AudioCodes MP-102/104/108

Configuration Guide

Version 1.1

Doc Ver AC-CG-v1-1-04222005

Table of Contents

1. Introduction

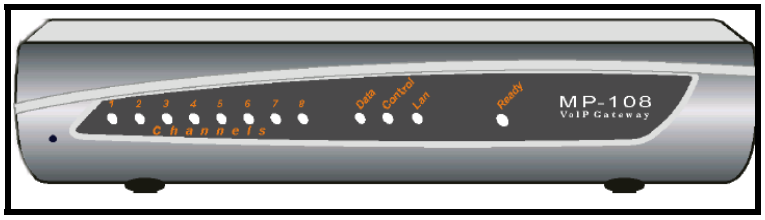
This document is an installation/configuration guide for **AudioCodes MP-102/104/108 FXS**. In this guide, you will find instructions for upgrading the MP to software version **4.40.193.350**, and uploading the configuration files onto the device. The configuration files include SIP parameters, as well as analog line coefficients.

This Guide also includes steps for provisioning the device with the user account and PIN. Once you complete these steps, you will be ready to begin placing calls.

2. Gateway Description

2.1 MP-102/104/108 FXS Gateway

The MP-102/104/108 are FXS gateways that allows you to connect to 2, 4 or 8 analog phones respectively.



MP-108, 8-port FXS

2.2 Accessing the MP-102/104/108

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

- Via Web browser.
- Via the console.

2.2.1 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>.**

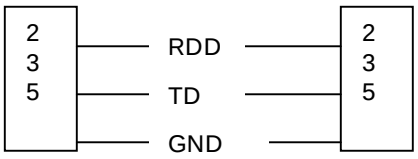
The serial number is equal to last 6 digits of the MAC address converted from Hex to decimal. For example, if the device's MAC address is **00908f010280**, the DNS name would be **acl_66176**.

2.2.2 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**.

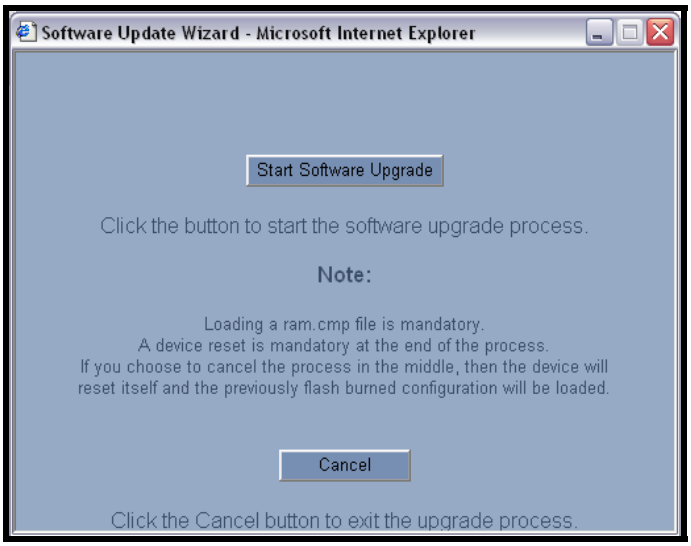
5. In the COM1/2 Property dialog box, enter the following settings:
   - **Baud Rate:** 115,200 bps
   - **Data bits**: 8
   - **Parity**: None
   - **Stop bits**: 1
   - **Flow control**: Hardware
6. Click the **OK** button.
   The Hyper Terminal main screen opens.
7. Reboot the device.
   At beginning of the boot cycle, the device displays the IP address in the HyperTerminal window.

