TIMES SQUARE LIGHTING INC.

Times Square Lighting, Inc. 5 Holt Drive, Stony Point, NY 10980
845-947-3034 FAX: 845-947-3047 www.tslight.com

INSTRUCTIONS FOR CONNECTING POWER AND DMX (RDM) DATA TO THE *PULSE* XTSC SERIES LIVE ENDS

Notes regarding Data Track using DMX (RDM): Make certain that the control wiring to the Live End is in accordance with DMX512-A specifications. Control wiring, including the track, should be limited to no more than 1000 feet* (approx. 300 meters) in length per run. If more than one section of track is to be used per run, then those sections must be connected in a "daisy-chain" fashion. 32 fixtures maximum* may be placed on a single run. At the end of the run, a 120 ohm terminating resistor must be installed. Splitters must be used if more than 32 fixtures are to be connected to the same DMX signal. It may be beneficial to use specialists, ie, DMX Integrators when designing complex layouts. Generally, data cables should not be run in close proximity to, or in the same conduit as the power wires. Electromagnetic interference, or "noise" generating from the power wires can corrupt the data signals. If it is necessary to run them together, the length should be limited to 6" or less.

* These numbers may be increased with the use of signal boosters.

CAUTION: Read and understand these entire instructions before proceeding.

CAUTION: Do not expose the track system to any lubricants, solvents or cleaning solutions, as they may impair the strength of the product. To clean, use a damp cloth only.

CAUTION: Do not slide any adapter down the track to change its location. The adapter must be properly removed from the track and re-inserted into its desired location.

CAUTION: The Times Square track system is intended for use only with Times Square components and lighting fixtures. To reduce risk of fire or personal injury, do not use other components as part of this system.

CAUTION: The track system is to be installed by qualified electricians only, and in accordance with the National Electrical Code and all local codes and ordinances.

CAUTION: Do not install the track system in damp or wet locations, where likely to be subjected to physical damage, in hazardous (classified) locations, where subject to corrosive vapors, in storage battery rooms, where concealed or extended through walls or partitions, or within a zone measured 3ft horizontally and 8ft vertically from the top of a bathtub rim or shower threshold.

CAUTION: Do not install any parts of the track system less than 5 ft above the finished floor without prior approval of the Authority Having Jurisdiction (AHJ).

CAUTION: Do not install any fixtures closer than 6 inches from combustible materials.

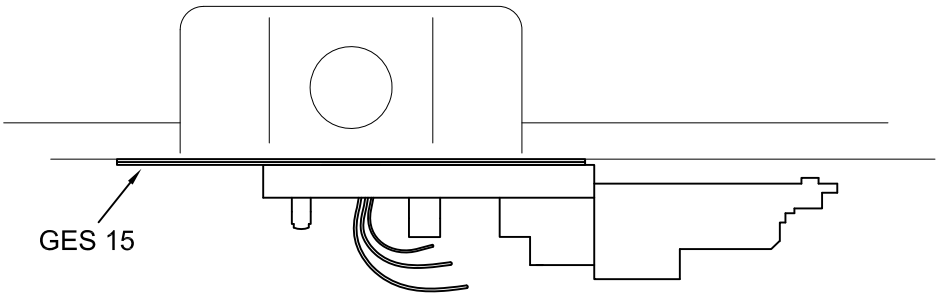
CAUTION: Do not use the track system with a power supply cord or convenience receptacle adapter.

CAUTION: Do not install the track system with the track energized. Similarly, disconnect power to track when installing or removing components or changing the layout of the track.

CAUTION: Do not attempt to hang, drape over, or install anything other than lighting fixtures to the track. To reduce the risk of fire or personal injury, do not attempt to connect power cords, extension cords, appliances, and the like to the track.

Note: There are 3 common methods to bring power and data to the XTSC Live End. Steps 1 through 4 are common to all 3 methods if an XTSAJ10 Adapter is required. Read and understand all instructions below to determine which is the most suitable for your layout. For long, complex layouts, methods 2 and 3 are recommended.

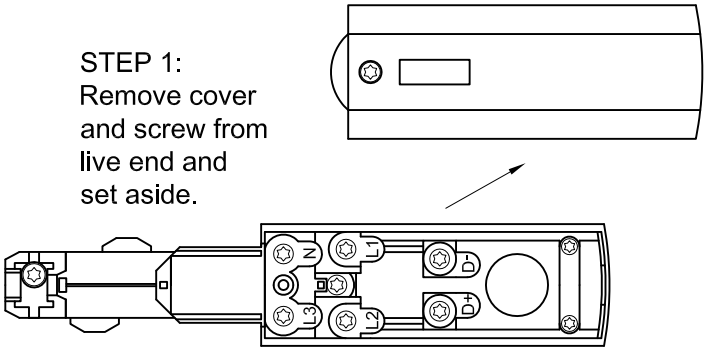
Power can be fed into the adapter directly from an electrical box with an optional GES 15 Canopy Cover. If this method is not practical or possible, then an XTSAJ10 Adapter is required (See directly below).



