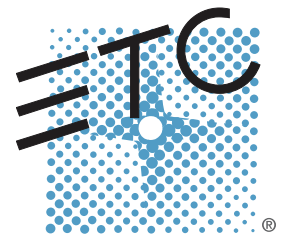


# DATA TRACK BY EUTRAC®

## DMX Termination Guide



This termination guide demonstrates the proper procedure for installing DataTrack couplers and gives helpful tips for laying out a DataTrack system.

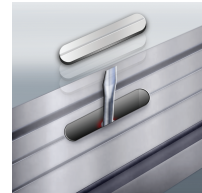
### FEATURES

ETC's DataTrack is a professional-grade track system that offers built-in DMX/RDM wiring with two separate circuits that can be either switched or dimmed. DataTrack can be used for hybrid systems using both conventional and LED fixtures.

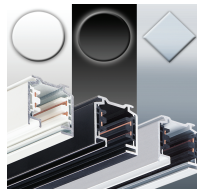
When fully supported, DataTrack can hold up to 22 pounds per foot. There are a variety of adapters, feed locations, end caps and hanging apparatus options for DataTrack. Plan your system prior to installation to save both time and energy.

- DMX/RDM built in
  - Up to 32 DMX devices per data run
  - Up to 20 RDM devices per data run
- Two circuit track with separate neutrals
- Two-year warranty

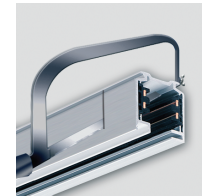
Knock outs are provided for easy surface mounting.



Available in black, white and silver

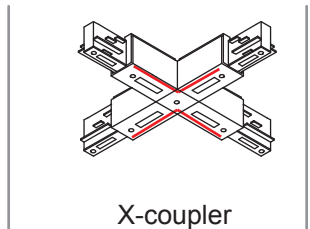
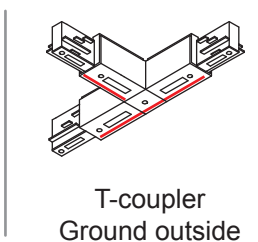
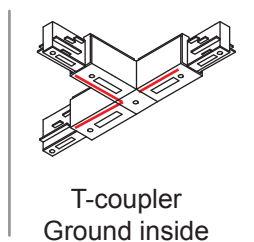
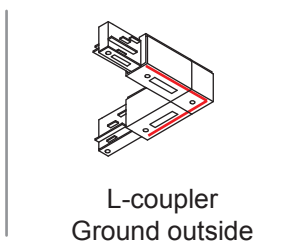
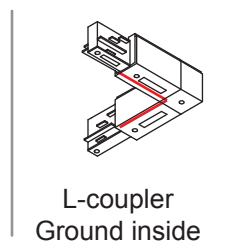


Available in four, eight and twelve foot lengths that can be cut to length in the field as needed.



For more information on DMX go to: <http://www.etconnect.com/Support/Articles/DMX-512-Info.aspx>

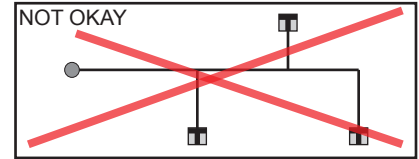
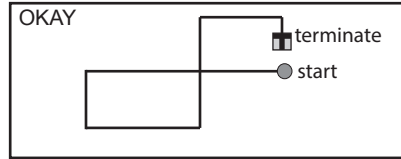
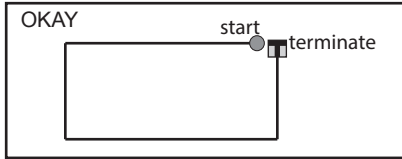
### AVAILABLE COUPLERS



The DataTrack Product Guide is available for download at [www.etconnect.com](http://www.etconnect.com) and contains additional information on ordering DataTrack system components.

# SYSTEM EXAMPLES

There are a variety of configurations that can be assembled using the available DataTrack couplers. Before installing your DataTrack, it is recommended that you layout the DMX cable path to ensure that no loops, stars or Y's are created within the data line.



