

## MP-124 DC-Powered Quick Guide

### 1 Before Installing

Congratulations on purchasing your **AudioCodes MP-124 DC-Powered Analog Media Gateway**! Before you begin using the device, ensure that the following items are included in the shipped box:

- ✓ Two brackets and screws for 19-inch rack mounting
- ✓ DC terminal block

You'll also need the following (not supplied):

- ✓ RJ-45 Ethernet cables
- ✓ PC running a Web browser



**Warning:** MP-124 devices are indoor units and therefore, must be installed **only** indoors. Routing of FXS telephony cables outdoors can be done only in conjunction with AudioCodes' approved surge protector (Circa model 4B3S-75) and proper installation and grounding. When done correctly, the installation will meet ITU-T K.21 (basic) standards. The Ethernet port interface cabling must be routed **only** indoors and must **not exit** the building.

### 2 MP-124 LEDs

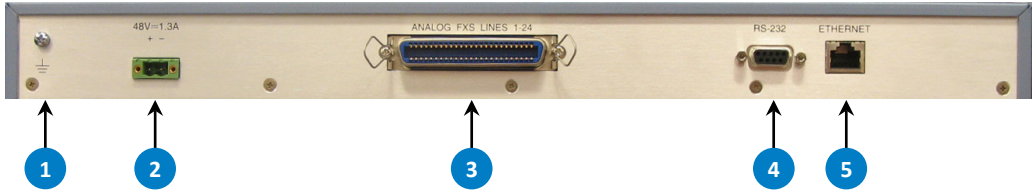
MP-124 provides LEDs on its front panel, as shown below and described in the subsequent table.



LED	Description			
Channels	● Green On: Off-hook	● Red On: Line malfunction or unavailable due to SRTP enabled	● Off: On-hook	
Data	● Green Flash: Transmitting RTP	● Red Flash: Receiving RTP	● Off: No traffic	
Control	● Green On: Sending/receiving SIP messages		● Off: No traffic	
Lan	● Green On: 10/100BaseTX link		● Red On: Malfunction	
Ready	● Green On: Power on	● Amber Flash: Initializing	● Red On: Malfunction	● Off: No power

### 3 MP-124 Ports

MP-124 provides ports on its rear-panel, as shown below and described in the subsequent table.



1	Grounding lug
2	DC power inlet
3	50-pin female Telco connector, supporting up to 24 FXS interfaces
4	DB-9 pin female connector for RS-232 serial interface
5	RJ-45 Ethernet port (10/100BaseTX)

### 4 Cabling and Installing MP-124



#### Warnings:

- Prior to installing MP-124, **proper grounding (earthing) and power-surge protection** must be done; refer to the *Hardware Installation Manual* for detailed instructions. AudioCodes' will not bear responsibility to damage that may be caused to the device as a result of not complying with the instructions detailed in the *Hardware Installation Manual*.
- Prior to connecting MP-124 to power, refer to the *Compliance and Regulatory Information* document at <https://www.audiocodes.com/library/technical-documents>.
- Connect MP-124 to a safety extra-low voltage (SELV) source that is sufficiently isolated from the mains.
- For FXS cabling, you can use your own third-party MDF connector cable or you can use AudioCodes' MP-124 FXS Patch Panel (ordered separately from AudioCodes). When using a third-party MDF for FXS cabling, to reduce noise interference, use a twisted-pair Octopus cable terminated on a metal-hooded 50-pin Telco connector.

#### ☞ To cable and install MP-124:

1. Connect the Ethernet port to your LAN switch, using the RJ-45 Ethernet cable connector.
2. Connect MP-124 to FXS-based analog equipment (for example, telephone, fax, and modem):
  - **Third-party MDF:** Using a twisted 25-pair Octopus cable, connect each wire pair to its corresponding MDF adaptor block socket, and then connect the wire-pairs at the other end to a 50-pin male Telco connector. Connect this to the MP-124 50-pin female Telco connector. Connect your analog equipment to the MDF using RJ-11 cables.

