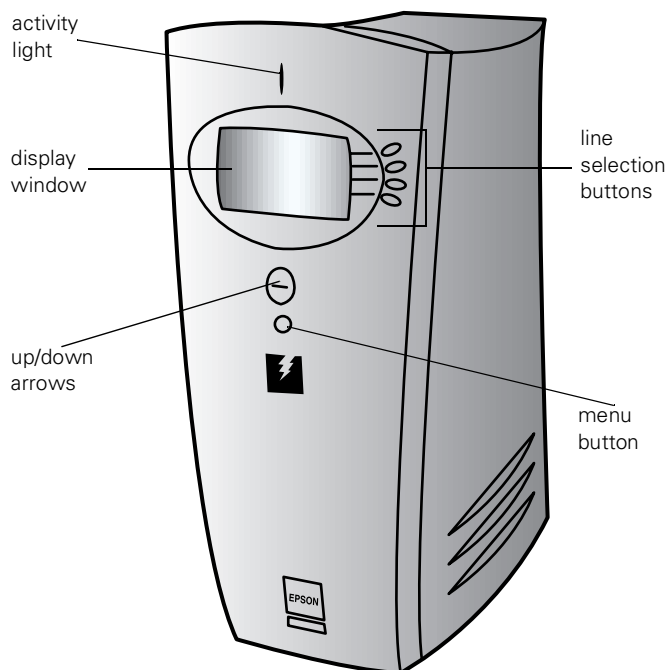
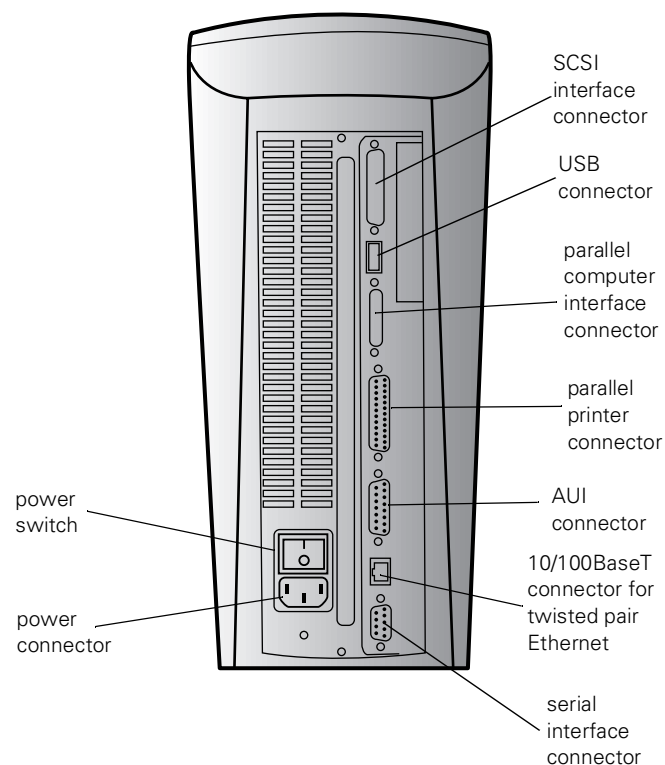




RIP Station Specifications

Controller

CPU	64-bit RISC R4700-133MHz
DRAM	32MB, SYNC DRAM DIMM (168 pin), 10ns (system software, Adobe® PostScript® 3 interpreter, and band buffer)
EEPROM	512KB EEPROM (IPL, diagnostics)
ASIC	Fiery system controller, Fiery peripheral I/F controller
HDD	Ultra DMA 2.1GB IDE (system software, fonts, VM, job spooling, Web server)
Host interface	Parallel IEEE 1284 (Nibble/ECP) Ethernet (NetWare, EtherTalk, TCP/IP) 10/100BaseT 10Base5 (AUI)
Printer interface	Parallel IEEE 1284 (Nibble/ECP)
SCSI interface	SCSI 2 (50-pin) interface for loading system software upgrades using an external CD-ROM drive



Electrical

Input voltage range	99 to 132V or 220 to 240V (universal)
Input frequency range	49.5 to 60.5 Hz
Power consumption	Less than 60W