3. Provisioning

3.1 Upgrading the MP-102/104/108 FXS Devices

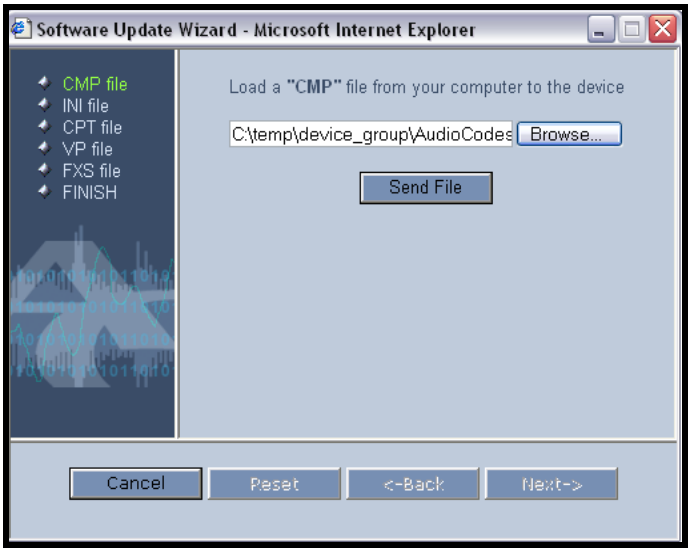
Follow the steps below to upgrade the MP to software version 4.40.193.350.

1. 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 section **2.2 Accessing the MP-102/104/108** on page 2 in this guide.
2. Click on **Software Update** on the left, and then click the **Software Upgrade Wizard** tab.
   The Software Update Wizard window displays.



Software Update Wizard

3. Click the **Start Software Upgrade** button.
4. In the new window as shown below, click the **Browse** button, and navigate to **MP108_SIP_F4.40.193.350.cmp**. Click the file to select it.

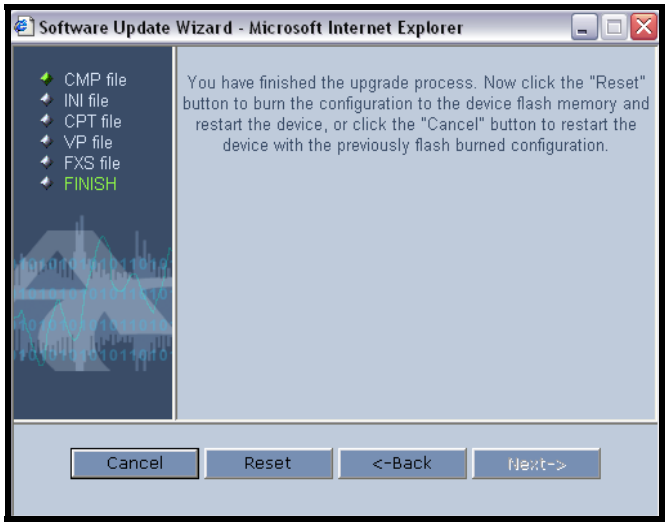


Software Update Wizard

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

Software Update Success Message

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

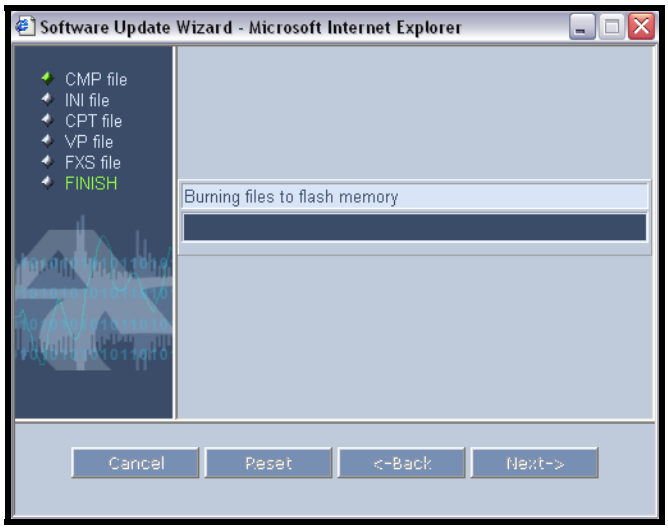


Finish Upgrade Page

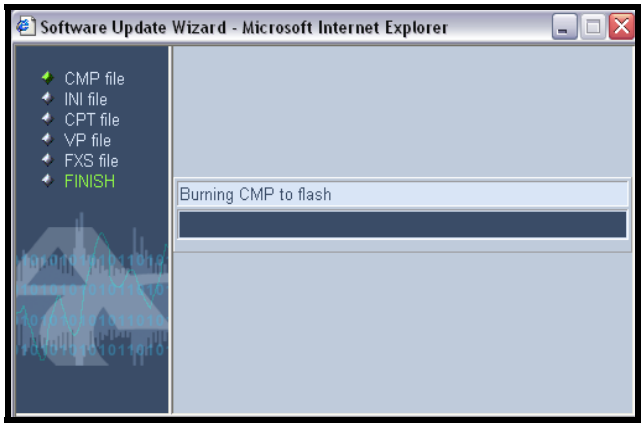
7. Click the **Reset** button to reboot the device. If you prefer to use the previously saved configuration, click the **Cancel** button.
   After you click Reset, the Progress window displays. See the screen shots below.

