AudioCodes[™]

MP-20x Telephone Adapter

Frequently Asked Questions (FAQs)









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Notice

This document provides Frequently Asked Questions (FAQ's) for AudioCodes MP-20x Telephone Adapter.

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Introduction

This document provides answers to frequently asked questions (FAQs) about AudioCodes MP-20x analog telephone adapter. These FAQs are grouped under the following topics:

- Web access
- Default configuration
- Session Initiation Protocol (SIP) configuration
- Voice-over-IP (VoIP) troubleshooting
- Regional settings
- Bandwidth
- Functionalities
- Software upgrade
- Telnet/advanced configuration

For further information regarding MP-20x, you can refer to the following Web URL: <u>http://www.audiocodes.com/products/mediapack-20x</u>.

If you have any questions that are not addressed in this document, please contact AudioCodes Customer Support for further assistance.

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Frequently Asked Questions

Web Access

Q1:	How must I configure my PC in order to connect to the MP-20x Web interface?
A:	For an explanation on configuring your PC for connection to MP-20x Web interface, refer to Section "Configuring Network Parameters" in <i>LTRT-52702 MP-20x FXS Telephone Adapter Quick Installation Guide</i> .
Q2:	Why can't I access MP-20x Web interface when my PC is connected to the LAN?
Q2: A:	Why can't I access MP-20x Web interface when my PC is connected to the LAN? Access problems to MP-20x Web interface from the LAN may be caused by one of the following:

- LAN and not to the WAN.
 The IP address (URL) that you enter in your Web browser is incorrect (the MP-20x default LAN IP address is 192.168.2.1).
- The Web interface's login name and password are incorrect (the default login user name and password is "admin").
- By default, MP-20x allocates IP addresses to the LAN (i.e., DHCP server) with the IP address range of 192.168.2.2 to 192.168.2.254. The 'IP Address Distribution' screen allows you define the MP-20x DHCP server IP address pool, as shown below:

Figure 1: MP-20x IP Address Pool Allocated to LAN Hosts

IP Address Distribution						
Name	Service	Subnet Mask	Dynamic IP Range	Action		
WAN Ethernet	Disabled			-		
LAN Ethernet	DHCP Server	255.255.255.0	192.168.2.2 - 192.168.2.254	.		
		Close Con	nection List			

Any connected PC can behave as a DHCP client or with a static IP address within the range defined above.

Two PCs cannot use the same IP address for 60 minutes or less, even if the first PC was disconnected. Each IP address within the distribution range is held for a maximum of 60 minutes if used before.



Q3: Why can't I access the MP-20x Web interface while connected to the WAN?

- A: By default, access to the Web interface from the WAN is disabled.
 - > To enable access from the WAN:
 - 1. Logon to the Web interface from the LAN.
 - Access the 'Remote Administration' screen (Advanced menu > Remote Administration icon).
 - **3.** Under the **Allow Incoming Access to the Web-Management** group, select the Using Primary HTTP Port check box to enable remote connection, as shown below:

Figure 2: Enabling Remote Administration (WAN) in the Remote Administration Screen

Remote Administration							
Allowing remote administration to the MP20X is a security risk.							
	Allow Incoming Access to the Telnet Server						
	Using Primary Telnet Port (23)						
	Using Secondary Telnet Port (8023)						
	Using Secure Telnet over SSL Port (992)						
	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						
	✓ OK Y Apply X Cancel						

Q4: Why can't I ping MP-20x?

A: By default, the parameter Allow Incoming ICMP Echo Requests is disabled (in the 'Remote Administration' screen - see figure Figure 2). Therefore, to successfully ping MP-20x, enable this parameter by selecting this check box.

Q5: How do I ping/trace route from MP-20x to other devices in the network?

A: To ping/trace from MP-20x to other devices in the network, refer to *LTRT-50606 MP-20x Telephone Adapter User's Manual Ver. 2.6.2*, Section 13.6, "Diagnostics".



Q6: Can I use different types of Internet connections such as L2TP, PPTP, and PPPoE?

A: Yes.

> To change the Internet connection type:

- 1. Logon to the Web interface from the LAN.
- 2. Access the 'Quick Setup' screen (Quick Setup menu).
- **3.** From the 'Connection Type' drop-down list, select the required Internet connection type.

