

Device Configuration Guide

*AudioCodes MP-102/104/108 FXO &
MP-102/104/108 FXS*



All Rights Reserved

Copyright © 2005

The use, disclosure, modification, transfer, or transmittal of this work for any purpose, in any form, or by any means, without the written permission of the copyright holder, is strictly forbidden.

*VoiceDirector Device Configuration Guide
AudioCodes MP-102/104/108 FXO & MP-102/104/108 FXS*

Disclaimer

The content of this manual is subject to change without notice and should not be construed as a commitment by the manufacturer, distributor, or service provider. This manual is furnished for informational use only and the manufacturer, distributor, or service provider assumes no responsibility for any errors or inaccuracies that may appear herein.

Any services provided through this equipment are not intended to replace or be a substitute for primary line voice services or Plain Old Telephone Service ("POTS") and are not meant to provide guaranteed Automatic Number Identification or Automatic Location Information capabilities associated with 911 or E911 services or to permit access to 411 directory assistance services. The manufacturer, distributor, or service provider will not be liable for any damages, expenses, liabilities, risks, or harms arising out of or related to the services provided through this equipment.

04.24.2006

Table of Contents

1. AudioCodes MP-102/104/108 FXO	1
Accessing the Device.....	1
<i>Via the Web Browser.....</i>	<i>1</i>
<i>Via the Console.....</i>	<i>2</i>
Upgrading the Device	2
Configuring the Device.....	6
Setting Additional Configuration Values	7
Setting Account Configuration Values.....	8
2. AudioCodes MP-102/104/108 FXS	9
Accessing the Device.....	9
<i>Via the Web Browser.....</i>	<i>9</i>
<i>Via the Console.....</i>	<i>10</i>
Upgrading the Device	10
Configuring the Device.....	14
Setting Additional Configuration Values	15
Setting Account Configuration Values.....	16
Installing Call Progress Tones.....	16

1. AudioCodes MP-102/104/108 FXO

This chapter contains configuration instructions for the AudioCodes MP-102/104/108 FXO device.

Version ID: 4.40.193.350

IMPORTANT

Contact your VoiceDirector reseller to obtain the package for AudioCodes MP configuration for VoiceDirector.

Your device configuration depends upon how you obtain your AudioCodes MP device.

★ **If you purchased the AudioCodes MP device through your VoiceDirector reseller, the device is already configured with the following:**

1. Firmware version **4.40.193.350** or later
2. Configuration file (INI file) for VoiceDirector
3. US call progress tones
4. Coefficient file

NOTE

If you would like to install the call progress tones for a different region, please refer to the **Installing Call Progress Tones** section on page 16.

You will need to follow the following configuration instructions:

1. *Setting Additional Configuration Values* on page 7.
2. *Setting Account Configuration Values* on page 8.

★ **If you already have the AudioCodes MP gateway and would like to configure it to use with VoiceDirector, follow the instructions below.**

Accessing the Device

There are two ways to get the device's IP address:

- ★ Via Web browser.
- ★ Via the console.

VIA THE WEB BROWSER

If the DHCP server registers the host name to a DNS server, the user can access the Gateway through a Web browser, using the URL:

http://acl_<serial_number>.

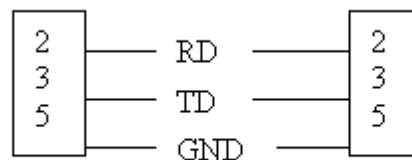
The serial number is equal to last 6 digits of the MAC address converted from Hex to decimal. For example, if the device's MAC address is **00908f010280**, the DNS name would be **acl_66176**.

VIA THE CONSOLE

You can also view the IP address using the console port on the device.

To view the IP address using the console port on the device:

1. With a standard RS-232 straight cable (not a cross-over) with DB-9 connectors, connect the MP-1xx RS232 port to either **COM1** or **COM2 RS-232** port on the PC. The connector pinout and gender are shown below.



DB-9 Female for PC

DB-9 Male for MP-1xx

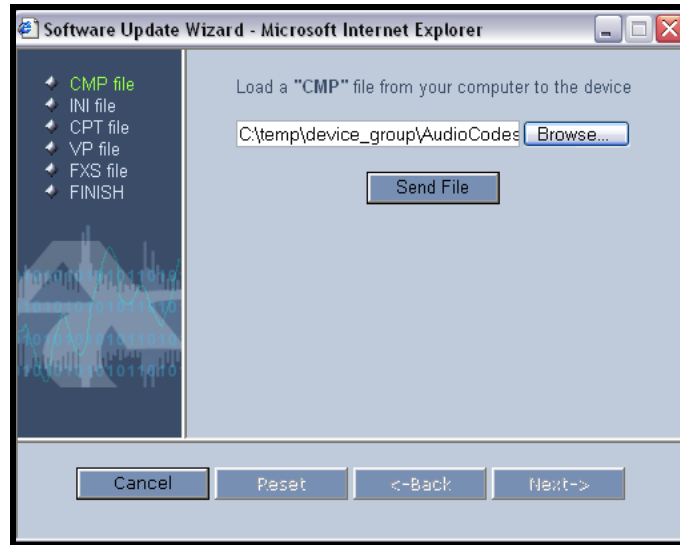
2. On a PC running Windows, run HyperTerminal by clicking the **Start** button, and then clicking **Accessories: Communications: HyperTerminal**.
3. Enter a name for new connection, and click **OK**.
4. Select communication port COM1 or COM2, and click **OK**.
5. In the COM1/2 Property dialog box, enter the following settings:
 - ♦ **Baud Rate:** 115,200 bps
 - ♦ **Data bits:** 8
 - ♦ **Parity:** None
 - ♦ **Stop bits:** 1
 - ♦ **Flow control:** Hardware
6. Click the **OK** button.
The Hyper Terminal main screen opens.
7. Reboot the device.
At beginning of the boot cycle, the device displays the IP address in the HyperTerminal window.