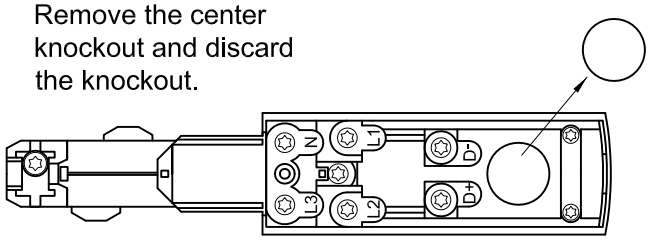
ATTACHING THE XTSAJ10 ADAPTER

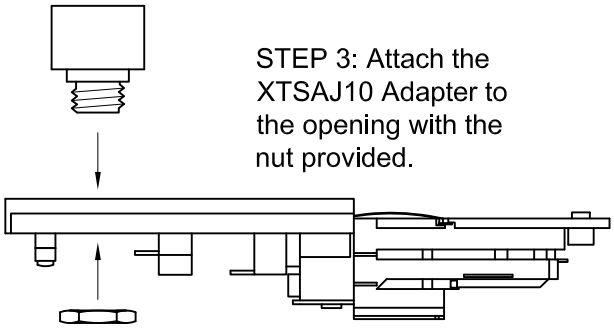
NOTE: The XTSAJ10 Adapter will accept any standard 1/2" trade size threaded connector

STEP 1:
Remove cover and screw from live end and set aside.

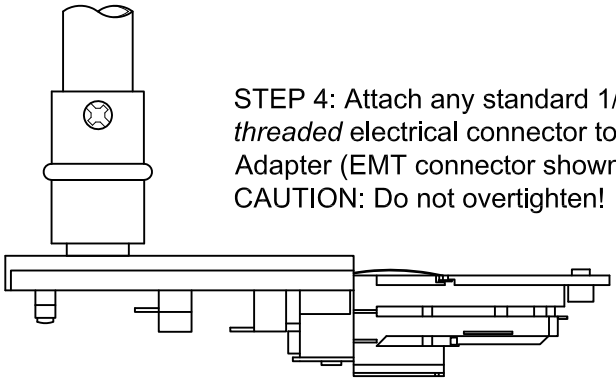


STEP 2:
Remove the center knockout and discard the knockout.





STEP 3: Attach the XTSAJ10 Adapter to the opening with the nut provided.

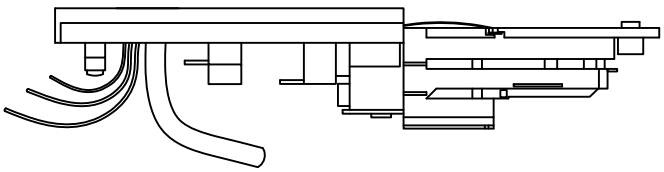


STEP 4: Attach any standard 1/2" *threaded* electrical connector to the Adapter (EMT connector shown). CAUTION: Do not overtighten!

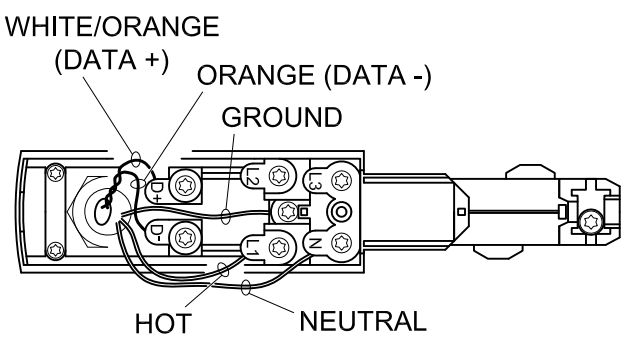
METHOD 1: DATA USING CAT5

Power and CAT5 data cable in same conduit (conduit must be less than 6")

STEP 5: Feed the power wires and CAT5 data cable through the XTSAJ10 Adapter as shown. NOTE: Power and data cables should not be run in close proximety to one another for more than 6" (see option 2 for alternate wiring using CAT5 data cable). Make certain that the data cable is rated for 300V (or use option 2).

