brother.

Brother FAX Share

OPERATION MANUAL

Please read this manual thoroughly before using the fax function in the printer.
Keep this manual in a convenient place for quick and easy reference at all times.

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ABOUT THE FAX FUNCTION

Features

By installing an External Fax Modem onto the printer, you can

1) Print a received fax message on plain paper directly to the printer.
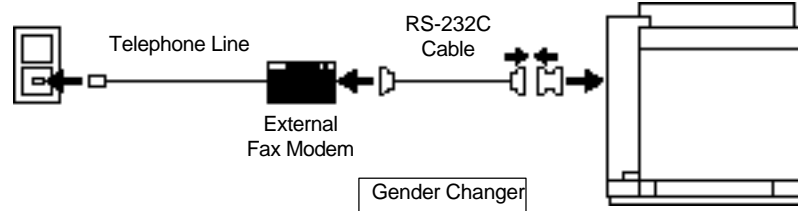
2) Send a fax message from your computer.
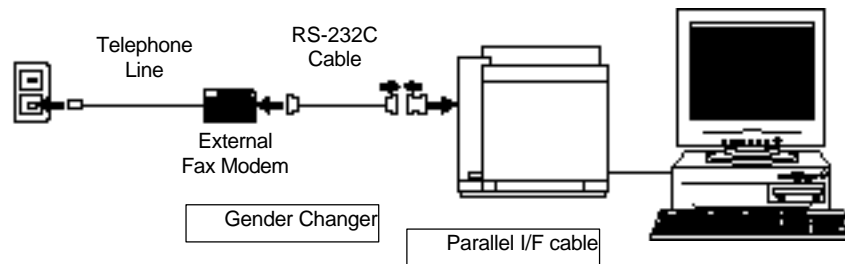
3) Let multiple users send fax messages from each computer on a single telephone line if the printer is shared on the network and connected to the printer via a centronics parallel cable, USB cable (if applicable) or via a network share.

4) Automatically print a fax sent / received report.

Specifications

Printer

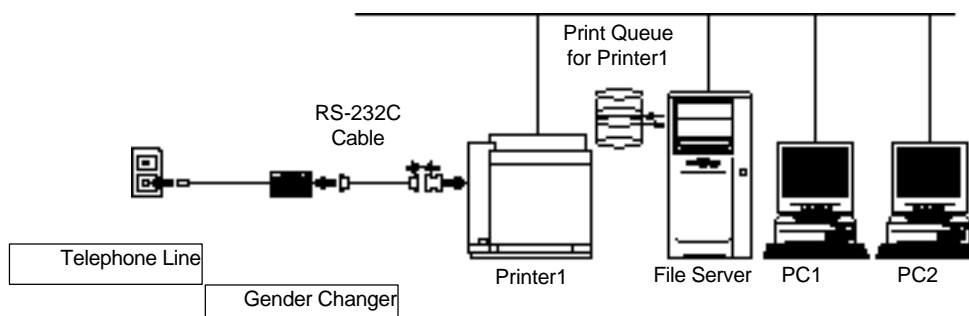|	
Compatibility:	ITU-T Group 3
Coding system:	MH
Resolution:	Horizontal: 200 dots/inch
	Vertical: Standard mode; 100 lines/inch
	Fine mode; 200 lines/inch
	(Only Fine mode is available in Windows NT 4.0)
External Fax Modem:	Fax compatibility: Class 2.0
	Data transmission: 14,400 - 2,400 bps (Fax Speed)
Auto reduction:	Auto / Off / 90%

Fax driver

Operating system:	Microsoft® Windows 3.1 / Windows 95 / Windows 98 / Windows / Windows Me / NT 4.0
Resolution:	Standard and Fine (Only Fine mode, 200 dpi in Windows NT 4.0.)
Dial type:	Tone / Pulse
Cover page:	A custom cover page can be created
Phone book:	Up to 1,000 numbers can be registered
	Telephone numbers can be registered as groups (up to 64 per group)

System Requirements

External Fax Modem

The printer can accept the following type of External Fax Modem:

Interface standards: RS-232C

Fax compatibility: Class 2.0

Data transmission: 14,400 - 2,400 bps (Fax Speed)

The following External Fax Modem can be used:

♦ 3Com/U.S. Robotics 56K Faxmodem

☛ **Note:**

You cannot use a Class 1, Class 1.0 or Class 2 External Fax Modem.

