

## Upgrading DBX Cards, 2 Frames to 3 Frames

Upgrading DBX cards.doc  
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First, both 2- and 3-frame systems can be non-redundant (1 DBX/frame) or redundant (2 DBX/frame). I hope that the number of DBX per frame isn't changing - if it is, all the ports (other than the first 56) will shift to a different AIO card.

I'll assume redundant - the non-redundant is (slightly) easier.

1. Have the 3<sup>rd</sup> frame in place, all cards installed, but powered off.
2. Be sure to **set DBX's dip switch(s) #7 OFF** to make frame 3 a slave frame.
3. In AZedit, go on-line and save the current setup to a file for later use.
4. Power off frame 2.
5. Disconnect trunking.
6. Remove the standby DBX and the standby Peripheral Controller from frame 1.
7. Under Options/Intercom Config, note all resources and options.
8. You should also Options/Preferences/Advanced and enable I/C Resizing On Line.
9. Resize the matrix to 3 frames. Also, check the other config options to see if there are any other options to change at this time (increase # of talk levels, increase # of PLs, etc.).
10. When you do the actual resize, first the DBX will go off, resize itself, and reset; then the Periph Ctlr will do the same. Then you will be talking to a 3-frame with a blank setup.
11. Reinstall the standby DBX in frame 1. It will start talking to the active DBX, resize itself, reset, then come back up as standby.
12. Reinstall the standby Periph Ctlr in frame 1. It will behave like the DBX in step 11.
13. Change the DBX wiring (coax) to what is required for the new configuration with the 3<sup>rd</sup> frame.
14. Power up the slave frames. I'd do frame 2, wait a couple of seconds, and then frame 3; but it shouldn't really matter.
15. Reconnect trunking.
16. Verify the firmware versions in the AIO and DBX cards in frame 3; download any devices that need it.
17. Order of upgrades should be as follows: Upgrade slave frame DBX's in frames 2 & 3 first. Then upgrade the DBX's in frame 1.
18. Next, remove the standby Periph Ctlr in frame 1 and download to the active Perif Ctlr.
19. After the active Perif has updated itself, remove it and re-insert the former standby Perif Ctlr.
20. When the standby (now active) Perif Ctlr stabilizes, download the upgrade firmware to it.
21. This should complete the process. After the Perif Ctlr stabilizes, send the saved file from step 3.