RGBW Bluetooth™ LED Controller

Important: Read all instructions prior to installation.

A. Installation Instructions

1. Mount the controller in a central location away from heat and metal for best connectivity, using the tabs on the side.
2. **OUTPUT**: Connect the Black (V+) wire from the controller to the black (V+) from the light. Connect remaining negative wires from light to controller output. Connect Red to R, Green to G, Blue to B, and if using RGBW lights then connect the White to W
3. **INPUT**: Connect positive (RED+) wire to the positive output on a 12V~24V power supply through a fuse to a switch (see diagram below). Connect negative (Black-) wire to negative battery terminal.

   NOTE: If using RGB lights, Instead of RGBW, the white wire (-) will not be used. Simply cut it off.

   NOTE: Marine grade heat shrink butt connectors, or solder with adhesive heat shrink power source are recommended.

   NOTE: The usage of a properly rated switch is highly recommended as opposed to using the App to turn on/off the lights.

   NOTE: Occasionally, some other RGB light manufacturers us a Yellow wire for a Green (G) and a White wire for a Blue (B).

C. How to Use the Zones

1. In the App, Go to "BT Devices" tab, connect to device(s).
2. Go to "Zone Selector". There is a default 'Home' zone.
3. To edit zone names click the pen icon, a popup shows that can enter text.
4. The select/unselect feature sets what zones are targeted when commands are sent. Any number of zones can be selected. **If no zones are selected, devices will not receive commands.**
5. To add devices to a zone, click 'Devices' . Click Add to assign them to the current zone. Remove button to remove device from zone, and allow it to be assigned to a different zone. Rename the zone to something friendlier if desired.
6. Select/unselect is used to keep the device assigned to the zone, but not have it receive commands with the other devices in the zone.
7. Devices that are unassigned always receive commands regardless of what zone is selected. Until they are added and removed from a zone.

   NOTE: *Multiple controllers are required for multiple zones*
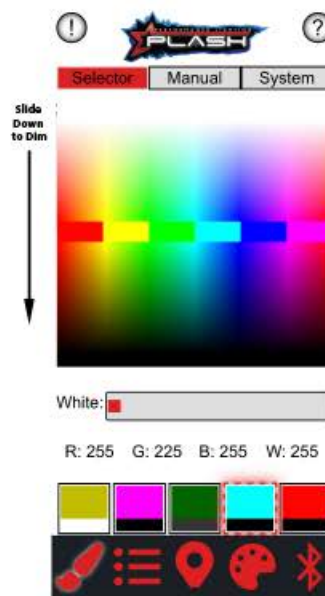
B. Bluetooth™ Control Box

1. Download the Plashlights APP in the APP store or Scan the QR code to download App. (IOS 6 or Android 4.3 and above)

Bluetooth	Control Box
Input Voltage	DC 12V or 24V
Output power	Max: 200 W
Waterproof	IP67
Material	Polycarbonate
Size	126*82*28(mm)
Bluetooth Transmit distance	30 FT

2. Pair Bluetooth™: Power on the controller, within 2 minutes open the PlashLights APP on your device , the APP will automatically connect to the controller. Go to zone selector, create zone, name is optional, add device to zone, select zone, lights can be controlled now.

D. USING THE APP

Selector | Manual | System

Slide Down to Dim

White:

R: 255   G: 225   B: 255   W: 255

FUNCTIONS:

COLOR SELECTOR

FUNCTIONS

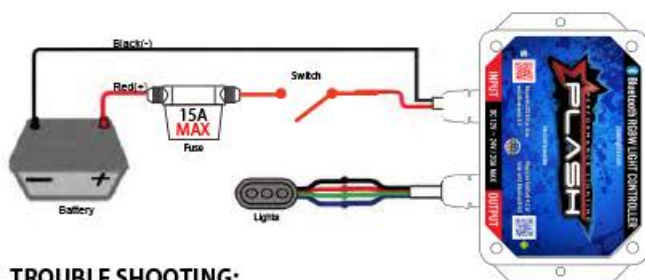ZONE SELECTOR

CUSTOM FUNCTIONS

BT DEVICES

Other Functions:
- RGBW (white) slider
- Dimming 1~100%
- Color cross fade
- Single color gradual change
- Strobe
- Speed selector
- On/Off

Wiring Diagram

Note: Connecting too many lights (over-amperage) may cause permanent damage to the controller!

Control Box (Max output 200W)

TROUBLE SHOOTING:

1. Verify the device is powered. Verify the phones Bluetooth is turned on. **Please do not connect the Bluetooth controller through your Bluetooth setting. Use the APP only.**
2. If it does not automatically connect, exit APP from the background, power off the controller for 10 seconds, reopen the APP after the controller has been powered on.
3. You may need to turn on your devices location services.
4. Verify power source is charged/correct voltage.
5. Keep your phone and the controller no more than 30 FT apart for initial setup.
6. Verify that no other devices is within range are connected.
7. You may need to clear your caches.
8. Ensure controller is mounted in a cool area.

LED LIGHTS/ CONNECTION INFO:

1. Scroll Blue for BLE Connection
2. Scroll RED for BLE Disconnection
3. Blink RED for OVER CURRENT
4. RED-> GREEN-> BLUE-> WHITE scroll (in order) on power up.