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).

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

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

1. Press ← or → until you see

   **PARALLEL COMM**
   Port →

2. Press Enter/Pause. Press ← or → until you see

   **PORT**
   ← Internal

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:

<table>
<thead>
<tr>
<th>LED Indicators</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange</td>
<td></td>
</tr>
<tr>
<td>solid</td>
<td>printer is on</td>
</tr>
<tr>
<td>blinking</td>
<td>error</td>
</tr>
<tr>
<td>off</td>
<td>printer is off</td>
</tr>
<tr>
<td>Yellow</td>
<td></td>
</tr>
<tr>
<td>solid</td>
<td>Ethernet link (wired 10baseT)</td>
</tr>
<tr>
<td>blinking</td>
<td>network activity</td>
</tr>
<tr>
<td>off</td>
<td>no Ethernet connection</td>
</tr>
<tr>
<td>Green</td>
<td></td>
</tr>
<tr>
<td>solid</td>
<td>Ethernet link (wired 100baseTX)</td>
</tr>
<tr>
<td>blinking</td>
<td>network activity</td>
</tr>
<tr>
<td>off</td>
<td>no Ethernet connection</td>
</tr>
<tr>
<td>Yellow &amp; Green</td>
<td></td>
</tr>
<tr>
<td>solid</td>
<td>wireless link</td>
</tr>
<tr>
<td>blinking</td>
<td>network activity</td>
</tr>
<tr>
<td>off</td>
<td>no wireless connection</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>LED Indicators</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td></td>
</tr>
<tr>
<td>solid</td>
<td>device ready</td>
</tr>
<tr>
<td>blinking</td>
<td>Ethernet link</td>
</tr>
<tr>
<td>off</td>
<td>wireless link</td>
</tr>
<tr>
<td>Orange</td>
<td></td>
</tr>
<tr>
<td>blinking</td>
<td>network activity</td>
</tr>
</tbody>
</table>

Print a configuration label to verify which print server you have.
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
Prn 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
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 IP Mac
Network Status
Packets Received  2485
Bytes Received  225660
Bad Packets Received  445
Receiver Overruns  0
Packets Transmitted  193
Bytes Transmitted  23731

Configuring the Print Server

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

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.