

## Upgrading AP800/400 Firmware for AP-Ware Use

### Procedure

Each AP800 must have firmware version 2.4 or later and each AP400 must have firmware version 3.4 or later for proper data communication with AP-Ware. After you have installed AP-Ware on your computer, complete the following steps.

- 1. Connect an RS-232 serial cable from your PC to the AP unit. The cable must be a pin-to-pin configured cable with all 9 pins connected.
- Determine the current firmware of your AP unit. The firmware version is displayed in the front panel LCD. If there is no letter following the version number, the firmware version is an "a" version. If the letter e follows the version number, the firmware version is an "e" version.
- 3. Open AP-Ware and click the New Site button on the toolbar.
- 4. The Site Properties window will open (see Figure 1). Select the Communications tab. From the drop-down menus, select the desired **COM Port** and **Baud Rate**. The Baud Rate selected here must match the Baud Rate as set on the AP unit.
- 5. Set Flow Control to None. Click OK to save the settings and close the window.

Site Properties - G	TC 1
Site Communication:	
Comm Port:	Com1
Baud Rate:	9600
Flow Control:	None
Use Modem	
Phone Number:	
Init String:	AT&FE0&C1&D1
Reset String:	ATZ
Modem Password:	# A
Panja Configuration	1
Use AMX	AMX Port Number 1
	OK Cancel

Figure 1

- 6. Click the **Firmware Upload** button
- on the toolbar to open the Firmware Uploader.
- 7. Click the Browse button (see Figure 2) to locate the firmware file.

# Technical Note Audio Perfect T100





### Figure 2

Firmware Uploader	×						
Select File Communications Progress Finished							
Step 1 - Select a Firmware Source File							
Select a firmware source file to upload into the unit. The wizard will ve	rify the						
Concents of the nie to ensure data integrity. When you are done, seed	Browse						
File Check							
Once a file has been selected, the wizard will check the file for errors. The status will							
be shown in the window below.							
Ľ							
<u>Prev</u> <u>N</u> ext ▶ Einish	<u>C</u> lose						

8. Select the firmware file (see Figure 3) that matches the current firmware version on your AP unit and click Open.

#### Figure 3

Open					? ×
Look in: 🔂 Firmv	vare	-		<b>C</b>	
Ap400osa.s					
Ap400ose.s					
Ap800osa.s					
Apooose.s					
					_
File <u>n</u> ame:					<u>O</u> pen
Files of type: S Fi	es (*.S)		-	(	Cancel

Note: If there is no letter following the version number, select the appropriate osa.s file. If the letter e follows the version number, select the appropriate ose.s file. Example: AP400 VER 3.0 requires Ap400osa.s; AP400 VER 3.0e requires Ap400ose.s.

- 9. The Firmware Uploader checks the file for errors. Click Next.
- 10. Select the COM Port to be used for the connection and click Finish.
- 11. The Progress and Finished tabs display the progress of the file upload. When the firmware is uploaded, click Start Over on the Finished tab to upload firmware to another unit, or click Close to exit the program.

Note: Do not disconnect cables or otherwise interrupt the firmware upload process.