Upgrading the Device

To upgrade the device:

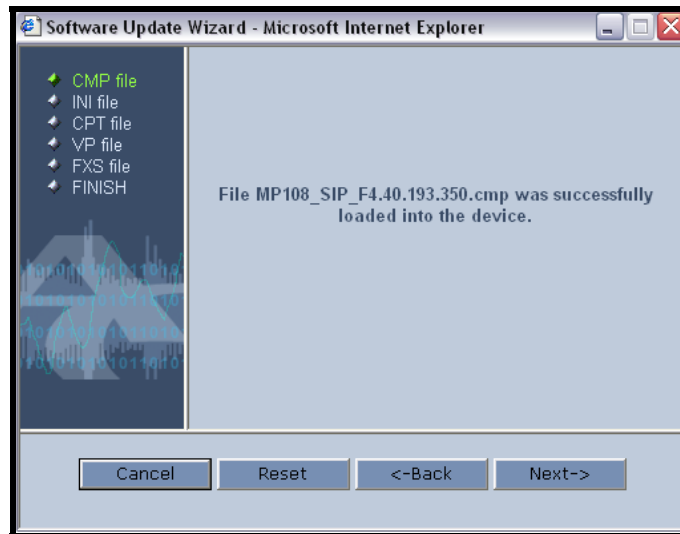
1. Copy **MP108_SIP_F4.40.193.350.cmp** from the installation package to your PC desktop.
2. Connect to the MP-10x FXO by entering the device's IP address in the **Address** bar of your PC's Web browser. For instructions on obtaining the IP address, refer to **Accessing the Device** in the **AudioCodes MP-102/104/108 FXO Configuration Guide** section on page **Error! Bookmark not defined.** of the Appendix.
3. Click on **Software Update** on the left, and then click the **Software Upgrade Wizard** tab.
The Software Update Wizard window displays.
4. Click the **Start Software Upgrade** button.

- In the new window as shown below, click the **Browse** button, and navigate to the desktop and select **MP108_SIP_F4.40.193.350.cmp**.



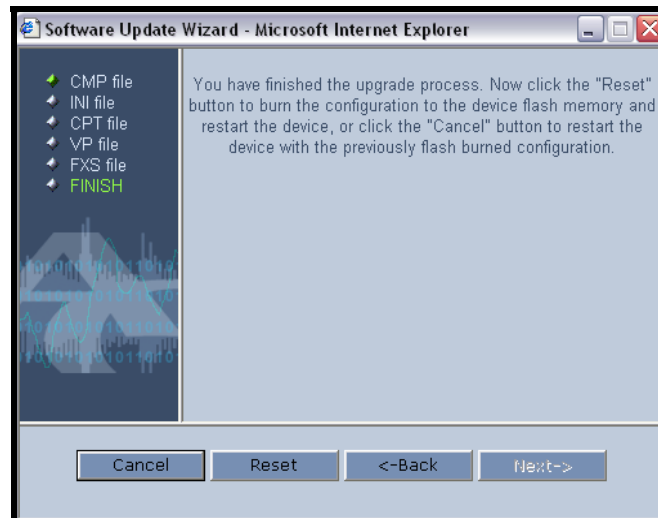
Software Update Wizard

- Click on the **Send File** button.
If the file is uploaded successfully, the following window displays.



Software Update Success Message

- Cycle through the next four (4) windows by clicking the **Next** button.
The Software Update Success page displays.



Finish Upgrade Page

8. Click the **Reset** button to reboot the device. If you prefer to use the previously saved configuration, click the **Cancel** button.
After you click Reset, the Progress window displays. See the screen shots below.