Figure 3: Selecting Internet Connection Type in the Web Interface

Ger Quick Setup						
Internet Connections						
WAN Ethernet						
Connection Type:	Automatic IP Address Ethernet Connection					
Name:	Manual IP Address Ethernet Connection Automatic IP Address Ethernet Connection					
Status:	Point-to-Point Protocol over Ethernet (PPPoE)					
MAC Address:	Layer 2 Tunneling Protocol (L2TP)					
IP Address:	No Internet Connection					
Subnet Mask:	255.255.0.0					
Default Gateway:	10.33.0.1					
DNS Server	10.1.1.11 10.1.1.10					



Default Configuration

Q1: How do I restore MP-20x to factory default settings?

A: You can restore MP-20x to default settings using one of the following methods:

Web interface:

- a) Logon to the Web interface.
- b) Access the 'Restore Defaults' screen (Advanced menu > Restore Defaults 12 icon).
- c) Click OK.

Figure 4: Restoring Factory Defaults in the Restore Defaults Screen

Restore Defaults					
Attention The following items will be set to default: User Defined Settings Network Connections (All connected DHCP clients will need to request new IP addresses) Also, the MP20X will have to reboot.					
Are you sure you want to restore MP20X manufacturer defaults?					

Telnet:

- a) Telnet MP-20x from the LAN.
- b) At the CLI prompt, run the following command: restore_defaults

Figure 5: Restoring Defaults using Telnet



- **Hardware Reset button:** The **Reset** button is located on the rear panel of MP-20x.
 - a) Disconnect MP-20x from power.
 - **b)** Using a sharp pointed object (such as a pin), press the button and at the same time, re-connect power to MP-20x.

For additional information, refer to *LTRT-50606 MP-20x Telephone Adapter User's Manual Ver. 2.6.2*, Section 13.5, "Restoring Default Settings".



SIP Configurations

Q1: Which SIP parameters do I have to configure for MP-20x?

- A: For configuring SIP parameters for MP-20x, refer to the following documents:
 - LTRT-52702 MP-20x FXS Telephone Adapter Quick Installation Guide, Section "Configuring VoIP Parameters"
 - LTRT-50606 MP-20x Telephone Adapter User's Manual Ver. 2.6.2, Chapter 5, "Configuring VoIP Parameters" (providing a detailed description)



VoIP Troubleshooting

Q1: How do I troubleshoot SIP calls?

A: > To troubleshoot SIP calls:

- **1.** Telnet MP-20x from the LAN.
- 2. Run the following command:

voip_set_log_level 1

Figure 6: Defining Log Level using Telnet

🛃 Telnet	192.16	8.2.1						
Gateway> Gateway> Gateway> Gateway> Gateway> Setting Returned Gateway>	voip_; the Vo Ø -	set_log IP logg	g_le ging	vel : leve	L \$1.			

- 3. Logon to the Web interface.
- 4. Access the 'System Monitoring' screen (System Monitoring menu), and then select the System Log tab:

