



Mediatrix LP Series Installation – SIP

Warning: In the following installation procedures, do not disconnect the Mediatrix LP Series while the LEDs are flashing.

Thank you for choosing the Mediatrix LP Series. This Quick Start will help you to properly connect all of the cables to the Mediatrix LP unit and access its web interface.

Please read the *Mediatrix LP Hardware Installation Guide* for detailed installation information and the *Dgw v2.0 Software Configuration Guide* for in-depth configuration information.

Step 1 Connecting Cables

The following describes how to connect the various cables to the Mediatrix LP. There are many flavours of the Mediatrix LP unit (Mediatrix LP16 and Mediatrix LP24). Because of this, some of the information provided may not apply to your particular Mediatrix LP unit model.

Before you begin, make sure that you have a working network connection. Then follow these steps to install the Mediatrix LP.



1. Before you begin, be sure that the Mediatrix LP unit is powered off.
2. Connect the power cord to its connector on the rear of the unit. Do not connect the other end of the power cord to an electrical earthed socket-outlet.
3. Connect analog telephones or fax machines into the phone/fax connectors.
The Mediatrix LP16 has 8 connectors, while the Mediatrix LP24 has 16 connectors.
Use a standard telecommunication cord with a minimum of 26 AWG wire size.
4. Connect a 10/100 BaseT Ethernet RJ-45 cable into the **ETH1** connector of the unit; connect the other end to a compatible Ethernet interface that supplies TCP/IP network access (e.g., router, switch, hub or computer).
Use a standard telecommunication cord with a minimum of 26 AWG wire size.
5. Connect a 10/100 BaseT Ethernet RJ-45 cable into the **ETH2** connector of the Mediatrix LP and connect the other end to the network card of a computer.
You can either use a crossover or straight Ethernet cable because it performs automatic MDI / MDIX detection. Use a standard telecommunication cord with a minimum of 26 AWG wire size.

Step 2

IP Address Discovery or Configuration

 **Note:** This section applies to the IP configuration of the **ETH1** port.

The purpose of this section is to be able to contact the Mediatrix LP unit's web interface to start with unit configuration.

Once the physical connection is complete, you will need to power on the unit and find out the IP address it is using. The Mediatrix LP unit's IP address can be set either dynamically or statically. The default behaviour of the unit is to try to obtain a dynamic IP address through a DHCP server.

Dynamic IPv4 Address Discovery

Before connecting the Mediatrix LP unit to the network, Media5 strongly suggests that you reserve an IP address in your DHCP server for the unit you are about to connect. DHCP servers reserve IP addresses for specific devices by using a unique identifier for each device. The Mediatrix LP unit's unique identifier is its media access control (MAC) address. The MAC address appears on the label located on the bottom side of the unit.

 **Note:** Make sure any IPv4 DHCP-provided address is outside of 192.168.0.x or otherwise, contact the unit on the LAN port and change the LAN IP address for an address that does not clash with the DHCP-provided address.

If you have not reserved an IP address, you can discover which IP address has been assigned to the unit by either:

- ▶ taking one of the telephones connected to the Mediatrix LP and dialing ***#*0** on the keypad. The current IP address of the Mediatrix LP (static or DHCP) will be stated.
 - ▶ consulting your DHCP server's logs to find out details on the DHCP lease that was given to the unit.
 - ▶ using a network packet sniffer (e.g., Wireshark) to examine the DHCP messages exchanged between the unit and your DHCP server while the unit boots up.
1. If you need to discover the IP address of the Mediatrix LP unit, install and start your network packet sniffer.
 2. Power on the unit by connecting the other end of the power cord to an electrical earthed socket-outlet. The electrical outlet must be installed near the unit so that it is easily accessible.

 **Note:** If the *Power* LED is always blinking and never turns on, this means that the Mediatrix LP cannot find an IPv4 DHCP server. Check that you have a DHCP server properly configured on your network. If you do not have a DHCP server, go to the section "[Default Static IPv4 IP Address Configuration](#)" on page 2.

3. Proceed with accessing the Mediatrix LP unit web interface.

Default Static IPv4 IP Address Configuration

If there is no DHCP server in your network, then the IP address has to be configured statically.