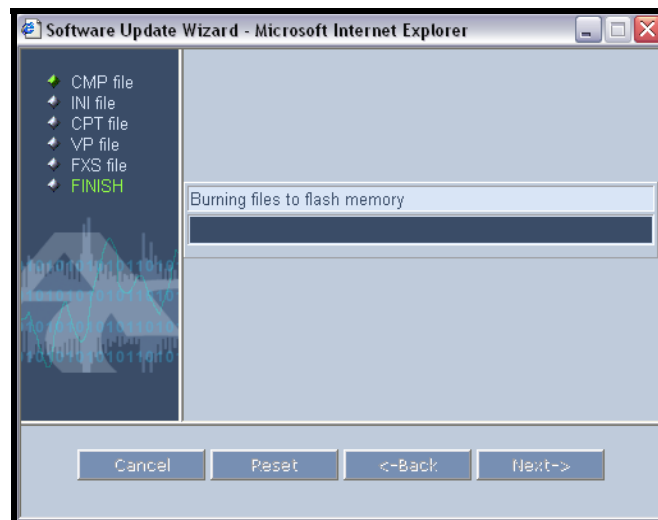
IMPORTANT

Do not interrupt the burning process.

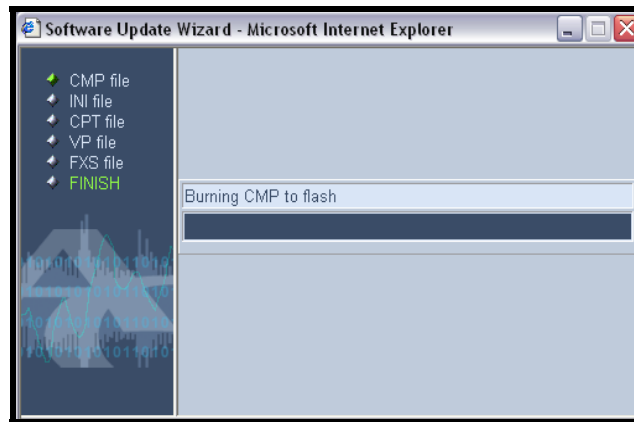
NOTE

You may not see your progress window refresh after you click the **Reset** button if the device resets the IP address. If that happens, wait five (5) minutes, and refresh your Web browser with the new IP address.

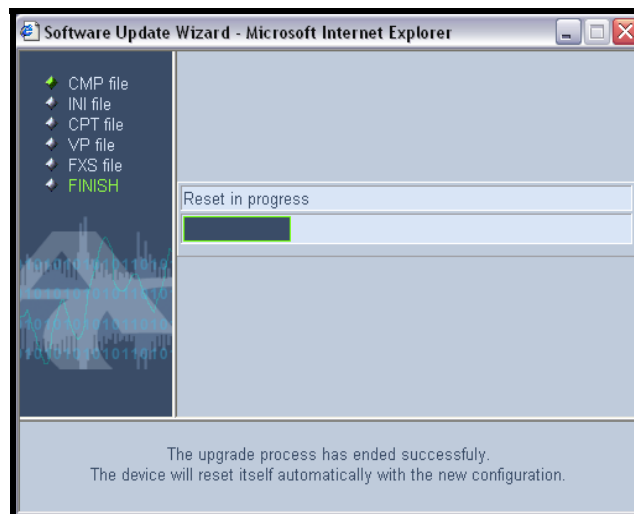
To confirm that device has been upgraded to the newer version, click **Status & Diagnostics** on the left, and then click the **System Information** tab to make sure the **Version ID** displays **4.40.193.350**.



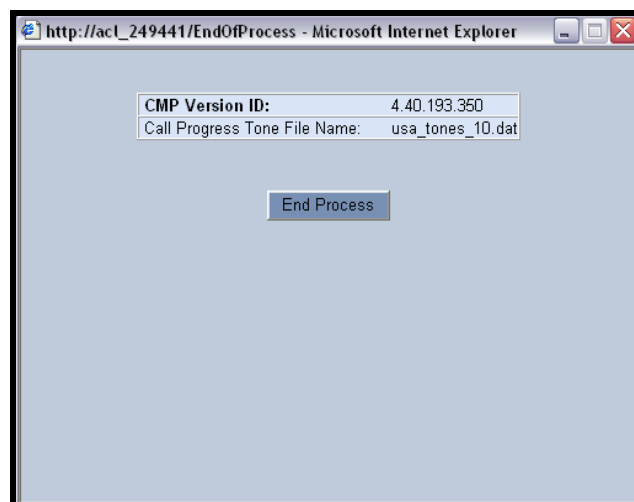
Progress Window – Burning Files to Flash Memory



Progress Window – Burning CMP to Flash



Progress Window – Reset in Progress



Progress Window – End of Process (Upgrade was successful.)

9. Click the **End Process** button to complete the upgrade process.

Configuring the Device

STEP 1 – SET UP THE ACCOUNT

Make sure you have an account on the VoiceDirector server to which you are connecting.

STEP 2 – OBTAINING THE DEVICE'S IP ADDRESS

Refer to **Accessing the Device** in the **AudioCodes MP-102/104/108 FXO Configuration Guide** section on page **Error! Bookmark not defined.** of the Appendix for instructions.

