

# USER'S MANUAL

## RF WIRELESS REMOTE

### RGB LED CONTROLLER



**BOSS**<sup>®</sup>  
**AUDIO SYSTEMS**

**POWERSPORTS**



# RF Wireless Remote

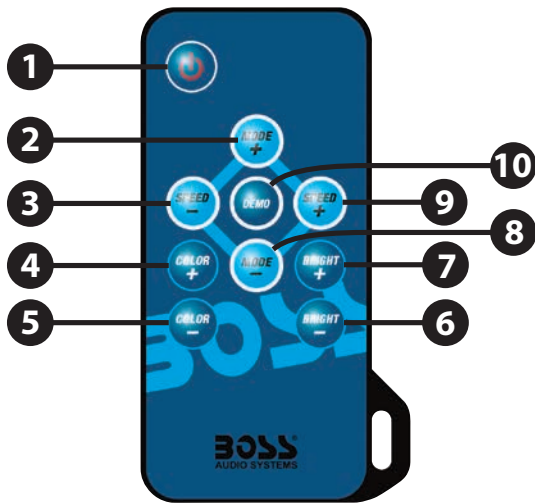
Advanced

## **RGB LED Controller**

### *Instructions*

- 22 Dynamic Modes
- 20 Static Colors
- Very Smooth Effects
- Speed Adjustable
- Brightness Adjustable
- Card Type RF Remote
- Ultra Slim Design
- Dynamic Demo Mode
- Easy Remote Pairing
- Direct Color Select

# Functions



## **1. Turn On/Standby Mode**

Press this key to turn on unit or switch to Standby Mode.

## **2/8. Dynamic Mode Adjust**

Switch to Dynamic Mode from static color, or switch between Dynamic Modes.

## **3/9. Dynamic Speed Adjust**

Adjust Dynamic Playing Speed. Press SPEED+ to increase speed and press SPEED- to decrease. Unit will switch to Dynamic Mode, if this key is pressed during Static Color Mode.

## **4/5. Static Color Adjust**

Switch to Static Color Mode from Dynamic Mode, or press COLOR+ or COLOR- to change colors.

## **6/7. Brightness Adjust**

Adjust static color brightness. Press BRIGHT+ to increase brightness and press BRIGHT- to decrease. Unit will switch to Static Color Mode, if this key is pressed during Dynamic Mode.

## 10. Demo Mode


Pressing this key will switch to Demo Mode. In Demo Mode, it plays 12 Dynamic Modes in loop, each mode repeats 3 times.

## Installing

### 1. Power Supply

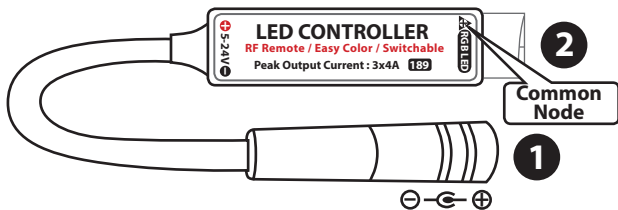
Operational voltage is 12V DC, negative ground. The DC jack's inner pole (or red cable) is positive and sleeve (or black cable) is negative. Also, please make sure the power supply voltage is same as the LED load.

### 2. LED Output

This unit supports common anode connection LED products. The mark  indicates the common connection node.

The peak output current is 4 amperes and maximum constant current is 2 amperes per channel. Please reduce load if main unit is overheating.

**CAUTION! Do not short circuit or overload the LED outputs, this may lead to permanent damage!**



## Operation

### 1. Using Remote Controller

Please pull out the battery insulation tape before using. The RF wireless remote signal can pass through barrier, so it's not necessary to aim at the main unit when operating.

For proper receiving remote signal, please do not install the main unit in closed metal parts.

## **2. Pairing New Remote**

The remote and main unit is 1 to 1 paired as default. Furthermore, main unit can be paired to 3 remote controllers and each remote controller can be paired to any main unit. Please do following steps to pair new remote controller:

- 1). Plug off the power of main unit and plug in after 5 seconds.
- 2). Press 'SPEED-' and 'SPEED+' Key together in seconds after power on.

After this operation, the main unit will recognize the new remote controller.

## **3. Free Remote Pairing Mode**

In some specific cases, the main unit may need to be paired to any remote control. Please do following steps for free remote pairing mode:

- 1). Unplug Power cable so the unit is OFF, and plug back in after 5 seconds.



2). Press 'ON/OFF' and 'MODE+' Key together 5 seconds after powering on. After this operation, the main unit will recognize any remote control. To pair the main unit back to specific remote, please repeat the 'pairing New Remote' operation.

#### **4. Switch Output Color Sequence**

The controller's default output signal sequence is Common-Green-Red-Blue. If the LED application is in different cable sequence, the direct color keys will not match the LED color. In this case, user can adjust the output signal sequence with following steps:

- 1). Unplug the power so the main unit is off for 5 seconds.
- 2). Press 'RED' and 'BLUE' color key together in 5 seconds after powering on. With this operation, the output sequence will switch between 6 possible combinations. The sequence will be stored in memory so on next operation it will be the same.

# Specifications

Dynamic mode	22 modes
Static Color	20 colors
PWM Grade	256 levels
Brightness Grade	5 levels
Speed Grade	10 levels
Demo Mode	Yes
Direct Color Select	Yes
Output Color Switchable	Yes, 6 options
Operational Voltage	12V DC, negative ground
Output Current	3x4A peak, 3x2A constant
Remote Frequency	433.92MHz
Remote Distance	> 15m at Open Area

## NOTES

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