



novostella

LED RGB Light Strip User Guide

Contact Us

Have some issue? No worries! Please reach us via these channels.
Our customer services team is more than happy to help.



support@novostella.net



www.novostella.net

Manufacturer: Shenzhen Ustellar Technology Ltd.
(shen zhen shi you shi tuo ke ji you xian gong si)

Address: Rm.C306, 3/F, C Bldg., Youth Entrepreneur Hub, Jianshe East Rd., SZ, CN



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LED RGB Light Strip User Guide

THANK YOU for choosing Novostella. To optimize user experience, please use the product according to the following instructions.



Warning

- (1) Winding lighting is prohibited, as it affects heat dissipation and might cause dangers.
- (2) Please unroll the light strip from the plate before lighting it up.
- (3) NTS22A-RGB-US-NF can only work with ONE power adapter in a series connection of maximum 6 meters, and NTS28A-RGB-US-NF can only work with ONE power adapter in a series connection of maximum 12 meters.
- (4) Please check if the light strip and the parts are intact before using them.
- (5) Please make sure that the power supply is turned off before installation.
- (6) Please use the attached power adapter only, to ensure that the light works properly.
- (7) Please do not use this light in the open air or under humid environment.

1. Specification

P/N	NTS22A-RGB-US-NF
Model	NTS22A-RGB-US-NF
Wattage	9W
Color	RGB
Total Length	20ft / 6m
LED Type	5050
LED Quantity	168 LEDs
Input Voltage	100-240V AC
Frequency	50/60Hz
Luminous Flux	38lm/m (Red: 6lm/m Green: 25lm/m Blue: 7lm/m)
Adapter	12W(24V0.5A)
Working Voltage	24V
Working Temperature	-25°C~40°C
Restriction	IP20, Indoor Use Only, DRY LOCATIONS ONLY
Battery Type	CR2025 (for RF remote controller)
Package Includes	Light Strip x 1, RF Remote Controller x 1, Power Adapter x 1, LED Signal Receiver x 1
Frequency Range	2402MHz to 2480MHz
EIRP	-2.99dBm
Wireless Application Protocol	BLE

P/N	NTS28A-RGB-US-NF
Model	NTS28A-RGB-US-NF
Wattage	18W
Color	RGB
Total Length	40ft / 12m
LED Type	5050
LED Quantity	336 LEDs
Input Voltage	100-240V AC
Frequency	50/60Hz
Luminous Flux	38lm/m (Red: 6lm/m Green: 25lm/m Blue: 7lm/m)
Adapter	24W(24V1A)
Working Voltage	24V
Working Temperature	-25°C~40°C
Restriction	IP20, Indoor Use Only, DRY LOCATIONS ONLY
Battery Type	CR2025 (for RF remote controller)
Package Includes	Light Strip x 1, RF Remote Controller x 1, Power Adapter x 1, LED Signal Receiver x 1
Frequency Range	2402MHz to 2480MHz
EIRP	-2.99dBm
Wireless Application Protocol	BLE

2. Components

Light Strip



Power Adapter



RF Remote Controller



LED Signal Receiver



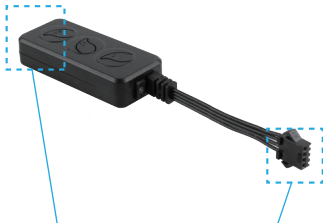
NTS22A-RGB-US-NF



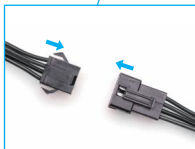
NTS28A-RGB-US-NF

Note: Power Adapter Cord - type Z attachment. For type Z attachment: The cable or cord cannot be replaced without breaking or destroying the luminaire.

LED Signal Receiver

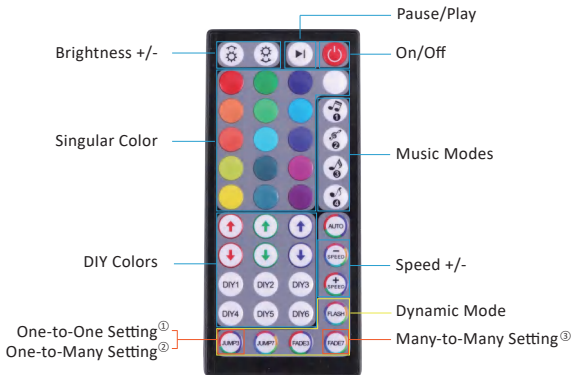


Access Port for DC
Power Adapter



4-Pin Access Port for
Light Strip

RF Remote Controller



Dynamic Mode

There are 6 preset dynamic modes, and their speed can be adjusted with the "QUICK" or "SLOW" button.

1. JUMP3: Flash and loop among 3 colors (Red, Green, Blue).
2. JUMP7: Flash and loop among 7 colors (Red, Green, Blue, Yellow, Purple, Cyan, White).
3. FADE3: Fade and loop among 3 colors (Red, Green, Blue).
4. FADE7: Fade and loop among 7 colors (Red, Green, Blue, Yellow, Purple, Cyan, White).
5. FLASH: Flash on white color only.
6. AUTO: Loop among the above 5 dynamic modes. The FLASH mode (white color only) repeats 20 times, while the rest four modes repeats 4 times in each loop.

