1 Product Diagram and Button Functions

Parts on wired control	Description of function
Upper ON/OFF	ON/OFF & color temperature switch for lighting mode; once this button is pressed, the RGB mode will be turned OFF; when lighting mode is ON, short press to cycle through: white→neutral→warm→OFF, and long press to turn OFF
Upper indicator light	When lighting mode is ON, the upper indicator light will be OFF.
Plus (+) button	Brightness up for both lighting mode and RGB mode.
Minus (-) button	Brightness down for both lighting mode and RGB mode.
Lower indicator light	When RGB mode is ON, the lower indicator light will be OFF.
Lower ON/OFF	ON/OFF switch for RGB mode; once this button is pressed, the lighting mode will be turned OFF; when RGB mode is ON, short press to cycle though the patterns, and long press to turn OFF.
Button on remote control	Description of function
Lighting: ON/OFF	ON/OFF switch for lighting mode
Lighting: brightness down	Brightness down under lighting mode
Lighting: brightness up	Brightness up under lighting mode
Lighting: white light	Switch to white light under lighting mode
Lighting: neutral light	Switch to neutral light under lighting mode
Lighting: warm light	Switch to warm light under lighting mode
RGB: ON/OFF button	ON/OFF switch for RGB mode
AUTO	Automatic cyclic running of all color patterns, 20 seconds per pattern
M+	RGB pattern +
M-	RGB pattern -
S+	Speed up for dynamic RGB color
S-	Speed down for dynamic RGB color
RGB: brightness up	Brightness up under RGB mode
RGB: brightness down	Brightness down under RGB mode
Lock	Pause/resume under RGB mode
Setting	Pairing/unpairing of remote control (see operating instructions below)
RGB: W	Static white light under RGB mode
RGB: Red	Static red light under RGB mode
RGB: Green	Static green light under RGB mode
RGB: Blue	Static blue light under RGB mode

2 Main Parameters

2.1 Input interface: Standard USB type A plugOutput interface: 6-core cable with bare head (red/blue = "+"; yellow = warm; white = white; green = signal; black = "-")

2.3 Input voltage: DC5V ± 0.2V (3A is highly recommended for the power supply)

2.4 Working current: The maximum current under RGB mode is < 2A; the maximum current under lighting mode depends on the current-limiting resistance on the board.

2.5 Maximal current limit: The current onto the board is limited below the maximal current of power supply, and must be <= 3 A.

2.6 No. of RGB pixels: default 48 pixels

2.7 Remote control frequency: RF 433MHz (through-the-wall)

2.8 Remote control distance: > 12 m

2.9 Cable parameters: Total length 2 m; input 22AWG, 2-core (current up to 3A); output 26AWG, 6-core (current up to 3A)

3 Main functions

3.1 Control system: RF 433 MHz remote control and wired control

3.2 Static brightness adjustment: 8-level

3.3 Dynamic speed adjustment: 8-level

3.4 Color patterns under RGB mode: 13 dynamic and 13 static patterns, 26 in total

3.5 Power-off memory: available for remote controlled RGB mode in terms of color pattern, brightness, and speed; not available for wired controller or lighting mode.

3.6 Remote controller pairing: available; with power-off memory

4 Pairing and Unpairing of Remote control

4.1 Connect the wired control to a power supply; regardless of ON/OFF state of the lamp, long press the "Setting" button on the remote controller for 3 seconds; if the lamp flickers 3 times, the remote controller is successfully paired and no more controller is able to control this lamp.

4.2 Long press the "Setting" button on the remote controller for 5 seconds; if the lamp flickers 5 times, the remote controller is successfully unpaired and any other controller is able to control this lamp.

4.3 All remote controllers are in unpaired state as default and have power-off memory once paired.

5 Description of Color Patterns

Pattern	Description	Pattern	Description
1	Flowing rainbow	14	Static red
2	8-color flowing (red, green, blue, yellow, cyan, purple, white & orange)	15	Static orange
3	2-sided green tailing with orange background	16	Static yellow
4	2-sided blue tailing with azure background	17	Static army green
5	4-color (red, green, orange & blue) chasing with intermittent white background	18	Static green
6	4-color flowing in 4 segments (red, green, orange & blue)	19	Static azure
7	RGB mixed colors	20	Static cyan
8	4-color flowing in 2 segments (red, yellow, white & purple)	21	Static pale blue
9	Police light (quick flash of red & blue)	22	Static blue
10	6-color transition	23	Static lavender
11	6-color breathing	24	Static purple
12	1-sided blue tailing with pink background	25	Static pink
13	1-sided green tailing with white background	26	Static white

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

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
--Reorient or relocate the receiving antenna.
--Increase the separation between the device and receiver.
--Connect the device into an outlet on a circuit different from that to which the receiver is connected.
--Consult the dealer or an experienced radio/TV technician for help