

**Recommended DMX-512 Cable Types**

**CAT5E**

- White/Brown = DMX Ground (Black)
- Orange = DMX Data - (Brown)
- White/Orange = DMX Data + (Red)
- Others = Unused

**Belden 9842**

- Drain Wire = DMX Ground (Black)
- Blue/White = DMX Data - (Brown)
- White/Blue = DMX Data + (Red)
- Orange/White = Unused
- White/Orange = Unused

Other similar 100-120 ohm twisted-pair RS-485 compatible computer communication cable may be used.

**DMX Input Note:**

SceneStation uses a bi-directional DMX Port for both DMX Input and Output. If no Input DMX signal is detected, SceneStation will output a DMX signal. If an Input signal is detected (from another console or controller), SceneStation will automatically go into "passive" mode, which allows the upstream controller to be in full control of the DMX fixtures. SceneStation also uses this mode to record DMX scenes from the external source.

Class 2 Power Supply  
12-24V AC or DC  
6 watts minimum

18-22 AWG  
2-Conductor

Electrical Box

Power Input  
(Non-Polarized)

**SceneStation**  
SS-105 (Stand-Alone),  
SS-205 (Wireless)

DMX-512 Port

DMX Ground (Black)  
DMX Data - (Brown)  
DMX Data + (Red)

Optional Remote Station

Power Supply

DMX Output  
(optional)

One or more remote station may connect to a master station via wireless link (available on SS-2xx models only).

Optional input from DMX console or controller.

Optional DMX Input

DMX Output

Connect to First DMX Fixture, Dimmer or Power Supply. DMX signals then daisy-chain through each unit.

\* See table for recommended DMX cable types.