



PremierWave® XC



PremierWave® XC Quick Start Guide



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Quick Start Guide

PremierWave® XC

The PremierWave XC enables virtually any device with a serial port to connect and communicate over Ethernet or Cellular networks quickly and cost effectively. This Quick Start Guide will step you through hardware installation and initial configuration of your PremierWave XC.

WHAT'S IN THE BOX

In addition to the PremierWave XC, the box contains the following items:

- 3-pin Terminal Mating Connector
- 6-pin Terminal Mating Connector
- RJ-45 Ethernet Straight Cat5 Cable, 1.5 meter
- External Antenna, SMA Connector
- Power Supply 12VDC with International Adapters
- Mounting Components (DIN Rail Mounting Adapter, Cover Plates, Rubber Feet)
- Quick Start Guide

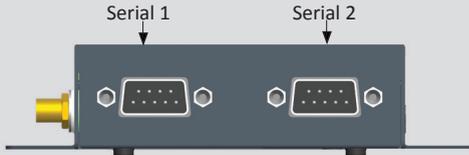
QUICK CONNECT

Complete the following steps in order.

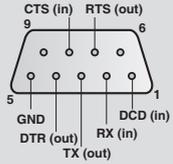
1. For Cellular connectivity, insert the SIM Card, place the SIM door accordingly and secure with the screws provided. Connect the Antenna to the connector.
2. Mount or place PremierWave XC securely.
3. Connect the Ethernet cable to the RJ45 port of the unit.
4. Supply power to your unit using the power adapter that was included in the packaging.

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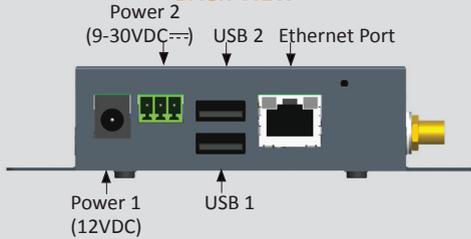
FRONT VIEW



DB9 RS-232 SERIAL CONNECTOR



BACK VIEW



BOTTOM VIEW



SIDE VIEW



IP ADDRESSING

Your unit must have a unique IP address on your network. The IP address can be assigned automatically or you can assign it manually.

DHCP

Many networks use an automatic method of assigning an IP address called DHCP. If you are unsure whether your network uses DHCP, check with your systems administrator.

The PremierWave XC looks for a DHCP server when it first powers up. You can use the DeviceInstaller™ graphical user interface to search the network if your unit has been assigned an IP address by the DHCP server. If the PremierWave XC does not acquire an IP, or you do not use DHCP, you must assign a fixed IP address.

FIXED IP ADDRESS

In most installations, a fixed IP address is desirable. The systems administrator generally provides the IP address.

The IP address must be within a valid range, unique to your network, and in the same subnet as your PC. You will need the following information before you set up the unit as described in this Quick Start Guide.

IP Address: _____

Subnet Mask: _____

Gateway: _____

The following section describes assigning an IP address using DeviceInstaller.

Note: For detailed instructions on assigning the IP address using the serial port, please see the PremierWave XC User Guide available from <http://www.lantronix.com/downloads>.

QUICK SETUP USING THE DEVICEINSTALLER UTILITY

Step 1: Install DeviceInstaller

To use the DeviceInstaller utility, first install it from the downloads page on the Lantronix web site

1. Download the latest version of DeviceInstaller from <http://www.lantronix.com/downloads>.
2. Run the executable to start the installation process.
3. Respond to the installation wizard prompts.
(When prompted to select an installation type, select **Typical**.)

Note: For more information about DeviceInstaller, see the DeviceInstaller Online Help.

Step 2: Configure Network Settings

To assign an IP address manually:

1. **Click Start > Programs > Lantronix > DeviceInstaller > DeviceInstaller.**
If your PC has more than one network adapter, a message displays. Select an adapter and click **OK**.

USING THE DEVICEINSTALLER UTILITY CONTINUED...

Note: If the unit already has an IP address (e.g., DHCP has assigned an IP address), click the **Search**  icon and select the unit from the list of Lantronix device servers on the local network.

- Click the **Assign IP** icon .
- If prompted, enter the hardware address (on the product label) and click **Next**.

Device Identification

Enter the hardware address of the device. This is typically printed on the back panel of the device in the form "12-34-56-78-9A-BC".

- Select **Assign a specific IP** address and click **Next**.
- Enter the **IP address**. The **Subnet mask** displays automatically based on the IP address; if desired, you may change it. On a local network, you can leave the **Default gateway** blank (all zeros). Click **Next**.

USING THE DEVICEINSTALLER UTILITY CONTINUED...

IP Settings

Please fill in the IP address, subnet, and gateway to assign the device. The subnet will be filled in automatically as you type, but please verify it for accuracy. Incorrect values in any of the below fields can make it impossible for your device to communicate, and can cause network disruption.

IP address:	<input type="text" value="172.19.205.52"/>
Subnet mask:	<input type="text" value="255.255.0.0"/>
Default gateway	<input type="text" value="0.0.0.0"/>

- Click the **Assign** button and wait several seconds until a confirmation message displays. Click **Finish**.
- Click the **Close** button to close the dialog box and return to the main window.

