

RF SINGLE COLOR LED DIMMER REMOTE CONTROLLER

DESCRIPTION:

The RF Single Color LED Dimmer Remote Controller is a compact wireless control solution designed for single color LED lighting systems. It provides smooth ON/OFF switching and precise dimming control with 256-level logarithmic dimming for flicker-free performance and enhanced visual comfort. The controller supports one lighting zone and is compatible with universal series RF receivers. Featuring memory function and wireless RF technology, the controller delivers reliable operation with a control distance of up to 65 ft. The magnetic back design allows convenient wall mounting or attachment to metal surfaces.



FEATURES:

- Wireless RF single color LED controller
- Controls 1 lighting zone
- Smooth 0.1%–100% dimming range
- 256-level logarithmic dimming for flicker-free operation
- Soft ON/OFF switching without visible flashing
- Memory function retains previous settings
- Compatible with universal series RF receivers
- One receiver can pair with up to 8 remote controls
- Reliable RF control range up to 65 ft
- Magnetic back for easy mounting on metal surfaces
- Compact portable design
- IP20 rated for indoor applications
- Powered by CR2025 battery

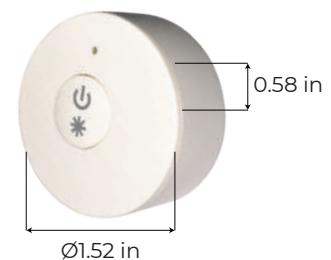
APPLICATIONS:

- Residential LED lighting control
- Under cabinet lighting
- Cove lighting
- Accent lighting
- Display and showcase lighting
- Hospitality lighting
- Retail lighting environments
- Indoor architectural lighting systems

TECHNICAL SPECIFICATIONS:

Product Type	RF Single Color LED Dimmer Remote Controller
Lighting Zones	Single Zone
Dimming Range	0.1%–100%
Dimming Levels	256 Levels
RF Signal Frequency	434 MHz / 869.5 MHz / 916.5 MHz
Control Distance	Up to 65 ft
Power Supply	3V DC (1 × CR2025 Lithium Coin Battery)
Ingress Protection	IP20 (Indoor Dry Locations Only)
Operating Temperature	32°F to 104°F
Operating Humidity	8–80% RH (Non-Condensing)
Dimensions	Ø1.52 in × 0.58 in
Mounting	Magnetic Back / Wall Mount
Receiver Compatibility	Universal Series RF Receivers
Pairing Capacity	Up to 8 Remotes per Compatible Receiver

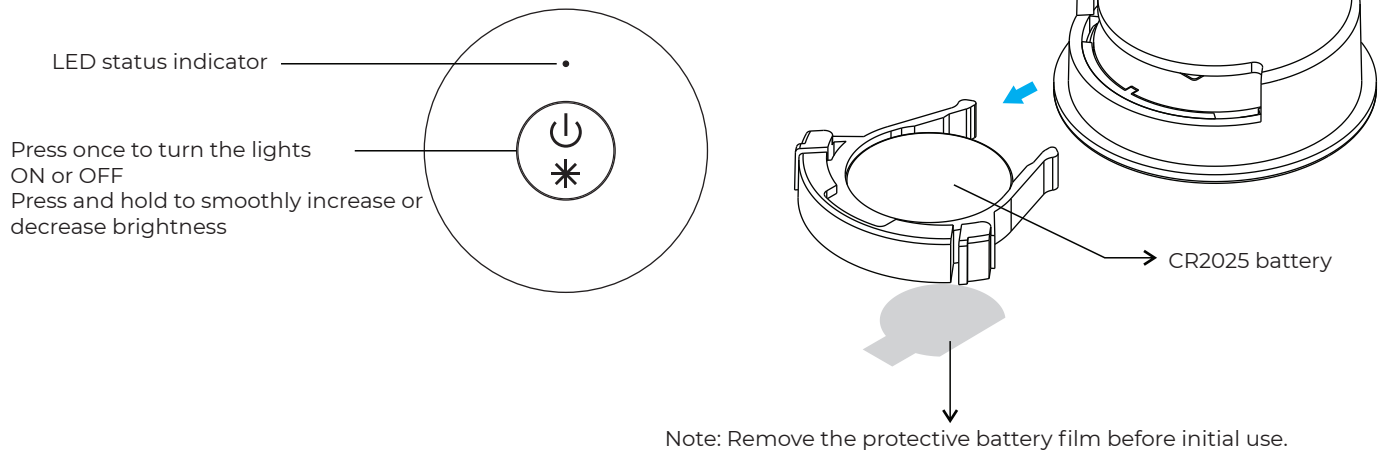
DIMENSIONS:



