



HP DesignJet 2500CP Printer

Connecting Your Printer
to a Network

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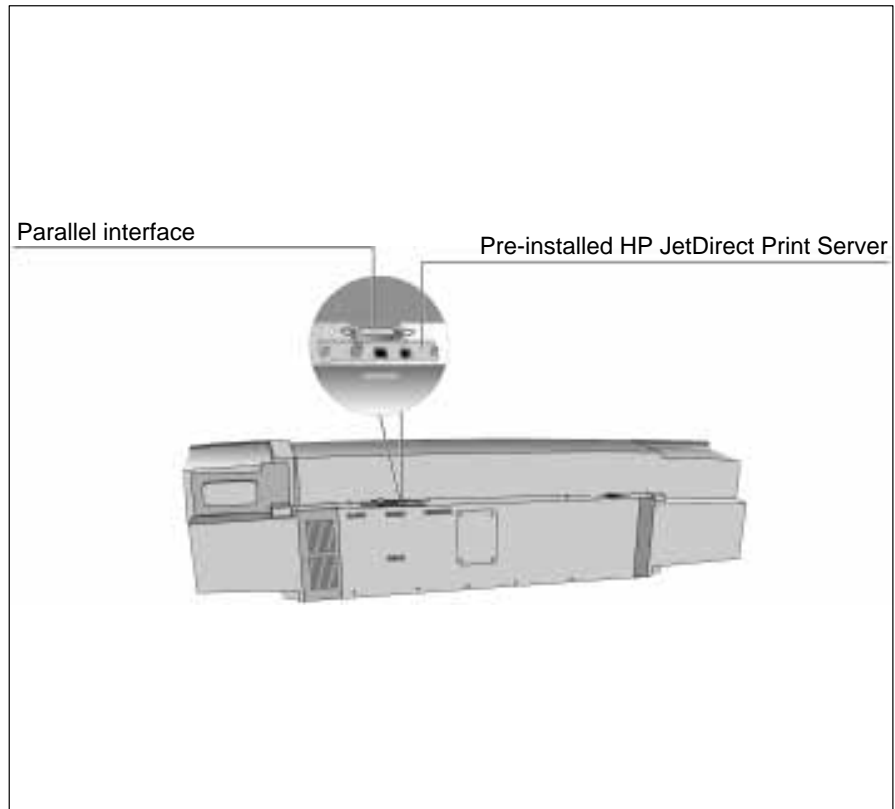
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Introduction

Your HP DesignJet 2500CP printer comes with a network interface already installed. This interface is an HP JetDirect Print Server (HP product number J2552B), which is a card installed at the rear of the printer. Looking from the rear, this is behind the parallel interface.



In this document, we also refer to the HP JetDirect Print Server simply as the HP JetDirect Card.

Networks Supported by the HP JetDirect Print Server Installed in This Printer

Supported Network Protocols	Supported Networks ¹
AppleTalk	EtherTalk LocalTalk
DLC/LLC	IBM LAN Server® Microsoft LAN Manager® Microsoft Windows for Workgroups® Microsoft Windows NT®
IPX/SPX	Novell Netware®
TCP/IP	UNIX®, including: HP-UX, Sun Microsystems, SunOS/Solaris (Sun SPARCsystems® only), SCO UNIX ² and IBM AIX ²
	<ol style="list-style-type: none">1 For supported network versions, consult your HP dealer. For support of other networks, consult your system vendor or HP dealer.2 Contact your network system vendor for software, documentation and support.

Information on supported versions is also available in the *HP JetDirect Print Server Software Installation Guide*.

