



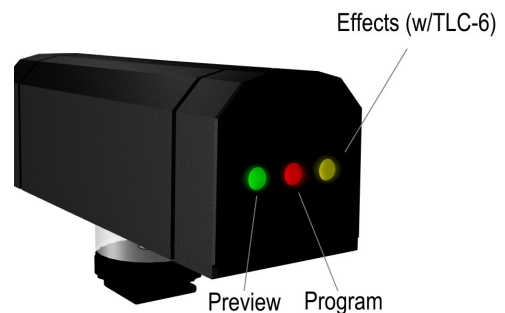
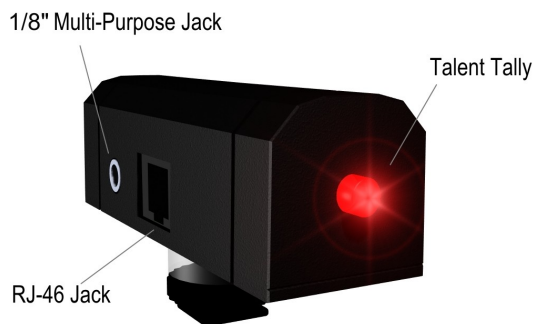
The metaSETZ TL-2 tally light can be used directly with the tally connectors on the front of the NewTek TriCaster 300, Studio or Broadcast (1/8" phone) or with the metaSETZ TLC-6 and TLC-8 Tally controllers (RJ-45).

When used with the TC300 the TL-2 provides two status indicators for the camera operator (green when the camera is on preview, red when on program) plus an ultra-bright LED tally for the on-camera talent. The talent tally can be disabled via a jumper.

When used in conjunction with the TLC-6 controller connected to any of the standard def TriCasters a third, yellow status LED is enabled that illuminates when the camera is on the FX bus.

When used with the TLC-8d controller on a TriCaster 450 or 850 you get the red program and ultra-bright talent tally.

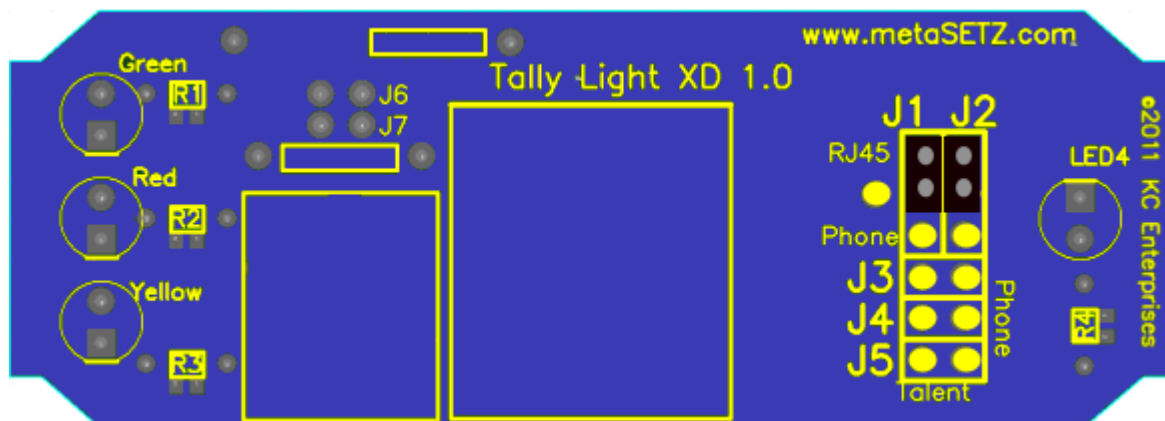
Important: The TL-2 is not an Ethernet device it just uses the same type wiring because it is commonly available but *Do not* connect the TL-2 into an ethernet network as damage to the TL-2 or other equipment may occur.



The TL-2 from metaSETZ can be used in several different configurations and it is important that the jumpers be correctly set *before* you plug it in, otherwise the light or other equipment could be damaged.