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

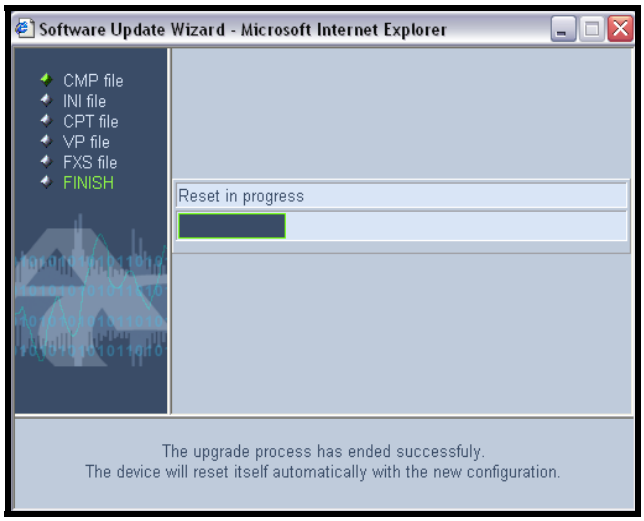
NOTE	**You may not see your progress window refresh after you click the Reset button if the device resets the IP address. If that happens, wait five (5) minutes, and refresh your Web browser with the new IP address.** **To confirm that device has been upgraded to the newer version, click Status & Diagnostics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



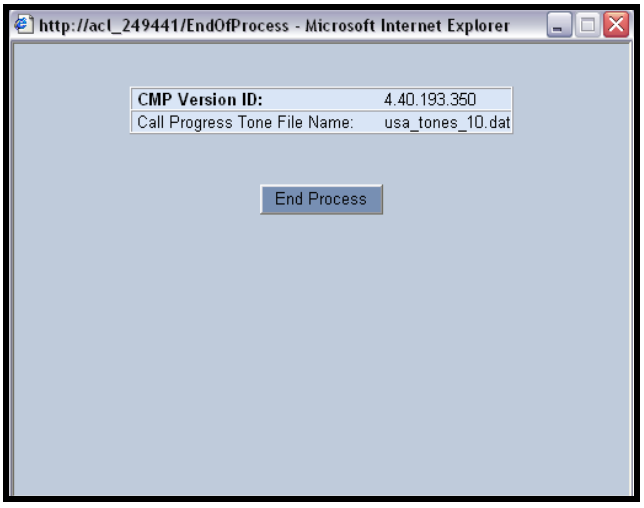
Progress Window – Burning Files to Flash Memory



Progress Window – Burning CMP to Flash



Progress Window – Reset in Progress



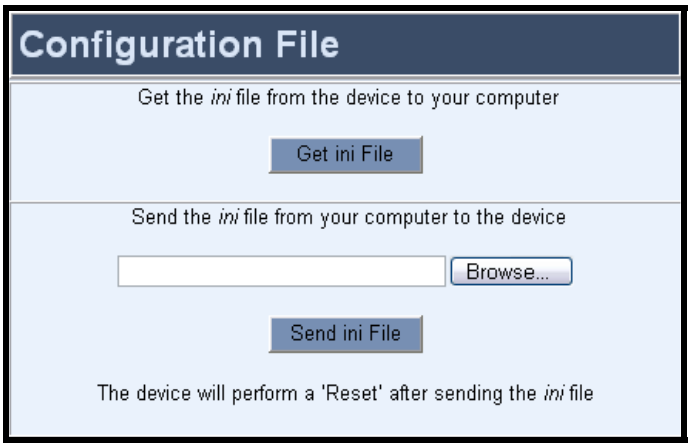
Progress Window – End of Process (Upgrade was successful.)

