

MAXCS Release 7.0

Application Note: AudioCodes MP-202 Telephone Adapter Configuration Guidelines

Intended audience: AltiGen Authorized Partners

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This guide explains the changes required to configure the AudioCodes MP-202 Telephone Adapter for fax machines.

The MP-202 adapter will be configured to communicate directly with your SIP Service Provider. The SIP Service Provider will need to provision an additional SIP trunk group for this purpose.

IMPORTANT: AltiGen does not provide general configuration support for AudioCodes products. AltiGen only supports the MP-202 device as a fax adapter. A support agreement with AudioCodes is required.

The instructions in this guide are based upon an AudioCodes MP-202 device with firmware version 2.6.4_build_9_1.

Prerequisites

ALTIGEN

In order to implement fax support, your environment must meet the following requirements:

- You must be running MaxCS 7.0 Enterprise edition or MaxCS 7.0 Private Cloud
- You must have an AudioCodes MP-202 Telephone Adapter
- Your SIP Service Provider will need to provision an additional SIP Trunk group for the adapter
- You must have a dedicated public IP address
- You must have a SIP trunk with T.38 fax support

Audio Codes MP-202 Telephone Adapter Configuration

Complete these steps to configure the MP-202 device. These instructions assume that you are configuring the device for the first time.

1. Open the AudioCodes MP-202 configuration tool. The first page will prompt you to select a language. Choose a language and click **OK**.

🗅 MP20X Management Con 🛛 🗙 💽					
	des			МР	-202 B 2FXS
			🔒 Welcome to Your MP20	x	
	This is your first login to MP2 Use http://192.168.2.1 in or To conveniently access MP20 You should make sure that c	0X Management Console. der to access MP20X Mana X Management Console yo ookies are enabled in the b	Attention gement Console. u can press CTRL+D to add it to your 'Far rowser. To do that you should go to Edit-	vorites'. >Prefrences->Privacy->Cookie	15.
		Please	select language for MP20X Managemer	nt Console:	
		Language:	EN English	•	
			√ OK		
Tarathe and the and the and the second pro-					

2. Enter the user name admin and enter a password for this configuration tool. Click OK.



3. On the left, select Network Connections.



4. In the *Action* column, click the **Edit** icon in the row for the WAN interface. You will always use the WAN interface for the SIP trunk network.

5. Click Settings.

- 6. Configure the WAN Ethernet properties. You will set the WAN link to static by selecting settings and changing from the default value of DHCP to static address.
 - Enter the public IP address, Default gateway address, and the subnet mask.
 - Specify which DNS server should be used. (The figure shows a cloud DNS IP address of 4.2.2.1).

	(🖌 WAN Ethe	rnet Propertie	25
				Disable
Name:			WAN Ethernet	
Device Name:			eth0	
Status:			Connected	
Network:			WAN	
Connection Type:			Ethernet	
MAC Address:			00:90:8f:2e:70:70	:
IP Address:			23.24.131.85	
Subnet Mask:			255.255.255.248	
Default Gateway:			23.24.131.86	
DNS Server:			4.2.2.1 208.89.113.142	
IP Address Distribution:			Disabled	
Received Packets:			1638517	
Sent Packets:			16872	
Time Span:			266:56:43	
	🗸 ок	f Apply	🗶 Cancel	Settings

7. Click Apply. Click OK.



- 8. In the menu on the left, select **Voice Over IP**.
- 9. Click Advanced.

10. On the Signaling Protocol tab, configure the following settings:

- Set SIP Transport Protocol to UDP.
- Check the Use SIP Proxy checkbox.
- For the *Proxy IP Address or Host Name*, enter the SIP Trunk gateway IP address that the ATA will be connecting to. This will be the **Signaling IP address that Intelepeer provided** when you ordered the new SIP trunk.
- Clear the Use SIP Proxy IP and Port for Registration checkbox.
- Set SIP Security to Allow All SIP traffic.

Signaling Protocol	
Signaling Protocol:	SIP
SIP Transport Protocol:	
Local SIP Port:	5060
Gateway Name - User Domain:	
Enable PRACK	
Include ptime in SDP	
Enable rport	
Connect media on 180	
Enable Keep Alive using OPTIONS	
SIP Proxy and Registrar	
✓ Use SIP Proxy	
Proxy IP Address or Host Name:	68.68.118.39
Proxy Port:	5060
Maximum Number of Authentication Retries:	4
Use SIP Proxy IP and Port for Registration	
Sip Security:	Allow All SIP traffic

11. Click Apply. Click OK.

12. Along the top, select the **Media Streaming** tab.



13. In the *Codecs* section, set codecs 1, 3, 4, 5, and 6 to **G.711 kbps u-Law**. Set codec 2 to **G.729**. Set *Packetization Time* to **20** for all codecs.