STEP 3 – LOGGING INTO THE WEB CONFIGURATION INTERFACE

To log into the Web Configuration Interface:

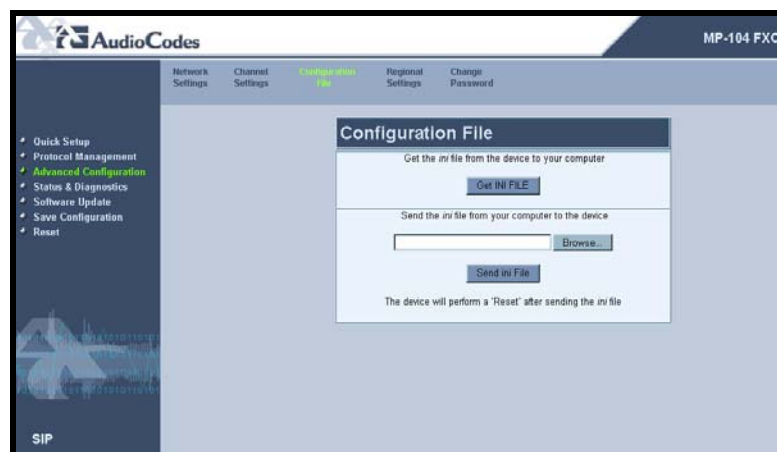
1. Launch Microsoft® Internet Explorer.
2. In the **Address** bar, enter **http://**, followed by the IP address you obtained in the previous section.

For example, if your IP address is 192.168.1.100, you would enter **http://192.168.1.100** in the **Address** bar.

3. Press the **Enter** key on your keyboard, or click the **Go** button.
A login pop-up window displays.
4. In the **Username** field, enter Admin (case sensitive).
5. In the **Password** field, enter Admin (case sensitive), and then click the **OK** button.

STEP 4 – UPLOADING THE CONFIGURATION FILE

1. Click the **Advanced Configuration** link in the sidebar menu, and then click the **Configuration File** link at the top of the page.
The Configuration File page displays.



Configuration File Page

2. In the **Send the ini file from the computer to your device** section, click the **Browse** button.
A Choose File pop-up window displays.

3. Navigate to the ini file, click on it, and then click the **Open** button.
The path and file name display in the text box.
4. Click the **Send ini File** button.
Once the file has been uploaded, the device will reset.

Setting Additional Configuration Values

1. Click the **Protocol Management** link in the sidebar menu.
2. Click the **Protocol Definition** menu at the top of the page, and then click the **Proxy & Registration** option in the drop-down menu.
The Proxy & Registration page displays.

The screenshot shows the 'Proxy & Registration' configuration page in the AudioCodes MP-104 FXS web interface. The page is divided into several sections: 'Proxy' and 'Registration'. The 'Proxy' section includes fields for 'Proxy Name', 'Proxy IP Address', 'Primary Registration Name', 'First Redundant Proxy IP Address', 'Second Redundant Proxy IP Address', 'Third Redundant Proxy IP Address', 'Enable Proxy SIP Quiesce', 'Synchronicity Mode', 'If Proxy Failed', and 'Enable Registration'. The 'Registration' section includes fields for 'Registrar Name', 'Registrar IP Address', 'Registration Time', 'Re-registration Timing (%)', 'Registration-Retry Time', 'Enable Proxy Keep Alive', 'Proxy Keep Alive Temp', 'Use Outgoing Band to QoS/QoS', 'Enable Forward to Floating Table', 'Prefer Floating Table', 'Use Floating Table for Most Minus and Profiles', 'Always Use Proxy', 'Send all bills to Proxy', 'Enable Proxy Hdr Strip', 'Number of RTT Before Hdr Strip', 'Last Name', 'Country', 'Domain', and 'Authentication Mode'. The 'Proxy Name', 'Proxy IP Address', and 'Registrar IP Address' fields are highlighted with red circles. The 'Submit' button is located at the bottom of the page.

Proxy & Registration Page

3. Enter the VoiceDirector server's IP address in the following fields
Proxy Name
Proxy IP Address
Registrar IP Address
4. Click the **Submit** button at the bottom of the page to save the changes.
5. Click the **Endpoint Settings** menu at the top of the page, and then click the **Authentication** option in the drop-down menu.
The Authentication page displays.

The screenshot shows the 'Authentication' configuration page in the AudioCodes web interface. The page features a table with three columns: 'Gateway Port', 'User Name', and 'Password'. There are four rows, labeled 'Port 1', 'Port 2', 'Port 3', and 'Port 4'. Each row contains an empty text input field for the 'User Name' and another empty text input field for the 'Password'. Below the table is a 'SUBMIT' button.

Authentication Page

- For each port, enter the SIP Username and Password that were configured when you added the device in VoiceDirector.
- Click the **Submit** button at the bottom of the page to save the changes.

Setting Account Configuration Values

- Click the **Endpoint Settings** menu at the top of the page, and then click the **Automatic Dialing** option in the drop-down menu.
The Automatic Dialing page displays.

Gateway Port	Destination Phone Number	Auto Dial Status
Port 1	<input type="text"/>	Enable
Port 2	<input type="text"/>	Enable
Port 3	<input type="text"/>	Enable
Port 4	<input type="text"/>	Enable

Automatic Dialing Page

- For each port, enter the extension that should be called when the corresponding analog line rings.