PC and OS

The fax driver works on the following types of PC and operating systems (OS):

PC: IBM-PC/AT or compatible

Operating system: Microsoft Windows 3.1 / Windows 95 / Windows 98 / Windows Me / Windows NT 4.0

⚡ Caution

- The fax driver works in Windows NT 4.0 with Service Pack 3.0 or higher installed.
- You cannot use the fax function with later versions of Microsoft Windows.

CONNECTING TO THE PRINTER

Installing the External Fax Modem

> **⚡ Caution**
>
> You may have to purchase a **gender changer** to connect the RS-232C cable connected between the External Fax Modem and the serial interface on the printer, as both connectors are female.

HL-2060/HL-2400 Series/HL-3400N series

Follow the steps below to connect the External Fax Modem to your printer.

1. Turn on the printer.

2. Press the SEL switch on the control panel to set the printer off-line.

3. Press the SEL switch again while holding down the SHIFT switch. 'HIDDEN PANEL' is displayed on the LED.

1. Press the ▲ or ▼ switch until 'EXT. FAX MODEM' is displayed, then press the SET switch.

2. Select 'FAX MODEM=ON' by pressing the SET switch. (Default setting is OFF.)

3. Turn off the printer.

4. Connect the External Fax Modem to the printer referring to the figure on the next page.

HL-2460

Follow the steps below to connect the External Fax Model to your printer

1. Press the '+' to until 'INTERFACE MODE' is displayed on the printer front panel, and then press the 'SET' button.

2. At the INTERFACE menu, press the '+' or '-' keys until 'RS-232C' is displayed, then press the 'SET' button.

3. Press the 'set' button when 'FAX MODE' is displayed on the printer front panel and you will see: 'FAX MODE=OFF', press the '+' or '-' keys until 'FAX MODE=ON' is displayed and press the 'SET' button.

4. Press the 'SET' button to restart the printer.

5. Connect the External Fax Modem to the printer referring to the figure on the next page.

> **⚡ Caution**
>
> When setting "FAX MODEM=ON and the FAX MODE=OFF (HL-2460 only)", the RS-232C (serial) interface is used only for the fax function. The printer cannot receive normal print data via the serial interface. If you want to use the RS-232C interface for sending print data, set "FAX MODEM=OFF" and the FAX MODE=OFF (HL-2460 only).
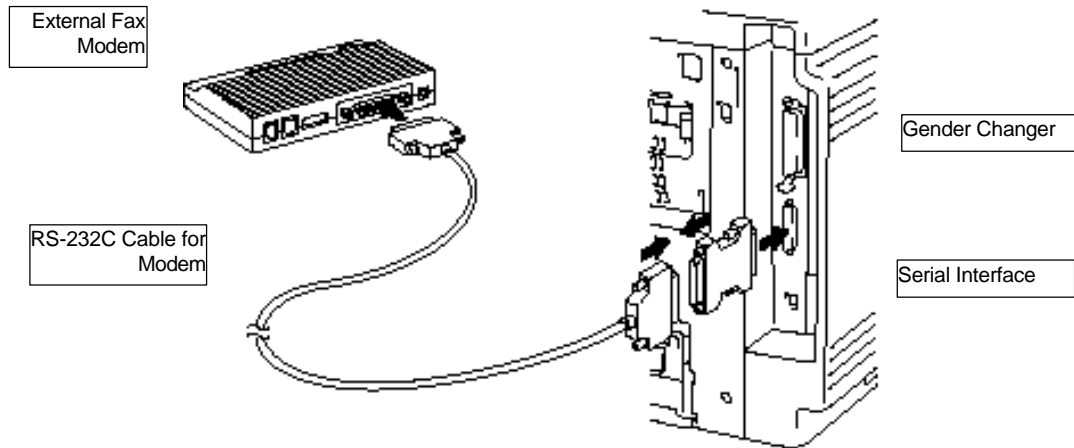
Fig. 1 External Fax Modem Connector

> **🔧 Note**
>
> For detailed setup procedure of the External Fax Modem, refer to the user's guide supplied with the External Fax Modem. Once installation is completed, be sure to turn on the External Fax Modem before turning on the printer so that the printer recognizes the modem.