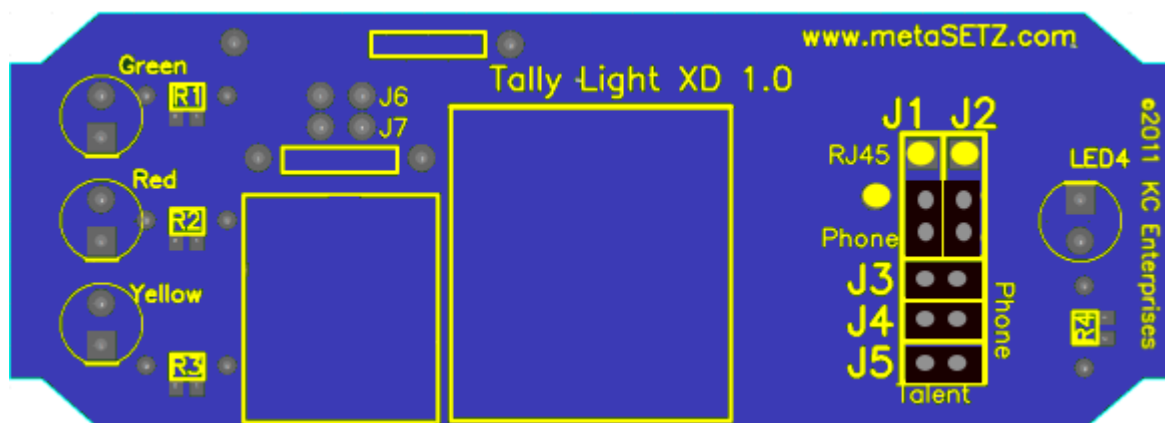
There are two interfaces on the TL-2 an RJ-45 (Ethernet style) and a 1/8" phone jack (mini-headphone type). The RJ-45 jack should be used if you are connecting to a metaSETZ TLC-6 or TLC-8 tally light controller while the phone jack should be used for directly connecting to the tally outputs on a TriCaster 300, Studio or Broadcast.

Use the jumpers to configure the multi-purpose jack if you are connecting to a TLC-6 or TLC-8 controller Unless you specified otherwise this is the factory setting:



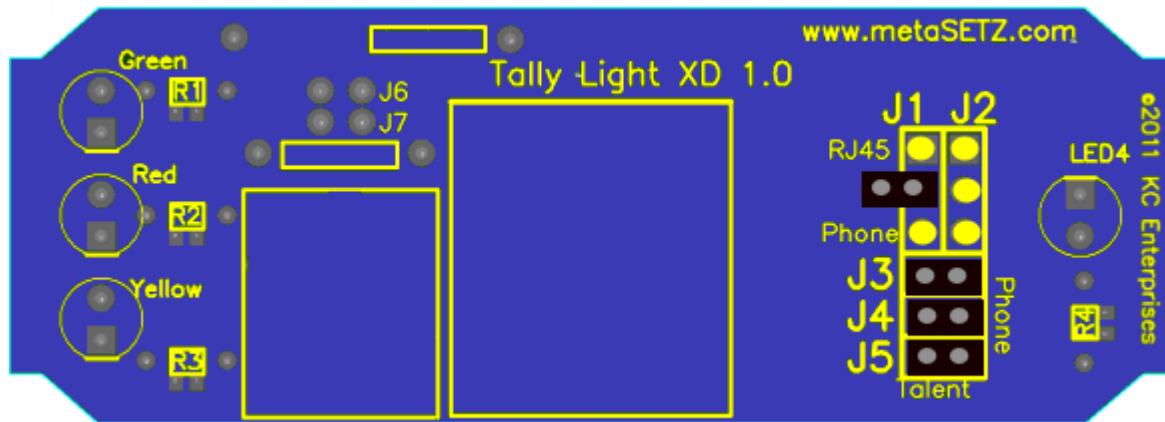
In this mode the four LEDs can be independently controlled by the controller and the 1/8" jack can be used as an intercom or headphone feed for the camera operator. (See controller manual for details). Connect the TL-2 using the RJ-45 jack and standard Ethernet style cable.

Jumper setting to configure the TL-2 for use with the 1/8" jack and a TC300:



In this mode the Red 'Program' and 'Talent' tallies will illuminate when the input is on the program bus and the green LED will illuminate when the input is selected on the preview bus. If you wish to disable the 'Talent' tally remove the jumper from J5. Connect the TL-2 to the TriCaster with standard audio type cable with 1/8" stereo phone plugs.

