

UPDATING ECHOFREE® FIRMWARE WITH CONFERENCE COMPOSER

As of 11/21/01, the latest version of Conference Composer is 1.70.17. This includes the latest Vortex firmware, version 1.18.

Firmware Upgrade via Conference Composer software Now Available!

The Conference Composer software now includes the capability to upgrade firmware for the EF2280 Vortex®, EF1210, and EF200. You can now easily upgrade your firmware with a few simple steps (See “Update Your EchoFree Device” below). This capability is included in versions 1.62 and higher. Check our website at www.aspi.com for the latest Conference Composer software and information on our products.

NOTE When installing newer versions of Conference Composer, first uninstall your current version then install the new version.

The latest EchoFree firmware versions are listed below in Table 1.

| ECHOFREE DEVICE | LATEST FIRMWARE VERSION |
|-----------------|-------------------------|
| EF2280 Vortex | version 1.18 |
| EF1210 | version 1.05 |
| EF200 | version 1.13 |

Table 1: Latest firmware versions of EchoFree devices as of 11/15/01.

Update Your EchoFree Device

In Conference Composer software,

1. Connect the RS-232 cable from your computer to the EchoFree device that you are updating. Ensure that your serial port cable is wired with RTS and CTS for hardware flow control. **If you do not have RTS and CTS, this process will not work.** You can keep the device connected to other devices through the ASPI Bus or EF Bus.
2. In the PROJECT menu, select AUTOSCAN to synchronize the device settings with Conference Composer.
3. Open a CONSOLE window by right-clicking on the Serial Port connected to your EchoFree device in the Explorer type menu on the left side of the Conference Composer window. Choose CONSOLE from the menu that appears.
4. In the CONSOLE window, click on the PROPERTIES tab. Make sure that the ASPI DEVICE FOUND LED is blue, which indicates that your computer is communicat-

ing with the EF device. Click on the UPDATE MICROCODE button.

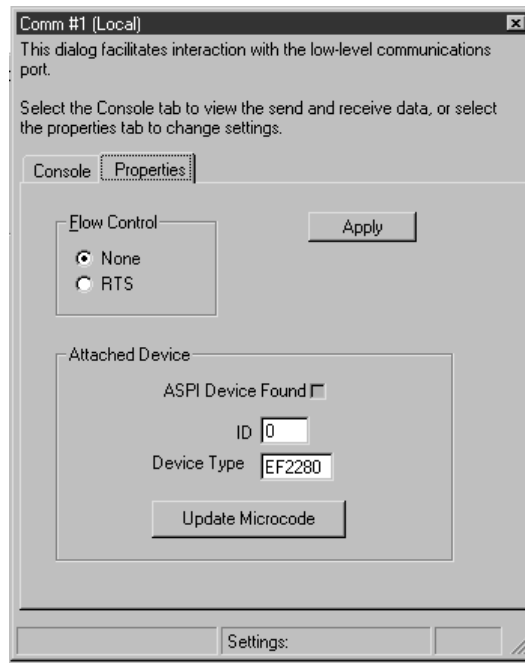


Figure 1. PROPERTIES tab on Console window.

5. In the dialog box that comes up, choose the EFB file for your appropriate device. These EFB files are found in the directory where Conference Composer is installed. Follow the instructions that come up in the dialog boxes.

NOTE When prompted by Conference Composer to perform a STANDARD UPDATE or THOROUGH UPDATE, we recommend choosing THOROUGH. This option will reinitialize the non-volatile memory both before and after the update. If you choose this option, be sure to Autoscan before you begin the update. Conference Composer will automatically load your settings (including presets and macros) back to your Vortex after updating the firmware.