

FHX-1s are connected in the same manner. All the expansion cables are oriented the same way - if you find yourself twisting the cables, chances are you're inserting the ends incorrectly. With a row of FH-1/FHX-1s, all the cables should stay flat.

Note that each FHX-1 requires its own individual power connector as well as the expansion connector.

Jumpers

There are 11 possible jumper positions on the FHX-1's PCB.

Output level jumpers

The 8 jumpers numbered JP1-8, situated in a row above the jack sockets, set the voltage range for each output. The options are:

- $\pm 5V$ - jumper in lower position (factory default setting)
- 0-10V - jumper in upper position
- 0-5V - jumper not fitted

Expander selection jumpers

Next to the Expansion IN connector are two 3-way jumper blocks numbered JP9 & JP10. These are used to select which of the possible 8 expansion channels this FHX-1 responds to.

Channel 'zero' is the FH-1 or FH-2 itself. Channels 1-7 are the expansions channels, corresponding to outputs 9-64.

The expansion channel is selected by placing jumper links in a binary pattern between JP9 and JP10. As shipped (and as in the photo above), a jumper is placed in position '3', which corresponds to a value of 1, so the FHX-1 responds on expansion channel 1.

The position labelled '2' corresponds to a value of 2, and the position labelled '1' corresponds to a value of 4. Therefore, the 7 expansion channels are selected by placing jumpers as in the table below:

	1	2	3
Expansion channel 1			
Expansion channel 2			
Expansion channel 3			
Expansion channel 4			
Expansion channel 5			
Expansion channel 6			
Expansion channel 7			

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