NOTE: You can disable automatic dialing for a particular port by clicking the Auto Dial Status drop-down menu and selecting Disable.

For example, if you enter **2001** for **Port 2**, when somebody calls the analog line that is connected to port 2, the call is automatically forwarded to VoiceDirector extension 2001.

Endpoint Phone Number Table				
Channel(s)	Phone Number	Hunt Group ID	Profile ID	Profile Name
1	<input type="text"/>	<input type="text"/>	0	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	0	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	0	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	0	<input type="text"/>

Endpoint Phone Number Table

- For each port, enter the SIP Username in the **Phone Number** field.



TIP: It is recommended that the SIP Username is the same as the port extension.

- Click the **Submit** button at the bottom of the page to save the changes.
- Click the **Save Configuration** link in the sidebar menu.
- Click the **Reset** link in the sidebar menu to restart the device.

2. AudioCodes MP-102/104/108 FXS

This chapter contains configuration instructions for the AudioCodes MP-102/104/108 FXS device.

Version ID: 4.40.193.350

IMPORTANT

Contact your VoiceDirector reseller to obtain the package for AudioCodes MP configuration for VoiceDirector.

Your device configuration depends upon how you obtain your AudioCodes MP device.

- ★ **If you purchased the AudioCodes MP device through your VoiceDirector reseller, the device is already configured with the following:**

1. Firmware version **4.40.193.350** or later
2. Configuration file (INI file) for VoiceDirector
3. US call progress tones
4. Coefficient file

NOTE

If you would like to install the call progress tones for a different region, please refer to the **Installing Call Progress Tones** section on page 16.

You will need to follow the following configuration instructions:

1. *Setting Additional Configuration Values* on page 15.
2. *Setting Account Configuration Values* on page 15.

- ★ **If you already have the AudioCodes MP gateway and would like to use it with VoiceDirector, follow the instructions below.**

Accessing the Device

There are two ways to get the device's IP address:

- ★ Via Web browser.
- ★ Via the console.

VIA THE WEB BROWSER

If the DHCP server registers the host name to a DNS server, the user can access the Gateway through a Web browser, using the URL:

http://acl_<serial_number>.

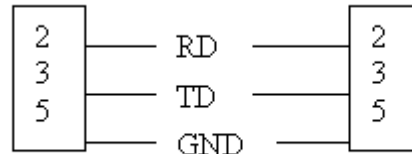
The serial number is equal to last 6 digits of the MAC address converted from Hex to decimal. For example, if the device's MAC address is **00908f010280**, the DNS name would be **acl_66176**.

VIA THE CONSOLE

You can also view the IP address using the console port on the device.

To view the IP address using the console port on the device:

1. With a standard RS-232 straight cable (not a cross-over) with DB-9 connectors, connect the MP-1xx RS232 port to either **COM1** or **COM2 RS-232** port on the PC. The connector pinout and gender are shown on the following page.



DB-9 Female for PC

DB-9 Male for MP-1xx

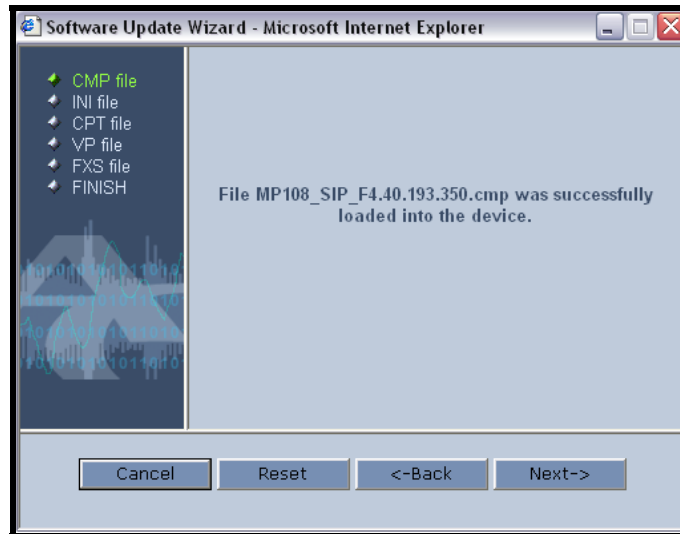
2. On a PC running Windows, run HyperTerminal by clicking the **Start** button, and then clicking **Accessories: Communications: HyperTerminal**.
3. Enter a name for new connection, and click **OK**.
4. Select communication port COM1 or COM2, and click **OK**.
5. In the COM1/2 Property dialog box, enter the following settings:
 - ♦ **Baud Rate:** 115,200 bps
 - ♦ **Data bits:** 8
 - ♦ **Parity:** None
 - ♦ **Stop bits:** 1
 - ♦ **Flow control:** Hardware
6. Click the **OK** button.
The Hyper Terminal main screen opens.
7. Reboot the device.
At beginning of the boot cycle, the device displays the IP address in the HyperTerminal window.