**CAUTION:** Data transmission will become unreliable if DMX is not installed according to standard protocols .



**CAUTION:** ETC recommends laying out the data path for your track configuration BEFORE ordering all track and couplers.

Once you have all DataTrack parts in hand, ETC recommends laying them out to confirm the termination locations for each run. Things to consider during track layout:

1. Track orientation - each piece of DataTrack does have a top and a bottom.
2. Conduit entry points - each piece has limited conduit knock outs available.
3. Data wire path - plan data runs before installation. Data must run separate from power.
4. Termination locations - see *Repositioning Data Lines* on the following page for more information on wiring variations and termination tips.

The following information has been designed to illustrate some of the more common system layouts. If you have additional DMX termination questions while laying out your system please contact your local ETC dealer.

## KEY OF SYMBOLS



start



end of line termination



disconnect data connections



data

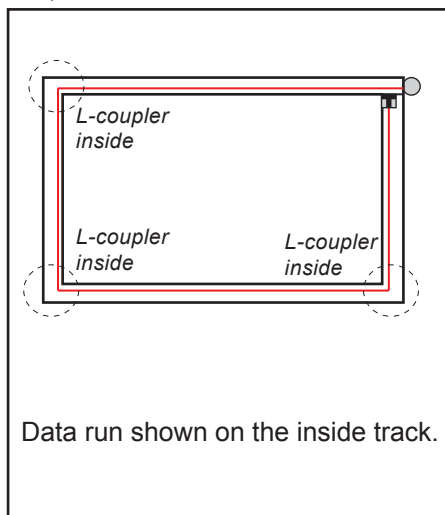


coupler location

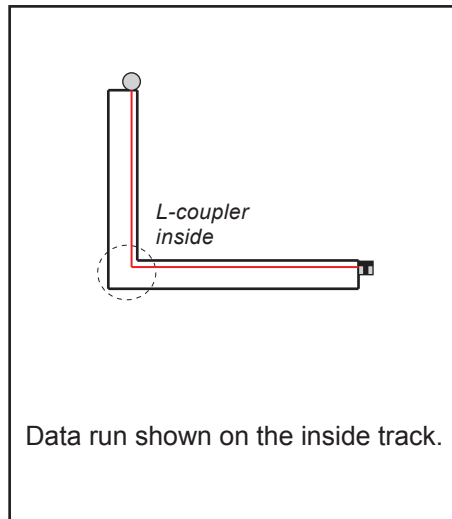


track

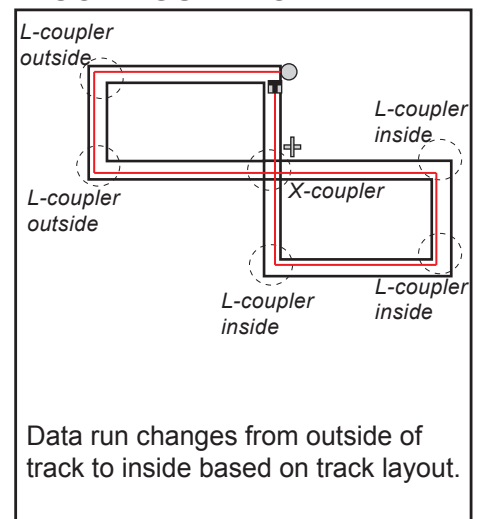
### SQUARE CONFIGURATION



### L CONFIGURATION

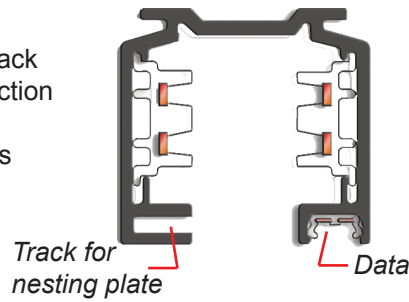


### X CONFIGURATION



## COUPLER AND TRACK CONNECTIONS:

Couplers will only nest into DataTrack in one orientation. The data connection of the coupler must mate with the data connection of the track. This is important to keep in mind when purchasing left vs. right couplers.

