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69−RTC10
RF Remote Touch Screen Control System
for RGB + W and RGB + WW LED Strips

Description:

The 69−RTC10 is a high−performance RGBW LED touch remote controller that utilizes the most advanced PWM control technology. This allows the device to control all types of RGBW LED products containing five lines and four circuits (common anode) as well as 15 automatic changing modes and 640 thousand colors to choose from. The 69−RTC10 also has a memory function that remembers the previous setting when the unit is turned off and then powered back on.
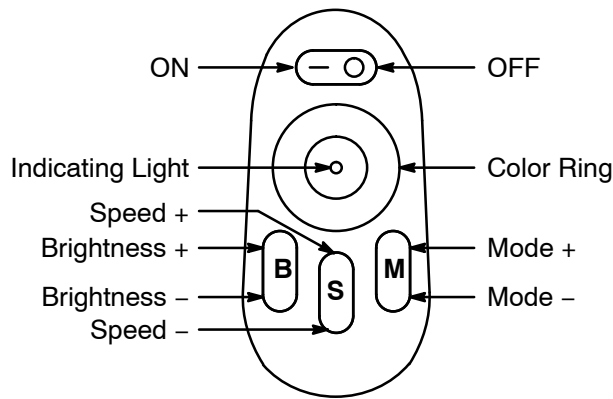
With 2.4G high frequency wireless remote control technology, the 69−RTC10 features low power consumption, long distance transmission, high speed communication, strong anti−interference ability, high speed communications, etc.

The remote looks fashionable and elegant, with simple and practical functions for color changing and brightness dimming and the capacitive touch screen design makes the remote easy to use. The modular design and easy−to−use screw terminals enable the controller to easily match with all kinds of LED light products.

Technical Specifications:

Remote	**Size**	110 x 52 x 20mm
	Power	Requires 2 AAA Batteries **(Not Included)**
	Material	ABS Plastic
	Fabrication Process	Multicolor Printing and UV Varnish
Controller	**Size**	85 x 45 x 23mm
	Working Voltage	12V to 24V DC
	Control Way	R G B W Four Channels
	Maximum Load per Channel	6A
	Output Connection	Common Anode
	Telecontrol Distance	98.4 Feet (30 Meters)
	Programs	15 Types

Key Function Descriptions:

Program List:

Number	Mode	Brightness State	Speed State	Remark
1	Solid Color (Other than White)	Adjustable	Unadjustable	Choose Any Color by Touching the Color Ring
2	Solid White Color	Adjustable	Unadjustable	White Only
3	Solid Color and White Together	Adjustable	Unadjustable	Color Ring Free to Choose Brightness Adjusts Only for Color Light
4	Solid Color Gradual Change	Adjustable	Adjustable	White (Off)
5	Red / Green / Blue / White Gradual Change	Adjustable	Adjustable	
6	Red / Green / Blue / White Hopping	Adjustable	Adjustable	
7	Red / Green / Blue / Yellow–Green / Violet / Teal / White Hopping	Adjustable	Adjustable	
8	Red / White Hopping	Adjustable	Adjustable	
9	Blue / White Hopping	Adjustable	Adjustable	
10	Green / White Hopping	Adjustable	Adjustable	
11	Red Blinking	Adjustable	Adjustable	
12	Blue Blinking	Adjustable	Adjustable	
13	Green Blinking	Adjustable	Adjustable	
14	White Blinking	Adjustable	Adjustable	
15	All Colors Blinking, Gradual Change, Hopping	Adjustable	Unadjustable	All the Modes Cycle

Programming:

Code Matching:

For a new kit (1 remote & 1 controller), the remote can only work when it is programmed to match the controller. Please follow the instructions below:

1. Correctly connect the power supply, LED controller and LED load.
2. Switch OFF the power, then switch ON again. Press Speed + once (within 3 seconds) the moment you see the light is on.
3. The LED light will blink twice slowly when the remote and controller are matched.

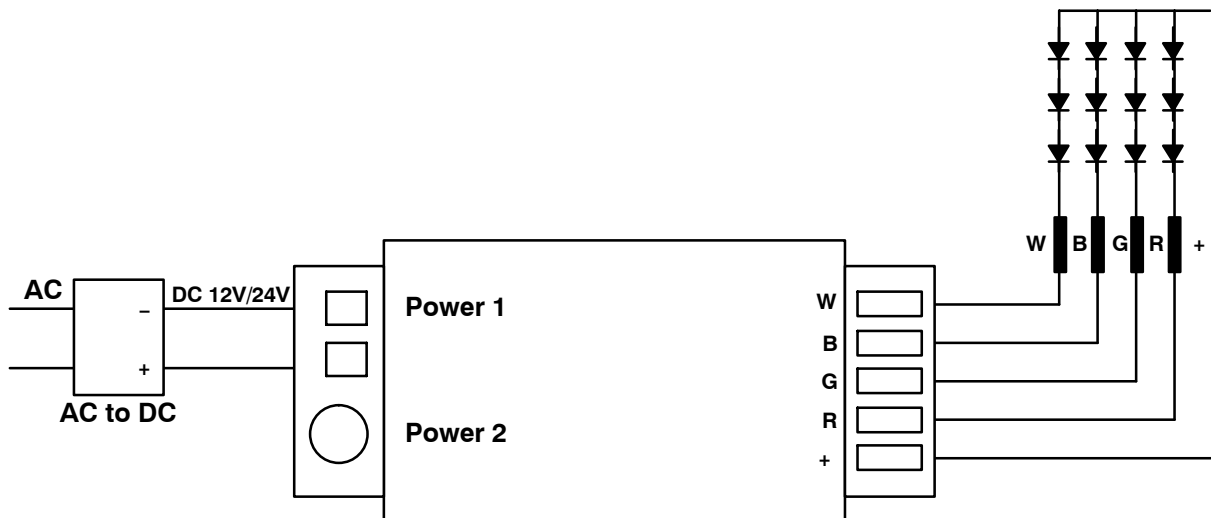## Programming (Cont'd):

Code Clearing:

The code can be cleared as needed. The kit (1 remote & 1 controller) will return to its original state after code clearing and can only be used once the Code matching steps are repeated. Please follow the instructions below to clear a programmed code:

1. Correctly connect the power supply, LED controller and LED load.
2. Switch OFF the power, then switch ON again. Press and hold Speed + (within 3 seconds) the moment you see the light is on.
3. The LED light will blink fast 9 times when the code is cleared.

Notes:

1. The regular product for sale is a kit (1 remote & 1 controller).
   The user can re–programmed freely as needed. One remote can control countless controllers however, one controller can only be controlled by a maximum of four remotes.
2. Please check the battery installation and controller (totally discharge the power) when you program after switching OFF and switching ON.

Connection:

Notes:

1. Be sure to check that the input voltage of the power supply is compatible with the controller. Also, please verify that the anode and cathode connections are correct, otherwise the controller will not function correctly.
2. DO NOT connect the wires with the power on. Turn the power switch on only after verifying that the connections are correct and that there is no short circuit possibility.
3. To improve the sensitivity of the remote, be careful not to place your finger(s) on the touch ring while installing the batteries. Do not use the remote for at least 3 seconds after the batteries have been installed. If the touch ring is slow to respond, please try reinstalling the batteries.
4. Do not use the controller in areas containing excessive metal or strong electromagnetic waves as this will seriously effect the range between the remote and the controller.