1. With a 10/100 Hub and two 10/100 BaseT Ethernet RJ-45 straight cables, connect both cables to the Hub; one of them is connected into the **ETH1** connector. The other cable links the computer to the Hub.
2. Reconfigure the IP address of your computer to **192.168.0.10** and the Subnet Mask to **255.255.255.0**. Restart the computer.
3. Power on the Mediatrix LP unit by connecting the other end of the power cord to an electrical earthed socket-outlet. The electrical outlet must be installed near the unit so that it is easily accessible.
4. Insert a small, unbent paper clip into the **Reset / Default** hole located at the front of the unit.
The *Power* LED will start blinking, and after a few seconds, all the LEDs will start blinking. Release the paper clip after all the LEDs start blinking and before they all stop blinking (between 7-11 seconds).
This procedure is called a partial reset. After a partial reset is performed, the Mediatrix LP unit uses the default IP address 192.168.0.1/24. Refer to the *Hardware Configuration Guide*, Chapter *Powering on the Mediatrix LP* for details on the partial reset procedure.
5. Proceed with accessing the Mediatrix LP unit web interface.

IPv6 Link Local Address Configuration

You can also use the link local address to contact the unit. Note that the Mediatrix LP IPv6 interface is disabled by default.

1. With a 10/100 Hub and two 10/100 BaseT Ethernet RJ-45 straight cables, connect both cables to the Hub; one of them is connected into the **WAN** connector. The other cable links the computer to the Hub.
2. Power on the Mediatrix LP by connecting the other end of the power cord to an electrical earthed socket-outlet. The electrical outlet must be installed near the Mediatrix LP so that it is easily accessible.
3. Insert a small, unbent paper clip into the **Reset / Default** hole located at the front of the unit.

The **Power** LED will start blinking, and after a few seconds, all the LEDs will start blinking. Release the paper clip after all the LEDs start blinking and before they all stop blinking (between 7-11 seconds).

This procedure is called a partial reset. After a partial reset is performed, the Mediatrix LP unit enables its link local IPv6 address. Refer to the *Hardware Configuration Guide*, Chapter *Powering on the Mediatrix LP* for details on the partial reset procedure.

4. Proceed with accessing the Mediatrix LP's web interface by using the unit's link local address.

The unit's link local address is printed on a sticker under the unit.

The link local address can be determined by using the following pattern: [fe80::290:f8ff:feXX:XXXX] where XXXXXX are the last 6 digits of the unit's MAC address. Example: The link local address for the Mediatrix LP with MAC address 00:90:F8:12:34:56 would be

[fe80::290:f8ff:fe12:3456].



Note: On Windows, a scope ID needs to be added to the link local address ([fe80::290:f8ff:fe12:3456%11]). You can find this number by executing the 'ipconfig' command in a command prompt. Note the number at the end of the IPv6 default Gateway for the interface used to contact the unit.

On Linux, the scope identifier may be the link name or the interface number. The interface number can be determined through the Linux command line.

Step 3 Access the Mediatrix LP Unit Web Interface

1. In your web browser's address field, type the IP address of the unit:
 - ✓ obtained from the DHCP server
 - ✓ obtained in ["Default Static IPv4 IP Address Configuration" on page 2](#) (192.168.0.1), or
 - ✓ obtained in ["IPv6 Link Local Address Configuration" on page 3](#)

The *Login* page opens.

2. Enter the user name **public** and no password.

You can also use the following values:

- ✓ **User Name:** admin
- ✓ **Password:** administrator

3. Click **Login**.

The *System Information* web page displays.

Current Status	
System Description:	Mediatrix 4104
Firmware:	Dgw 2.0.20.265
Profile:	4104-MX-02000-78
MAC Address:	0090f0603a5
Serial Number:	00196009E328090635
System Uptime (D:HH:MM:SS):	1:23:29:25
System Time (DD/MM/YYYY HH:MM:SS):	15/09/2011 13:33:43

Step 4

End User Technical Support

Media5 works through its partners to resolve technical support issues. All end users requiring technical support are encouraged to contact their vendor directly.