# Upgrade from CSedit to ADAMedit



### *Pre 9.0 Master Controller Version Firmware*

*The following steps are necessary to convert existing ADAM CSedit configuration files to the ADEMedit format. There is no stand-alone convert program between ADAM CSedit and ADAMedit. ADAM CSedit 8.4.0 is specific to the size of matrix it is to work with. Use **only** the correct version, e.g. for **ADAM**-136, 256, 360, 448, or ADAM-CS. Csedit for **ADAM-CS** specifically requires Csedit ver 8.4.1 for ADAM-CS when using with ver 9.X master controller firmware.*

## General Requirements

- *ADAM CSedit software ver 8.4.0. (size specific)*
- **Csedit software for ADAM-CS ver **8.4.1** when talking to a 9.X version ADAM-CS master controller.*
- *ADAMedit software ver 1.04.03 or higher.*
- *PC running Windows 3.11, 95 or NT.*
- *Upgraded Master Control Card/Cards ( see below ).*
- *Update AIO cards first, then Master Controllers.*

## Master Controller Card Requirements

- All 8 - 512K RAM ( 4 meg ) must be installed on master controller card U10-U13, U15-U18.
- ADAM-CS need only to have RAM U10 – U13 installed.
- U3 & U5 configuration flash must be 4 meg, 29F040 (both ADAM and ADAM-CS).
- U2 & U4 program flash must be 4 meg, 29F040, and be programmed with ver 9.0 or higher.
- Master Controller Altera (U19) must be ver 4.1 or higher.

*If U15-U18 and Altera ver. 4.1 or higher are not currently installed, the entire M/C card(s) will require a card exchange. The installation of these devices requires surface mount component procedures and is not a recommended field operation.*

## Procedure

### *Initial File Conversion*

(Old CSedit to Interim CSedit 8.4.0*)

1. Make a new directory called CSedit and install version 8.4.0* into it.
2. Create a sub-directory under CSedit called “V8_4_0*”.
3. “Copy” existing setup files into this sub-directory.
4. In DOS, run “*convert.exe*” from the CSedit directory and follow screen instructions for file conversion. NOTE: When asked for a directory name, it means exactly that. Csedit convert utility wants to put the converted file into a directory, not just on a disk.
5. Once files are converted, run CSedit 8.4.0* and load each converted file to confirm it can read each of them. Also, when a file has been converted, a message stating “Unconverted to <*pathname*>” will appear. Although confusing, this is normal.
6. Exit CSedit.

### *M/C and AIO Upgrade*

7. Pre-burn the required number of updated M/C and AIO flash required for the system.
8. Exchange M/C cards with upgraded cards per “Master Controller Card Requirements” stated above.
9. Exchange AIO flash with updated pre-burned flash.
10. Check to see if both M/C’s come up and read “ok current” in CSedit.
11. Check AIO cards to see if CSedit recognizes them.
12. Install ADAMedit in its own directory for later use.
13. Run CSedit 8.4.0*
14. Load a converted setup file from step 5 into intercom under CSedit 8.4.0*.

## Upgrade from CSedit to ADAMedit, cont'd.

### *Final File Translation*
(CSedit to ADAMedit)

15. Check status of AIO cards and keypanels.
16. Exit CSedit and run ADAMedit.
17. ADAMedit should go on line and upload intercom configuration.
18. From ADAMedit select "file", "save as" and save it as "***" . This has now translated the CSedit file type to an ADAMedit file. ADAMedit will will add the extension ".ADM" to the file name you entered

This translation procedure must be performed for each CSedit file to be run under ADAMedit.

# Update ADAM Master Controller Firmware via ADAMedit

*The following is for updating the ADAM Master Controller card firmware in an ADAM matrix via the ADAMedit* ***Firmware Download*** *procedure.*

## Requirements

- *Computer running ADAMedit*
- *The new combined Hex file for the Controller card*
- *Upgrade AIO cards first, then Masters.*

**CAUTION:** When upgrading ver 9.1.1 or earlier to anything later, you **must** download ver 9.1.2 prior to downloading 9.2.0 or later. This is due to the download buffer in 9.1.1 and earlier, is not large enough to handle the later files. Versions 9.2.x and later do not require this intermediate step.

