

DMX CABLING TIPS

by

COLORVERSE[®]
LED STAGE LIGHTING



Intelligent Lighting. Simplified.

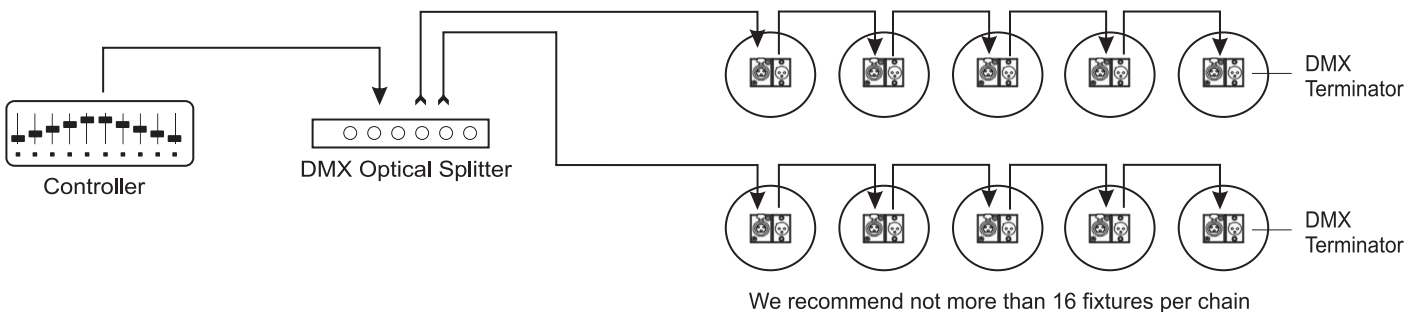
DMX CABLING TIPS

Do not use XLR audio microphone cables for your lighting fixtures. While microphone cables use the same type of connector, they are not compatible. Microphone cables are designed to work with analogue audio signals, while DMX cables are specifically designed for digital data transfer.

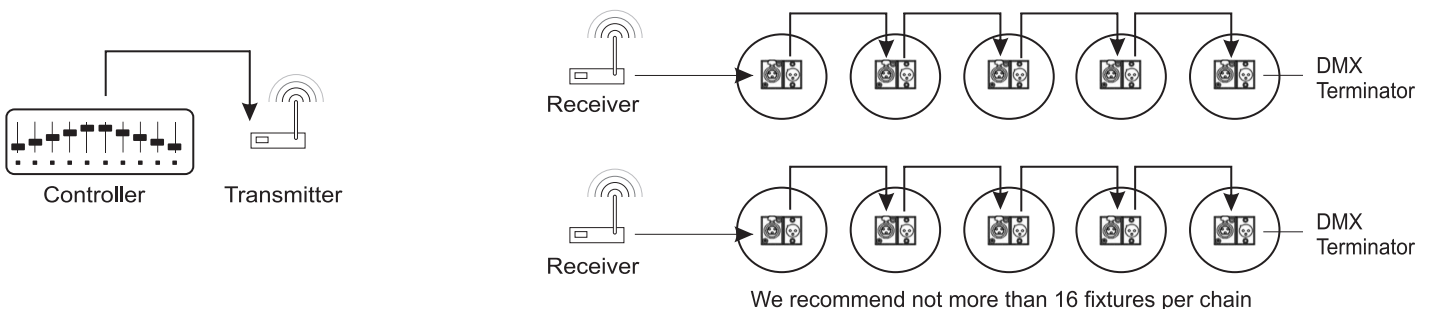
When troubleshooting DMX lighting, one of the most common problems will be with cabling. Below are a few tips that will help ensure clean, error-free data flow throughout your DMX network.

- **Always use a high quality, professional grade DMX cable***
- **Always use the shortest cable possible for each light fixture within the chain**
- **Do not allow excessive tension on cable or connectors**
- **When using wire ties to secure cable, do not over tighten and pinch the cable**
- **Keep cable away from electromagnetic sources such as power cables, motors, etc.**
- **Do not allow kinks or excessive twisting to occur in the cable**
- **Do not split a DMX chain with a “Y-Splitter” use an optical isolated DMX splitter only**
- **Do not connect more than 16 fixtures within a single chain, use an *optical isolated DMX splitter and create additional chains (to prevent signal degradation)**
- **Always use a *DMX Terminator on the last fixture in a chain**
- **NEVER use audio microphone cables for DMX lighting**

EXAMPLE: Typical DMX network with optifcal splitter



EXAMPLE: Typical DMX network using a wireless system



We hope this manual has helped you gain a better understanding of DMX lighting. For more helpful documents and videos please visit the support page on www.Colorverse.com/support

Safety First! Always use some type of secondary safety device when mounting lighting fixtures overhead or in any location that could cause injury in the event of a mounting failure.



Example: Safety Cable