	A System Monitoring						
Connect	tions Traffic S	ystem Log	System	Voice Over IP			
	Clear Log Refresh Press the Refresh button to update the data.						
	Time		Event	Event-Type	Details		
	Jan 1 02:11:38 2	003 S	iystem Log	Message	daemon.wam TX SIP MESSAGE CEGISTES sp:22.212.21.1 SIP/2.0 From: <sp:000000002022.212.21.1> ;tag=100dfd88-2f02210a-13c4-50029-6-ec7fa41-6 To: <sp:000000002022.212.21.1> Call-Do: 100f1098-2f022100-13c4-50029-6-7a4cc16b-6 CSeq: 1 REGISTER Via: SIP/2.0/UDP 10.33.2.47:5060;branch=z9hG4bK-6-1a56-a71c236 Max-Forwards: 70 Supported: replaces,100rel Allow: REGISTER, INVTE, ACK, BYE, REFER, NOTIFY, CANCEL, INFO, OPTIONS, PRACK, SUBSCRIBE Expires: 3600 Contact: <sp:00000002020.33.2.47:5060> User-Agent: MP202 FX5/2.6.3_build_12_test_3 Content-Length: 0 END OF SIP MESSAGE</sp:00000002020.33.2.47:5060></sp:000000002022.212.21.1></sp:000000002022.212.21.1>		
	Jan 1 02:11:38 2	003 S	System Log	Message	daemon.warn TX SIP MESSAGE REGISTER sip:22.212.21.11 SIP/2.0 From: <sip:0000000001622.212.21.11.>tga=100dfbf0-2f02210a-13c4-50029-5-2973c9da-5 To: <sip:0000000001622.212.21.11.> Call-D1: 100f093-2f0221001-313d-50029-4-2e71707c-4 CSeq: 1 REGISTER Via: SIP/2.0/UDP 10.33.2.47:5060;branch=z9hG4bK-5-162f-74c9d24 Max-Forwards: 70 Supported: replaces,100rel Allow: REGISTER, INVTE, ACK, BYE, REFER, NOTIFY, CANCEL, INFO, OPTIONS, PRACK, SUBSCRIBE Expires: 3600 Contact: <sip:000000010010.33.2.47:5060> User-Agent: MP202 FX5/2.6.3_build_12_test_3 Content-Length: 0 END OF SIP MESSAGE</sip:000000010010.33.2.47:5060></sip:0000000001622.212.21.11.></sip:0000000001622.212.21.11.>		
	Jan 1 02:11:33 2	003 S	ystem Log	Message	daemon.err get_host_name() - could not find start of host string		
	Jan 1 02:11:33 2	003 S	ystem Log	Message	daemon.warn estream: Can't read from fd 39 Connection reset by peer(131)		

Figure 7: Viewing System Logs in the Web Interface

Alternatively, you can monitor the WAN connection with a network sniffer such as Wireshark. For additional information, refer to *LTRT-58201 MP-20x Debugging and Diagnostic Tools Application Note Ver. 2.6.1*, Sections 2.1 and 2.2, and Chapter 4 "SIP Logs".



Q2: Why do I hear a fast busy tone after I pick up the phone (even though all SIP parameters have been configured)?

- A: The fast busy tone heard after the phone is off-hooked may be caused by the following:
 - The SIP user is not registered. To check if your user is registered, perform the following:
 - a) Logon to the Web interface.
 - b) Access the 'System Monitoring' screen (System Monitoring menu), and then select the Voice Over IP tab.

Figure 8: Verifying SIP User Registration in the Web Interface

System Monitoring						
Connections Traffic System System Over Log System IP						
Line	Line 1	Line 2				
Phone State	On Hook	On Hook				
SIP registration	Not Registered	Not Registered				
State	Idle	Idle				
Origin	-	-				
Remote Phone Number	-	-				
Remote ID	-	-				
Duration	-	-				
Туре	-	-				
Encoder	-	-				
Decoder	-	-				
Packets Sent	-	-				
Packets Received	-	-				
Bytes Sent	-	-				
Bytes Received	-	-				
Packets Lost	-	-				
Packets Loss Percentage	-	-				
Jitter (ms)	-	-				
Round Trip Delay (ms)	-	-				
← Close A	utomatic Refresh Off Refresh					

- The line's SIP Proxy user name and password is incorrect. To check this, perform the following:
 - a) Logon to the Web interface.
 - b) Access the 'Voice Over IP' screen (Voice Over IP menu), and then select the Line Settings tab.
 - c) Edit the required line.

Figure 9: Verifying SIP Proxy User Name and Password in the Web Interface

💮 Line	Settings
Line Number:	1
User ID:	000000001
Block Caller ID	
Display Name:	Line 1
SIP Proxy	
Authentication User Name:	user1
Authentication Password:]
Advanced Line Parameters	
✓ Enable Supplementary Services	
√ OK X C	ancel Basic <<



Q3: Why do I hear a fast busy tone when making outgoing calls (even though SIP parameters have been configured)?

A: The fast busy tone may be caused by the Proxy server not been configured with a domain name:

> To configure the Proxy with a domain name:

- 1. Logon to the Web interface.
- 2. Access the 'Voice Over IP' screen (Voice Over IP menu), and then select the Signaling Protocol tab.
- 3. Under Signaling Protocol group, in the Gateway Name User Domain field, enter the Proxy's domain name.

