

Mediatrix 4401 / 4402 / 4404 and *plus* versions Installation

Warning: In the following installation procedures, do not disconnect the Mediatrix 4400 Series while the LEDs are flashing.

Thank you for choosing the Mediatrix 4400 Series Digital Gateway. This Quick Start will help you to properly connect all of the cables to the Mediatrix 4400 and access its web interface. You will then be redirected to various Configuration Notes documents that provide in-depth configuration steps of specific installation scenarios.

Please read the *Mediatrix 4400 Hardware Installation Guide* for detailed installation information and the *Mediatrix 4400 Software Configuration Guide* for in-depth configuration information.

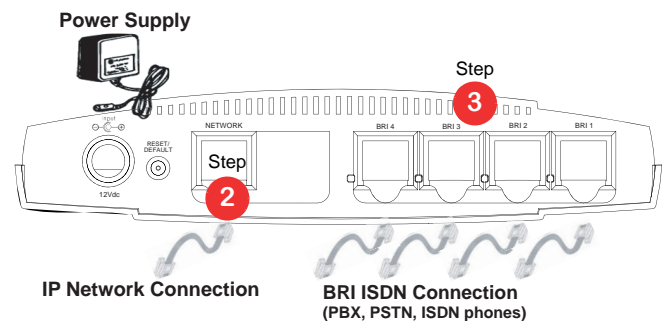
Step 1 Connecting Cables

The following describes how to connect the various cables to the Mediatrix 4400.

Before you begin, make sure that you have a working network connection. Then follow these steps to install the Mediatrix 4400.

- Step 1.** Before you begin, be sure that the Mediatrix 4400 is powered off.
- Step 2.** Connect a 10/100 BaseT Ethernet RJ-45 cable into the **NETWORK** connector of the Mediatrix 4400.
- Step 3.** Connect up to four BRI RJ-45 cables into any of the BRI connectors (labelled **BRI 1**, **BRI 2**, **BRI 3**, and **BRI 4**) (BRI connectors 2, 3, and 4 are optional and not available on all models).

- ✓ If you are using the Mediatrix 4400 with a PBX, connect the other end of the cables to the PBX.
- ✓ If you are using the Mediatrix 4400 with the PSTN, connect the other end of the cables to a proper PSTN outlet.
- ✓ If you are using the Mediatrix 4400 with ISDN telephones, connect the other end of the cables to ISDN telephones. You have two choices to power your ISDN telephones.
 - a. Provide an alternate power feeding to the ISDN telephones. This could be by plugging the telephones into a standard electrical outlet or by using an ISDN device that provides power feeding such as an S-bus. This option depends on the type of telephone you are using.
 - b. Use the Mediatrix 4400's ISDN Power Feeding feature if available. The versions of the Mediatrix 4400 that provide ISDN power feeding are identified as the Mediatrix 4401 *plus*, Mediatrix 4402 *plus*, and Mediatrix 4404 *plus*. This identification appears on the label located on the bottom side of the unit. If you have such a unit, you can directly connect your ISDN telephones. Note that not all ISDN telephones support this feature. You must also enable the feature as described in "Enable ISDN Power Feeding" on page 3.



Step 2

IP Address Discovery or Configuration

The purpose of this section is to be able to contact the Mediatrix 4400's management interface to start with unit configuration.

Once the physical connection is complete and the Mediatrix 4400 is powered up, the first thing to do is find out the IP address the Mediatrix 4400 is using. The Mediatrix 4400's IP address can be set either dynamically or statically. The default behaviour of the Mediatrix 4400 is to try to obtain a dynamic IP address through a DHCP server.

Dynamic IP Address Discovery

Before connecting the Mediatrix 4400 to the network, Mediatrix 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 4400'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.

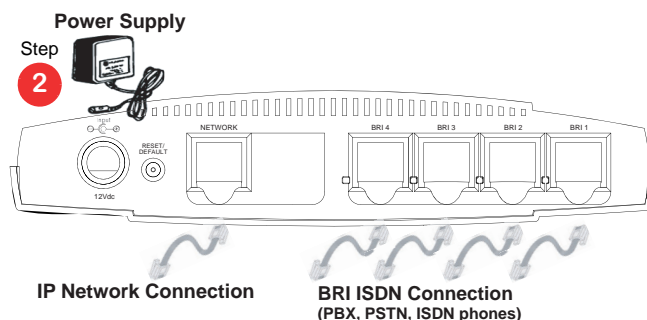
If you have not reserved an IP address, you can discover which IP address has been assigned to the Mediatrix 4400 by either:

- ▶ consulting your DHCP server's logs to find out details on the DHCP lease that was given to the Mediatrix 4400.
- ▶ using a network packet sniffer (e.g., Ethereal) to examine the DHCP messages exchanged between the Mediatrix 4400 and your DHCP server while the Mediatrix 4400 boots up.

Step 1. If you need to discover the IP address of the Mediatrix 4400, install and start your network packet sniffer.

Step 2. Power on the Mediatrix 4400 by connecting the power supply on the back of the Mediatrix 4400 and then connecting the other end to an electrical outlet. The electrical outlet must be installed near the Mediatrix 4400 so that it is easily accessible.

Step 3. Proceed with accessing the Mediatrix 4400 web interface.



