

LANTRONIX®



MatchPort™  
AR ARCHITECT

## MatchPort™ AR Quick Start

## Introduction

Use this Quick Start guide as a reference to install and configure your MatchPort AR. It will step you through hardware installation and configuration.

The MatchPort AR requires an IP address for network communications. There are three methods to assign the IP address:

- ◆ **DHCP:** When connected to a DHCP-enabled network, MatchPort AR obtains an IP address automatically. By default, the MatchPort AR is DHCP-enabled.
- ◆ **CLI:** The IP address is configurable through the MatchPort AR's Command Line Interface (CLI) using a DB9 null modem serial cable. This cable is provided with the MatchPort AR Demonstration Kit.
- ◆ **DeviceInstaller:** This utility allows you to search for the device and change the IP address to a static address (if required). DeviceInstaller is located on the MatchPort AR product CD.

Use the CLI option above when DHCP is not enabled on your network or if you are not connected to a network.

## Setting the IP Address

### IP Address

The MatchPort-AR must have an IP address that is unique on your network. If DHCP is not used, the systems administrator generally provides the IP address, subnet mask, and gateway. The IP address must be within a valid range, and in the same subnet as your PC.

**IP Address:** \_\_\_\_\_

**Subnet Mask:** \_\_\_\_\_

**Gateway:** \_\_\_\_\_

The MatchPort AR is DHCP-enabled by default.

### To assign an IP address using the serial port:

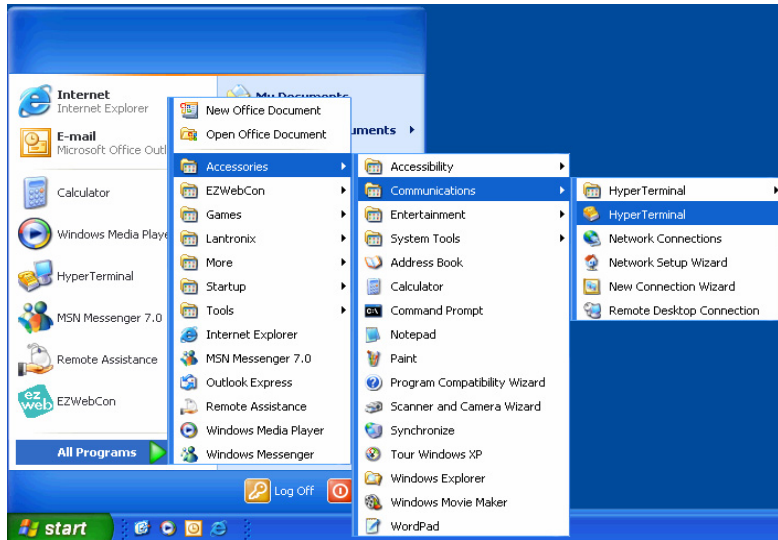
**Note:** The CLI is the industry standard mechanism for securely entering an IP address into any networking device

1. Connect one end of the null modem cable (shown below) to your PC's serial port.



2. Connect the other end of the null modem cable to port 1 of the MatchPort AR Demonstration board.
3. Open a terminal emulation program to access the CLI. This guide covers accessing the CLI using HyperTerminal.

To open HyperTerminal, click **Start → Programs → Accessories → Communications → HyperTerminal**.