Three Settings

There are three flexible settings for the remote controller(s) to control the light strip(s) as per your lighting project, One-to-One Setting, One-to-Many Setting and Many-to-Many Setting. You can choose either which light strip and how many light strips one controller controls, or which controller and how many controllers control the light strip(s).

- ① **One-to-One Setting:** One remote controller can only control one light strip. Turn on the remote controller and power on the LED Signal Receiver of the light strip. During the first 5 seconds, immediately long press the bottom left button on the remote controller till the strip light blinks. Then the 'One-to-One Setting' is done. One-to-One Setting is the factory default.
- ② **One-to-Many Setting:** If you want to control many light strips with one remote controller, you could choose the 'One-to-Many' Setting. Turn on the remote controller and power on all LED Signal Receivers of the light strips. During the first 5 seconds, immediately long press the bottom left button on the remote controller till the strip lights blink. Then the 'One-to-Many Setting' is done.

③ **Many-to-Many Setting:** If you have many light strips and remote controllers, and hope that any of the controller can control all the light strips, you could choose the 'Many-to-Many' Setting. Turn on each remote controller and power on its LED Signal Receiver. During the first 5 seconds, immediately long press the bottom right button on the remote controller till the strip light blinks.

How to DIY colors?

This light strip is made of RGB LEDs, which means there are three colors (red/green/blue) on one LED. All lighting colors are made by changing the ratio of red, green and blue on the LED.

e.g. Red + Green = Yellow Lighting

Red + Blue = Purple Lighting

Green + Blue = Cyan Blue Lighting

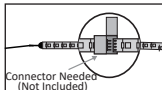
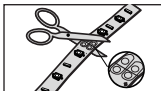
Firstly, choose and press one button from DIY1 to DIY6 on the RF controller, for instance, the DIY1 button. Secondly, press ↑ or ↓ button to increase (↑) or decrease (↓) the ratio of red, green and blue on the LED, so as to create different lighting colors. Then the specific DIY color lighting will be saved on the DIY1 button (the button you choose on the first step). Next time when you want to use this DIY color lighting, simply press DIY1 button for a quick access.

3. Installation

1. How to cut the LED strip?

Before cutting the LED strip, please keep these in mind.

- (1) Once the strip is cut, an extra connector is needed for reconnection, otherwise the rest part being cut can not work. The connector is not included in the package. You may contact the seller for the connector details.
- (2) Double confirm the length for installation before making the cut.
- (3) Cut the strip along the marks.



2. How to install the LED strip?

- (1) Choose an even and smooth surface.



NO Knitted or Wool Fabrics



NO Plastered Wall



NO Rough Plastic Surface

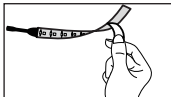


NO Frosted Glass

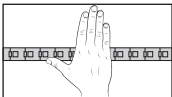
(2) Sweep the dust off the surface.



(3) Tear the back sheet.



(4) Press the strip with force.

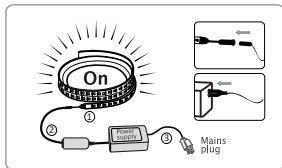


(5) Fasten the strip with clips, if applicable. (It is recommended to use the clip every 0.5m.)



(6) Connect the light strip ① to controller cable ②, and then connect controller cable to power adapter ③.

Plug the adapter into the socket and turn on the light strip by pressing 'ON' button on the RF remote controller.



Note:

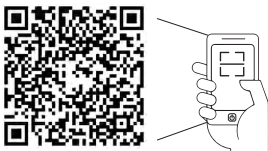
- (1) If the strip can't light up after the installation, please check whether the joints are connected correctly.
- (2) Please make sure to turn off the power supply during routine maintenance.
- (3) To avoid any damage to the strip, please do not use chemical solvent during routine maintenance.

4. How to control the light strip?

4.1 Download the App Lotus Lantern by scanning the QR code below. This App is compatible with Android 4.0 and iOS 8.1 or above.

Download APP

1: Scan the QR code from the label or user manual.



The APP is compatible with Android 4.0 and IOS 8.1 and higher version.

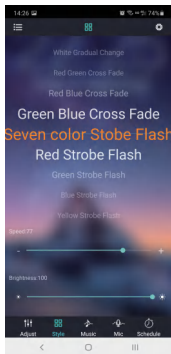


Android 4.0



iOS 8.1

- 4.2 Power on the light.
- 4.3 Activate the Bluetooth function on your phone and open the App to automatically connect to the light.
- 4.4 Enjoy the lighting by exploring the functions such as brightness, modes, music sync, timer etc via the App.



FCC ID(Remote Controller): 2AWON-NTS-RGB-RF**FCC ID(BT Signal Receiver): 2AWON-NTS-RGB-BT**

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

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.

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 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 equipment 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 outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

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Manual Version: NTS22A/NTS28A-RGB-US-NF / V1.1



MADE IN CHINA