Default Static IP Address Configuration

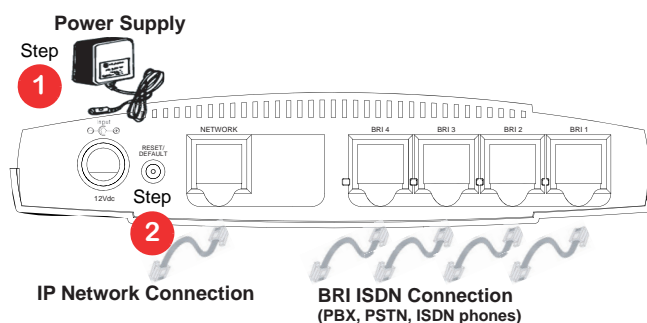
If there is no DHCP server in your network, then the IP address has to be configured statically.

Step 1. Power on the Mediatrix 4400 by connecting the power supply on the back of the Mediatrix 4400 and then connecting the other end to an electrical outlet. The electrical outlet must be installed near the Mediatrix 4400 so that it is easily accessible.

Step 2. Once the Mediatrix 4400 has finished booting up (the *PowerLED* is lit, not blinking), insert a small, unbent paper clip into the *RESET/DEFAULT* hole located at the rear of the Mediatrix 4400. The *PowerLED* 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 4400 uses the default 192.168.0.1 IP address. Refer to the *Hardware Configuration Guide*, Chapter *Powering on the Mediatrix 4400* for details on the partial reset procedure.

Step 3. Proceed with accessing the Mediatrix 4400 web interface.

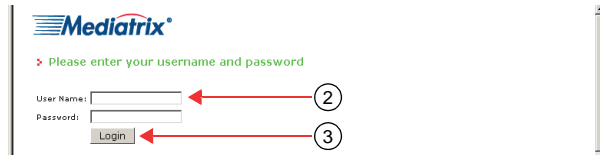


Step 3 Access the Mediatrix 4400 Web Interface

Step 1. In your web browser's address field, type the IP address of the Mediatrix 4400:

- ✓ obtained from the DHCP server, or
- ✓ you have configured statically, or
- ✓ obtained in Step 2 (192.168.0.1)

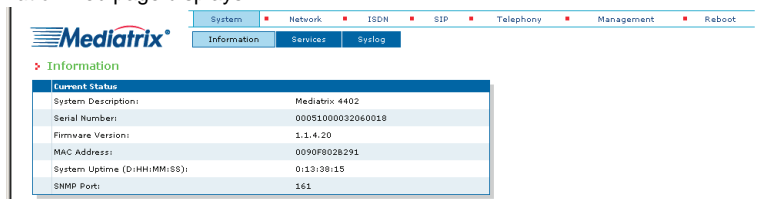
The *Login* page opens.



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

Step 3. Click **Login**.

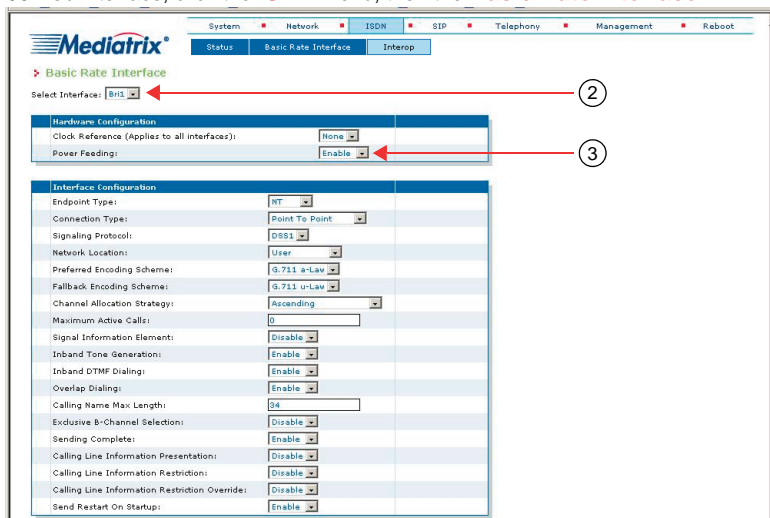
The *System Information* web page displays.



Step 4 Enable ISDN Power Feeding

If you are using the Mediatrix 4400 ISDN power feeding feature to power your ISDN telephones, you must enable it.

Step 1. In the Mediatrix 4400 web interface, click the **ISDN** menu, then the **Basic Rate Interface** link.



Step 2. Select the interface for which you want to change the parameters in the **Select Interface** drop-down menu.

Step 3. In the *Hardware Configuration* section, set the Power Feeding drop-down menu to **Enable**.

Step 4. Click on **Submit**.

Note: The ISDN power feeding feature can only be enabled in Network (NT) mode and this depends on the installation scenario you are using. See "Apply the Configuration for One of the Specific Installation Scenarios" on page 4 for more details.

Step 5

Apply the Configuration for One of the Specific Installation Scenarios

Mediatrix offers the following configuration notes that provide in-depth configuration steps of specific Mediatrix 4400 installation scenarios:

- ▶ VoIP Trunking with a Legacy PBX.
- ▶ VoIP Gateway with the PSTN.
- ▶ ISDN Telephones.

These configuration notes, as well as all the Mediatrix 4400 documentation, are located on a self register web-portal. You will thus be able to access and download the most current Mediatrix documentation. Follow this link to register: <https://support.mediatrix.com/DownloadPlus/Download.asp>.

Step 6

End User Technical Support

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