4. In the Connection Description window, enter a name for this connection.



5. In the Connect To window, select **COM1** from the **Connect Using** drop-down menu.

**Note:** If the connection fails, try using **COM2** instead.



6. Configure the COM1 Properties Window to the following settings:

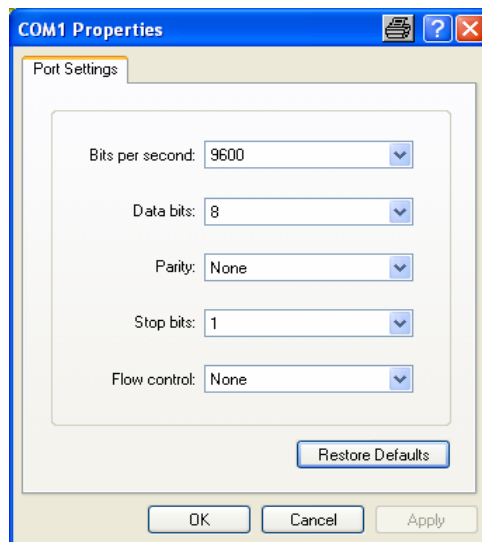
**Bits per second:** 9600

**Data Bits:** 8

**Parity:** None

**Stop Bits:** 1

**Flow Control:** None



7. To get to the MatchPort AR's CLI, power on the MatchPort AR or reset the MatchPort AR while holding down the **Shift** key and the exclamation key ( ! ) on the keyboard. Hold the keys down until the MatchPort AR displays an exclamation point.
8. After the exclamation point is displayed, type **xyz** within 5 seconds. The MatchPort AR displays **>**. This is the root level of the CLI.

The MatchPort AR's CLI is made up of multiple levels in a tree-like structure. The root level is the top of the CLI tree with multiple sub-levels below.

Any commands used to change settings on the MatchPort AR are located in the **Enable** level of the CLI or one of its sub-levels.

9. Type

**enable**

Press **Enter**. The Enable level menu displays.

10. Type:

**config**

Press **Enter**. The Config level menu displays.

11. Type:

**if 1**

Press **Enter**. This opens the **Interface 1** level of the CLI. This level of the CLI is used to configure settings related to the Ethernet interface on the MatchPort AR

12. To set the IP address and subnet mask, type:

**ip address <ip address> <subnet mask>**

Press **Enter**.

13. To set the gateway, type:

**ip default-gateway <gateway address>**

Press **Enter**.

14. To disable DHCP, type:

**no dhcp**

Press **Enter**.

**Note:** *If your network is running DHCP and you want to use a static IP address on the MatchPort AR, you must disable DHCP from the CLI.*

15. Save changes, type:

**write**

Press **Enter**.

The MatchPort AR is now set to use a static IP address, subnet mask, and gateway. The changes take effect after the unit is rebooted. Cycle the power or reset the board to reboot.

## Installing DeviceInstaller

1. Open DeviceInstaller on the CD-ROM.

If the CD does not launch automatically:

- a. Click the **Start** button on the Task Bar and select **Run**.
- b. Enter your CD drive letter, colon, backslash, **Launch.exe** (e.g., D:\Launch.exe).

2. Respond to the installation wizard prompts.

 **Note:** *For more information about DeviceInstaller, see the DeviceInstaller online help.*

## Configuration Using Web Manager

In this Quick Start Guide, we briefly describe how to configure the MatchPort AR using Web Manager, Lantronix's browser-based configuration tool. For detailed information on

Web Manager configuration and other methods, please see the *MatchPort AR User Guide*.

1. Using DeviceInstaller, select the unit and select the **Web Configuration** tab.
2. Click **Go**. The MatchPort AR Web Manager window displays in the DeviceInstaller window.

**Note:** You can also open a web browser and enter the IP address of the MatchPort AR to open Web Manager.

The screenshot shows the MatchPort AR Web Manager interface. At the top, the Lantronix logo is on the left and 'MatchPort AR Powered by Evolution OS' is on the right. A navigation menu on the left lists various system components. The main content area is titled 'Device Status' and contains several tables of configuration data.

Product Information		
Product Type:	Lantronix MatchPort AR	
Firmware Version:	1.0.0.1R1	
Build Date:	May 12 2007 (10:32:50)	
Serial Number:	100000000005	
Uptime:	0 days 20:19:15	
Permanent Config:	Saved	
Network Settings		
Ethernet:	Auto 10/100 Mbps Auto Half/Full (100 Mbps Full)	
MAC Address:	00:20:4a:80:8c:a3	
Host:		
IP Address:	172.20.197.60 / 255.255.255.0 (DHCP)	
Default Gateway:	172.20.197.254 (DHCP)	
Domain:	int.lantronix.com (DHCP)	
Primary DNS:	172.16.1.26 (DHCP)	
Secondary DNS:	172.16.1.4 (DHCP)	
Line Settings		
Line 1:	RS232, 115200, N, 8, 1, None	
Line 2:	RS232, 115200, N, 8, 1, None	
Tunneling		
	Connect Mode	Accept Mode
Tunnel 1:	Disabled	Waiting
Tunnel 2:	Disabled	Waiting

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3. Use the menu to navigate to sub pages where you can configure the MatchPort AR. Unless otherwise noted, changes are applied immediately to the MatchPort AR.