- **AudioCodes MP-124 FXS Patch Panel:** Mount the Patch Panel in a 19-inch rack. Insert and fasten the Patch Panel's 50-pin male connector to the MP-124 50-pin female Telco connector. Connect your analog equipment to the Patch Panel using RJ-11 cables.
3. Connect two 18-AWG wires to the DC terminal block (ensure correct polarity), and then secure the DC terminal block to the MP-124 DC inlet. Connect the other end of the DC cable to a -48 VDC power supply; The **Ready** LED first flashes amber and then turns green after initialization completes. The **Lan** LED turns green indicating an Ethernet link.
  4. For desktop mounting, simply place MP-124 on a horizontal desk. For 19-inch rack mounting, refer to the *Hardware Installation Manual*.

## 5 Assigning an IP Address

Your MP-124 is shipped with a default IP address:

- ✓ **IP Address:** 10.1.10.10
- ✓ **Subnet:** 255.255.0.0
- ✓ **Default Gateway:** 0.0.0.0

### ☛ To change the IP address:

1. Unplug MP-124 from the network and reconnect the Ethernet port directly to a PC's LAN port, using an Ethernet crossover cable.
2. Change your PC's IP address and subnet mask to correspond with the MP-124 default IP address and subnet mask (see above).
3. In your Web browser, enter the default IP address of MP-124 (e.g., http://10.1.10.10); the MP-124 Web-based management tool opens, requesting your login credentials.
4. Log in using the default (case-sensitive) username ("Admin") and password ("Admin"), and then click **Login**.
5. Access the Interface table (**Configuration** tab > **VoIP** menu > **Network** > **IP Interfaces Table**).
6. Modify the IP address to correspond with your network IP addressing scheme, and then click **Submit**.
7. Save your settings to flash ("burn") in the Maintenance Actions page (**Maintenance** tab > **Maintenance** menu > **Maintenance Actions**); your Web browser disconnects from the MP-124 Web interface.
8. Unplug MP-124 from your PC and reconnect it to the network.
9. Restore your PC's IP address and subnet mask to their original settings, and then restart your PC and re-access the MP-124 Web interface with its newly assigned IP address.

## 6 Configuring Basic SIP Settings


Configure MP-124 with basic SIP parameters using the Web interface:

### ☛ To configure basic SIP parameters:

1. In the Coders Table page (**Configuration** tab > **VoIP** menu > **Coders and Profiles** > **Coders**), configure coders used by MP-124 that best suit your VoIP network and are supported by your VoIP provider.

Coder Name	Packetization Time	Rate	Payload Type	Silence Suppression
G.711A-law	20	64	8	Disabled

- In the Proxy & Registration page (**Configuration** tab > **VoIP** menu > **SIP Definitions** > **Proxy & Registration**), set the 'Use Default Proxy' field to **Yes** and the 'Enable Registration' field to **Enable**.

Use Default Proxy	Yes ▾
Proxy Set Table	

- Click the **Proxy Set Table** button, and then enter the IP address or domain name of the Proxy server provided by your VoIP provider.

	Proxy Address	Transport Type
1	voip_provider.com	UDP ▾

## 7 Setting up your Voice Ports

The MP-124 FXS voice ports are enabled by assigning them a phone number.

### To set up your MP-124 voice ports:

- Open the Endpoint Phone Number Table page (**Configuration** tab > **VoIP** menu > **GW and IP to IP > Hunt Group > Endpoint Phone Number**).
- In the 'Channel(s)' column, enter the port number (labeled on the rear panel) of the port that you want to enable.
- In the 'Phone Number' column, enter the port's phone number (e.g., 401). This number is typically provided by your VoIP provider.

	Channel(s)	Phone Number
1	1	4001
2	2	4002

- Click **Submit**.



**Warning:** Burn your configuration settings to flash before resetting or powering down the device; otherwise, your settings will not be preserved.

### Notice Information

This Quick Guide describes the quick setup for AudioCodes MediaPack MP-124 DC-Powered series Voice-over-IP (VoIP) SIP media gateways.

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