## Procedure

1. Save the configuration that is currently in the ADAM to a file on the computer. This must be done as the upgrade to the controller firmware clears the memory in the Controller configuration memory.
2. Place the combined Hex file into a "temp" directory.
3. Open ADAMedit and ensure that you are **ONLINE** as indicated in the Mode Pane in the lower right hand corner of the ADAMedit screen. If **FILE** is displayed***, check communications settings before proceeding***.
4. If you should have two controllers. Remove the standby controller card (upper-most LED #23 is off).
5. Select **Status** from the pop downs along the top of the screen.
6. Select **Software Versions**.
7. Select **Master Controllers**.
8. It should show the current version of master firmware installed.
9. Highlight this line by clicking on it with the mouse.
10. Now execute the following keystroke: **Ctrl + Shift** ▲ and **D**.
11. A dialogue box named **Firmware Download** will appear.
12. From the "temp" directory created earlier, select the file **combined Hex** and click "**OK**".
13. You now should have a dialogue box named **Download Device Firmware**.
14. Select **Begin Download**.
15. The download bar should show the "%" of download in progress. This takes a few minutes.
16. When this is complete the system will reset.
17. Wait a minute and re-connect ADAMedit.
18. Confirm that the Master Controller Version is now the new version. (see steps 5-7)
19. Send saved configuration file. (from step 1)
20. Now remove the updated controller card, insert the standby card, and repeat steps 3, 5 to 19.

# Update Adam AIO Card Firmware via ADAMedit

*The following is for updating the ADAM AIO card firmware in an ADAM matrix via the ADAMedit **Firmware Download** procedure.*

## Requirements

- *Computer running ADAMedit*
- *The new Hex file for the AIO card, ver. 9.2.0 or higher.*
- *Flash to remain 1 meg.*

## Procedure

1. Place the **Hex** file into a temp directory
2. Open ADAMedit and ensure that you are online.
3. Select **Status** from the pop downs along the top of the screen.
4. Select **Software Versions**.
5. Select **IO Card**.
6. It should show the current version on all the cards fitted
7. Highlight them using the **Shift** ⬆ and ⬆⬇ arrow keys. Note that due to the memory that this uses on the Controller cards it is recommended to only select 5 AIO cards at one time.
8. Now do the following keystroke **Ctrl + Shift** ⬆ and **D**.
9. A dialogue box named **Firmware Download** should appear.
10. From the Temp directory created earlier, select the **Hex** file, then click “OK”.
11. You now should have a dialogue box named **Download Device Firmware**.
12. Select **Begin Download**.
13. The download bar should show the % . This takes a few minutes.
14. When this is complete the AIO’s will reset. When the status of all the selected AIO cards returns to **OK CUR**, the download is complete.
15. Confirm that the AIO cards now have the new version.

**NOTE:** Crossing frame boundaries is ok but it will take longer to download due to communications delay through multiple Master Controllers. Also, when selecting AIO cards in multi-frame system, do not highlite Bus Exp cards.

# Reset ADAM Configuration

*The object of this procedure is to completely clear the Master Controller setups and re-load the system configuration file. Often when upgrading an Adam system to ver 9.x.x without downloading, e.g. pre-programming 4 meg flash and inserting into M/C card, the controllers will likely not do a “first birthday” and may think it is sized as something it is not.*

*This program will tell the intercom to do a “First Birthday”.*

## Procedure

Exit ADAMedit, run "resetcfg.exe" from DOS. If it finds the intercom it will put up a warning that this will wipe out the intercom's setup. Enter "**Y**" at the prompt. The intercom should do a first birthday, then reset and come up in its “real world” size.

**Command:** resetcfg /{baud} /{port}

**{baud}** is /9600 or /38400 (*default is /9600*)

**{port}** is /com1 or /com2 (*default is /com1*)

**Example:** resetcfg /9600 /com1 <*return*> A space must be entered before “/”.

Baud rate and com port settings may be checked in ADAMedit or CSedit prior to running RESETCFG.