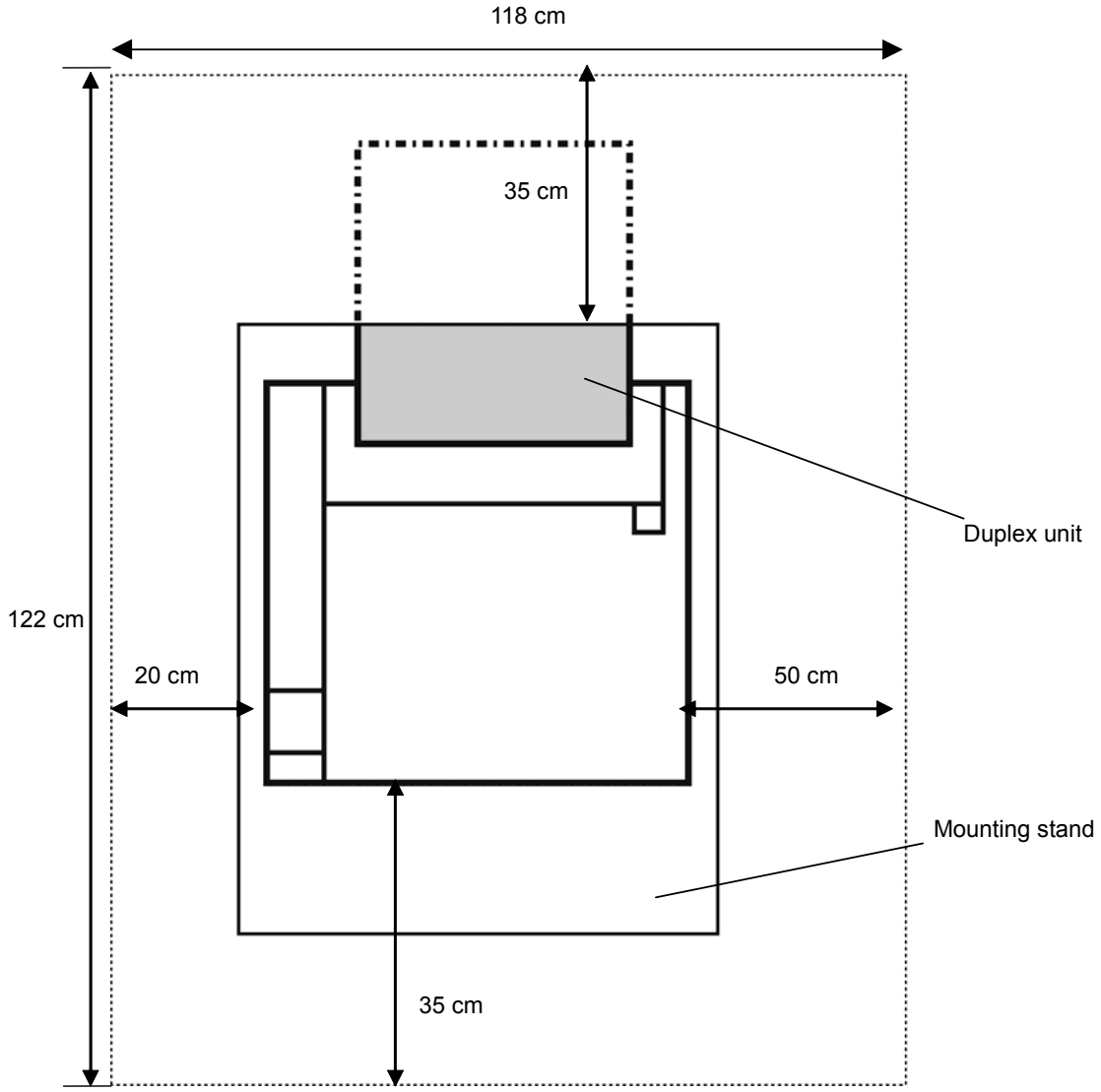
9.2.2 Before Installing to the Printer

Make sure the following before installing the duplex unit.

Installing Area

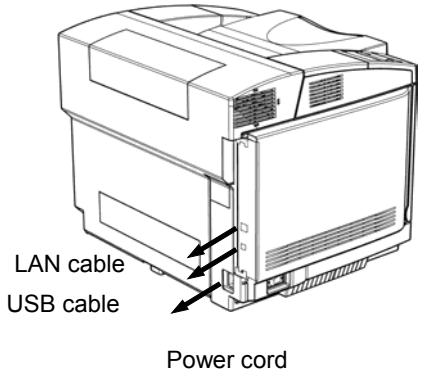
To operate the printer smoothly with the duplex unit installed, install the printer where the picture below shows. The duplex unit is installed at the back of the printer, then an area behind the printer must be reserved for operating the duplex unit.

View from above the printer

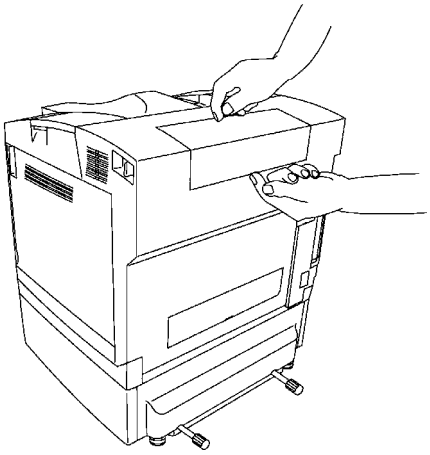


9.2.3 Installation

Install the duplex unit to the printer according to the following procedure.