Dimensions

Approximate Size

Width	5.91 in. (150 mm)
Depth	10.75 in. (273 mm)
Height	13 in. (330 mm)
Weight	12 lb (5.44 kg)

Environmental

Temperature	Operation: 50 to 95 °F (10 to 35 °C) Storage: -4 to 140 °F (-20 to 60 °C), stored in shipping container
Humidity	Operation: 20 to 80% RH Storage: 5 to 85% RH (stored in shipping container, without condensation)
Vibration resistance	3.0 G, 5 to 55 Hz, X, Y, Z axis

Safety Approvals

Safety standards	UL 1950, CSA C22.2 950
EMI	FCC part 15 subpart B class B CSA C108.8 class B
Ozone	Conforms to UL 478 5th edition

Remote Utility Software

The following software elements are available on the User Software CD:

Fiery Downloader™	Lets users print PostScript and Encapsulated PostScript files directly to the RIP without their applications. Also allows font management.
Fiery Spooler™	Lets users control print jobs from networked computers.
PostScript screen fonts	Installs screen fonts for the 136 fonts resident on the RIP (Mac OS only).
AdobePS printer drivers	Current versions of PostScript printer drivers for Windows and Mac OS.
PostScript Printer Description files (PPDs)	Let users access all features of the EPSON Stylus Pro 5000.
Fiery Print Calibrator™	Lets users customize and maintain press simulations.
Color Reference files	Reference pages for using the range of colors available on the printer.
Color Management files	Profiles for Mac OS and Windows color management systems.
Fiery WebTools: Status Installer WebSpooler WebLink	Support Internet or intranet access to the RIP.

Interfaces

Host Interfaces

Parallel Port

Parallel port connector pin assignments

Pin	Signal	I/O	Pin	Signal	I/O
1	Strobe	I	19	Ground	—
2	Data 1	I/O	20	Ground	—
3	Data 2	I/O	21	Ground	—
4	Data 3	I/O	22	Ground	—
5	Data 4	I/O	23	Ground	—
6	Data 5	I/O	24	Ground	—
7	Data 6	I/O	25	Ground	—
8	Data 7	I/O	26	Ground	—
9	Data 8	I/O	27	Ground	—
10	ACKNLG	O	28	Ground	—
11	Busy	O	29	Ground	—
12	PE	O	30	Ground	—
13	Selectout	O	31	Init	I
14	Autofeed	I	32	Error	O
15	NC	—	33	Ground	—
16	Ground	—	34	NC	—
17	Chassis-ground	—	35	+5V	—
18	NC	—	36	Selectin	I

Ethernet Protocols

EtherTalk	PAP Server (Ethernet Phase 2)
IPX/SPX	Novell® IPX/SPX
TCP/IP	RFC 1179, Berkeley LPR Protocol

Ethernet Interfaces

Ethernet 10/100BaseT connector pin assignments

Pin	Signal	I/O	Pin	Signal	I/O
1	TXD+	O	5	NC	—
2	TXD-	O	6	RXD-	I
3	RXD+	I	7	NC	—
4	NC	—	8	NC	—

Ethernet 10/Base5 connector pin assignments

Pin	Signal	I/O	Pin	Signal	I/O
1	Chassis-ground	—	9	CD-	I
2	CD+	I	10	TXD-	O
3	TXD+	O	11	NC	—
4	NC	—	12	RXD-	I
5	RXD+	I	13	PWR	—
6	PWR-return	I	14	NC	—
7	NC	—	15	NC	—
8	NC	—			

Printer Interface

Parallel printer port connector pin assignments

Pin	Signal	I/O	Pin	Signal	I/O
1	Strobe	I	14	Autofeed	I
2	Data 1	I/O	15	Error	O
3	Data 2	I/O	16	Init	I
4	Data 3	I/O	17	Selectin	I
5	Data 4	I/O	18	Ground	—
6	Data 5	I/O	19	Ground	—
7	Data 6	I/O	20	Ground	—
8	Data 7	I/O	21	Ground	—
9	Data 8	I/O	22	Ground	—
10	ACKNLG	O	23	Ground	—
11	Busy	O	24	Ground	—
12	PE	O	25	Ground	—
13	Selectout	O			

Control Panel Menus

When the RIP is started, the following message appears:

For software update or setup, press any key.

