

Korg Polysix fx Send / Voice board out Modification

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This modification is **way** simple and I urge everyone who owns a PolySix to do it. Not only does it allow you to use the thing as an effects processor, it also gives a much cleaner, crisper output for the Polysix (albeit one without effects).

The first step is to drill two holes in the back of the PolySix's case, large enough to accomodate a phono socket each.

Insert two mono, NC scitsched phono sockets into the holes and solder a wire between the switch connections. Also solder a wire between the ground lugs on each of the sockets.

Now locate hte voice board out connector, the voice board (in my revision at least) is the second board from the right, and the output connector is about 4 inches to the left of the rearmost part of the board. On mine it is a small 'molex' type connector, the cable it is attached to should run to the leftmost board.

Locate and isolate the 'Signal' wire from this connector, and cut is level with the sockets you have installed. Connect the end of the 'signal' wire coming from the voice board to the 'tip' lug of the rightmost phono socket you installed. Connect the effect board side of the 'signal' cable to the 'tip' connection of the leftmost phono socket. Cut and connect the ground wires similarly.

Now you have a normalised in / out socket pair. When no plugs are inserted, the signal path is unbroken, leaving the normal operation of the PolySix unaffected. The leftmost socket is an effect in, with the fx out being taken from the normal Audio out on the rear panel. The other socket is a direct voice board out, there is no external volume control, **but** it does bypass the fx board which causes a lot of noise and high frequency attenuation.

Good Luck!