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

3.2 Installing the Configuration Files

Please follow the steps below to configure your device.

1. Click **Advance Configuration** on the left**,** and then click the **Configuration File** tab.
   The Configuration File window displays.



Configuration File Window

2. In the **Send "ini" file from your computer to the device** section, click the **Browse** button.
3. If you have an FXS device, navigate to the **BOARD_FXS_350.ini** file, and click the file to select it.
4. Click the **Send ini File** button.
   The device uploads the file and reboots.

3.2.1 Enabling Inbound Calling

In order to receive calls, you must have an account with a DID.

To enable inbound calling:

1. Click **Protocol Management** on the left.
2. Move the cursor to the **Protocol Definition** tab, and select **Proxy and Registration** from the menu.
3. Go to **Enable Registration** and select **Enable** from the pull-down menu.
4. Click the **Submit** button.
5. Click the **Save Configuration** button to save the change to flash memory.
6. If you are done with the configuration, reset the device by clicking the **Reset** button, or power cycle the device by unplugging the power.

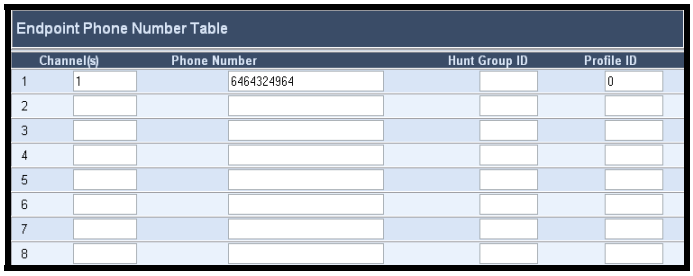
3.3 User-Specific Configuration

3.3.1 Endpoint Phone Number

This table defines phone numbers associated for each of the endpoints. This value can be any alphanumeric string.

NOTE	**Only set the phone number for the port that is being used.**

1. Click **Protocol Management** on the left, and click **Endpoint Phone Numbers**.



Endpoint Phone Number Table

2. In the **Channel(s)** and **Phone Number** columns, enter the following values, depending on whether you have outbound only or inbound/outbound service.

   For example, Channel 1 could have the following settings:

Service Type	Field	Display Name Value
OUTBOUND SERVICE ONLY	Channel(s)	1
	Phone Number	NO_DID1
INBOUND SERVICE	Channel(s)	1
	Phone Number	Enter your DID.

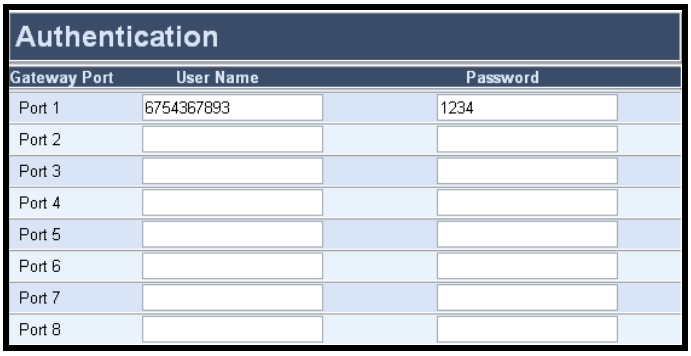
IMPORTANT	**You must have a different phone number for each channel.**

3. When you are finished, click the **Submit** button.
4. Click the **Save Configuration** button to save the change to flash memory.
5. If you are done with the configuration, reset the device by clicking the **Reset** button, or power cycle the device by unplugging the power.

3.3.2 Username and Password

This table allows you to add account information for each port. The platform uses this account information to authenticate the call.

1. Click **Protocol Management** on the left, and click the **Endpoint Settings** tab and then **Authentication**.
   The Authentication window displays.



Authentication Window

2. Enter the **User Name** and **Password**.

IMPORTANT	**You must have a different account and PIN for each port.**

3. Click the **Submit** button to save the changes.
4. Click the **Save Configuration** button to save the change to flash memory.
5. If you are done with the configuration, reset the device by clicking the **Reset** button, or power cycle the device by unplugging the power.