If a key is pressed, the following menu appears:

Setting	Options	Description
Run Setup	See Setup menu table on page 4.	See Setup menu table on page 4.
Install Software	From parallel port From SCSI port	Allows the software to be updated, either via the parallel port (using the copy command on a PC) or via the SCSI port (using an external SCSI CD-ROM drive). For authorized service technicians only.
Format Disk	Standard Full Full & Verify	High level format, clears only FAT. Low level, then high level. After full format, reads and compares all sectors. For authorized service technicians only
Upgrade Flash	—	Updates the software in the Flash ROM. For authorized service technicians only.
Flash Info	—	Shows the current version of Flash ROM.

If a key is not pressed, the Control Panel displays one of the following screens:

Info Status	Displays information about the current server and software when the RIP is not processing or printing.
Print Status	Displays status of job currently printing.
Rip Status	Displays status of job currently processing.
Alert Status	Displays error message if a problem occurs during processing or printing.

Other Menu Functions

When the Menu button is pressed, the following Functions menu appears:

Setting	Options
Print Pages	Test Page Configuration Job Log Control Panel Map Color Charts Font Lists Demo Pages
Reboot Server	—

Setup Menu

Use this menu to set the following options, which are listed in the tables at the right and on the following page:

Server Setup	Specify system options.
Network Setup	Specify all the active network systems that will transmit print jobs to the RIP.
Printer Setup	Specify the way print jobs and queues are managed on the RIP.
PS Setup	Specify default PostScript options.
Color Setup	Specify default color printing parameters.
Job Log Setup	Specify how the RIP handles its log of printer jobs.

The Setup screens include both multiple choice questions and information entry options.

Default options are shown in bold.

Setup menu

Setting	Options	Notes
Exit Setup		
Server Setup		
Server Name		
System Date		
System Time		
Print Start Page	Yes/ No	Specifies whether the RIP should print a start page every time it is powered on or rebooted.
Use Character Set	Macintosh Windows DOS	Specifies the character set to use for displaying filenames.
Enable Printed Queue	Yes /No	Creates a storage location on the RIP Station hard disk for recently printed jobs.
Jobs Saved in Printed Queue	1–99 (10)	
Save Changes	Yes /No	
Network Setup		
Exit Network Setup		
Port Setup	See Port Setup options table (page 5)	
Protocol Setup	See Protocol Setup options table (page 5)	
Service Setup	See Service Setup options table (page 6)	
Printer Setup		
Publish Direct Connection	Yes /No	Allows users to print or download jobs without spooling; allows font downloading.
Publish Print Queue	Yes /No	
Publish Hold Queue	Yes /No	
Parallel Connection	Print Queue Hold Queue Direct Connection	Determines where jobs printed to the parallel port are sent.
Save Changes	Yes /No	
PS Setup (All defaults can be overridden from applications.)		
Color Mode	Color /Grayscale	
Default Paper Sizes	US /Metric	
Allow Courier Substitution	Yes /No	If not allowed, jobs that have fonts unavailable on the RIP will not print.
Print to PS Error	No /Yes	No setting is recommended.
Save Changes	Yes /No	

Setup menu

Setting	Options	Notes
Color Setup (All defaults can be overridden from applications.)		
RGB Source	EFIRGB sRGB (PC) Apple Standard Off	Selects color space for conversion from screen to printed output.
Default CRD	Photographic Presentation Solid	Select Solid if you want to use a press simulation.
Press Simulation	Cromalin EuroSTD DIC DuPont WaterProof Euroscale SWOP-COM M SWOP-COM F None	Japanese standard European standard 3M MatchPrint Fuji ColorArt
Save Changes	Yes/No	
Job Log Setup		
Auto Print Job Log Every 55 Jobs	Yes/No	
Auto Clear Job Log Every 55 Jobs	Yes/No	
Job Log Page Size	Tabloid/A3 Letter/A4	
Save Changes	Yes/No	
Change Password		
Clear Server		Clears all spooled print jobs and the Job Log.