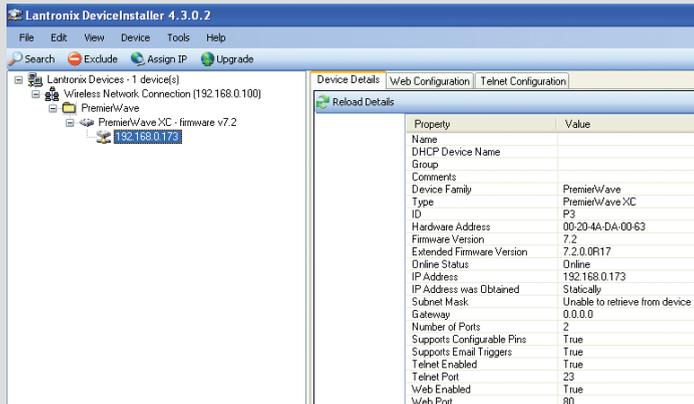
USING THE DEVICEINSTALLER UTILITY CONTINUED...

Step 3: Add the Unit to the Device List

Now add the unit to the list of similar Lantronix devices on the network so that you can manage and configure it. To perform this step, click the

Search icon . DeviceInstaller locates the unit and adds it to the list.

To view the current configuration, double-click the unit in the list.



USING THE DEVICEINSTALLER UTILITY CONTINUED...

Step 4: Complete the Configuration

Once the unit is in the device list, you can complete the configuration:

- To use a web interface (Web Manager), double-click the unit in the list and click the **Web Configuration** tab. See Configuration Using Web Manager on page 12.
- To use a Command Line Interface, double-click the unit in the list and click the **Telnet Configuration** tab.

Note: Please refer to the PremierWave XC User Guide and Command Reference for detailed instructions on configuration.

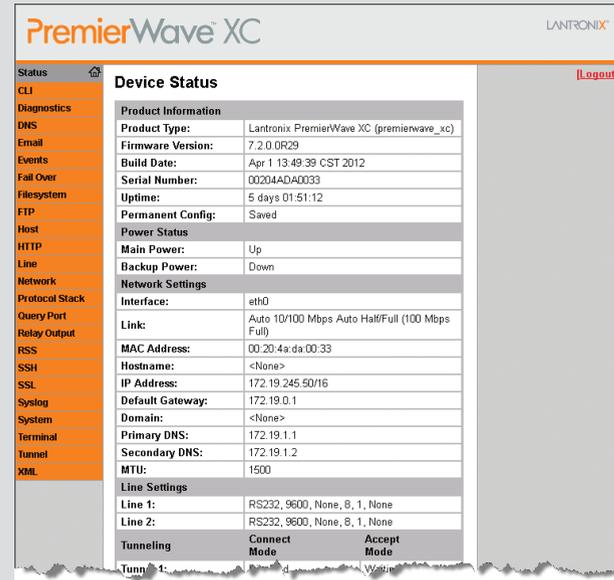
CONFIGURATION USING WEB MANAGER

In this Quick Start Guide, we briefly describe how to configure the PremierWave XC using Web Manager, Lantronix's browser-based configuration tool. For detailed information on Web Manager configuration and on other methods, please refer to the PremierWave XC User Guide.

1. Perform one of the following steps:
 - Using DeviceInstaller, select the unit, select the **Web Configuration** tab, and click **Go**.
 - Open a web browser and enter the IP address of the PremierWave XC to open Web Manager.
2. Enter your User Name (default is **admin**) and Password (default is **PASS**).

The PremierWave XC Web Manager window displays.

CONFIGURATION USING WEB MANAGER CONTINUED



The screenshot shows the PremierWave XC Web Manager interface. The top navigation bar includes the Lantronix logo and a 'Logout' link. A left-hand navigation menu lists various system components. The main content area is titled 'Device Status' and contains several sections:

- Product Information:** Product Type: Lantronix PremierWave XC (premierwave_xc), Firmware Version: 7.2.0.0R29, Build Date: Apr 1 13:49:39 CST 2012, Serial Number: 00204ADA0033, Uptime: 5 days 01:51:12, Permanent Config: Saved.
- Power Status:** Main Power: Up, Backup Power: Down.
- Network Settings:** Interface: eth0, Link: Auto 10/100 Mbps Auto Half/Full (100 Mbps Full), MAC Address: 00:20:4a:da:00:33, Hostname: <None>, IP Address: 172.19.245.50/16, Default Gateway: 172.19.0.1, Domain: <None>, Primary DNS: 172.19.1.1, Secondary DNS: 172.19.1.2, MTU: 1500.
- Line Settings:** Line 1: RS232, 9600, None, B, 1, None; Line 2: RS232, 9600, None, B, 1, None.
- Tunneling:** A table with columns for Tunneling, Connect Mode, and Accept Mode. Tunnel 1 is listed with 'None' for Connect Mode and 'Waiting' for Accept Mode.

3. Use the menu to navigate to sub pages and configure the PremierWave XC.

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LEDS	MEANING	
LED	Color	Activities
Power	Green	Power is properly supplied
Serial 1	Green	Serial port 1 is transmitting data.
	Amber	Serial port 1 is receiving data.
Serial 2	Green	Serial port 2 is transmitting data.
	Amber	Serial port 2 is receiving data.
USB 1	Green	USB device is connected to USB 1 Host port
USB 2	Green	USB device is connected to USB 2 Host port
GSM/GPRS	Green	GPRS is connected.
	Amber	GSM is connected.
FAULT	Red	Fault detected.
GSM Signal Strength	Green	3 to 5 LEDs lighted. Good to strong signal strength.
	Amber	1 to 2 LEDs lighted. Weak signal strength.

CONTACT

For questions and technical support, please check our online knowledge base at www.lantronix.com/support

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