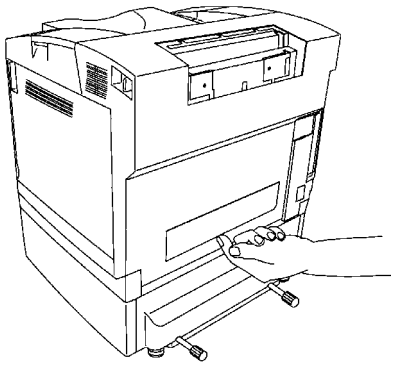


1. Turn off the printer.
2. Disconnect the power cord, USB cable, and LAN cable from the printer.



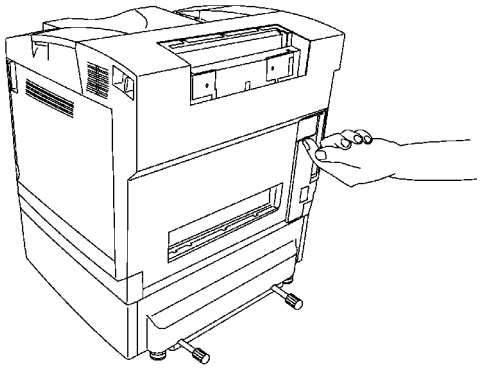
3. Remove the upper duplex cover from the back of the printer.

▶ Using a coin, lids are easy to be removed.



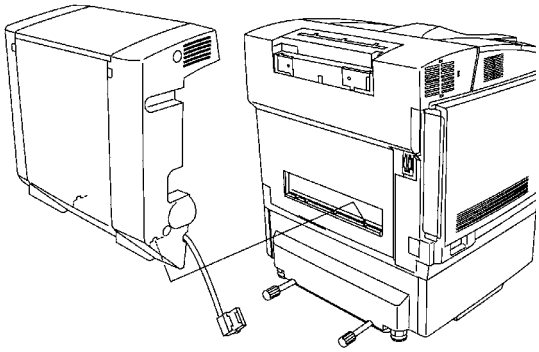
4. Remove the lower duplex cover from the back of the printer.

▶ Using a coin, lids are easy to be removed.

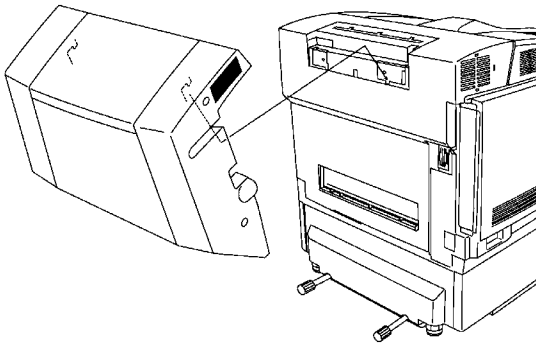


5. Remove the duplex connector cap from the back of the printer.

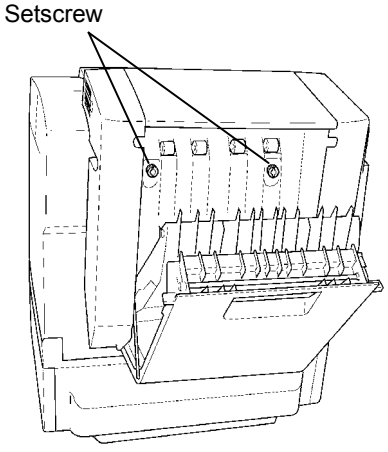
▶ Keep all the covers and cap carefully.



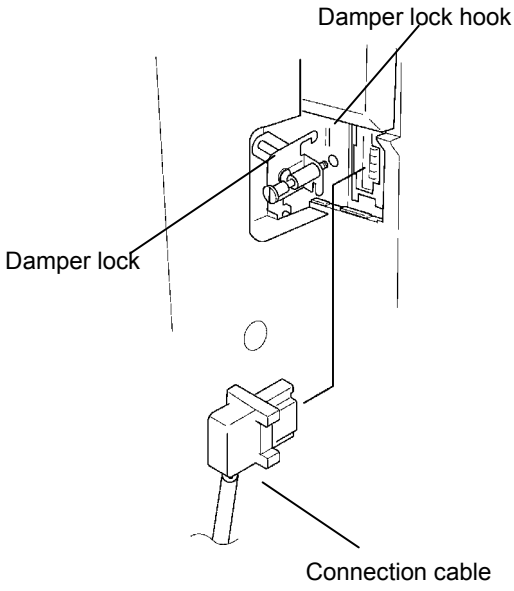
6. Hold the duplex unit grasping the grips in the right and left sides of the unit.
7. Set the duplex unit to the lower positioning groove of back cover.



8. Set the hook in the positioning hole along the guide rib at the upper right of the back cover.

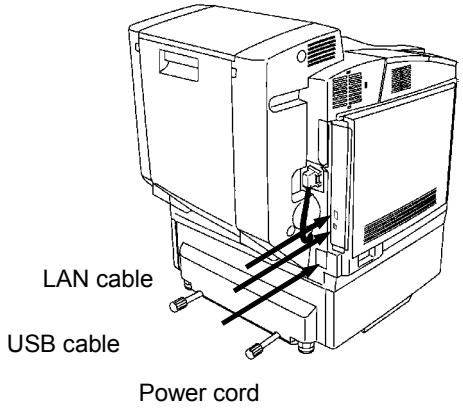


9. Open the duplex cover, incline the paper reverse unit, and then tighten the setscrews.



10. Hook the damper lock to the damper lock hook of the back of the printer and tighten the screw of the damper lock hook at the right side.
11. Attach the connection cable to the connector of the printer.

▶ Insert the connector until it locks.



12. Connect the power cord, USB cable and LAN cable.

9.2.4 After installation

If you have installed the duplex unit, check the operation by seleting the feeder in the printer driver.

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