

**TELEX Communications, Inc.**  
**Updating ADAM AIO Firmware**

9/8/06

**Caution:** The following procedure will cause one or more brief disruptions in intercom service. Upgrade procedure should be performed during non-critical periods of intercom usage.

*Read & understand entire procedure before performing upgrade*

This procedure is written using the Status \ Software Versions \ I/O Cards screen in AZedit and AZedit version 3.0.4.

Since this download process could potentially result in a major disruption, we recommend that you only update (download) a limited number of I/O cards at a time, and *updating should be performed during non-critical periods of intercom usage.*

1. Before proceeding, **SAVE** your current intercom setup to disk. (**VERY IMPORTANT**)
2. Make sure AZedit is the active window, and not the help file.
3. From the top tool bar, select Status\Software Versions\I/O Cards. You may need to expand the Version column to view complete lines of the version stats. At this point you will be able to see the existing firmware versions.
4. Highlight about ½ of the AIO cards in the frame & right click the mouse over the highlighted section and click on the Download Firmware pop-up.

**Note:** If right click on the mouse does not work, firmware download may be disabled. To enable this feature, go to the Options menu and select Preferences. Then, click on the Advanced tab. In the Advanced settings, place a check next to Allow firmware download, then click Apply. Click OK to exit. You should now be able to use the firmware download feature. Repeat step 3, above.

5. In the Firmware Dialog box, select the disk drive and folder where the firmware file is located, then select the file that you want to download. For an ADAM CS System, the file name is Aio\_cs.hex; for ADAM, the file name is Aio\_std.hex. Click ok.
6. The Download Device Firmware dialog will now appear, and the download information will display in the upper-left corner.
7. Click Begin Download. First, the file will load, then it will download to the master and the progress percentage will be reported.

**Important:** Be aware that there is a 20-30 second period during the download process where the master controller will take each Audio I/O card off line and reprogram its firmware.

Any disruption at this point (loss of power, card removal, manually resetting cards) will result in I/O card failure! If this happens, you will have to try and repeat the download, return the affected cards for replacement, or you will have to remove the EEPROM chips from the affected cards and manually reprogram them with an EEPROM programmer.

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8. When the file has been 100% downloaded, the master controller will begin updating the I/O cards. During this time, the Version column may display nothing, n/a, or unknown while doing its updating.. Also, affected intercom ports will temporarily go offline.
9. When the update is completed, the intercom ports will come back on line, one-by-one, the updated version will be displayed as verification and the AIO status screen for I/O cards will change to OK Cur. The complete update procedure may take several minutes, depending on the number of AIO cards selected for downloading.
10. Repeat steps 3 – 6 for the remaining AIO cards to be upgraded.

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