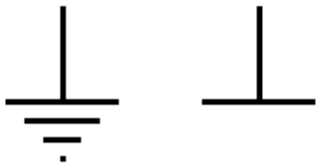
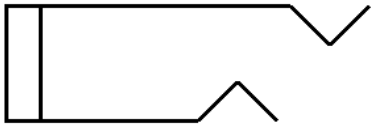
Grounding and battery hookup

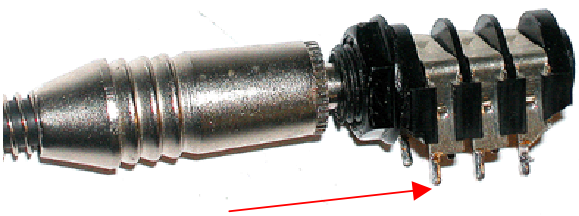
Ground symbols

All these have to make connection to each other and to the input and output.

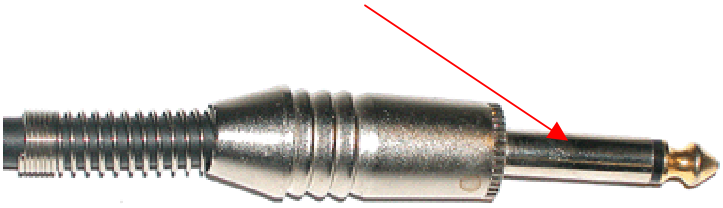


Jack



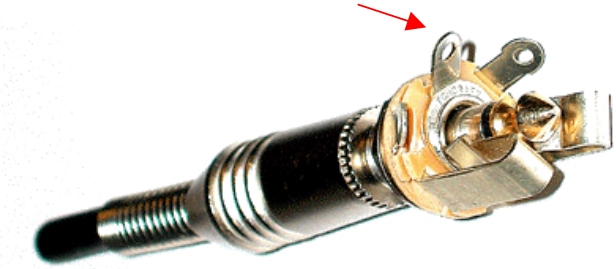


The connection should be here in this kind of jack. Make sure you use the pin that actually makes contact to the sleeve as its often one on the "other side" that doesn't. Here is where the jack makes contact.



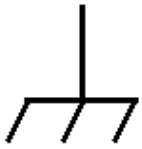
It should also make a connection to the chassis (if it's made of metal) and to the same position at the output jack.

Here is where you connect ground wire



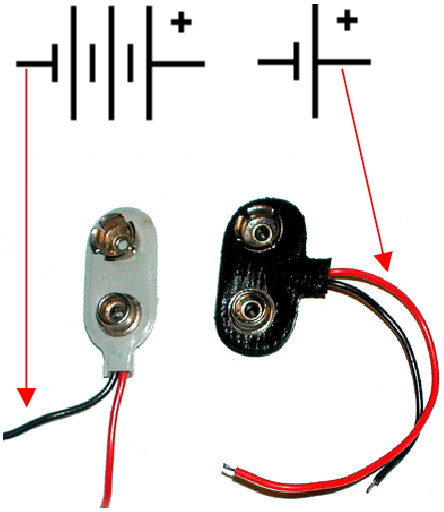
Notice that with this kind of jack you don't have to connect a wire to the chassis, it makes contact right through the jack itself and if you also use this as output jack you don't have to connect a ground wire to it at all, IF you're using a metal chassis.

Chassis ground

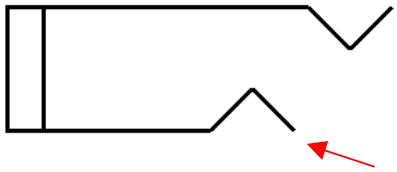


It just shows you that from this point there should be a wire to the chassis.

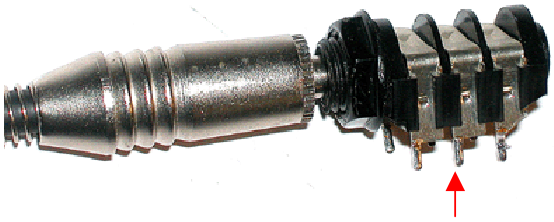
<u>Battery</u>



Red wire makes contact with the + side of the battery.

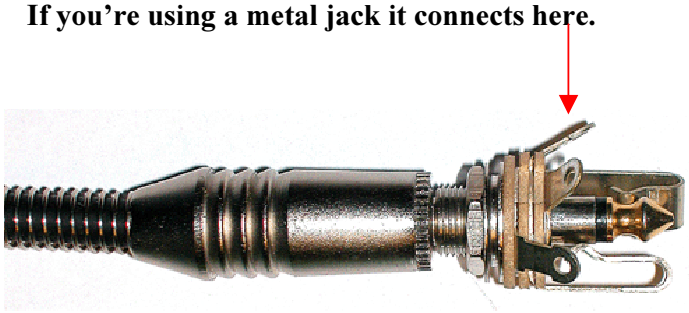


Black wire is drawn to this point in schematics…



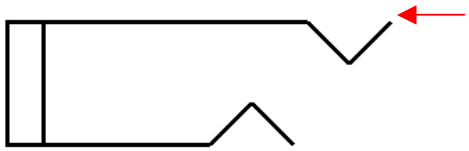
…and that should be connected here and reach the ground only when you plug in the cable.

If you're using a metal jack it connects here.



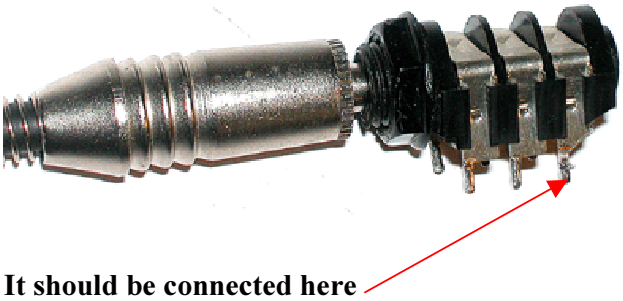
As you see it will make contact to ground when you're plugged in, otherwise it "hangs free" and the battery is disconnected, a simple "battery turn off" to save battery.

Input

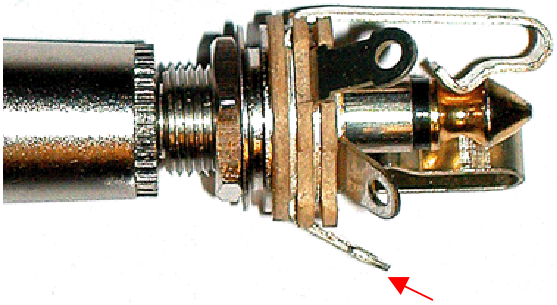


Input is drawing to this point in schematics…

…and some times it's just written "input" without showing the jack symbol.



It should be connected here



If it's a metal jack it should be here

Same principals also goes for the output connection.