PRODUCT MANUAL
Chroma Flow RGB LED Controller/Receiver

Solid Apollo™
Where light meets perfection

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DESCRIPTION

Thank you for purchasing the Chroma Flow RGB LED Controller. This RGB advance controller is specifically designed to control 3 channel RGB LED lights that run at a constant voltage of 12-36V DC.

Solid Apollo's Chroma Flow RGB LED controller is a new and enhanced product that will enable you to wirelessly control any color changing LED lighting system. Chroma Flow includes a receiver and a wireless remote capable of transmitting signals up to 100 feet away, even through walls!
Solid Apollo's Chroma Flow contains new control features found only in high end products: Full and precise control of colors with fine chromaticity control, full spectrum color selection, brightness control, and much more!
Chroma Flow receiver can handle more power than its predecessor, which is useful for demanding installations. Each receiver can handle up to 5 Amps per channel and is also very flexible when working with different LED installations as it can work seamlessly with systems that operate in any voltage ranging from 12 to 36V DC.

Essential Product Features

- 10 Fading Effects Programs with Selectable Speed Control: From 2 Seconds to 8.5 Minutes
- Create Your Own Color by Using the Adjustable Color Levels on Each Channel
- Choose Different Colors by Using the Rainbow Picker Function
- Easily Select from 7 Predefined Colors (Red-Blue-Green-Orange-Yellow-Cyan-Purple)
- Create 3 Tones of White Light: Warm White, Daylight White and Cold White
- 256 Increments of Brightness Levels
- Smooth and Even Color Fading Programs Without any Flickering
- Slender and Silky Hand Held Wireless RF Remote Controller with Powerful On-Board Functions
- Enabled to Pause at Any Color During Color Changing Modes
- Individual Color Buttons Allow Separate Smooth Color Adjustments of Each Color
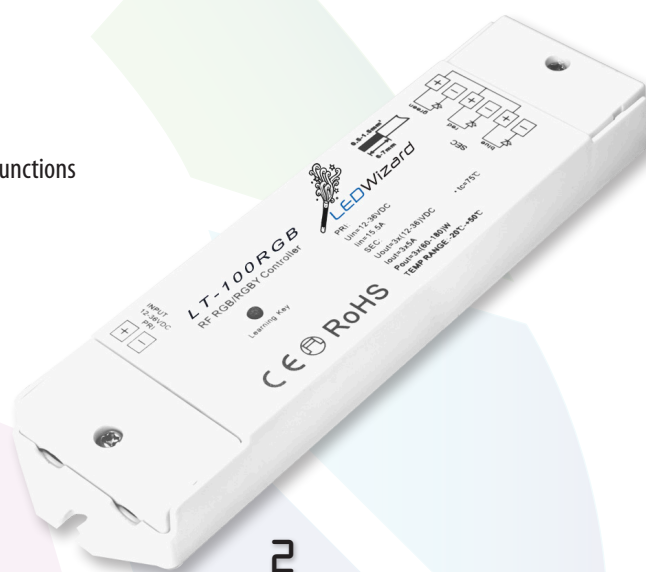- Receiver Can Work as Master or Slave for Simple or Complex Installations

Extra Product Features

- **Memory function:** Even if the unit loses power, it will remember all dimming values, so when power comes back, all light will be at the same level where they were left.

- **Soft ON and OFF:** Every time you turn ON or OFF the lights they will gradually turn ON/OFF softly.

Chroma Flow LED Remote[1] & Receiver[2]

1

2

12V to 36V DC   RGB LED LIGHTS

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CHROMA FLOW WIRELESS RGB REMOTE: fig. 1

1: ON/OFF & RESET BUTTON
- Short Press to turn ON/OFF your LED lights
- Long press (3 seconds) reset the controller

2: MODE BUTTON
10 Built in color Changing modes with Fading Effects and Static Color Choice
Press MODE(M) Button: That will enable you to select through (10) different programs. Say you are on Program (1) and the lights are going through the set program, if you press the (M) Button again, that will stop (PAUSE) Program (1) on color currently being displayed. (M) acts as a pause button so you may select a custom color.

You will have to press the (M) button several times to go through all 10 programs:
PROGRAM1 -M- PAUSE -M- PROGRAM2 -M- PAUSE -M- PROGRAM3 -M- PAUSE -M- PROGRAM4 -M- PAUSE - ect.

This means that in order to cycle completely through the programs, you must physically press the (M) Button 20 times, once for the 10 different programs and once for each pause function! Keep in mind that once you have paused a program and you hit the (M) Button again, IT WILL NOT RESUMSE THE PREVIOUS PROGRAM! You must press the (M) Button another 19 times to return to your original program.
So to recap:
1. Turn LED's on, they will be at the same color and levels of brightness as when they were turned off.
2. Press (M) Button to either Pause the current program or, go to the the next, different, program. Cannot go back!
3. Once paused, use (R+/-) (G+/-) (B+/-) to achieve desired color combo.

3: COLOR (C1)(C2) & SPEED (S-)(S+) BUTTONS
(C1 & C2 only work with solid color functions when paused between programs, will not work when program is running because the S+/- take over to control speed of the program)
- (C1) 10 Solid Color Mode selection: RED-ORANGE-YELLOW-GREEN-CYAN-BLUE-PURPLE-WARM WHITE-DAYLIGHT WHITE-COLD WHITE: Achieved with a short press of the button
- (C2) RGB Slow color changing mode(color wheel): Keep it pressed(for 5 seconds) to go around the rainbow colors and depress when you get the color of your choice
- (S-) and (S+) Program Speed adjustment: This is used with any of the 10 programs that are selected through the MODE function (button 2)
- By pressing (S-) you will slowly reduce the program speed or the timing of how the LEDs change Color
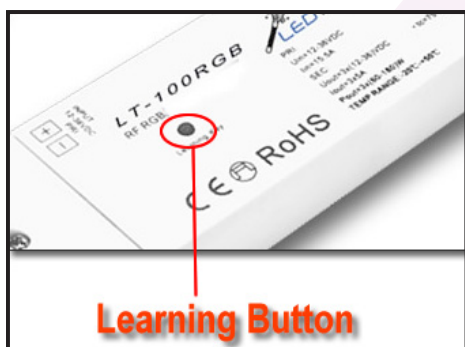- By pressing (S+)you will slowly increase the program speed or the timing of how the LEDs change Color

4: COLOR MICRO ADJUSTMENTS
This option is used when you have a static color (Does not work under Changing modes):
For example, if you choose a purple color by using the (M) Key (Number 2) and it is not exactly the purple color that you like, you can increase/decrease the amount of RED(OR Blue OR Green) by pressing the R+ and R- keys.
- Each Key represents a color
- R- and R+: Decrease/Increase RED Color
- G- and G+: Decrease/Increase GREEN Color
- B- and B+: Decrease/Increase BLUE Color

Learning Button: fig. 2

Learning Button

INSTRUCTION
In Order To "Pair" The Receiver With The Remote, The Receiver Has To Learn That It Belongs To That Remote.

STEP 1: Once the receiver is powered on, press the learning button shortly, for less than a second, and then release.

STEP 2: Immediately after step 1, press the (M) button on the remote. (Button number 2 on the Remote). If the pairing has been done correctly, the LED Lights should flash and the learning function is now complete.

TROUBLESHOOTING:
If the learning function is not achieved for any reason, you can "Reset" the receiver by pressing the Learning Button for 10 seconds. After that you will have to do steps 1 and 2 again.