



RGB RF Remote Controller, 16 Colors, 1500W, 100-130V/200-240V AC LED Dimmer

- 16-color selection with dimming and four lighting effects
- Three channels rated 3A each for a combined 1500W load capacity
- Dual AC input range: 100-130V and 200-240V
- RF remote operating range of 10-20 meters
- Supports strip runs up to 50m at 110V or 100m at 220V
- 10mm pin input connection type

OVERVIEW

The M-HRN-Z-RGB-RF is a 10mm pin RF remote controller designed for RGB LED strip lighting systems. It provides wireless on/off switching, 16-color selection, dimming control, and four lighting effects from a handheld RF remote. The controller is suited for commercial and residential LED strip installations operating on 100-130V or 200-240V AC systems.

The unit supports a maximum load of 1500W across three channels rated at 3A each, and is compatible with 100-130V and 200-240V AC input. Wireless range is rated at up to 10-20 meters for the remote transmitter, with strip run support of 50 meters at 110V and 100 meters at 220V.

SPECIFICATIONS

ELECTRICAL

|                       |           |
|-----------------------|-----------|
| Operating Voltage     | 100-240 V |
| Wattage               | 1,500 W   |
| Current Draw          | 3 A       |
| Input Connection Type | 10mm pin  |

APPLICATIONS

- Commercial RGB LED strip lighting installations
- Residential accent and cove lighting control
- Retail display and signage color control
- Architectural lighting requiring remote dimming
- Multi-zone strip lighting requiring long strip runs

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| slug                  | value     | source | confidence |
|-----------------------|-----------|--------|------------|
| operating_voltage     | 100-240 V | pdf    | high       |
| wattage               | 1,500 W   | pdf    | high       |
| current_draw          | 3 A       | pdf    | high       |
| input_connection_type | 10mm pin  | pdf    | high       |

Specifications subject to change without notice.