PowerLine
Installation Guide

PowerLine enables your FrontRow product to be powered from any existing outlet in the classroom, saving time and money on electrical installation, and allowing you to place your audio system where you want it, instead of just a few feet away from an outlet.

Important notes

- The PowerLine 50ft/15m Cat5e cable is plenum rated so you can install it in plenum spaces while meeting code requirements.

- Please note, PowerLine is not PoE. There is no network data being transmitted.

- You may shorten the included Cat5e cable to any desired length, or use your own Cat5e or better cable up to 100ft/30m.

- The PowerLine power supply provides up to 90W of power at 48V.

- Although plugging the PowerLine Cat5e cable into a network port should not harm standard networking equipment, many types of devices use RJ45 connectors. Ensure you only plug PowerLine into a PowerLine port on a FrontRow device. Boxlight is not responsible for damage caused to any equipment as a result of improper cabling.

What's included:

PowerLine Caddy and Cover

AC to DC Power Supply
(110V-220V AC input/ 48VDC output)

AC Cable

US/CA - Type B plug (outlet side) to C5 (power supply side)

AUS – Type I plug (outlet side) to C5 (power supply side)

Duplex Outlet Cover
(Available 2024)

50ft/15m Plenum Rated Cat5e Cable

Installation

1 Choose an appropriate outlet for your audio system. Preferably this should be one that is not used for other devices, so that you may cover the outlet with a duplex cover, preventing anyone from tampering with it. Choose one that is out of the way but provides a clean and navigable route for the Cat5e cable to reach the audio system.

2 Thread the AC cable through the caddy opening in the back, and position the caddy against the wall near the outlet. You may wish to plug in the AC cable and attach the power supply to make sure it will reach the outlet when fully connected (simulate the final assembly). Mark the holes in the back of the caddy with a pencil.

3 If running the Cat5e cable behind the wall (in conduit or otherwise), create your opening just above where the caddy will go. Install the top cover on the caddy and mark your lines to make sure it will completely cover your opening in the wall with the finished installation.

4 Secure the caddy to the wall (with AC cable inserted) with appropriate hardware (not included).

5 Connect the AC cable to the power supply and insert the power supply into the caddy.

6 Connect the Cat5e cable to the power supply and route to the FrontRow audio system, through raceway or behind the wall as desired. Follow local codes and guidelines.

7 Cover the top of the PowerLine with the caddy top cover if desired. (For example, when routing the cable behind the wall.)

8 Plug in the AC cable into the outlet and you're ready to test your audio system!

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