# 4010 IFB Power Supply Modifications for use on ADAM, Adam-CS & Zeus Matrixes.

4010 Mod.DOC
4-18-02

1. Remove 4010 top cover.
2. Remove the following chips. U3, U4, U9,U10,U13,U14,U19,U20.
3. Insert jumpers in the following locations.
   U3 pins 5 to 4. U9 pins 12 to 14. U14 pins 2 to 15. U20 pins 5 to 4.

4. Using a 50 pin connector (male) fabricate a connector for J101 with the following connections. These inputs are Line level 600-ohm +4 DB ref. Since the Matrix is +8 DB ref, you may have to use the Analog Input/Output Gains to trim the output of the Matrix.
5.

The connections are:

IFB 1 = Pin 4 (+) 29(-)
IFB 2 = Pin 9 (+) 34(-)
IFB 3 = Pin 14 (+) 39(-)
IFB 4 = Pin 19 (+) 44(-)

The above inputs would be connected to the matrix using the ports you wish to assign for IFB use. Connect using contacts 2 (+)& 5(-) on the RJ-12 or Pins 8 (+) & 7 (-) on DE-9 connectors.

As an option, you may wish to use the SA out of the 4010 by connecting the following pins on J101 to a normally open relay, (possibly UIO-256). When closed, these contacts will allow audio from one of the four IFB inputs to be sent to the SA out.

IFB 1 = 3 to 28
IFB 2 = 8 to 33
IFB 3 = 13 to 38
IFB 4 = 18 to 43

These modifications ONLY affect the Interrupt output side of the IFB. You will now do the IFB interrupt in the Matrix and assign that program source in the Matrix. The Non-interrupt inputs on the 4010 are still driven from the rear barrier strip labeled PGM Input and will continue to be selectable by the front panel switches on the 4010. All gain controls & monitoring in the 4010 will also continue to work.