

RIVO MULTITRADE OPTICAL SYSTEMS

Power Connection Method for Display Cabinet



Overview

The output (DC voltage end) of the power adapter is connected to the power input connector of the LED display.

Key Takeaways

To connect power to an LED display cabinet, identify the POWER IN and POWER OUT ports, connect AC power cables with correct polarity, and ensure all cabinets are securely linked before powering on.

Step-by-Step Power Connection

1. Inspect the Cabinet and Ports Locate the POWER IN and POWER OUT ports on the back of the LED cabinet. Some cabinets may have labels to indicate input and output connections, which are essential for linking multiple cabinets in series . 2. Prepare the AC Power Cable Use a suitable AC power cable, typically a 3-core 2.5 mm² cable, rated for the cabinet's voltage (110V or 220V). Ensure the cable is in good condition and free from damage . 3. Connect the Power Cable

- Insert the AC power cable into the POWER IN port of the first cabinet.
- If connecting multiple cabinets, use the POWER OUT port of the first cabinet to feed the next cabinet in the chain. Repeat this process for all cabinets .



- Ensure the red cable connects to the positive terminal and the black cable to the negative terminal to maintain correct polarity . 4. Secure and Organize Cables Route the cables neatly to avoid tangling or stress on connectors. Use cable ties or clips to secure them along the frame or structure. This prevents accidental disconnections and reduces wear . 5. Verify Connections Before powering on, double-check that all cabinets are properly connected, with no loose cables or gaps between units. Inspect for correct polarity and ensure that the power distribution is consistent across all cabinets . 6. Power-Up Sequence Once all connections are verified, switch on the main power supply. Start with the first cabinet and gradually power up the remaining cabinets. Monitor for any flickering, unusual noises, or error indicators, which may suggest a loose connection or incorrect wiring . 7. Safety Precautions
- Always turn off the main power before making or adjusting connections.
- Avoid reversing polarity, as this can damage LED modules and control cards.
- Ensure the environment is dry and free from moisture, especially for outdoor installations . Following these steps ensures a stable and safe power connection for your display cabinets, enabling proper operation and longevity of the LED display system.

Article Content

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LED Display Installation Manual

Connect the power cable after all cables are completed being connected. If power cable is connected before connecting with an

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