

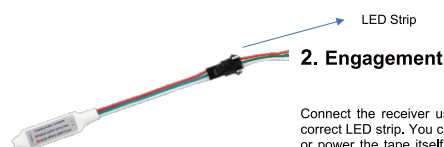


EN

# 544562 StrongLumio Remote Controller for Digital LED Strips

## 1. Product Description

The product is designed for wireless control of single-color digital (addressable) LED lighting with input voltage 12-24 V. Use the device only in accordance with these instructions for use. Do not disassemble or modify the product in any way. Store and use the appliance only indoors in a dry environment or in an area protected from the elements. The device is not intended for outdoor use.



## 2. Engagement

Connect the receiver using the 3pin JST connector to the correct LED strip. You can use the connection cable 543631 or power the tape itself with a double cable from the other side (pay attention to the polarity). The receiver is powered from the tape, so no cable runs from its other side.

## 3. Specification

Parameter	Value	Parameter	Value
Label	544562 / RU004	Signal type	IR 38 kHz
Power supply	12V/24V	Signal range	15 m
Driver power	2x AAA	Max number of pixels	2048
Dimming	Yes, 10 levels	Level of protection	IP20
Dynamic Modes	28 Modes	Certification	CE, RoHS

## 4. Description of the Buttons on the Controller



ON/OFF

- B +, B-: Brightness control + and-(10 levels)
- S +, S-: Speed control + and-(10 levels)
- M +, M-: Switch between dynamic modes (28 options)
- MODE1: Sets mode No.1 = dynamic effect when on and off, light shines statically.
- AUTO: Starts automatic switching of all modes, speed and brightness can be controlled.
- IC Set: Starts pixel adjustment mode-can be controlled for different lengths of strips or control only part. Settings using the arrows "↑" and "↓".

## 5. Description of Functions

### 5.1.How to Set Pixels

When switched on, briefly press the "IC Set" button to enter the settings menu. Use the arrows to set the desired number of controlled pixels (depending on the tape used, it can be individual diodes with their own chip or entire segments). Short press to set one pixel point, long press to make a quick setting, after setting, press the ON/OFF button to save and exit. The default factory setting is 80 pixels and the maximum can be set to 2048 pixels.

### 5.2.Memory Pairing and Erasing

**Code pairing:** Within 5 seconds after the receiver is connected, hold the "B +" button and the LED strip will slowly flash three times to indicate successful pairing.

**Erase the code:** Within 5 seconds after the receiver is connected, hold the "B" button. The LED strip will slowly flash three times to indicate that the code has been successfully erased.

### 5.3.Reset

Press and hold the "MODE 1" and "AUTO" buttons simultaneously for about 3 seconds, The band will flash and set the maximum brightness.

### 5.4.Power Failure Memory

If the device is disconnected from the power supply, it will return to the settings before the power failure when reconnected.

## 6. List of Modes

1. When the light is turned on, it lights up with the effect of flowing water (gradual lighting), when it is turned off, the effect returns and the light goes out.
2. When the light is turned on, it lights up with the effect of flowing water, when it is turned off, the light turns off in the direction of flow.
3. When the light is turned on, it lights up with the effect of flowing water from end to beginning, when the light is turned off, it goes out in the direction of backflow.
4. When the light is turned on, the effect of flowing water is activated, when the light is turned off, it goes out in the direction of flow.
5. The effect of flowing water moves from both ends to the center and remains glowing. When the light is turned off, the effect reverses and flows from the center towards the edges.
6. The effect of flowing water moves from both ends to the center and remains glowing. When the light is turned off, it flows back from both ends to the center.
7. The effect of flowing water moves from the center to the edges and remains glowing. When switched off, it flows from both ends back to the center.
8. The effect of flowing water moves from the center to the edges and remains glowing. When turned off, it flows back from the center to the edges.
9. When the light is turned on, the effect of flowing water runs with a smooth transition, when it is turned off, the effect returns and the light goes out.
10. When the light is turned on, the effect of flowing water runs with a smooth transition, when it is turned off, the light turns off in the direction of flow.
11. Circulation mode: when the light is turned on, the effect of flowing water with the trace of three IC "meteors", when the light is turned off, backflow and extinguishing.
12. Circulation mode: when the light is turned on, the effect of flowing water with five IC "meteors", when the light is turned off, the light will turn off in the opposite direction of flow.
13. Circulation mode: When the light is turned on, the effect of flowing water with eight IC "meteors", after the light is turned off, return and turn off in the opposite direction of flow.
14. Circulation mode: when the light is turned on, the flowing water effect, seven ICs control the "water trail" at both ends; when the light is turned off, the backflow and turn off.
15. Circulation mode: when the light is turned on, the flowing water effect, one IC controls the "running horse" effect, after the light is turned off, return and turn off.
16. Circulation mode: When the light is turned on, the effect of flowing water, five ICs control the effect of "running horse", after the light is turned off, return and turn off.
17. Circulation mode: when the light is turned on, one IC for "running horse" + four ICs for "meteor" effect, after the light is turned off, return and turn off.
18. Circulation mode: When the light is turned on, nine ICs "meteors" create a flowing trail effect.
19. Circulation mode: When the light is turned on, a smooth transition with nine ICs "meteors" with a flowing water effect.
20. Circulation mode: When the light is turned on, the effect flows from both ends to the center.
21. Circulation mode: When the light is turned on, the effect flows from the center to the edges.
22. Circulation mode: When the light is turned on, the effect flows from both ends to the center, and when the light is turned off, it fades from the center to the edges.
23. Circulation mode: When the light is turned on, the effect flows from the center to the edges and turns off from the edges to the center.
24. Circulation mode: When the light is turned on, the effect flows forward (in the direction of flow).
25. Circulation mode: When the light is turned on, the effect flows backwards (in the opposite direction).
26. Circulation mode: When the light is turned on, the effect runs forward and backward.
27. Circulation mode: When the light is turned on, the effect runs backwards and forwards
28. Circulation mode: After the light is turned on, the effect flows forward, then the light is turned off with a reverse effect-first the light "flows" back in the opposite direction, then "fades" again in the direction of the forward flow.

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