If you are connecting directly to the tally outputs on the TriCaster Studio or Broadcast use these jumper settings:



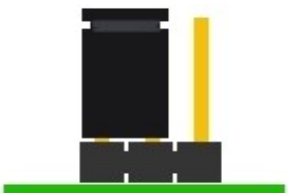
In this mode only the Red 'Program' and 'Talent' tallies will illuminate. If you wish to disable the 'Talent' tally remove the jumper from U5. Connect the TL-2 to the TriCaster using stereo 1/8" plugs. The TriCaster uses the sleeve and ring of the stereo plug.

How To Work Jumpers

In the old days we would expect that you knew how to do this but it's a new (mostly) jumperless millennium so we'll explain:



The purpose of the jumper or shorting block is to connect together two pins that stick up from the circuit board. Most of the time there will be two (or more) possible "positions" for the jumper giving a choice of which two pins get connected together.



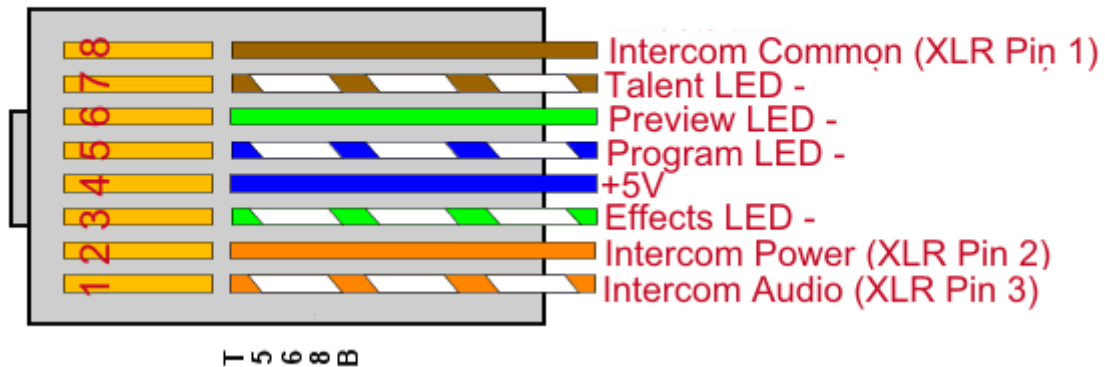
In this case we've connected the center pin and the left pin.



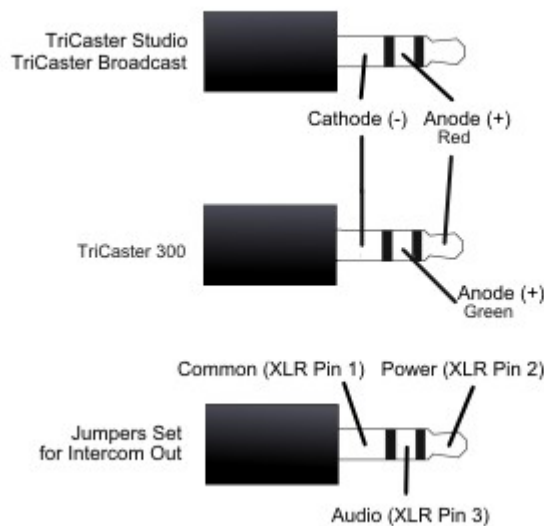
Or we can connect the center pin with the right pin.

Basically jumpers act as a simple switch, the TL-2 uses several jumpers to configure the multi-purpose jack and to enable or disable the talent LED.

RJ45 Input Wiring Diagram



1/8" Multi-purpose Jack Wiring Diagram



Disassembly:

- Remove the four screws that hold two halves of the unit together and remove the bottom.
- Pry the end of the circuit board with the single LED up and pull the board out. This will bend the leads on the LED, it's OK to do this a few times, too many and the leads will break.

Re-assembly:

- Remove the white LED diffuser
- Insert the three indicator LEDs into their holes first.
- Use a small screwdriver to guide the talent LED into position as you push the board into position.
- Insert the LED diffuser. This will push the LED back.
- With the small screwdriver push the LED into the diffuser from the back.
- Re-install the bottom of the unit. Don't over-tighten the screws.