Upgrading the Device

To upgrade the device:

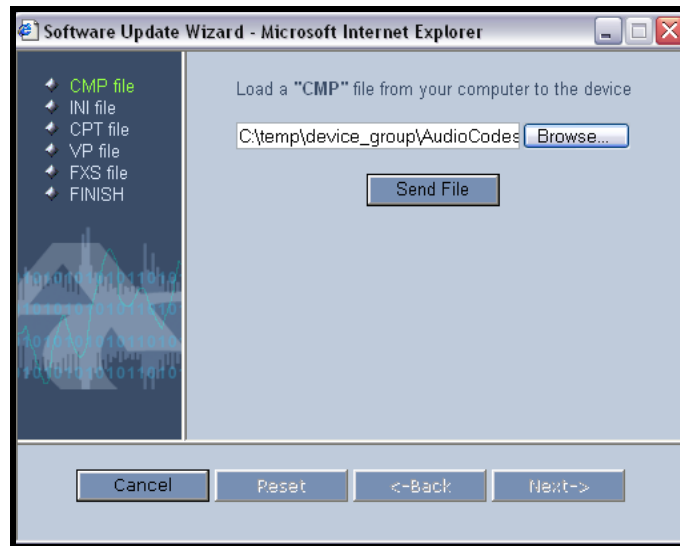
1. Copy **MP108_SIP_F4.40.193.350.cmp** from the installation package to your PC Desktop.
2. Connect to the MP-10x FXS by entering the device's IP address in the Web browser's **Address** bar. For instructions on obtaining the IP address, refer to the **Accessing the Device** section on the previous page.
3. Click the **Software Update** link on the left, and then click the **Software Upgrade Wizard** tab.
The Software Update Wizard window displays.
4. Click the **Start Software Upgrade** button.

- In the new window as shown below, click the **Browse** button, and navigate to the desktop and select **MP108_SIP_F4.40.193.350.cmp**.
- Click on the **Send File** button.
If the file is uploaded successfully, the following window displays.



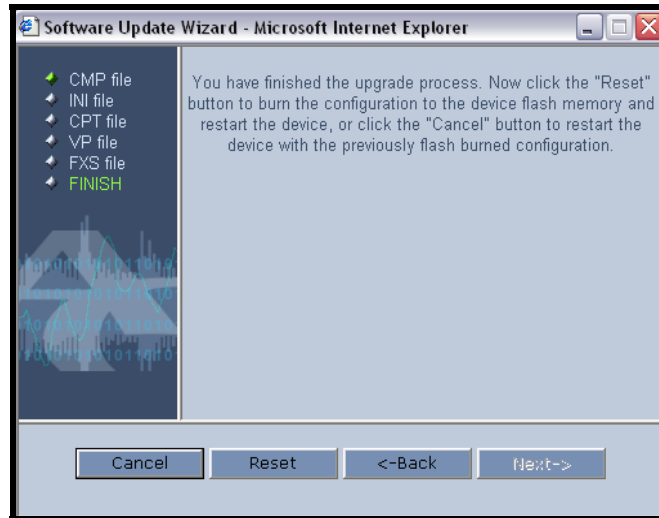
Software Update Success Message

- Cycle through the next four (4) windows by clicking the **Next** button.
The Software Update Success page displays.



Software Update Wizard

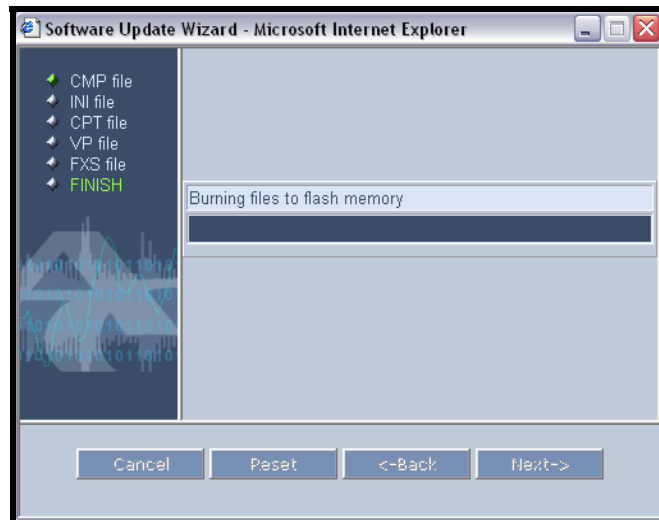
- Click the **Reset** button to reboot the device. If you prefer to use the previously saved configuration, click the **Cancel** button.
After you click Reset, the Progress window displays. See the screen shots on the next page.



