



Mediatrix 4102/4102S Installation – SIP

Warning: In the following installation procedures, do not disconnect the Mediatrix 4102 while the LEDs are flashing.

Thank you for choosing the Mediatrix 4102. This Quick Start will help you to properly connect all of the cables to the Mediatrix 4102 and access its web interface.

Please read the *Mediatrix 4102 Hardware Installation Guide* for detailed installation information and the *Mediatrix 4102 Software Configuration Guide* for in-depth configuration information.

Step 1 Connecting Cables

The following describes how to connect the various cables to the Mediatrix 4102.

Before you begin, make sure that you have a working network connection. Then follow these steps to install the Mediatrix 4102.

1. Before you begin, be sure that the Mediatrix 4102 is powered off.
2. Connect the power cord to its connector on the Mediatrix 4102. Do not connect the other end of the power cord to an electrical outlet.
3. Connect analog telephones or fax machines into the **Phone-Fax 1** and **Phone-Fax 2** 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 **WAN** connector of the Mediatrix 4102; connect the other end to a compatible Ethernet interface that supplies TCP/IP network access (e.g., router, switch, hub or 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.
5. Connect a 10/100 BaseT Ethernet RJ-45 cable into the **LAN** connector of the Mediatrix 4102 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

The purpose of this section is to be able to contact the Mediatrix 4102's web interface to start with unit configuration.

Once the physical connection is complete, you will need to power on the Mediatrix 4102 and find out the IP address it is using. The Mediatrix 4102's IP address can be set either dynamically or statically. The default behaviour of the Mediatrix 4102 is to try to obtain a dynamic IP address through a DHCP server.

Dynamic IPv4 Address Discovery

Before connecting the Mediatrix 4102 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 4102'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 Mediatrix 4102 by either:

- ▶ taking one of the telephones connected to the Mediatrix 4102 and dialing ****0** on the keypad. The current IP address of the Mediatrix 4102 (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 Mediatrix 4102.
- ▶ using a network packet sniffer (e.g., Wireshark) to examine the DHCP messages exchanged between the Mediatrix 4102 and your DHCP server while the Mediatrix 4102 boots up.

1. If you need to discover the IP address of the Mediatrix 4102, use one of the methods listed above.
2. Power on the Mediatrix 4102 by connecting the other end of the power cord to an electrical earthed socket-outlet. The electrical outlet must be installed near the Mediatrix 4102 so that it is easily accessible.



Note: If the *Power* LED is always blinking and never turns on, this means that the Mediatrix 4102 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 4102 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 **WAN** 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 4102 by connecting the other end of the power cord to an electrical outlet. The electrical outlet must be installed near the Mediatrix 4102 so that it is easily accessible.
4. Insert a small, unbent paper clip into the **Reset / Default** hole located at the rear of the Mediatrix 4102.
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 4102 uses the default IP address 192.168.0.1/24. Refer to the *Hardware Configuration Guide*, Chapter *Powering on the Mediatrix 4102* for details on the partial reset procedure.
5. Proceed with accessing the Mediatrix 4102 web interface.

IPv6 Link Local Address Configuration



Note: This section applies if your unit supports IPv6.

You can also use the link local address to contact the unit. Note that the Mediatrix 4102 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 4102 by connecting the other end of the power cord to an electrical outlet. The electrical outlet must be installed near the Mediatrix 4102 so that it is easily accessible.
3. Insert a small, unbent paper clip into the **Reset / Default** hole located at the rear of the Mediatrix 4102.
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 4102 enables its link local IPv6 address. Refer to the *Hardware Configuration Guide*, Chapter *Powering on the Mediatrix 4102* for details on the partial reset procedure.
4. Proceed with accessing the Mediatrix 4102'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 4102 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 4102 Web Interface

The Mediatrix 4102 may have one of two versions of the SIP application available. You can distinguish them by the login page used.

Version #1

1. In your web browser's address field, type the IP address of the Mediatrix 4102:
 - ✓ 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 2](#)

The *Login* page opens.

The screenshot shows the Mediatrix login page. At the top is the Mediatrix logo. Below it is a green message: "Please enter your username and password". There are two input fields: "User Name:" and "Password:". A red arrow points to the "User Name:" field with a circled number 2. Below the "Password:" field is a "Login" button. A red arrow points to the "Login" button with a circled number 3.

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.

The screenshot shows the Mediatrix System Information page. At the top is the Mediatrix logo and a navigation bar with tabs: System, Network, DQTS, SIP, Media, Telephony, Call Router, Management, and Reboot. Below the tabs is a sub-tab bar with: Information, Services, Endpoints, and Syslog. The "Information" sub-tab is selected. The main content area is titled "Current Status" and contains a table with the following information:

System Description:	Mediatrix 4104
Firmware:	Dgw 2.0.20-265
Profile:	4104-MX-02000-76
MAC Address:	0090f0603a5
Serial Number:	001960003328090635
System Uptime (D:HH:MM:SS):	1:23:29:25
System Time (DD/MM/YYYY HH:MM:SS):	15/09/2011 13:33:43

Version #2

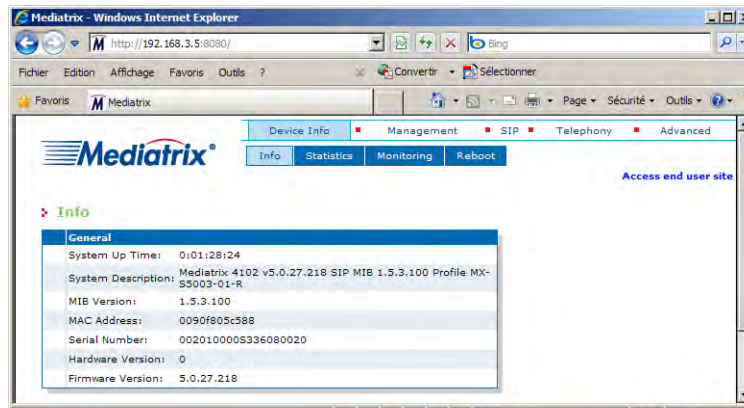
1. In your web browser's address field, type the IP address of the Mediatrix 4102 similar to the following: **http://192.16.0.1:8080**. This allows you to connect to the WAN port of the Mediatrix 4102:
 - ✓ obtained from the DHCP server, or
 - ✓ obtained in ["Default Static IPv4 IP Address Configuration" on page 2](#) (192.168.0.1)

The *Enter Network Password* page opens.

The screenshot shows the "Enter Network Password" dialog box. It has a title bar with "Enter Network Password" and a close button. The main text says: "This secure Web Site (at 10.2.128.37) requires you to log on. Please type the User Name and Password that you use for default." There are two input fields: "User Name" and "Password". A red arrow points to the "User Name" field with a circled number 2. Below the "Password" field is a checkbox labeled "Save this password in your password list". At the bottom are "OK" and "Cancel" buttons. A red arrow points to the "OK" button with a circled number 3.

2. Enter the user name **root** and the password **5678**.

3. Click **OK**.
The *Device Info* web page displays.



 **Note:** If you have Administrator credentials, you can use the *Access admin site* and *Access user site* links in the top right corner to switch between the two web interfaces.

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.