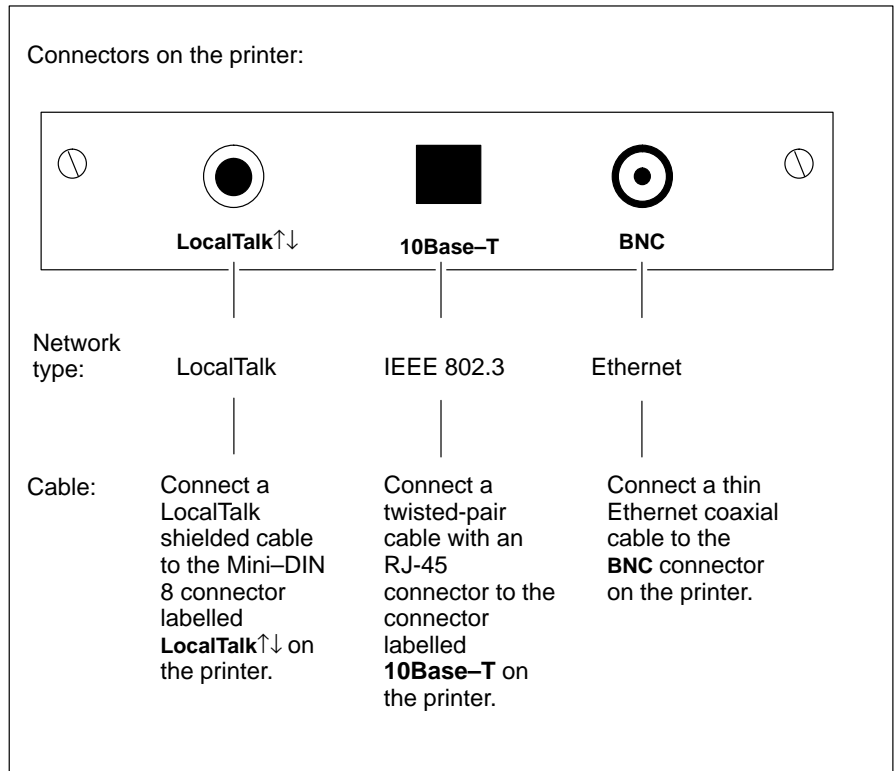
Tasks

How to set up the printer is explained in the accompanying SetUp Guide. Referring to the tasks in that guide, you should already have done steps 1 through 6. If you are connecting the printer to a network using the HP JetDirect Card, the tasks covered in this short document replace task 7 in the SetUp Guide.

You need to

- 1 connect the printer to your network (see page 4)
- 2 configure the HP JetDirect Card, using the printer's front-panel menus (see page 5)

Connecting the Printer to Your Network



Configuring the JetDirect Print Server Using the Printer's Front Panel

From the printer's front panel, you can

- Enable or disable network protocols (relevant to all networks). See page 9.
- Configure Apple EtherTalk Phase parameters (relevant only to AppleTalk networks using EtherTalk). See page 10.
- Configure TCP/IP parameters (relevant only to UNIX networks). See page 10.
- Configure Novell NetWare frame types (relevant only to Novell NetWare networks). See page 12.

All these configuration tasks are done by choosing options in the MIO SETUP menu. (MIO = modular input/output = network interface.)

To Access the MIO Setup Menu in the Front Panel

1

On the front-panel display, change the Menu mode from Short to Full.

STATUS
Ready

Press **Enter**

SHORT MENU
Queueing & Nesting →

Press ↓

SHORT MENU
Internal prints →

Press ↓

UTILITIES
Menu mode=Short →

Press **Enter**

MENU MODE
Short*

Press ↓

MENU MODE
Full

Press **Enter**

UTILITIES
Menu mode=Full →

If FULL MENU is displayed instead of SHORT MENU, you can skip the rest of this step and go to step 2.

2

Go to the MIO SETUP menu.

UTILITIES
Menu mode=Full →

Press **Previous**

FULL MENUS
Utilities →

Press ↓

FULL MENUS
I/O setup →

Press **Enter**

I/O SETUP
Modular →

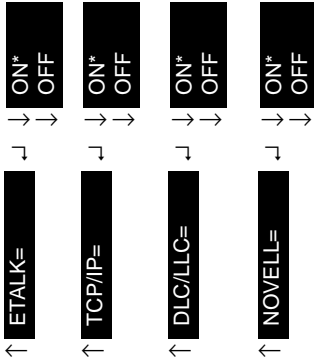
Press **Enter**

MIO SETUP
CFG NETWORK=

The MIO SETUP Menu Tree

To help you use the menu options referred to in the following tasks, the menu tree accessible from MIO SETUP is shown on the next page. Note that the navigation conventions are a little different than those used in the rest of the printer's front-panel menus (and explained in the User's Guide). So, to access a particular option, simply refer to the menu tree on the next page.

To enable or disable network protocols



Start here ...

