



Installation – MGCP/NCS

Warning: In the following installation procedures, do not disconnect the Mediatrix 4104 while the LEDs are flashing.

Thank you for choosing the Mediatrix 4104. This Quick Start will help you to properly connect all of the cables to the Mediatrix 4104 and access its SNMP 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 4104 Reference Manual* for detailed installation and configuration information.

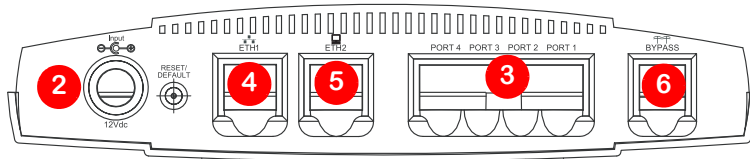
Step 1 Connecting Cables

The following describes how to connect the various cables to the Mediatrix 4104.

Before you begin, make sure that you have a working network connection. Then follow these steps to install the Mediatrix 4104.

The following describes how to connect the various cables to the Mediatrix 4104.

1. Before you begin, be sure that the Mediatrix 4104 is powered off.
2. Connect the power cord to its connector on the Mediatrix 4104. Do not connect the other end of the power cord to an electrical outlet.
3. Connect analog telephones or fax machines into the **Port** 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 Mediatrix 4104; 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 **ETH2** connector of the Mediatrix 4104 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.
6. Connect a SCN line into the **Bypass** connector of the Mediatrix 4104 (optional).
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 4104's SNMP interface to start with unit configuration.

Once the physical connection is complete, you will need to power on the Mediatrix 4104 and find out the IP address it is using. The Mediatrix 4104's IP address can be set either dynamically or statically. The default behaviour of the Mediatrix 4104 is to try to obtain a dynamic IP address through a DHCP server.

Dynamic IP Address Discovery

Before connecting the Mediatrix 4104 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 4104'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 4104 by either:

- ▶ consulting your DHCP server's logs to find out details on the DHCP lease that was given to the Mediatrix 4104.
- ▶ using a network packet sniffer (e.g., Wireshark) to examine the DHCP messages exchanged between the Mediatrix 4104 and your DHCP server while the Mediatrix 4104 boots up.

1. If you need to discover the IP address of the Mediatrix 4104, install and start your network packet sniffer.
2. Power on the Mediatrix 4104 by connecting the other end of the power cord to an electrical outlet. The electrical outlet must be installed near the Mediatrix 4104 so that it is easily accessible.



Note: If the *Power* LED is always blinking and never turns on, this means that the Mediatrix 4104 cannot find a 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 IP Address Configuration](#)" on page 2.

3. Proceed with accessing the Mediatrix 4104 SNMP interface.

Default Static 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 of the Mediatrix 4104 and the other one 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 4104 by connecting the other end of the power cord to an electrical outlet. The electrical outlet must be installed near the Mediatrix 4104 so that it is easily accessible.
4. Insert a small, unbent paper clip into the **Reset / Default** hole located at the back of the Mediatrix 4104. 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 5-10 seconds). Only the *Power* and *Ready* LEDs should go on blinking to inform you that the recovery mode procedure has been performed.

After a recovery mode is performed, the Mediatrix 4104 uses the default IP address 192.168.0.1. Refer to the *Reference Manual*, Chapter *Installation* for details on the recovery mode procedure.

You must perform the recovery mode in a closed network and perform it on only one Mediatrix 4104 at a time, since the default IP address is the same on every unit.

5. Proceed with accessing the Mediatrix 4104 SNMP interface.

Step 3

Access the Mediatrix 4104 SNMP Interface



Note: You can access the SNMP interface via the IP address of the **ETH1** interface.

The Mediatrix 4104 software parameters are fully programmable by using the SNMP protocol. You may use the Media5' Unit Manager Network product to access and configure these parameters.

1. Download the Unit Manager Product and its Quick Start document from the Mediatrix Download Portal.
Follow this link: <http://www.media5corp.com/downloads>.
2. Install and start the Unit Manager Network by following the instructions on the Unit Manager Network Quick Start document.

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.