Settings on the Control Panel

You can change some of the FAX settings on the printer control panel.

HL-2060/HL-2400 Series/HL-3400N series

1. Press the SEL switch to make the printer off-line.

2. Press the MODE switch to enter the Mode Menu. Then, 'INTERFACE MODE' is displayed.

3. Press the SET switch until 'ADVANCED MODE' is displayed.

4. Press the SET switch.

5. Press the SET switch until 'FAX MODE' is displayed.

6. Press the SET switch.

HL-2460

1. Press the '+' to until 'INTERFACE MODE' is displayed on the printer front panel, and then press the 'SET' button.

2. At the INTERFACE menu, press the '+' or '-' keys until 'RS-232C' is displayed, then press the 'SET' button.

3. Press the '+' or '-' keys to scroll through the different options. Press the SET button to select a setting and then change.

Menu	Descriptions
RING DELAY	Number of rings before the printer answers when receiving fax data. Select from 0 to 4. The factory default setting is 2.

REDUCTION	Set if the received fax data is reduced for printing or not.
	    AUTO: reduced automatically (factory default setting)
	    OFF: not reduced automatically
	    90%: reduced to 90%

FAX RAM SIZE	Set the RAM size used for the fax function. After turning the printer off and on the setting is active. The factory setting is 1MB. The maximum size that can be set is 15 MB, this depends on the memory size installed into the printer.

RECEIVE	Select if the printer is to receive fax data or not.
	When the printer only sends Fax data, select this to OFF.
	    ON: Receive fax data (factory default setting)
	    OFF: Does not receive fax data

INTERVAL	Set the interval to print a fax sent / received report. The factory setting is OFF.
	Select one of the following 7 types.
	    OFF: No printing
	    6H: every 6 hours, 12H: every 12 hours, 24H: every 24 hours
	    2D: every 2 days, 4D: every 4 days, 7D: every 7 days

USING THE FAX DRIVER

Installing the Fax Driver

Windows 95 / Windows 98 / Windows Me / Windows NT 4.0

1. Click Start, and select Printers from the Settings menu.

2. Click the Add printer icon in the Printers folder.

3. Follow the instructions that appear on the screen. If you have already created a network share on your file server, specify the share name on your file server.

> **⚑ Caution**
>
> When installing the fax driver in Windows NT 4.0, be sure to install it as a "Local Printer" in Add Printer Wizard. You should select the network port after installing the fax driver if you want to use it as a network printer. If you install the fax driver as a "Network Printer", it will not work.

Receiving Fax Messages

When the printer power is on, the printer automatically receives fax data through the External Fax Modem and prints the data. The 'FAX RECEIVING' message appears while the printer is receiving data.

You can also make a setting on the control panel to not receive fax data. For details, refer to 'Settings on the Control Panel' in this manual.

> **⚑ Caution**
>
> When the 'FAX RECEIVING' message appears on the control panel, do not turn off the printer as this will result in the fax data not being completely received.