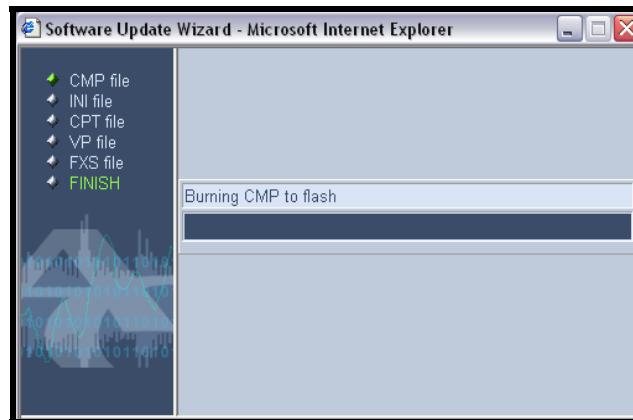
Finish Upgrade Page

IMPORTANT	Do not interrupt the burning process.
------------------	----------------------------------------------

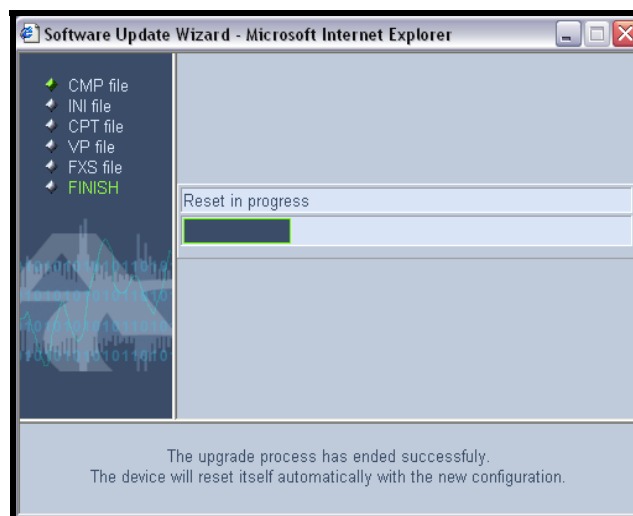
NOTE	<p>You may not see your progress window refresh after you click the Reset button if the device resets the IP address. If that happens, wait five (5) minutes, and refresh your Web browser with the new IP address.</p> <p>To confirm that device has been upgraded to the newer version, click Status & Diagnostics on the left, and then click the System Information tab to make sure the Version ID displays 4.40.193.350.</p>
-------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



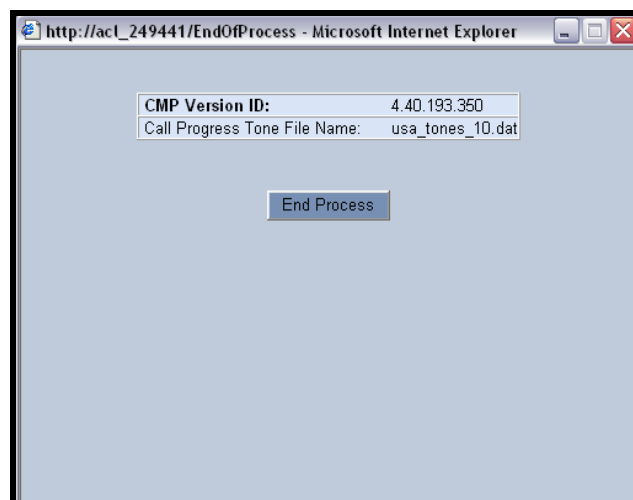
Progress Window – Burning Files to Flash Memory



Progress Window – Burning CMP to Flash



Progress Window – Reset in Progress



Progress Window – End of Process (Upgrade was successful.)

9. Click the **End Process** button to complete the upgrade process.

Configuring the Device

STEP 1 – SET UP THE ACCOUNT

Make sure you have an account on the VoiceDirector server to which you are connecting.

STEP 2 – OBTAINING THE DEVICE'S IP ADDRESS

Refer to the **Accessing the Device** section on page 9 for more details.

STEP 3 – LOGGING INTO THE WEB CONFIGURATOR

To log into the Web Configuration Interface:

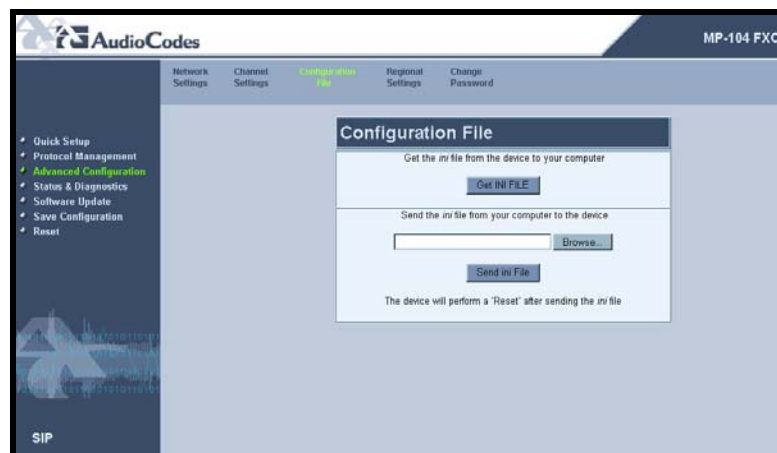
1. Launch a Web browser.
2. In the **Address** bar, enter **http://**, followed by the IP address you obtained in the previous section.

For example, if your IP address is 192.168.1.100, you would enter **http://192.168.1.100** in the **Address** bar.

