

# ETHERNET SETUP GUIDE

The Monarch® 7411™ wireless Ethernet Print Server lets you communicate with a Monarch® 9855® or 9860™ printer on a 10baseT or 100baseTX wired Ethernet network or on an 802.11b or 802.11g wireless network. The print server operates in Ad-Hoc (peer-to-peer) mode or infrastructure (access point) wireless mode. You can also remotely manage and download print batches, formats, printer configurations, and fonts. Refer to the MonarchNet2™ Operating Instructions found on our Web site ([www.monarch.com](http://www.monarch.com)).

The print server supports multiple network protocols for users with Telnet/FTP, Microsoft® Windows® 98, 2000, NT®, XP, and Vista™, TCP/IP (including LPR/LPD, Bootp, DHCP, and HP JetDirect™), Novell® NetWare® and SNMP. All protocols are simultaneously active.

**Note:** When turning on the printer or after sending a ^PR (printer reset) immediate command, wait at least 30 seconds before sending data to the print server. Any data sent to the print server before the 30-second interval may be lost.

## Setting Up the Print Server

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From the Main menu, select Setup, Port Settings, then Parallel Comm. Then, follow these steps:

1. Press ← or → until you see

PARALLEL COMM Port →
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2. Press **Enter/Pause**. Press ← or → until you see

PORT ← Internal
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3. Press **Enter/Pause** to select the internal port. After setting the port to internal, *change the mode to enable bi-directional communications.*

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4. Press ← or → until you see

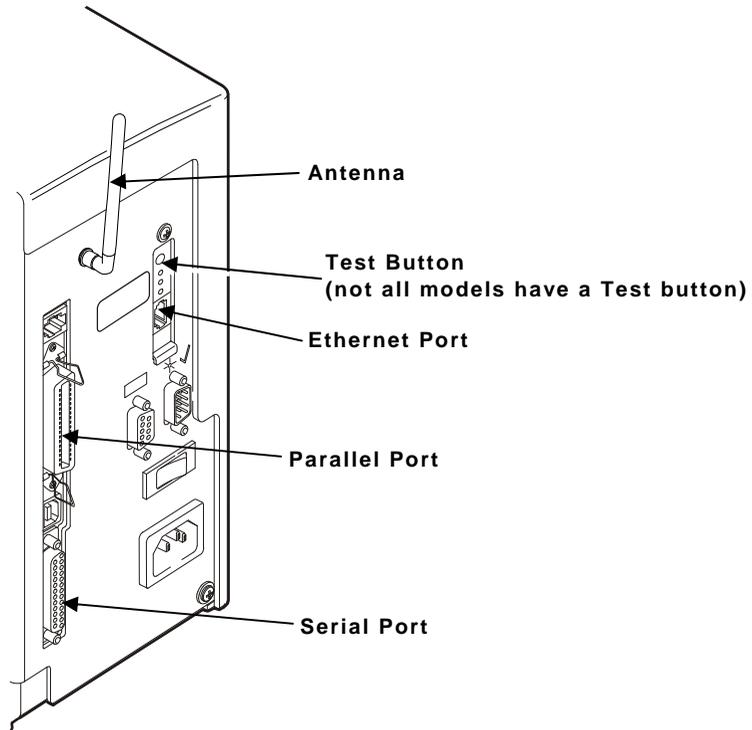
```
PARALLEL COMM
←   Mode
```

5. Press **Enter/Pause**. You will see

```
MODE
Compatible →
```

6. Press → to display the other option, **IEEE1284**, and press **Enter/Pause**. This selects IEEE1284 for bi-directional Ethernet communications. (Compatible mode is used with a computer connection and a parallel cable.) Set the Port to “External” if you want to use the parallel port.

**Note:** Turn the printer off and back on after changing the parallel port communications mode so the printer can initialize with the new port setting.



When the printer is turned on, the print server runs through a set of power-up diagnostics for a few seconds. All three LEDs blink momentarily, then indicate the following activity:

LED Indicators		Status
Orange	solid	printer is on
	blinking	error
	off	printer is off
Yellow	solid	Ethernet link (wired 10baseT)
	blinking	network activity
	off	no Ethernet connection
Green	solid	Ethernet link (wired 100baseTX)
	blinking	network activity
	off	no Ethernet connection
Yellow & Green	solid	wireless link
	blinking	network activity
	off	no wireless connection

If using network version CTMO-xxx (limited quantity produced), two LEDs indicate the following activity:

LED Indicators		Status
Green	solid	device ready
		Ethernet link
		wireless link
	blinking	network activity
Orange	blinking	error

Print a configuration label to verify which print server you have.

# Configuring the Print Server

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1. Start your Web browser.
2. Type in your printer's IP address (for example, 192.0.0.192) on your computer and press **Enter/Pause** on the printer. If you are not sure of your printer's IP address, print a configuration label.

The printer's display shows the "N" network symbol or the antenna symbol when the printer is connected and ready to receive data.

**Note:** A MonarchNet2 manual is available and included in the licensing fee. Contact your sales representative for more information.

## Printing a Configuration Label

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To print a configuration label, press the *Test* button (if available) on the back of the Ethernet print server unit.

**Note:** Use 6-inch long supply. If you are using supply that is shorter than 6 inches long, temporarily change your Supply Type in the printer menu to "continuous" to print the entire test label. After printing the test label, change your supply type to your previous setting. Some information may print outside the label edges of narrow supply.

MonarchNet 2 Network Status	
Connected – Wireless	
MAC – 00-33-22-AK-35-18	
Nwk Ver – CTMO – 7.011 (2006.4.12)	
Boot Ver – 7.6	
WiFi Ver – 1F 1.4.9	
Pm Ver – Version 3.0	
Boot Ver – Version 3.1	
IP Address	192.0.192.0
Subnet Mask	255.255.0.0
IP Gateway	192.0.192.0
(via DHCP 192.0.192.10)	
Boot Method	AUTO
Boot Tries	3
Timeout	0 min
Keep Alive	1 min
WiFi Information	
WiFi SSID	ABC123
WiFi Mode	INFRASTRUCTURE
WiFi Speed	11
WiFi WEP	Disabled
Signal Strength	72
Actual SSID	
Attached AP Mac	
Network Stats	
Packets Received	2485
Bytes Received	225990
Bad Packets Received	448
Receiver Overruns	0
Packets Transmitted	193
Bytes Transmitted	23731

**Network Version** (points to Nwk Ver)

**IP Address** (points to IP Address)