Sending a Fax Message
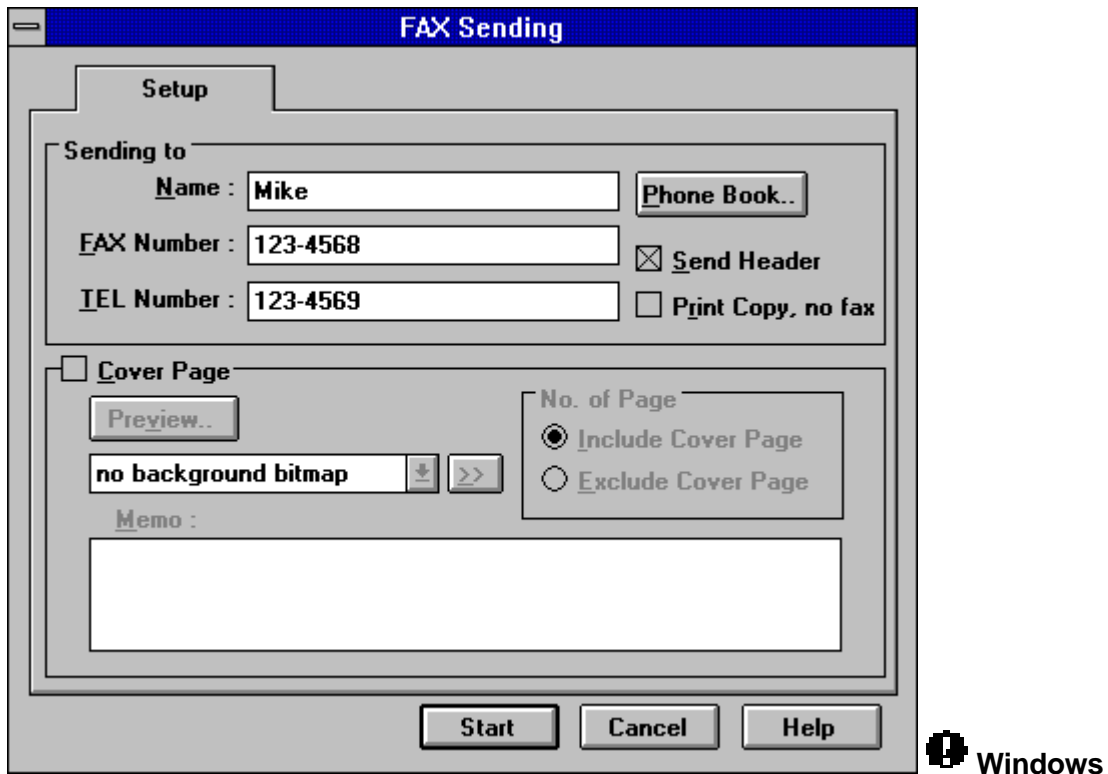
95 / Windows 98 / Windows Me / Window NT 4.0

Please note that this driver is not designed to work on Windows 2000 systems.

<Select the fax driver>

To select the driver from *the Printer Folder*:

1. Click Start, and select Printers from the Settings menu.

2. Select 'Brother FAX Share' from the list of the printer drivers installed onto your computer. Then, click the right mouse button and select Set As Default.

To select the driver from *the application software*,

1. Select Printer Setup or Page Setup in the File menu.

   (The setting dialog box appears after selecting Print in some application software.)

2. Change the printer driver to 'Brother FAX Share' in the setting dialog box.

<Send the fax message>

1. Select Print in the File menu of the application software.

2. The Print dialog box appears. Press the OK button to show the FAX Sending dialog box.

3. Enter the telephone number and other items as required and then press the Start button to send the fax data to the printer.

4. The printer sends the fax data through the External Fax Modem.

The 'FAX SENDING' message appears on the control panel while the printer is sending the fax data.

⬛ Caution

When the 'FAX SENDING' message appears on the control panel, do not turn off the printer as this will result in the fax data not being completely sent.

OTHER FUNCTIONS

Report Print

The printer automatically prints the sent / received report when the selected interval has passed. The printing intervals can be specified with the INTERVAL menu on the control panel. Refer to 'Settings on the Control Panel' make the interval setting.

Sharing the Fax Function on a Network

When the printer is shared on a network, the fax function can be also shared. Select the same printer as the one which is used as the network printer.
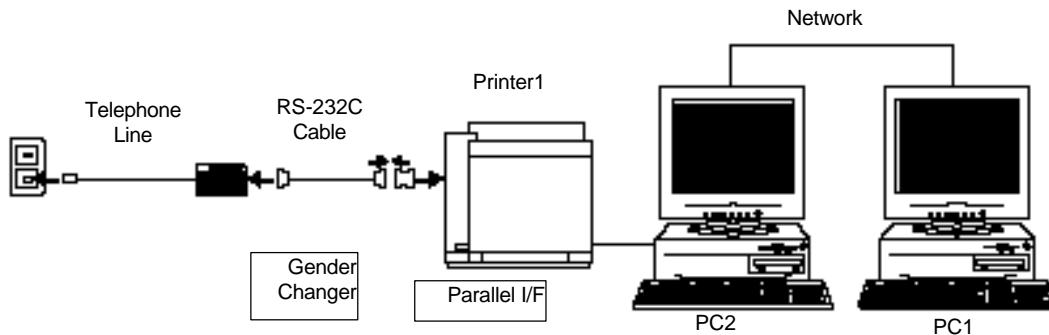
<Windows 95 / Windows 98 / Windows Me / Windows NT 4.0 Peer to Peer>

