

XTA Electronics Ltd.

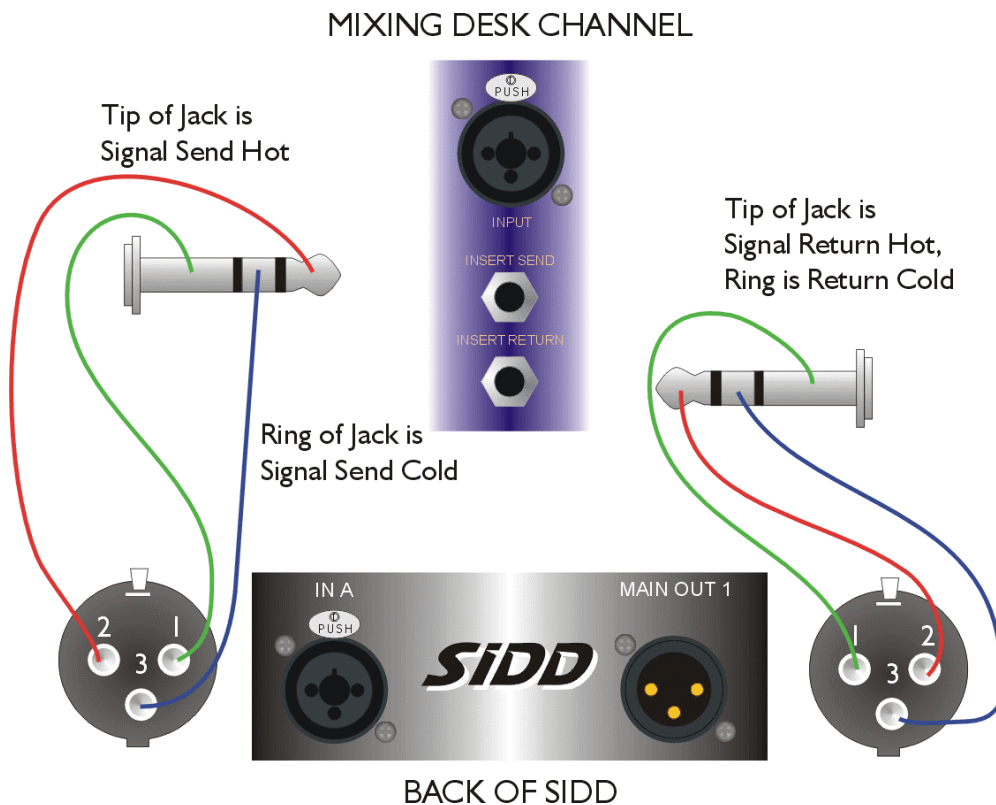
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...wire SIDD for use on inserts

There are two variations as far as insert points go on mixing desks. The first variation, on professional fully balanced desks, uses a separate 1/4" jack for the signal sent from the channel, and one for the return signal to the channel from the piece of outboard gear.

Both jacks are of the stereo type with three poles, as the send and return are both balanced lines. The wiring of these jacks is shown below, with connections to SIDD given.



The other arrangement, commonly found on M.I. (semi-pro) equipment is a single ¼” jack. This is again a three pole connector, but uses the tip as the unbalanced send from the desk, and the ring as the unbalanced return from the outboard equipment. It’s worth noting that the ground connection for the XLRs should not be used unless hum loops occur. If they are a problem, connect pin 1 to pin 3 in the XLR plug.



If this arrangement doesn’t work, it’s probably because the send and return connections are reversed on the insert jack. The standard is normally “Tip – Send, Ring – Return”, but some older desks chose to implement it the other way round. A quick way to check is to set up the channel without an insert so it functions normally, and then plug a **mono (two pole)** ¼” jack lead into the insert. Plug the other end of this lead into a spare channel on the desk. If there is signal available on this jack lead, then the tip must be the signal send.