

Important: Read all instructions prior to installation.

Wireless Waterproof Remote RGB LED Controller

RGB LED Controller, On/Off, Color and Dynamic Modes

Parts Included

- 1 - RF Controller
- 1 - Key Fob Remote
- 1 - Inline Fuse Holder
- 1 - 3A Fuse

Specifications

Model Number	RCW-RFRGB
Input Voltage	9~14.5 VDC
Output Current	3 x 1.3A Maximum
Fuse Size	3A
Operating Temperature	-4 ~149° F (-20~65° C)
IP Rating	Waterproof IP67
Static Color Dynamic Modes	2
Seven Color Dynamic Modes	2
Static Colors	18
Override Mode	1
Brightness Levels	5
Remote Battery	12V 27A x 1
Remote Range	33 Feet (10m) Maximum
Remote Frequency	315 MHz
FCC ID	2AFXS-JX-R001

Wiring

Input Wires	Polarity	Purpose
Black	Negative (-)	Ground In (-)
Red	Positive (+)	9~14.5 VDC Power In (+)
Blue*	Positive (+)	9~14.5 VDC Red Override Signal In (+)

*Blue wire activates red single color mode at full brightness while voltage is applied. Use for brake override if required. Works as brake override even when controller is in standby mode.

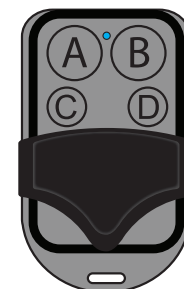
Output Connector	Polarity	Purpose
Black	Positive (+)	Common Anode (+)
Red	Negative (-)	Red Cathode (-)
Green	Negative (-)	Green Cathode (-)
Blue	Negative (-)	Blue Cathode (-)

Remote Pairing

Remote comes paired to the controller. Use the following Procedure if additional remotes are required. On power up, LEDs will be green indicating pairing mode for three seconds. During green pairing mode, press button "A" then "B" to pair a new remote.

Remote Buttons

Button	Functions
A	Cycles up through 18 single color modes and two 7 color modes. Press and hold for dimming 80%, 60%, 40%, 20% and back to 100% during single color modes.
B	Activates Flash Modes during single color modes. Switches between Flash/Flash/Long Pause and Flash/Flash/Short Pause during flash modes. Increases cycle speed during 7 color modes
C	Activates Fading Mode during single color modes. Decreases cycle speed during 7 color modes.
D	On/Off Hold for 6 seconds to return to Mode 1 (Static Red)



RCW-RFRGB

Diagram 1

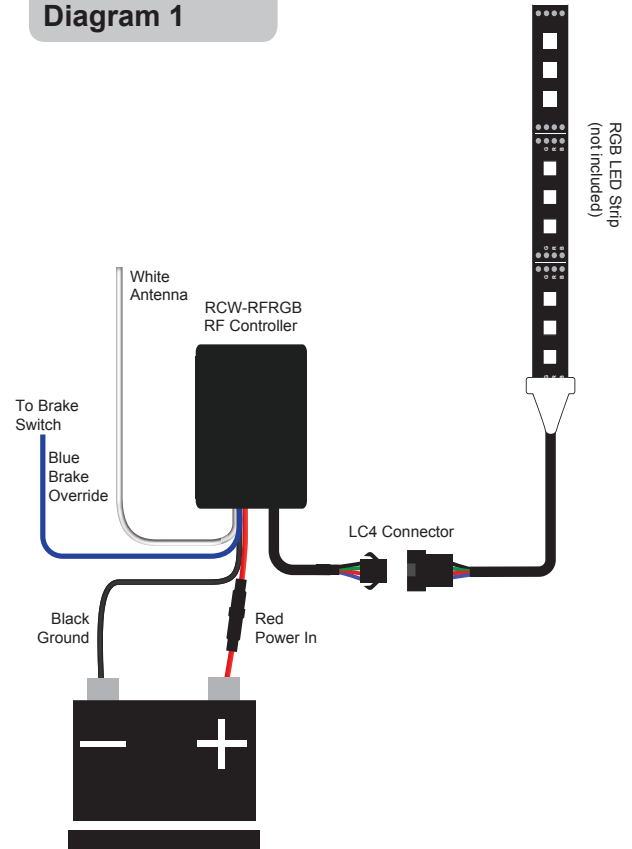
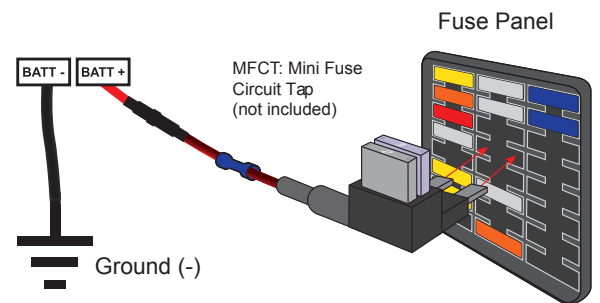