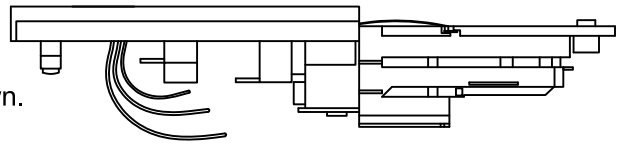


STEP 6: Make electrical connections as shown and re-attach cover onto XTSC Live End.

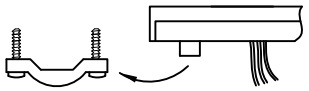


METHOD 2: DATA USING CAT5
Power and CAT5 data cable run separately

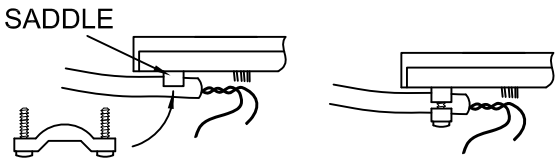
STEP 5: Feed the power wires through the XTSAJ10 Adapter as shown.



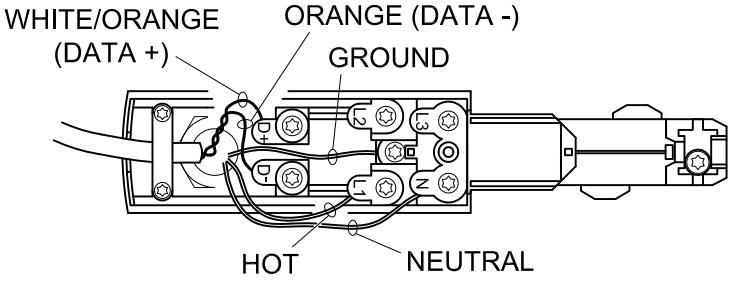
STEP 6: Remove strain relief and screws and set aside.



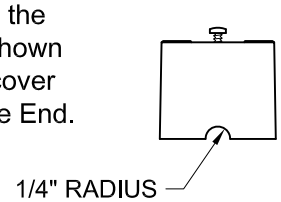
STEP 7: Strip 1-1/2" of the jacket from the CAT5 cable and trim off all wires except for the ORANGE and ORANGE/WHITE wires. Place the CAT5 data cable over the saddle and re-attach strain relief upside down as shown. Make certain that screws are snug.



STEP 8: Make electrical connections as shown.

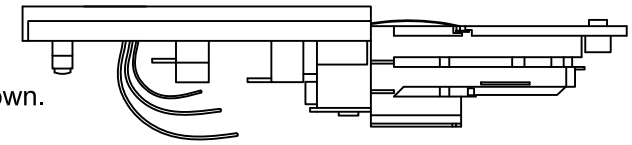


STEP 9: Notch the cover end as shown and re-attach cover onto XTSC Live End.

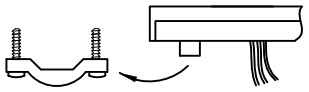


METHOD 3: DATA USING BELDEN 9729 SHIELDED CABLE OR EQUIV.
Power and shielded cable run separately.

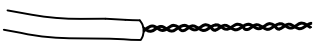
STEP 5: Feed power wires through the XTSAJ10 adapter as shown.



STEP 6: Remove strain relief and screws and set aside.

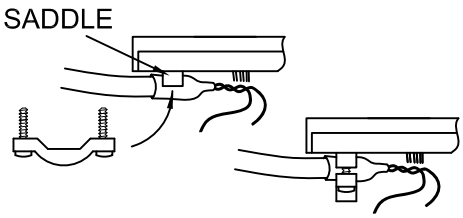


STEP 7: Strip the data cable jacket 1-1/2" from the end and trim everything except for the twisted pair of wires intended to carry the data signal.

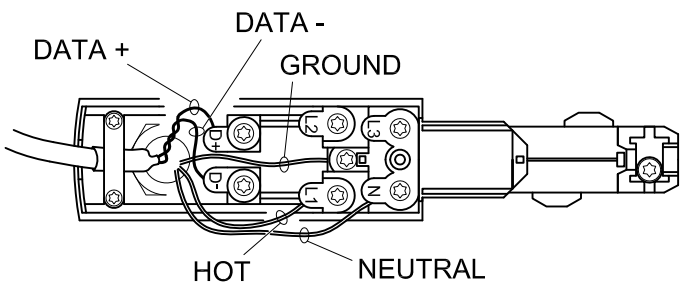


STEP 8: Add 1" of heat shrink tubing to the end of the data cable as shown. NOTE: Electrical tape may be substituted for the heat shrink tubing.

STEP 9: Place the data cable over the saddle and re-attach strain relief as shown. Make certain that screws are snug.



STEP 10: Make electrical connections as shown.



STEP 11: Notch the cover end as shown and re-attach cover onto XTSC Live End.