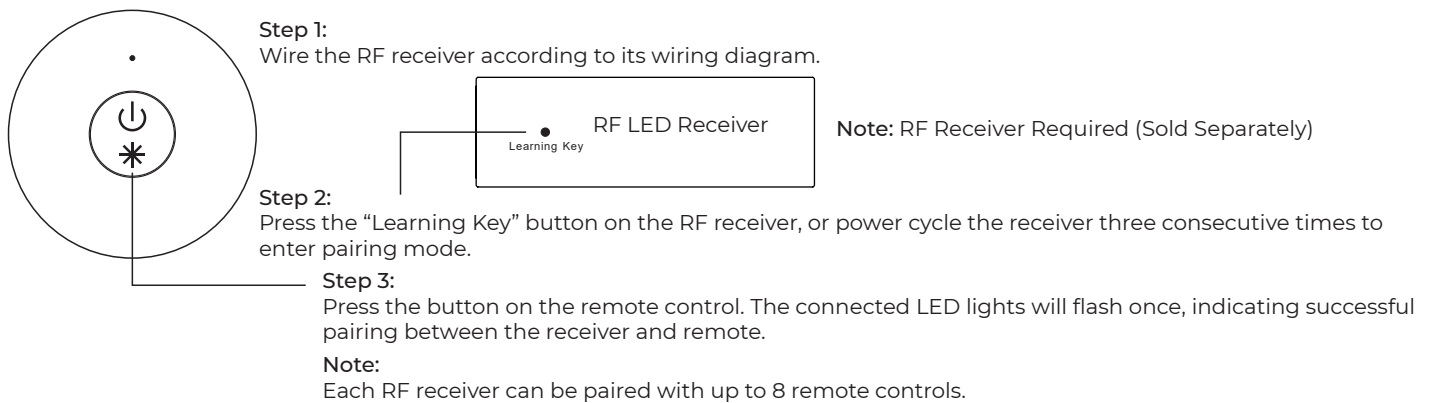
SAFETY & WARNINGS:

- This device uses a lithium button battery. Please handle, store, and dispose of the battery according to local regulations.
- Keep the device away from moisture and wet environments.

FUNCTION OVERVIEW:

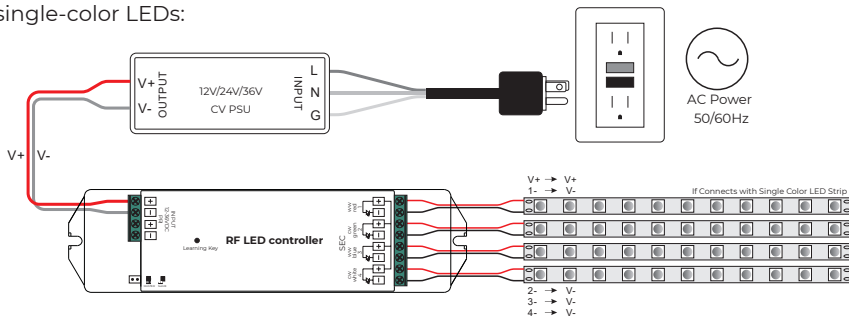


PAIRING WITH RF RECEIVER:



COMPATIBLE WIRING EXAMPLE WITH UNIVERSAL RF RECEIVER:

For single-color LEDs:



WALL INSTALLATION INSTRUCTIONS:

Step 1:
Secure the magnet into the slot on the back cover.

Step 2:
Mount the back cover onto the wall using screws.

Step 3:
Attach the remote control to the mounted back cover using the magnetic connection.