Figure 10: Configuring Proxy's Domain Name in the Web Interface

	Woice Over IP						
Signaling Protocol Dia	aling Media Voice and Services Line Speed Telephone Interface						
	Signaling Protocol						
	Signaling Protocol:	SIP					
	SIP Transport Protocol:	UDP 💙					
	Local SIP Port:	5060					
	Gateway Name - User Domain:	Proxy.domain.name.com					
	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:	212.25.125.1					
	Proxy Port:	5060					
	Maximum Number of Authentication Retries:	4					
	Register Expires:	3600 Seconds					
	Sip Security:	Allow All SIP traffic					

Q4: How do I troubleshoot voice echo?

- A: If you hear the echo, then the echo is caused from one of the following sources:
 - ✓ Your own handset: try replacing the handset with a new one.
 - ✓ The remote party: notify this to the far-end for it to resolve this issue.
 - If the echo is heard by the remote party, ensure that echo cancellation is activated in MP-20x:
 - a) Logon to the Web interface.
 - b) Access the 'Voice Over IP' screen (Voice Over IP menu), and then select the Voice and Fax tab.
 - c) Under the Echo Cancellation group, select the 'Enable Echo Cancellation' check box.



Regional Settings

Q1: The ring back tone and busy tone are unfamiliar. How can I adjust my call progress tone?

- A: To suite your call progress tones to your geographical location, perform the following:
 - **1.** Logon to the Web interface.
 - 2. Access the 'Regional Settings' screen (Advanced menu > Regional Settings 😰 icon).
 - 3. Select your location for regional settings.

Figure 11: Selecting Regional Location in the Web Interface



For additional information, refer to *LTRT-50606 MP-20x Telephone Adapter User's Manual Ver. 2.6.2*, Section 13.8, "Regional Settings".



Bandwidth

Q1: How can I reduce bandwidth utilization for calls from MP-20x?

A: It is recommended to use the coder G.729 to reduce bandwidth utilization to the minimum.

> To select a lower bit-rate codec:

- **1.** Logon to the Web interface.
- 2. Access the 'Voice Over IP' screen (Voice Over IP menu), and then select the Media Streaming tab.
- 3. Under the **Codecs** group, select the required codecs.

Figure 12: Selecting Codecs in the Web Interface

	Voice Over IP							
Signaling Protocol Diali	ng Media Voice Streaming Fax Service	s Line Spee Settings Dia	ed Telephone I Interface					
	Media Streaming Parameters							
	RTP Port Range - Contiguous Seri	es of 8 Ports Startin	ig From:	10000				
	DTMF Relay RFC2833 Payload Typ	e (default value 10	1):	101				
	G.726/16 Payload Type (default v	alue 98):		98				
	Quality of Service Parameters	;						
	Type Of Service (Hex):			0xb9				
	Codecs							
	Codecs Priority	Suppor	rted Codecs		Packetizatio	n Time (milliseconds)		
	1st Codec	G.729, 8kbps	*	20 🛩				
	2nd Codec	G.711, 64kbps, A-Lav	v 🗸	20 🛰				
	3rd Codec	G.711, 64kbps, u-Lav	/ 🛩	20 💌				
	4th Codec	G.726, 32kbps	*	30 🛰				
	5th Codec	G.726, 16kbps	*	20 💌				
	6th Codec	G.723, 5.3/6.3kbps	*	30 🛰				
	G.723 Bitrate							
	G.723 Bitrate:			G.723 High Bitrate (6.3kbps) 💌			
		√ ок	7 Apply	🗶 Cancel	Basic <<			



Q2: How can I improve voice quality when using Emule/BitTorrent on a PC behind MP-20x?

- A: You must configure MP-20x to prioritize voice packets over data packets.
 - 1. Logon to the Web interface.
 - 2. Open the 'Traffic Shaping' screen (QoS menu > Traffic Shaping tab).
 - 3. In the Tx Bandwidth field, enter the upload speed.
 - 4. In the Rx Bandwidth field, enter the download speed.
 - 5. Select the 'Enable Dynamic Traffic Shaping' check box, and then in the Tx Bandwidth During VoIP Call field, enter the value for upload rate for data bandwidth during a voice call (original upload data rate Codec bandwidth and header size).