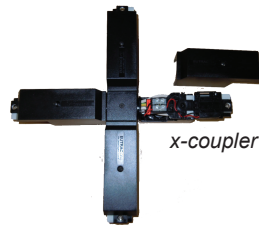


**NOTE:** If DataTrack L-, X- or T- couplers are required in your system, you may need to disconnect one or more data-line connections to avoid data loops.

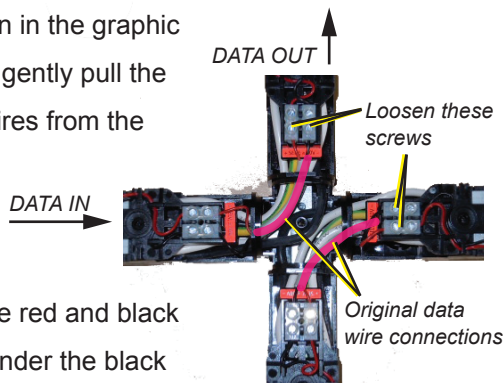
## REPOSITIONING DATA LINE CONNECTIONS:

Based on your system layout, you may need to reposition data lines. For this, you will need a small flat-blade screw driver and a small Phillips-head screw driver. This example demonstrates repositioning data lines for the x-configuration shown on the previous page.

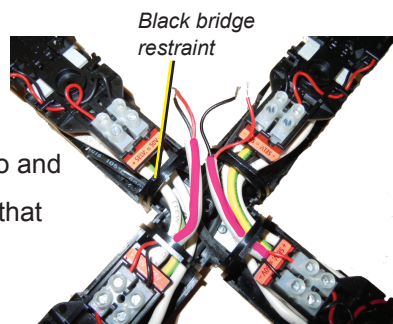
**Step 1:** Remove the covers from your DataTrack coupler using the Phillips-head screw driver.



**Step 2:** Using the flat-blade screwdriver, loosen the two screws as shown in the graphic to the right, and gently pull the red and black wires from the connector.



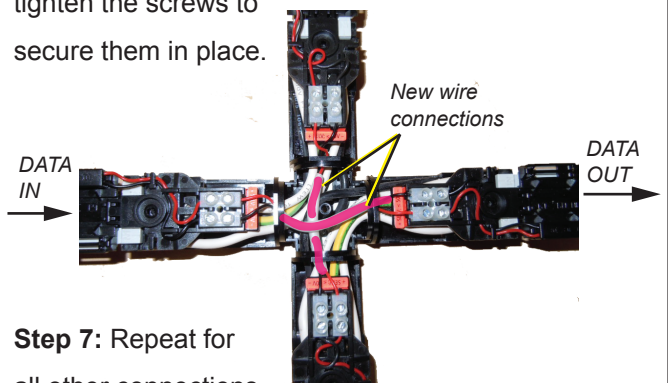
**Step 3:** Work the red and black wires out from under the black bridge restraint taking care not to remove the clear shielding.



**Step 4:** Repeat steps two and three for all connections that need to be modified.

**Step 5:** Feed the wires under the black bridge restraints nearest their new location.

**Step 6:** Insert the red and black wires into their new locations and tighten the screws to secure them in place.



**Step 7:** Repeat for all other connections.

**Step 8:** Gently tug all wires that have been reattached to ensure they are properly connected.

**Step 9:** Replace all covers and tighten their screws so they are properly secured.

# SAFETY WARNINGS



**CAUTION:** For indoor use only. Do not use in wet or damp locations.



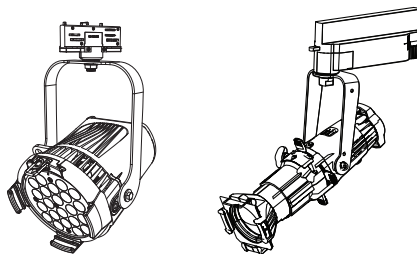
**WARNING:** Mains voltage must be switched off before installation or maintenance of track or track components.



**CAUTION:** Unauthorized modification of DataTrack or DataTrack components may void ETC warranty.



**CAUTION:** Material used for ceiling mounting must conform to building regulations.



For more information on ETC products that can be used in conjunction with DataTrack, go to:

[www.etconnect.com](http://www.etconnect.com)



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7066M2200 ■ Rev B ■ Released 2016-04