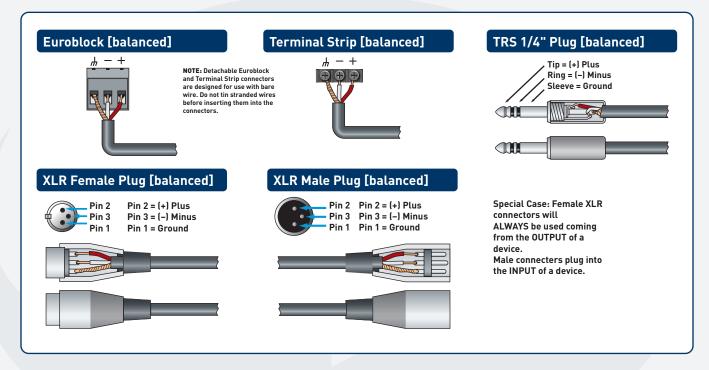
Symetrix Tip Sheet

Symetrix Cable Wiring Guide Balanced Connections

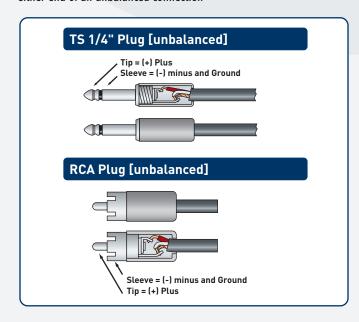
Any of these connectors can appear on either side of a balanced connection.

NOTE: In the case of an XLR connector, the Female attaches to an output, while the Male attaches to an input.



Unbalanced Connections

The RCA connector and the 1/4" TS connector are unbalanced connectors, wired with a single strand shielded wire and can be placed on either end of an unbalanced connection



9 IMPORTANT NOTICE **9**

The wiring diagrams on these pages are included **for information purposes only**.

Symetrix can not anticipate every connector type on non-Symetrix products. It is the user's responsibility to determine what connection is needed.

In addition, Symetrix accepts no responsibility for injury or damage caused by user created wiring.



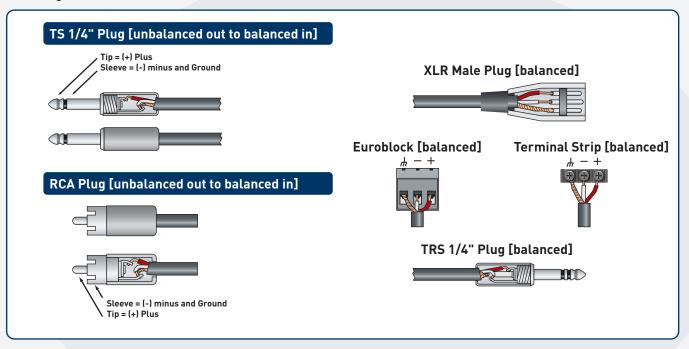
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Unbalanced Connections:

Unbalanced out to balanced in

The RCA connector and the 1/4" TS connector are unbalanced connectors. However, the wiring differs depending on if they are sending to, or receiving from a balanced connector.

In this example, the unbalanced connector is sending signal to a balanced connector. When wiring this connection, use a shielded twisted pair cable. The balanced side wires the same as a standard, balanced connection. On the unbalanced side, you wire the white (minus) wire together with the ground. This provides some common mode rejection at the balanced input.



Unbalanced Connections:

Balanced out to unbalanced in

When your output requires a balanced connector, but you are sending signal to an unbalanced input, the rules change. Use a single strand shielded wire. Wire only to the plus and ground terminals of what would the typically be the balanced connector.