Figure 13:	Editing	Traffic Shaping	in the	Web	Interface
------------	---------	------------------------	--------	-----	-----------

🚱 Ed	dit Device Traffic Shaping	
Device:	Default WAN device	
Traffic Shaping		
Tx Bandwidth:	128 Kbits/s	
Enable Dynamic Traffic Shaping		
Tx Bandwidth During VoIP Call:	120	
Rx Bandwidth:	1500 Kbits/s	

For additional information, refer to *LTRT-50606 MP-20x Telephone Adapter User's Manual Ver. 2.6.2*, Section 8.1 "Traffic Shaping".

Note: If you are still experiencing choppy or delayed audio, place your MP-20x directly behind the broadband Internet modem.



Functionalities

Q1: Does MP-20x support special services such as call forwarding, conference calls, and do-not-disturb?

- A: Yes, MP-20x supports the following supplementary services:
 - Call waiting
 - Call forwarding
 - Do-not-disturb
 - Three-way conferencing
 - Message waiting indication (MWI)
 - Stutter tone

These services are configured in the Web interface's 'Services' screen (**Voice Over IP** menu > **Services** tab).

Figure 14: Configuring Supplementary Services in the Web Interface

Signaling Protocol	Diali	ng Media Streaming Fax Services Line Speed Telephone Fax Settings Dial Interface									
		Call Waiting									
		▼ Enabled									
		Call Waiting SIP Reply:	Queued V								
		Enable Caller ID Type II									
		Call Forward									
		Enabled									
		Call Forward Type:	Unconditional 🗸								
		Key Sequence:	Busy								
		No Reply									
		Do Not Disturb									
		Key Sequence:	* 68								
		3 Way Conference									
		3 Way Conference Mode:	Local								
		Message Waiting Indication									
		✓ Enabled									
		Subscribe To MWI									
		MWI Server IP Address Or Host Name:									
		MWI Server Port:	5060								
		MWI Subscribe Expiration Time:	300								
		General Parameters									
		Stutter Tone Duration:	2500 milliseconds								
		Out of Service Behavior:	Reorder Tone 💌								

For additional information, refer to *LTRT-50606 MP-20x Telephone Adapter User's Manual Ver. 2.6.2*, Section 5.5, "Configuring Services Parameters".



Q2:	What types of fax transport methods are supported by MP-20x?	
-----	--	--

- A: MP-20x supports the following fax transport types:
 - Transparent
 - T.38
 - Voice-Band Data
 - Bypass

The fax transport method is configured in the Web interface's 'Voice and Fax' screen (**Voice Over IP** menu > **Voice and Fax** tab).

Figure 15: Configuring Transparent Fax Transport Method

Fax and Modem Settings	
Fax Transport Mode:	Transparent
Modem Transport Mode:	Transparent
Fax/Modem Bypass Codec:	G.711, 64kbps, A-Law 💌
Enable CNG Detection	

Figure 16: Configuring T.38 Fax Transport Method

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:	Transparent
Fax/Modem Bypass Codec:	G.711, 64kbps, A-Law 💌
Enable CNG Detection	

Figure 17: Configuring Voice Band Data Fax Transport Method

Fax and Modem Settings	
Fax Transport Mode:	Voice Band Data 💙
Modem Transport Mode:	Transparent
Fax/Modem Bypass Codec:	G.711, 64kbps, A-Law 💌
Enable CNG Detection	

Figure 18: Configuring Bypass Fax Transport Method

Fax and Modem Settings	
Fax Transport Mode:	Bypass
Fax Bypass Payload Type:	102
Modem Transport Mode:	Transparent
Fax/Modem Bypass Codec:	G.711, 64kbps, A-Law 💌
Enable CNG Detection	

For additional information, refer to *LTRT-50606 MP-20x Telephone Adapter User's Manual Ver. 2.6.2,* Section 5.4, "Configuring Voice & Fax Parameters".



Q3: How do I make a three-way conference call (using Flash Hook Only)?

A: > To make a 3-way conference call:

- **1.** Make a call to A, and then press the flash hook button.
- 2. Make a call to B, and then press the flash hook button again.

