

Juno™ Smartphone LED Dimmer

Bluetooth Controlled with additional RF Remotes

FF-JUN-APP-SC-COMBO

Juno™ Series

- Auto Circuit Protection
- Waterproof
- Support iOS & Android
- Ultra-Slim Design
- Bluetooth Connection
- High Power Output
- RF Remote Included
- 6-24V Voltage Range

User's Manual

channel and the black input wire to DC negative. Be sure the power supply voltage is the same as the LED load voltage and the power is large enough for the wattage load.

2. Connecting the Receiver to your Lights

This bluetooth controller is only compatible with constant voltage LED products. The red output wire must be connected to the positive (+) channel on the strip light and the black output wire to the negative (-) channel on the LED strip. Securely connect all the wires as instructed and double check that the polarities are matching before turning on the power.

3. Status Indicator Light

The full color status indicator displays all working states of the controller indicating different events as follows:

Blue fast flash: Starting up.

Blue/yellow fast flash: Waiting for bluetooth pairing.

Blue with short yellow flash: Bluetooth connected.

Steady blue: Bluetooth disconnected.

White flash 3 times: New RF remote paired.

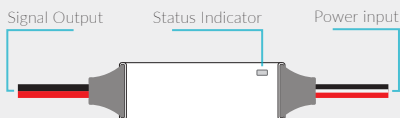
Short single white flash: New command received.

Red flash: Overload short circuit.

Yellow flash: Overheat short circuit.

Introduction

The Juno™ Series Smartphone LED controller is to be used for single color output strip lights running on 6-24VDC. It allows you to control your LED strip lights from your smartphone via a Bluetooth connection. Simply download and connect the 'ColorEasy1 Plus' app on iOS or Android smartphones to control your lights. With a PWM frequency of 8000 Hz, it is flicker free for video and photography uses. The included RF remote control can be used for a simple on/off function and choosing preset brightness options set in the smartphone app.



Installation

1. DC Power Input

This bluetooth LED controller will run on 6-24VDC. The red input power wire should be connected to the power supply's DC positive

Operation

1. Bluetooth Pairing

• The Juno™ Single Color LED Controller connects to smartphones via bluetooth. Scan the QR code on this sheet to find the app in the store and download it to your phone. You must pair your smartphone to the app to control your lights.

• Once the receiver is powered on, the controller will enter pairing mode for 90 seconds and the indicator will flash blue and yellow. During this period, you can search for bluetooth devices on the smartphone bluetooth setting page. Connect to 'LED-XXX'; the X is the serial number of the controller. The unpaired smartphone can only discover a controller in this 90-second period. To enter the pairing mode again, the controller must be turned off and turned back on again.

2. Bluetooth Auto Reconnecting

The default setting of the receiver enables an auto-reconnecting feature. The controller will automatically connect to the latest paired smartphone when in range. However, if auto-reconnect is not desired, it can be disabled in the app's setup page when the controller is connected to the smartphone. When the auto-reconnecting

feature is set to off, the user can still manually connect to the controller at any time by tapping the controller bluetooth device name on the smartphone's bluetooth setting page when the controller is powered on.

3. Using the Included External RF Remote

The hand held remote (FF-JUN-HAND) and the wall switch type (FF-JUN-WALL) RF wireless remote control are included with the Juno™ Series LED controllers. These RF remote controls can be used to turn the LED controller on/off and switch between the saved brightness settings within the app. **The RF remote controls need to be paired to the main unit before use with the following steps:**

1. Ensure the remote control function is enabled on the app setting page while the LED controller is paired to the smartphone.
2. Power off the LED controller for more than 5 seconds and power on again.
3. Within 5 seconds of LED controller powering on, press the on/off key and downward key together on the remote control.
4. The indicator on the LED controller will flash white 3 times to show the remote control is recognized. A maximum of five remote controls can be paired to one LED controller and can be used at the same time.

depth of 100ft (30 meters). When installing under the water, make sure the cable connections are waterproof.

Note: The bluetooth connection and RF remote control sensitivity is decreased when the LED controller is installed in a wet environment or under water.

Specifications

Model	FF-JUN-APP-SC-COMBO
PWM Grade	256 levels
Connection Method	Bluetooth V2.1/4.0 Class 2
Smartphone OS	iOS or Android
Name of App	ColorEasy1 Plus
PWM frequency	8000 Hz (8KHz)
RF Remote	Yes
RF Remote Frequency	433.92MHz
Auto Circuit Protection	Overload/Overheat/Short Circuit/Overcurrent
Working Voltage	6-24VDC
Bluetooth Control Distance	>10m in open area

The preset brightness settings can be selected by pressing the up/down key on the remote control. These preset brightness settings can be customized within the smartphone app.

Other Features

Automatic Circuit Breakers

These controllers have full protection against output short circuits, overloads, and overheating. The indicator flashes red due to overload or electrical short circuit, and flashes yellow if overheating. The controller will automatically recover when the fault is corrected. Ensure the LED loads are within the rated voltage range, not shorted and protected against overheating.

Voltage Range

This controller can work on 6-24VDC. Be sure the input signal, power supply and LED load are all using the same voltage. The controller cannot work with different voltage input and output. Also, the wrong voltage may damage the LEDs. e.g. Do not use 12V LEDs with a 24V power supply.

Environmental Protection

This waterproof version is designed with the IP68 standard and can be used underwater up to a

Rated Output Current	Current 15A
IP Grade	IP68

QR Links to Download App



Flexfire LEDs, Inc.
www.FlexfireLEDs.com

1-844-FLEXFIRE

Warranty Information

Limited Warranty:

This product has a 5 year limited warranty from the date of shipment. This warranty only includes the main product outlined in this specification sheet and does not include the additional accessories that are used as a reference. Complete warranty details for fixtures and additional accessories are available at <https://www.flexfireleds.com/warranties/> within the Policies section. For warranty related questions please contact product support team at (support@flexfireleds.com).

Consumer's Acknowledgment

Flexfire LEDs, Inc. stands behind its products when they are used properly and according to our specifications. When you purchase our products, you are agreeing to the terms and conditions outlined in our warranty section. We try our best to make recommendations, but the burden of proper installation, design, and maintenance relies on the purchaser.

This limited warranty does not include product failures that are the result of:

Not using a voltage regulated power supply to connect the LED product or controls; Connecting LED products to the wrong output voltage; Improper connection of power supplies, LED products, or controls; Connecting LED products or controls directly to any AC power source if they are stated for DC only input; Connecting power supplies backwards to an AC power source; Products used in an inappropriate location or in environmental conditions (temperature, humidity, moisture, etc.) outside the normal specified range; Water damage to products not specifically sold as water-proof products; Electrical power surges and spikes; Damage from hail, flooding, tornado, fire, wind, earthquake, lightning, electrical storm, or any other natural disasters or "force majeure" incidences; Damage caused by a vehicle or other accident; Damage caused when transporting the item; Damage to any products that were modified by the user, used for purposes other than as intended or directed, or connected to LED systems or components not purchased from Flexfire LEDs; Products that have been subjected to misuse, mishandling, misapplication or accident. Products used in connection with any components, devices or systems other than those explicitly approved as compatible with Company's products and listed on Company's website. Excessive wear and tear and/or physical or accidental abuse, loss, or theft. Improper repairs or warranty services performed by someone other than Flexfire LEDs will void this warranty.