DHUFKN R6 Remote, PB-40-12, PB-40-24, PB-75-12, PB-75-24

DHUFKN LED Driver and R6 Remote Control User Manual

Models: R6 Remote, PB-40-12, PB-40-24, PB-75-12, PB-75-24

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DHUFKN LED Dimmable Constant Voltage Driver and R6 Remote Control. Please read this manual thoroughly before use to ensure proper functionality and safety.

The DHUFKN LED drivers are designed for dimmable constant voltage LED lighting systems, offering stable power output and compatibility with the 2.4G R6 remote control for convenient dimming and control.

2. SAFETY INFORMATION

- Always disconnect power before installation or maintenance.

- Installation should be performed by a qualified electrician in accordance with local electrical codes.

- Ensure the input voltage of the driver matches your mains supply (AC 100V-240V).

- Do not exceed the maximum output wattage of the LED driver.

- Keep the device away from water and high humidity environments.

- Do not attempt to repair or modify the device. Contact customer support for assistance.

3. PRODUCT COMPONENTS

The product package typically includes:

- DHUFKN LED Dimmable Constant Voltage Driver (Model: PB-40-12, PB-40-24, PB-75-12, or PB-75-24)

- DHUFKN R6 Remote Control (if purchased as a set or separately)

Figure 1: DHUFKN R6 Remote Control. This image displays the DHUFKN R6 remote control, featuring a power button, dimming controls (represented by a circular gradient), and four zone selection buttons labeled 1 through 4. There are also arrow buttons for fine adjustment.

4. SETUP AND INSTALLATION

4.1 LED Driver Installation

1. Ensure the main power supply is turned off before beginning installation.

2. Connect the AC input wires (100V-240VAC) to the designated input terminals on the LED driver. Observe correct polarity (Live, Neutral).

3. Connect the DC output wires (12V or 24V, depending on model) from the LED driver to your LED lighting fixture. Ensure correct polarity (+ and -).

4. Secure the LED driver in a well-ventilated area, away from direct heat sources or moisture.

5. Once all connections are secure, restore power to the circuit.

4.2 Remote Control Pairing

The R6 remote control needs to be paired with the LED driver to function. There are two methods for pairing:

Method 1: Using the Match Key on the Driver

1. **To Match:** Short press the 'Match' button on the LED driver. Immediately after, press the 'On/Off' button (for single zone control) or a specific zone button (for multi-zone control) on the R6 remote control. The connected LED lights will flash to confirm successful pairing.

2. **To Delete All Matches:** Press and hold the 'Match' button on the LED driver for 5 seconds. The connected LED lights will flash 5 times, indicating that all previously matched remote controls have been deleted.

Method 2: Using Power Cycle

1. **To Match:** Turn off the power supply to the LED driver. Turn the power back on, and immediately press the 'On/Off' button (for single zone control) or a specific zone button (for multi-zone control) on the R6 remote control 3 times. The connected LED lights will flash 3 times to confirm successful pairing.

2. **To Delete All Matches:** Turn off the power supply to the LED driver. Turn the power back on, and immediately press the 'On/Off' button (for single zone control) or a specific zone button (for multi-zone control) on the R6 remote control 5 times. The connected LED lights will flash 5 times, indicating that all previously matched remote controls have been deleted.

5. OPERATING INSTRUCTIONS

Once the R6 remote control is paired with the LED driver, you can control your LED lighting system:

- **Power On/Off:** Press the central power button to turn the lights on or off.
- **Dimming:** Use the circular gradient control to adjust the brightness level. The left and right arrow buttons can be used for fine adjustments.
- **Zone Selection:** If you have multiple drivers or zones, press buttons 1, 2, 3, or 4 to select the desired lighting zone to control.

6. SPECIFICATIONS

Feature	Description
Brand	DHUFKN
Model (Drivers)	PB-40-12, PB-40-24, PB-75-12, PB-75-24
Model (Remote)	R6 Remote
Input Voltage	AC 100V-240V
Output Voltage	DC 12V / DC 24V (depending on model)
Output Power	40W (PB-40 series), 75W (PB-75 series)
Control Type	2.4G Wireless Remote Control (PWM digital dimming)
Certifications	CE, EMC, LVD, ROHS
Material	Plastic
Weight (R6 Remote)	Approximately 1.76 ounces (0.05 kg)

7. TROUBLESHOOTING

- **Lights not responding to remote:**
  - Check if the remote control is properly paired with the LED driver (refer to Section 4.2).
  - Ensure the remote control has working batteries.
  - Verify that the LED driver is receiving power.

- **Lights flickering or unstable dimming:**
  - Confirm that the total wattage of your LED lights does not exceed the driver's maximum output.
  - Check all wiring connections for looseness or damage.
  - Ensure the LED lights are compatible with dimmable constant voltage drivers.

- **No power to LED lights:**
  - Check the main power supply and circuit breaker.
  - Verify that the AC input to the driver is correctly connected and receiving power.
  - Inspect the DC output connections from the driver to the LED lights.

8. MAINTENANCE

- Clean the remote control and driver surfaces with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the driver's ventilation is not obstructed to prevent overheating.
- Periodically check wiring connections for security, especially after initial installation.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact DHUFKN customer service directly. Keep your purchase receipt as proof of purchase.