Flash Hook Only is configured in the Web interface's 'Dialing' screen (**Voice Over IP** menu > **Dialing** tab. Under the **Key Sequence** group, configure the flash hook sequence method.

Q4: Does MP-20x support SIP proxy redundancy?

A: Yes.

> To configure SIP proxy redundancy:

- 1. Logon to the Web interface.
- 2. Open the 'Signaling Protocol' screen (Voice Over IP menu > Signaling Protocol tab).
- **3.** Under the **SIP Proxy and Registrar** group, select the 'Use Redundant Proxy' check box, and then configure the redundant proxy parameters.

Figure 19: Configuring SIP Proxy Redundancy in the Web Interface

Signaling Protocol	Dia	ling Media Streaming	Voice and Fax	Services	Line Settings	Speed Dial	Telephone Interface			
		Signaling Proto	ol							
		Signaling Protocol	:					SIP		
	SIP Transport Protocol: Local SIP Port:				UDP 💟					
					5060					
		Gateway Name -	User Dor	main:						
		Enable PRACK								
		Include ptime	in SDP							
		Enable rport								
Connect media on 180										
	Enable Keep Alive using OPTIONS									
		Keep alive period:					120 Seconds			
		SIP Proxy and Registrar								
		Use SIP Proxy	·							
		Proxy IP Address or Host Name:						111.11.1.1		
		Proxy Port:						5060		
		Maximum Number of Authentication Retries:						4		
		Use SIP Proxy IP and Port for Registration								
		Register Expires:						900	Seconds	
		Sip Security:						Allow SIP traffic	c from Proxy only	*
		Vse Redundan	t Proxy							
		Redundant Proxy Address:						222.22.2.2		
		Redundant Proxy Port:						5060		
		Redundant Proxy	Keep Ali	ve Period:				60 Second	ds	
		Switch back to Primary SIP proxy when available								

For additional information, refer to *LTRT-58301 MP-20x Redundant Proxy Application Note Ver.* 2.6.2.



Q5: Can MP-20x operate behind a NAT?

- A: Yes. It is recommended to connect the MP-20x directly to your Cable or ADSL modem. However, if this is not possible, then:
 - If the MP-20x is located behind a router that uses Application Layer Gateway (ALG), then there is no need to make any additional modifications.
 - If ALG is not supported by the router, then it can operate behind the NAT using an external STUN server.

> To configure NAT:

- 4. Logon to the Web interface.
- 5. Open the 'Signaling Protocol' screen (Voice Over IP menu > Signaling Protocol tab).
- 6. Under the NAT Traversal group, select the 'Enable STUN' check box.

Figure 20: Configuring NAT in the Web Interface

NAT Traversal	
Enable STUN	
STUN Server Address:	0.0.0.0
STUN Server Port:	3478
Subnet Mask:	0.0.0.0

Q6: What is the maximum number of phones that can be connected in parallel to a single MP-20x FXS port?

A: Up to five phones can be connected to a single MP-20x FXS port.

Q7: Can I set up my service so that my caller ID on outbound calls is blocked by default for all calls, without having to dial additional digits?

A: Yes.

> To block caller ID:

- **1.** Logon to the Web interface.
- 2. Open the 'Line Settings' screen (Voice Over IP menu > Line Settings tab).
- 3. Click the Action icon corresponding to the line for which you want to block caller ID.
- 4. Select the 'Block Caller ID' check box.

Figure 21: Blocking Caller ID in the Web Interface

💮 Line	e Settings
Line Number:	1
User ID:	000000001
Block Caller ID	
Display Name:	Line 1



Software Upgrade

Q1: How do I upgrade the MP-20x software?

A: > To upgrade the MP-20x software:

- 1. Logon to the Web interface.
- Open the 'MP20X Firmware Upgrade' screen (Advanced menu > MP20X Firmware Upgrade icon).

Figure 22: Upgrading MP-20x using the Web Interface

💓 MP20X Firmware Upgrade			
Visit www.audiocodes.com for upgrade support, upgrade options and information.			
Current Version: 2.6.3_build_23			
Upgrade From the Internet:			
Automatic Check Disabled			
Check at URL			
Check Now			
Status: OK			
Internet Version: No new version available			
Force Upgrade			
Upgrade From a Computer in the Network:			
Select an updated MP20X firmware file from a computer's hard drive or CD on the network			
Upgrade Now			

3. Click the Upgrade Now button, and then browse to the folder in which the *rmt* file is located.

After loading the *rmt* file, MP-20x automatically reboots to factory defaults.