The available network types, and the Setup areas that pertain to them, are summarized in the following table:

For this network or connection type:	Use this port setup:	Use this protocol setup:	Use this service setup:
AppleTalk over Ethernet	Ethernet Setup	AppleTalk Setup	AppleTalk printing (PAP) is enabled automatically.
TCP/IP over Ethernet	Ethernet Setup	TCP/IP Setup: Ethernet Setup	LPD Setup, Web Services Setup
IPX/SPX over Ethernet	Ethernet Setup	IPX/SPX Setup	PServer Setup (NDS, Bindery, or both)
Parallel	Parallel Port Setup	—	—

The following options appear when you select Port Setup on the Network Setup menu:

Port Setup options

Setting	Options	Notes
Exit Port Setup		
Ethernet Setup		
Enable Ethernet	Yes/No	
Ethernet Speed	Auto Detect 100 Mbps 10 Mbps	
Parallel Port Setup		
Enable Parallel Port	No/Yes	You can use both the parallel port and Ethernet.
Port Timeout in Seconds	5–60 (5)	
Ignore EOF Character	Yes/No	Set to Yes if you want to print PostScript files in binary format.

The following options appear when you select Protocol Setup on the Network Setup menu:

Protocol Setup options

Setting	Options	Notes
Exit Protocol Setup		
AppleTalk Setup		
Enable AppleTalk	Yes/No	
AppleTalk Zone		
TCP/IP Setup		
Exit TCP/IP Setup		
Ethernet Setup		
Enable TCP/IP for Ethernet	Yes/No	
IP Address	Enter valid address	
Subnet Mask	255.0.0.0 255.255.0.0 255.255.255.0	Use if the IP address starts with a number < 128 Use if the IP address starts with a number from 128 to 191 Use if the IP address starts with a number > 191
Gateway Setup		
Gateway Address	1270.0.1	
IPX/SPX Setup		
Select Frame Types	Ethernet 802.2 Ethernet 802.3 Ethernet II Ethernet SNAP	Select all types used on your network. For other protocols, frame type is automatically set.
Clear Frame Types		

The following options appear when you select Service Setup on the Network Setup menu:

Service Setup options

Setting	Options	Notes
Exit Service Setup		
PServer Setup		
Enable Pserver	Yes/ No	Enable if you have a Novell network connected to the RIP.
LPD Setup		
Enable LPD	Yes /No	
Web Services Setup		
Enable Web Services	Yes/ No	Enable if TCP/IP is enabled on the RIP and workstations and you want to use the Fiery WebTools.

The options in the table below appear when you choose PServer on the Service Setup submenu.

Choose NDS Setup if your network uses NetWare 4.x in native mode. Choose Bindery Setup if your network uses NetWare 3.x or uses NetWare 4.x in bindery emulation mode. If your network uses both NDS and Bindery, set up NDS first.

PServer Setup options

Setting	Options
Exit PServer Setup	
NDS Setup	
Enable NDS	Yes/ No
Select NDS Tree	Select from list of trees
Navigate the NDS tree to the Print Server.	
Enter Print Server Password	
Server should look for print queues in:	Entire NDS Tree Specified subtree
Bindery Setup	
Exit Bindery Setup	
Add File Server	Select File Server From List Search Name
View Server List	
Edit Connection	
Remove File Server	
Polling Interval options	
NetWare Server Poll Interval in Seconds	1–3600 (15)
Save Changes	Yes /No

Related Documentation

10016201	RIP Station 5000 Release Notes
10016180	RIP Station 5000 Setup Guide
10016194	RIP Station 5000 User Guide
10016187	RIP Station 5000 Administrator Guide
10016208	RIP Station 5000 Color Printing Guide
10016220	RIP Station 5000 Server Installation and Service Guide
TM-STYPRO5000	EPSON Stylus Pro 5000 Service Manual
PL-STYPRO5000	EPSON Stylus Pro 5000 Parts Price List
CPD-6201	EPSON Stylus Pro 5000 Printer Guide
CPD-6202	EPSON Stylus Pro 5000 Read This First Roadmap