Product Instructions

Safety warning

In order to ensure the integrity and safety of the product, please follow the warnings and reminders in this manual.

Be careful! Please read the safety precautions carefully:

1. During installation, try to avoid in the minefield, strong magnetic field and high pressure area;
2. Ensure that the wiring is correct and firm, so as to avoid short circuit damaging components and triggering fire accidents;
3. Please install the controller in a well ventilated place to ensure the appropriate ambient temperature;
4. Please check whether the input power supply voltage of the controller meets the product requirements, and whether the definition of the positive and negative poles of the power supply is consistent with the product;
5. Live wiring is prohibited. After checking and confirming that the wiring is correct, check that there is no short circuit in the power on;
6. If there is any problem, please do not repair it without permission.
   If in doubt, please contact the supplier.

Product introduction

The 17 key RGB colorful lamp belt controller uses advanced microcomputer control IC and the most advanced PWM (pulse width modulation) control technology, which is used to control all kinds of LED lamps and lanterns; it can control most of the four wire RGB LED colorful lighting products on the market.

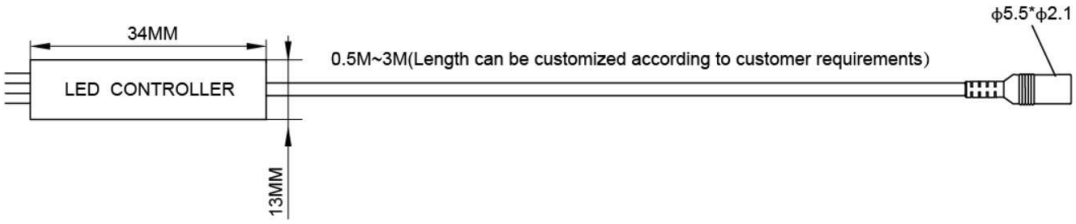
The 17 key RGB colorful light belt controller can control 22 kinds of dynamic modes and 20 kinds of static colors. Within the effective distance, it can send control commands through the RF remote controller to control the function change, speed adjustment, brightness adjustment, static color selection and various dynamic light change effects

Performance parameter

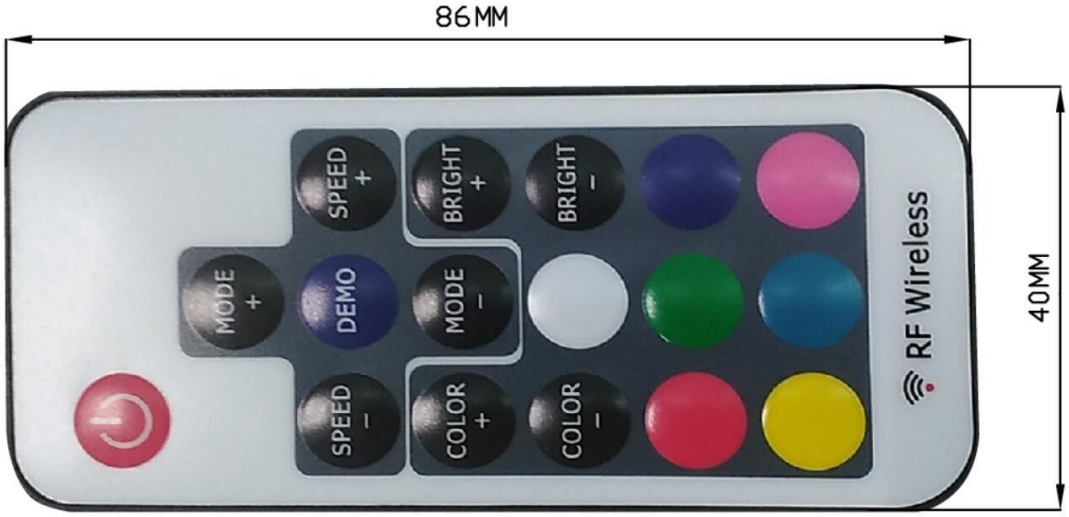
- ●Product Name: 17 key RGB colorful light belt controller
- ●Model：FTR HC L RF 01
- ●Working temperature ：-10~50℃
- ●Input voltage ：DC5-12V；
- ●Specification of power supply connector：5.5*2.1mm；
- ●Static power consumption：＜1W；
- ●Output mode: 3 circuits
- ●Output current: 4A (peak value) and 2A (normal) for each circuit;
- ●Frequency：433.92 MHz
- ●Speed selection: level 10
- ●Brightness adjustment: 5 levels
- ●Change mode: 22 dynamic modes and 20 static colors
- ●Remote control distance: more than 10 meters;
- ●Remote control battery type：DC 3V (CR2032 battery)；

Overall Dimension

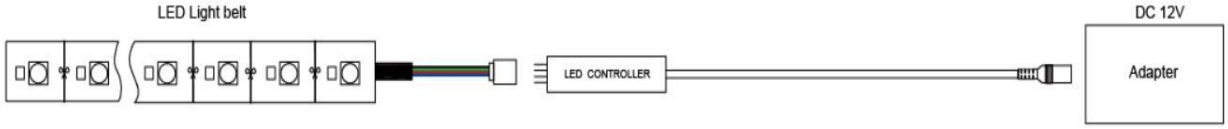
1、 Controller Strip dimension



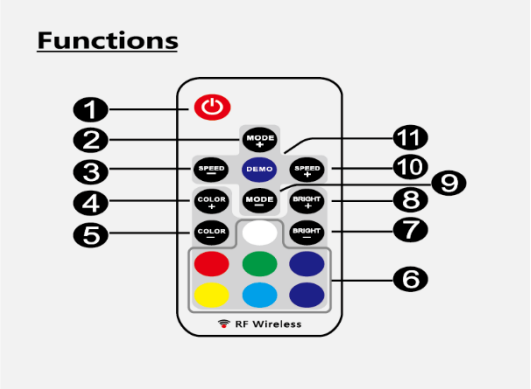
2、 Controller dimension



Schematic diagram of product connection



Remote control key name and function description



1:Turn On/Standby

Press this key to turn on unit or switch to standby mode. At power on, unit will automaticly turn on and restore to previous status.

2/9:Dynamic Mode Adjust

Switch to dynamic mode from static color; or switch between dynamic modes.

3/10:Dynamic Speed Adjust

Adjust dynamic playing speed. Press SPEED* to increase speed and press SPEED- to decrease. Unit will switch to dynamic mode If press this key at static color mode.

4/5:Static Color Adjust

Switch to static color mode from dynamic mode, or switch between static colors.

6:Direct Color Select

Shortcut key to static colors. When press the specific color key, LED will play the same static color. The direct colors are included in 'COLOR+* and "COLOR-' operation.

7/8.:Brightness Adjust

Adjust static color brightness. Press BRIGHT + to increase brightness and press BRIGHT- to decrease. Unit will switch to static color mode If press this key at dynamic mode.

11:Demo Mode

Press this key will switch to Demo mode. At demo mode, it plays 17 dynamic modes in loop, each mode repeat 3 times.

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.
(2)This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment 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 equipment generates uses and can radiate radio frequence 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 accor in a particular installation. if this equipmemt does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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 equipment and receiver.
- Connect the equipment into an autlet on a circuit different from that to which the receiver is connectec.
- Consult the dealer or an experienced technician for help.

FCC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition without restriction.