

Bulletin No: Network\_Connectivity

Model: SP-540/PROII

Author: Service Team

#### **Network Connectivity**

WINDOWS XP – SP & PRO II SERIES PRINTERS THAT USE VERSAWORKS HOW TO CONFIGURE THE PRINTER FOR USE WITH A CROSSOVER CABLE

Below are instructions on how to configure the computer and printer IP addresses when using a crossover cable on Windows XP. After you make the physical cable connections to the printer and computer, check to see if the green lights are lit on the back of the network card on the printer. The top light should be a solid green indicating a connection to the computer. If the top light is not lit either the crossover cable is damaged or the network card on the CPU is not functioning properly. The bottom light can either flash (indicating the network address has not been set) or stay solid (indicating that the card has a network address assigned already).



Once connectivity has been established follow these instructions to configure Windows.





ROLAND DGA CORPORATION | 15365 BARRANCA PARKWAY | IRVINE, CA 92656-2201 | WWW.ROLANDDG.COM | CERTIFIED ISO 9001:2000



2. On the "Open" command line, type "NCPA.CPL" (no quotations), then click <OK>.

Run		? 🔀
	Type the name of a program, folder, docu Internet resource, and Windows will open	iment, or it for you.
Open:	NCPA.CPL	<b>v</b>

3. In the "Network Connections" window, select the icon representing the network connection to the printer, and then click on <File, Properties>. If you are unsure which connection is needed, unplug the crossover cable from the computer and the status will change to Network Cable Unplugged. Be sure to plug the crossover cable back in after locating the proper connection

Setwork Connections			_	
File Edit View Favorites Tools Adv	anced Help			
🔇 Back - 🕥 - 🏂 🔎 Search	Folders	× 9 💷		
Address 🔕 Network Connections			~	🔁 Go
Name	Туре	Status	Device Name	Phone
LAN or High-Speed Internet	L ON or High-Speed Inter	Connected	1304 Net Adapter	
LAN or High-Speed Inter		Network cable unplugged Connected Disabled	Broadcom 440x 10/100 I	
<sup>1(P)</sup> Wireless Network Connection Local Area Connection Broadcom 440x 10/1 Wizard	When the crossover c unplugged the correc controller's status wil		able is t network l change.	
New Connection Wizard	Wizard	L		



Page 2 of 6

1/24/2008

ROLAND DGA CORPORATION | 15363 BARRANCA PARKWAY | IRVINE, CA 92618-2201 | WWW.ROLANDDG.COM | CERTIFIED ISO 9001:2000



1/24/2008

4. Double click on "Internet Protocol (TCP/IP)" in the list to open the properties page.



Select the "Use the following IP address" option, and manually assign an IP (of your choosing) to the computer network card. Most people assign the following IP = 192.168.005.100. Use subnet mask of 255.255.255.0. However if there are multiple network cards on the computer be sure to select a range that will not conflict with the existing Network Cards.

eneral You can get IP settings assigr this capability. Otherwise, you the appropriate IP settings.	ned automatically if your network supports need to ask your network administrator for	
🔘 Obtain an IP address au	tomatically	
─⊙ Use the following IP add	ress:	Enter IP address and Subnet mask
IP address:	192.168.0.10	
Subnet mask:	255 . 255 . 255 . 0	
Default gateway:		
Obtain DNS server addr Server addr Server addr Obtain DNS server addr O	ess automatically erver addresses:	
Preferred DNS server:		
Alternate DNS server:		
	Advanced	Click OK to save settings



Page 3 of 6

ROLAND DGA CORPORATION | 15363 BARRANCA PARKWAY | IRVINE, CA 92615-2201 | WWW.ROLANDDG.COM | CERTIFIED ISO 9001/2000



1/24/2008

6. Click <OK> to return to the previous window. Click <OK> again to save the changes.

The computer network card is now configured with a manually assigned IP address. Now, you have to assign an IP address to the printer.

1. Launch the print server utility to manually assign the printer IP address. If the program is installed, it will be listed under the <Start> menu. Click on <Start, All Programs> and look for an entry referring to "Roland Print Server Nettool" or "Intercon Nettool". Once located, launch that utility.

	📎 Adobe Photoshop CS2 (2)		
	🖬 InterCon-NetTool	Þ	强 InterCon-NetTool
	🛅 Citrix		
. 1	👝		

2. If the connect to the printer is working (cable is good and computer IP is configured properly), then the printer will be listed in the Nettool program. Double-click the printer to open properties for the print server.

🕰 Properties for print server: 1	72.016.002.059	· · · · · · · · · · · · · · · · · · ·
<ul> <li>Configuration         <ul> <li>General</li> <li>Printer Port</li> <li>TCP/IP</li> <li>Microsoft Windows</li> <li>NetWare</li> <li>Apple</li> <li>DNS</li> <li>Mail</li> <li>Time</li> <li>Notification</li> <li>Protection</li> <li>Logical Printer</li> <li>General</li> <li>Printer Port</li> <li>NetWare</li> <li>Apple</li> <li>Mail</li> <li>Time</li> <li>Notification</li> <li>Protection</li> <li>Logical Printer</li> <li>General</li> <li>Printer Port</li> <li>NetWare</li> <li>Apple</li> <li>Mail</li> <li>Job History</li> </ul> </li> </ul>	TCP/IP  TCP/IP  IP address Subnet mask Gateway  Host name Contact person Location DHCP B00TP RARP ARP/PING ZeroConf	000.000.000       (assigned via SNMP)         255.255.255.000       0.0         0.0.0       0         ✓ Multicast route as gateway         Assign the printer IP with 192.168.005.200 and subnet mask with 255.255.255.0.         You're not using a gateway, so leave it zero'd out.
Reload		OK Cancel

Select the "TCP/IP" configuration group and configure the settings accordingly.

3. After making the settings required, click <OK> to save the settings on the printer.



Page 4 of 6

ROLAND DGA CORPORATION | 15363 BARRANCA PARKWAY | IRVINE, CA 92618-2201 | WWW.ROLANDDG.COM | CERTIFIED ISO 9001:2000



1/24/2008

4. Finally, use the IP address that you just assigned to the printer to set in Versaworks. Open Versaworks, select Printer-> Printer Settings and enter in the printers IP address as shown.



- 5. Click verify, printer Model, Firmware, Serial Number and Status should populate in the Printer Settings window.
- 6. Click OK to save the settings.
- 7. Perform test print through Versaworks.

END DOCUMENT.



ROLAND DGA CORPORATION | 15363 BARRANCA PARKWAY | IRVINE, CA 92615-2201 | WWW.ROLANDDG.COM | CERTIFIED ISO 9001:2000



1/24/2008



ROLAND DGA CORPORATION | 15363 BARRANCA PARKWAY | IRVINE, CA 926/8-2201 | WWW.ROLANDDG.COM | CERTIFIED ISO 9001/2000

Roland DGA Service Dept.

network\_connectivity.pdf

Page 6 of 6