Codecs		
Codecs Priority	Supported Codecs	Packetization Time (milliseconds)
1st Codec	G.711, 64kbps, u-Law 🔻	20 •
2nd Codec	G.729, 8kbps 🔻	20 🔻
3rd Codec	G.711, 64kbps, u-Law 🔻	20 🔻
4th Codec	G.711, 64kbps, u-Law 🔻	20 🔻

14. Along the top, select the **Voice and Fax** tab. The fields on this page should be set to their default values. Make sure that your configuration matches all of the settings in the next figure.

Gain Control	
Enable Automatic Gain Control	
Tithen Duffer	
Jider Buller (10 to 150 millioner da)	
Minimum Delay (10 to 150 milliseconds):	35 milliseconds
Optimization Factor (1 to 13):	7
Silence Compression	
Enable Silence Compression	
Echo Cancellation	
Enable Echo Cancellation	
Fax and Modem Settings	
Fax Transport Mode:	T.38 Relay
Max Rate:	14.4 Kbps 💌
Max Buffer:	1024
Max Datagram:	320
Image Data Redundancy Level:	0
T30 Control Data Redundancy Level:	0
Fax Relay Jitter Buffer Delay:	0
Error Correction Mode	
Modem Transport Mode:	Bypass 💌
Modem Bypass Payload Type:	103
Fax/Modem Bypass Codec:	G.711, 64kbps, A-Law
Enable CNG Detection	
Switch To Fax Only By The Answering Side	

15. Along the top, select the Line Settings tab. Click the Edit icon on the row that you want to change.



- 16. Add the telephone number:
 - User ID is the telephone number
 - Display Name is the same telephone number that you configured in the user ID

	Dine Settings
Line Number:	1
User ID:	3038928917
Block Caller ID	
Display Name:	3038928917
SIP Proxy	
Authentication User Name:	
Authentication Password:	
Advanced Line Parameters	
Line Voice Volume (-31 to +31 db):	0
Enable Supplementary Services	
	✓ OK X Cancel Basic <<

17. On the left menu, select **Advanced**. Click the **Remote Administration** icon to configure remote login access.





18. Check the boxes as shown in the next figure and click Apply. You have finished the configuration process.

Allow Incoming Access to the Telnet Server Using Primary Telnet Port (23) Using Secondary Telnet Port (8023)
Using Primary Telnet Port (23) Using Secondary Telnet Port (8023) Using Secure Telnet ever SSL Port (002)
Using Secondary Telnet Port (8023)
Licing Secure Telept over SSL Port (002)
osing sectre remet over 33E Fort (352)
Allow Incoming Access to the Web-Management
Using Primary HTTP Port (80)
Using Secondary HTTP Port (8080)
Using Primary HTTPS Port (443)
Using Secondary HTTPS Port (8443)
Allow SNMP Control and Diagnostic Requests
Allow Incoming SNMP Requests
Diagnostic Tools
Allow Incoming ICMP Echo Requests (e.g. pings and ICMP traceroute queries)
Allow Incoming UDP Traceroute Queries
TR-069
Enabled

AltiGen Technical Support

AltiGen does not provide general configuration support for AudioCodes products. For general configuration information, refer to your AudioCodes documentation.

AltiGen provides technical support to Authorized AltiGen Partners and distributors only. End user customers, please contact your Authorized AltiGen Partner for technical support.

Authorized AltiGen Partners and distributors may contact AltiGen technical support by the following methods:

- You may request technical support on AltiGen's Partner web site, at https://partner.altigen.com. Open a case on this site; a Technical Support representative will respond within one business day.
- Call 888-ALTIGEN, option 5, or 408-597-9000, option 5, and follow the prompts. Your call will be answered by
 one of AltiGen's Technical Support Representatives or routed to the Technical Support Message Center if no
 one is available to answer your call.

Technical support hours are 5:00 a.m. to 5:00 p.m., PT, Monday through Friday, except holidays.

If all representatives are busy, your call will be returned in the order it was received, within four hours under normal circumstances. Outside AltiGen business hours, only urgent calls will be returned on the same day (within one hour). Non-urgent calls will be returned on the next business day.

Please be ready to supply the following information:

- Partner ID
- AltiGen Certified Engineer ID
- Product serial number
- AltiWare or MAXCS version number
- Number and types of boards in the system



- Server model
- The telephone number where you can be reached

AltiGen Communications, Inc. 410 East Plumeria Dr. San Jose, CA 95134 Telephone: 888-AltiGen (258-4436) Fax: 408-597-9020 E-mail: info@altigen.com Web site: www.altigen.com

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