

AudioCodes MP114/4O/SIP

AudioCodes MediaPack MP114/4O/SIP 4 FXO Ports SIP Gateway User Manual

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your AudioCodes MediaPack MP114/4O/SIP 4 FXO Ports SIP Gateway. The MP114/4O/SIP is a standalone analog VoIP Gateway designed to connect legacy telephone equipment, fax machines, and PBX systems to IP-based telephony networks, and to integrate with new IP-based PBX architectures. It offers superior voice technology and is interoperable with leading Softswitches, H.323 Gatekeepers, and SIP servers.

SETUP

Proper setup is crucial for optimal performance of your MediaPack gateway. Please follow these steps carefully. Professional installation, configuration, and post-sales support are available as add-on services and are not included with the device.

Package Contents

- AudioCodes MediaPack MP114/4O/SIP Gateway unit
- Power adapter
- Ethernet cable
- Quick Start Guide (if included)

Physical Installation

1. **Placement:** Place the gateway on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Ensure adequate space for cable connections.
2. **Connect Power:** Connect the provided power adapter to the gateway's power input port and then plug it into a standard electrical outlet. The power LED indicator should illuminate.
3. **Connect to Network:** Connect one end of the Ethernet cable to the gateway's LAN port and the other end to your network switch or router.
4. **Connect FXO Ports:** Connect your analog telephone lines (PSTN lines) to the FXO ports on the gateway. The

MP114/4O/SIP features 4 FXO ports.



Image: Front view of the AudioCodes MediaPack MP114/4O/SIP Gateway, showing the various ports for power, network, and analog line connections.

Initial Configuration

Initial configuration typically involves accessing the gateway's web-based management interface via a web browser. Refer to the Quick Start Guide or the full product documentation for default IP addresses and login credentials. Network settings, SIP server details, and FXO port parameters will need to be configured according to your specific VoIP network requirements.

OPERATING

Once configured, the AudioCodes MediaPack MP114/4O/SIP gateway operates as an interface between your analog telephone lines and your IP-based telephony network.

Key Features and Functionality

- **Voice Communication:** Facilitates voice calls between analog devices connected to the FXO ports and the IP network.
- **T.38 Fax Support:** The gateway is T.38 fax compliant, ensuring reliable fax transmission over IP networks.
- **Advanced Call Features:** Supports a rich set of subscriber features including 3-way conference with local mixing, call pickup, hunt groups, call forwarding, call hold, and call transfer.
- **Voice Quality Enhancements:** Incorporates echo cancellation, jitter buffer management, voice activity detection (VAD), and comfort noise generation (CNG) for clear audio.
- **Protocol Compliance:** Complies with MGCP, H.323v4, and SIP control protocols, ensuring broad interoperability.

Status Indicators

The front panel LEDs provide visual indications of the gateway's operational status:

- **Power LED:** Indicates power status.
- **LAN LED:** Indicates network connectivity and activity.
- **FXO Port LEDs:** Indicate the status of each analog line (e.g., on-hook, off-hook, ringing).

MAINTENANCE

Regular maintenance helps ensure the longevity and reliable operation of your AudioCodes MediaPack gateway.

- **Firmware Updates:** Periodically check the AudioCodes official website for firmware updates. Keeping the firmware current can provide new features, performance improvements, and security enhancements. Follow the manufacturer's instructions for firmware upgrade procedures.
- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Environmental Conditions:** Ensure the gateway operates within its specified environmental conditions (temperature, humidity) to prevent overheating or damage.
- **Backup Configuration:** Regularly back up your gateway's configuration settings. This allows for quick restoration in case of a factory reset or device replacement.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your MediaPack gateway.

No Dial Tone on Analog Phone

- **Check FXO Connection:** Ensure the analog telephone line is securely connected to the correct FXO port on the gateway.
- **Verify Line Status:** Check the FXO port LED indicators. If they are off or red, there might be an issue with the analog line itself or its connection.
- **Gateway Status:** Confirm the gateway has power and network connectivity (Power and LAN LEDs are on).
- **Configuration:** Verify that the FXO port is correctly configured in the gateway's web interface and registered with the SIP server.

Poor Call Quality (Echo, Jitter)

- **Network Congestion:** Check your network for congestion. Ensure sufficient bandwidth is available for VoIP traffic.

- **QoS Settings:** Verify Quality of Service (QoS) settings are properly configured on your network and the gateway to prioritize voice traffic.
- **Echo Cancellation:** Ensure echo cancellation is enabled and properly tuned in the gateway's configuration.

Gateway Not Accessible on Network

- **LAN Connection:** Ensure the Ethernet cable is securely connected to the gateway's LAN port and your network device. Check the LAN LED.
- **IP Address:** Verify the gateway's IP address. If it's set to DHCP, check your DHCP server. If it's static, ensure your computer is on the same subnet or can route to it.
- **Firewall:** Check for any firewall rules on your network that might be blocking access to the gateway's management interface.

SPECIFICATIONS

Feature	Detail
Model Number	MP114/4O/SIP
Brand	AudioCodes
Manufacturer	Audiocodes
Ports	4 FXO Ports
Dimensions (L x W x H)	8.66 x 6.77 x 1.65 inches
Item Weight	1.1 pounds
Color	Blue
Protocols Supported	MGCP, H.323v4, SIP
Fax Support	T.38 compliant
Voice Features	Echo cancellation, jitter buffer, VAD, CNG

WARRANTY AND SUPPORT

For detailed warranty information regarding your AudioCodes MediaPack MP114/4O/SIP gateway, please refer to the official AudioCodes website or the warranty card included with your product. AudioCodes Mediapacks do not include setup, installation, configuration, or post-sales support as standard. These services are available as add-ons. For technical assistance or to inquire about support options, please contact your AudioCodes reseller or visit the AudioCodes support portal.

Official AudioCodes Website: www.audiocodes.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question