Fig. 2 Windows 95 / Windows 98 / Windows Me / Windows NT 4.0 Peer to Peer Sample

The printer with the External Fax Modem installed is connected to PC2 as shown in the above figure.

In order to send the fax data from PC1 to Printer1, set 'Print to the following port' in the Properties of Brother FAX Share '\\PC2\Printer1' in the Printer folder on PC1. (Refer to the illustration below for Windows 95.)
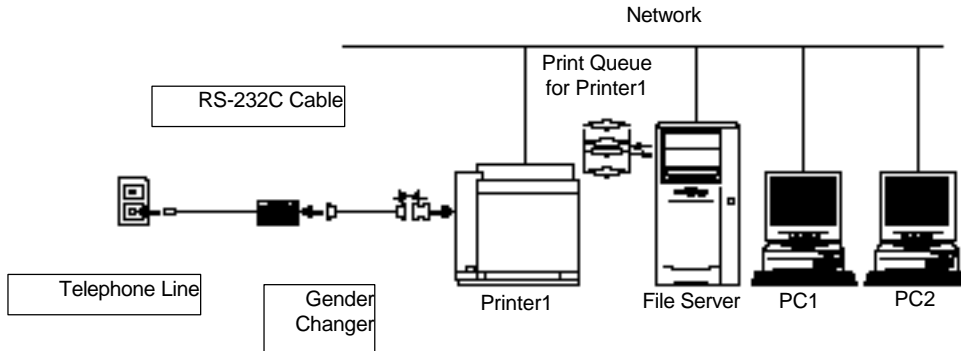
<Sharing on a file server>
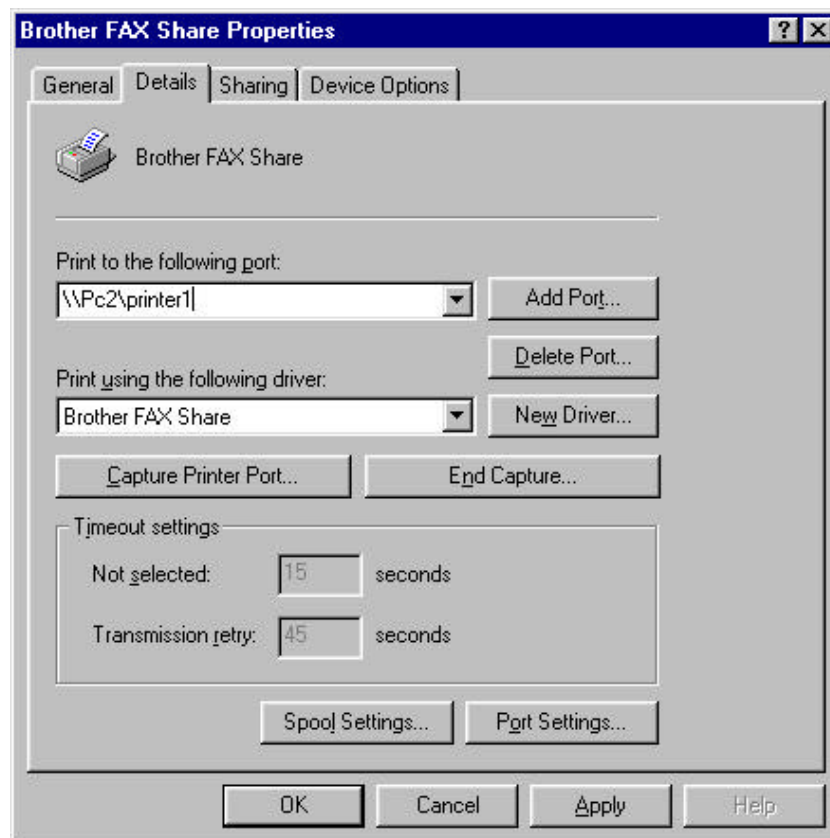
Fig. 3 Sharing on a File Server

If your printer is connected to a network through a parallel share, or via a print server connected directly to the network cable, it is possible to send faxes from each client PC directly to the printer.