CFG NETWORK=

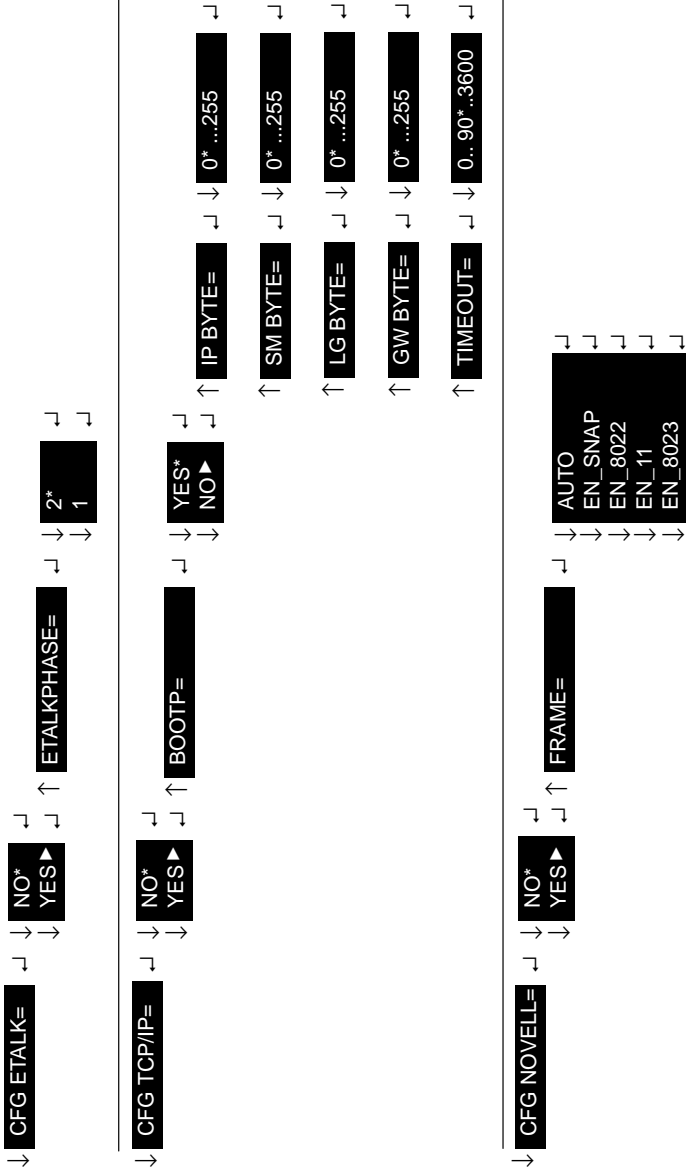
NO* YES▶



MIO SETUP Menu Tree

- ↵ = Press Enter
 - ↑ = Press up-arrow
 - ↓ = Press down-arrow
 - * = Default
 - ▶ = Choose this option in order to access the options to the right
- To move back from right to left, press Previous.

To configure network parameters



AUTO
EN_SNAP
EN_8022
EN_11
EN_8023

To Enable or Disable Network Protocols

By default, all supported protocols are enabled, the card switching automatically between them. For a reminder as to which protocols support which networks, see the table on page 3.

To see how to access these options in the MIO SETUP menu, refer to page 8. Your current setting is retained even when you switch the printer off and on again.

Protocol Option on Front Panel	Comments
ETALK	When set to ON, EtherTalk is enabled.
TCP/IP	When set to ON, TCP/IP is enabled.
DLC/LLC	When set to ON, DLC/LLC is enabled.
NOVELL	When set to ON, the Novell Netware IPS/SPX protocol is enabled.

You can disable unused protocols by setting them to OFF from the front panel. This lets you

- reduce network traffic by eliminating broadcast messages from unused protocols
- provide better control over who prints to the printer by eliminating users from other networks

To Configure the Apple EtherTalk Phase Parameter

In order to be able to configure this parameter

- The printer's graphics language must be set to Auto (the default) or PostScript (see chapter 7 of the User's Guide).
- The EtherTalk network protocol must be enabled (see page 9).

To see how to access this parameter in the MIO SETUP menu, refer to page 8.

Phase Parameter in Front Panel	Options
ETALKPHASE	2 (default) 1

To Configure TCP/IP Parameters

The following TCP/IP parameters

- IP address
- Subnet mask
- Syslog server IP address
- Default gateway
- TCP connection timeout

can either be retrieved over the network from a BOOTP download file or entered manually using the printer's front panel. By default, they are retrieved from the network (BOOTP = YES). To be able to enter them manually, set BOOTP to NO.

In order to be able to configure any of these parameters, the TCP/IP network protocol must be enabled (see page 9).

To see how to access these parameters in the MIO SETUP menu, refer to page 8.

Parameter in the Front Panel	Options	Comments
BOOTP	YES (default)	The printer retrieves its TCP/IP parameters over the network from a BOOTP download file that you set up on your UNIX system. For configuration instructions, see the <i>HP JetDirect Print Server Software Installation Guide</i> .
	NO	The printer is configured to accept TCP/IP parameters from the front panel, as listed below.
IP BYTE 1 IP BYTE 2 IP BYTE 3 IP BYTE 4	0 (default) through 255	IP address (four bytes)
SM BYTE 1 SM BYTE 2 SM BYTE 3 SM BYTE 4	0 (default) through 255	Subnet mask (four bytes)
LG BYTE 1 LG BYTE 2 LG BYTE 3 LG BYTE 4	0 (default) through 255	Syslog server IP address (four bytes)
GW BYTE 1 GW BYTE 2 GW BYTE 3 GW BYTE 4	0 (default) through 255	Default gateway (four bytes)
TIMEOUT	0 through 3600 (default 90)	Timeout for TCP/IP connections, in seconds. If set to 0, the connection remains open until closed by the server.

To Configure Novell NetWare Frame Types

In order to be able to configure this parameter, the Novell network protocol must be enabled (see page 9).

To see how to access these parameters in the MIO SETUP menu, refer to page 8.

Parameter in the Front Panel	Options	Comments
FRAME	AUTO (default)	All listed NetWare frame types will be allowed.
	EN_SNAP	Limits frame types to IPX over SNAP with IEEE 802.3 frames. All others are counted and discarded.
	EN_8022	Limits frame types to IPX over IEEE 802.2 with IEEE 802.3 frames. All others are counted and discarded.
	EN_11	Limits frame types to IPX over Ethernet frames. All others are counted and discarded.
	EN_8023	Limits frame types to IPX over IEEE 802.3 frames. All others are counted and discarded.

Next Steps

To complete the HP JetDirect Print Server configuration, you need to install and configure the relevant software on your computer. For details, see the *HP JetDirect Print Server Software Installation Guide* and the *HP DesignJet 2500CP Setup Guide*, step 8, “Set up your software”.



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