3. Press the **Enter** key on your keyboard, or click the **Go** button.
A login pop-up window displays.
4. In the **Username** field, enter Admin (case sensitive).
5. In the **Password** field, enter Admin (case sensitive), and then click the **OK** button.

STEP 4 – UPLOADING THE CONFIGURATION FILE

1. Click the **Advanced Configuration** link in the sidebar menu, and then click the **Configuration File** link at the top of the page.
The Configuration File page displays.



Configuration File Page

2. In the **Send the ini file from the computer to your device** section, click the **Browse** button.
A Choose file pop-up window displays.

- Navigate to the **VDir_AC_MP104_FXS_5_23.ini** file, click on it, and then click the **Open** button.
The path and file name display in the text box.
- Click the **Send ini File** button.
Once the file has been uploaded, the device will restart.

Setting Additional Configuration Values

- Click the **Protocol Management** link in the sidebar menu.
- Click the **Protocol Definition** menu at the top of the page, and then click the **Proxy & Registration** option in the drop-down menu.
The Proxy & Registration page displays.

Proxy & Registration Page

- Enter the VoiceDirector server's IP address in the following fields
Proxy Name
Proxy IP Address
Registrar IP Address
- Click the **SUBMIT** button at the bottom of the page to save the changes.
- Click the **Endpoint Settings** menu at the top of the page, and then click the **Authentication** option in the drop-down menu.
The Authentication page displays.

Gateway Port	User Name	Password
Port 1	<input type="text"/>	<input type="text"/>
Port 2	<input type="text"/>	<input type="text"/>
Port 3	<input type="text"/>	<input type="text"/>
Port 4	<input type="text"/>	<input type="text"/>

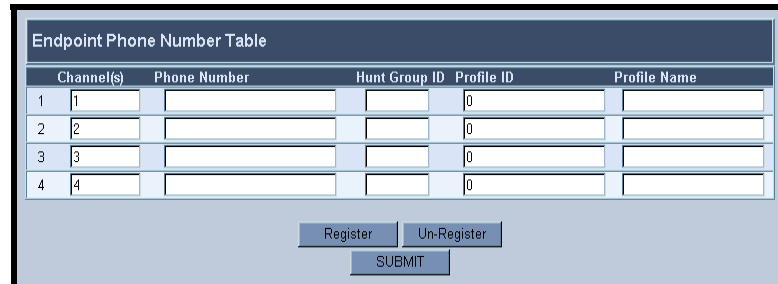
SUBMIT

Authentication Page

6. For each port, enter the SIP Username and Password that were configured when you added the device in VoiceDirector.
7. Click the **SUBMIT** button at the bottom of the page to save the changes.

Setting Account Configuration Values

1. Click the **Endpoint Phone Numbers** menu at the top of the page.
The Endpoint Phone Numbers page displays.



Endpoint Phone Number Table				
Channel(s)	Phone Number	Hunt Group ID	Profile ID	Profile Name
1	<input type="text"/>	<input type="text"/>	0	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	0	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	0	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	0	<input type="text"/>

Endpoint Phone Number Table

2. For each port, enter the SIP Username in the **Phone Number** field.



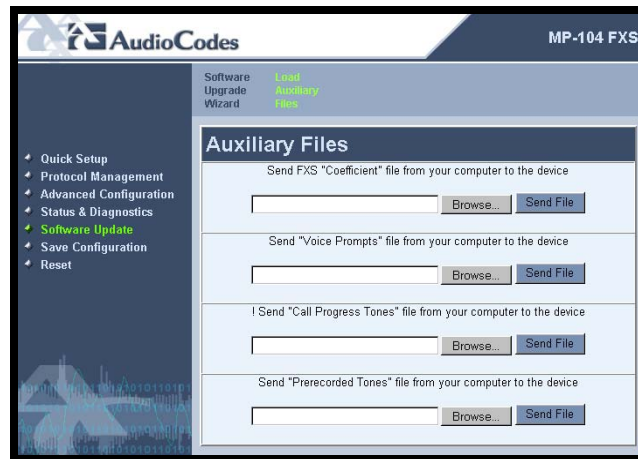
TIP: It is recommended that the SIP Username is the same as the port extension.

3. Click the **SUBMIT** button at the bottom of the page to save the changes.
4. Click the **Save Configuration** link in the sidebar menu.
5. Click the **Save Configuration** link.
6. Click the **Reset** link in the sidebar menu.
7. Click the **Burn** radio button, and then click the **Reset** link to restart the device.

Installing Call Progress Tones

To install the call progress tones:

1. Click **Software Update** link in the sidebar menu, and then click the **Load Auxiliary File** tab.
The Auxiliary File window displays.



Auxiliary File Window

2. In the **Send "Call Progress Tones" file from your computer to the device** section, click the **Browse** button.
3. Navigate to the **usa_tones_10.dat** file, click on it, and then click the **Open** button.
4. Click the **Send File** button.
The device uploads the file.
5. Click the **Save Configuration** link in the sidebar menu.
6. Click the **Save Configuration** link.
7. Click the **Reset** link in the sidebar menu.
8. Click the **Burn** radio button, and then click the **Reset** link to restart the device.