Q2:	How can I automatically upgrade one or more MP-20X devices?
A :	To automatically upgrade MP-20x, you can locate the firmware (<i>rmt</i> file) on an HTTP/HTTPS or FTP/TFTP server, and then define the URL of this server and the name of the <i>rmt</i> file, as follows:

- 1. Logon to the Web interface.
- 2. Open the 'MP20X Firmware Upgrade' screen (Advanced menu > MP20X Firmware Upgrade 💜 icon).

Figure 23: Automatically Upgrading MP-20x using the Web Interface

🔰 MP20X Firmware Upgrade			
Visit www.audiocodes.com for upgrade support, upgrade options and information.			
Current Version: 2.6.3_build_23			
Upgrade From the Internet:			
Automatically Check for New Versions and Upgrade MP20X 💌			
Check every 24 hours at URL http://myserver.url.com/mp20x.rmt			
first check will start of minutes after powerup			
Next check scheduled in 22:56 hours			
Check Now			
Status: OK			
Internet Version: No new version available			
Force Upgrade			
Upgrade From a Computer in the Network:			
Select an updated MP20X firmware file from a computer's hard drive or CD on the network			
Upgrade Now			

3. From the Upgrade From the Internet drop-down list, select "Automatic Check for New Version and Upgrade MP20X".

MP-20x checks the URL every 24 hours (user-defined) and upgrades MP-20x only if there is a later version. The firmware file is checked according to the code in the rmt file (and not according to the *rmt*'s file name).

For additional information, refer to LTRT-55201 MP-20x Remote Management Application Note, Section 2.2.1 "Firmware Upgrade".



Telnet and Advanced Configuration

Q1: Can I manage MP-20x from the Telnet?

A: Yes.

■ The LAN interface is open by default. From the PC's command line, run the following command: telnet <MP-20x LAN's IP address>



Run	? 🛛
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	telnet 192.168.2.1
	OK Cancel Browse
🐉 st	art 🕜 i den i den di settembre i

- The WAN interface is closed by default. To allow access from the WAN, perform the following:
 - a) Logon to the Web interface.
 - b) Access the 'Remote Administration' screen (Advanced menu > Remote

Administration 头 icon).

a) Under the Allow Incoming Access to the Telnet Server group, select the 'Using Primary Telnet Port (23)' check box.

Figure 25: Enabling Access to MP-20x from the WAN

	Remote Administration		
Allowing remote administration to the MP20X is a security risk.			
	Allow Incoming Access to the Telnet Server		
	Using Primary Telnet Port (23)		
	Using Secondary Telnet Port (8023)		
	Using Secure Telnet over SSL Port (992)		

Q2: How can I hide the configuration file in the Web?

A: Run the following command: rg_conf_set /rmt_config/hide_config_file_page 1



Q3: Why doesn't MP-20x upgrade from a file in the HTTP server after it is retrieved?

- A: Open the Configuration file (located on the HTTP server), and then check the version value of the command line /rmt_config/version. The file on the server must have a higher version value than the current version running on MP-20x.
 - > To view the current version in MP-20x:
 - **1.** Telnet the MP-20x.
 - 2. At the CLI prompt, run the following command:
 - rg_conf_print /rmt_config/version

Q4: When is the configuration file retrieved from the HTTP server?

A: The configuration file is automatically retrieved four times after MP-20x reboots (every two minutes), and thereafter, according to the timer of the check interval value. This interval value can be viewed by performing a Telnet to MP-20x, and then running the following command:

rg_conf_print / rmt_config/check_interval

For example, if check_interval= 43200sec, this means 60sec*60min*12hours = every 12 hours

Q5: How do I open a TR-069 license?

- A: > To open a TR-069 license:
 - **1.** Telnet the MP-20x.
 - 2. At the CLI prompt, run the following command:

rg_conf_set /cwmp/tr069_licensed 1

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Frequently Asked Questions





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