Diagram 2



Important: Read all instructions prior to installation.

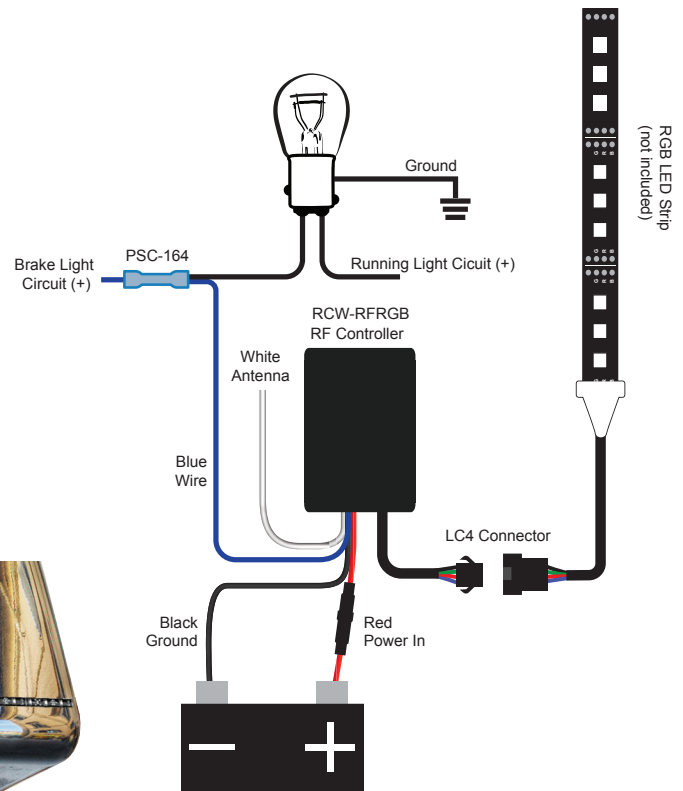
Mode Sequence & Functions

Mode	Button A	Button B	Button C	Button D
1	Red	Flash Modes	Fade Mode	On/Off
2	Blue	Flash Modes	Fade Mode	On/Off
3	Light Pink	Flash Modes	Fade Mode	On/Off
4	Green	Flash Modes	Fade Mode	On/Off
5	Gold	Flash Modes	Fade Mode	On/Off
6	Light Blue	Flash Modes	Fade Mode	On/Off
7	Orange	Flash Modes	Fade Mode	On/Off
8	Hot Pink	Flash Modes	Fade Mode	On/Off
9	Light Green	Flash Modes	Fade Mode	On/Off
10	Cool White	Flash Modes	Fade Mode	On/Off
11	Aqua	Flash Modes	Fade Mode	On/Off
12	Pale Rose	Flash Modes	Fade Mode	On/Off
13	Purple	Flash Modes	Fade Mode	On/Off
14	White	Flash Modes	Fade Mode	On/Off
15	Warm White	Flash Modes	Fade Mode	On/Off
16	Sky Blue	Flash Modes	Fade Mode	On/Off
17	Sea Green	Flash Modes	Fade Mode	On/Off
18	Lemon	Flash Modes	Fade Mode	On/Off
19	7 Color Flash	Speed Up	Speed Down	On/Off
20	7 Color Fade	Speed Up	Speed Down	On/Off

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Auxiliary Running/Brake Light Example



Tip: To use RGB LED light strips for auxiliary running lights/brake lights, set controller for red color and dim to desired brightness. Attach Blue wire from controller to the positive brake light wire on the motorcycle. After pairing mode the LED light strips will be dim red when controller is on and the LED light strips will be full brightness red when brake is applied. Controller will activate full brightness red mode anytime the controller is powered and a positive signal is applied to the blue wire.