For example: Printer1 has the External Fax Modem installed and is connected to the file server through the network as shown above. The print queue for Printer1 is set on the file server.

In order to send fax data from PC1 or PC2 to the External Fax Modem in Printer1, set 'Print to the following port' in the Properties of Brother FAX Share to the queue name of the shared printer on the network, e.g. '\\NWserver\Printer1' in the Printers folder of PC1 or PC2. (Refer to the illustration below for Windows 95/98/Me.)
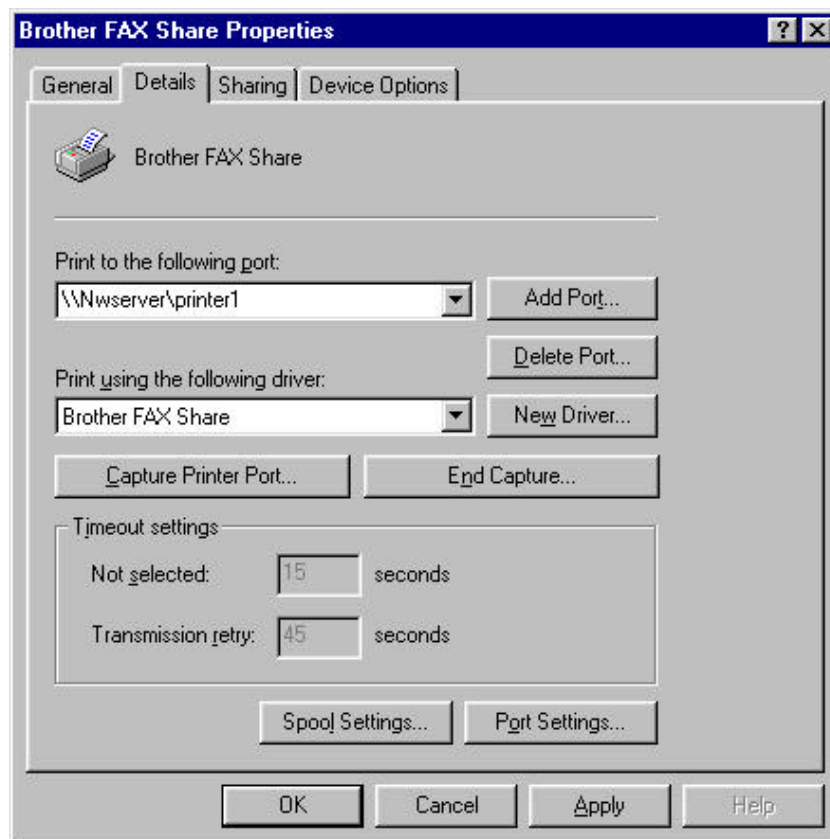
TROUBLESHOOTING

Messages on the Control Panel

Status Display

Error Message	Meaning
FAX SENDING	The printer is sending the fax data.
FAX RECEIVING	The printer is receiving the fax data.
MC READY ... MC PRINT ...	'MC' shows that the printer is in the fax mode. (MC = Modem Control)

Error Messages

If a problem occurs during use of the fax function, the following message appears;

Error Message	Meaning	Action
UNKNOWN LANGUAGE	Fax data was sent although the External Fax Modem is not selected.	Turn off and on the printer. Set 'FAX MODEM=ON' on the printer control panel.

Error Print

If one of the following errors occurs during use of the fax function, the printer prints out an error message on paper. In order to recover from the error, follow the instructions printed on the paper.

- Sending memory full
- Receiving memory full
- Other memory full
- Transmission error