


_V1.0_D1.1.1_KD010418000

Model	MXL-K001-01B
xLight FCC ID	2AH9Q-XLIGHT
Input	5V = 2A

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.



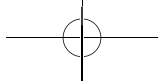
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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.tt

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



xLight control box introduction

1. Turn on/off the control box

Turn on Press the button on the xLight control box. The indicator blinks twice in green.

Turn off Hold down the button for two seconds. The indicator blinks twice in red.

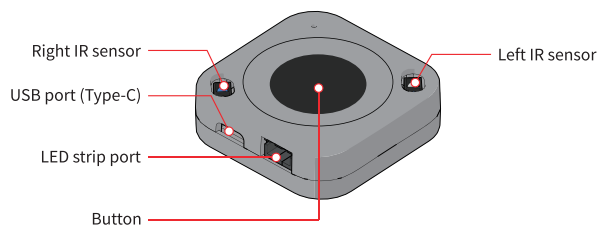
2. Notes

(1) The default program on the control box is compiled to control **21 LEDs**, and therefore, an LED strip or string is partially (21) lit up after being powered on if it has more than 21 LEDs. You can use the Makeblock app or mBlock 5 to control the number of LEDs to be lit up.

(2) The default LED brightness set on the control box is **60%**. You can change the brightness of LEDs by using the Makeblock app or mBlock 5.

(3) After the control box is connected to the power supply, you need to **wait 1-3 seconds** to wake up the built-in program of the control box before you can operate it.

(4) The IR sensor may be affected when there are **black objects** or **strong surrounding light**. Avoid using black objects for gesture sensing, or using the product in strong light (e.g., under sunlight).



Use default programs

1. Rainbow light

Power on xLight N1 and connect the acrylic light board to the control box. The rainbow light is shown by default.

2. Infrared-based gesture control

With the left IR sensor, you can use your gestures to switch between light effects, including the rainbow, marquee, gradient, meteor, firefly, tidal, and random color change effects.

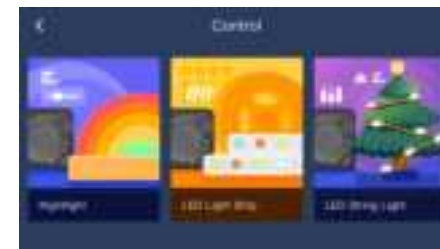
When the right IR sensor senses your gesture for the first time, the music mode is enabled. You can sing loudly or play some music to change the light. When it senses your gesture again, the dynamic rainbow light mode is enabled.

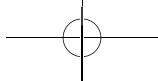
Note: After you use the app or remote control to operate xLight N1, the default programs are disabled. To use the default programs, you need to restart xLight N1.

Download apps

Search for **makeblock** and **mBlock** in app stores to download the Makeblock and mBlock 5 apps, respectively.

Note that the operating programs vary according to product kit or LED strip. Select one based on the kit or LED strip you use. LED strip specifications: 21, 90, and 100 LEDs





Connect xLight N1 to mBlock 5

1. Download mBlock 5.

Visit www.mblock.cc to download the latest version of mBlock 5 and install it.

2. Use a USB cable (Type-C) to connect xLight N1 to your PC.

Ensure that xLight N1 is successfully connected to your PC.

3. Add the xLight device.

Open mBlock 5, delete the default device and add the xLight device from the device library.



4. Connect xLight N1 to mBlock 5.

Click **Connect** and then click **Connect** in the dialog box that appears.



5. Set the programming language.

After connecting xLight N1 to mBlock 5, you can click a programming language to program it.



6. Select the program for (LED strip/LED string)

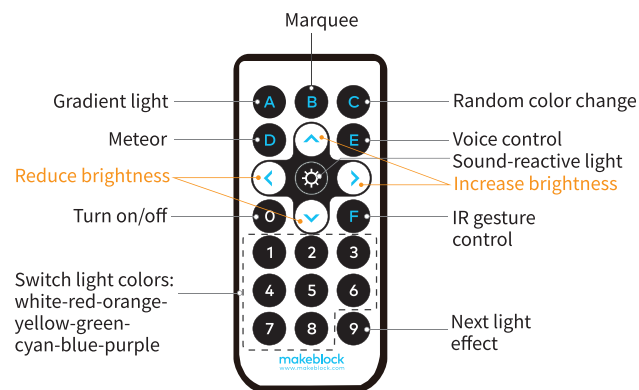
#colorful light base (containing a strip with 21 LEDs), select "LED strip" option.

Select the program according to the kit (strip/string) you use. Different kits require different programs.



Use the remote control

Note: No battery is delivered with the remote control. The CR2025 3V lithium cell is recommended.



FAQs

1. Can I connect the xLight control box to another light source?

Yes, you can connect xLight to all the LED strips that are compatible with its interface (3pin)! The mall also provides other kits: RGB LED strip 3m (90 LEDs), copper wire LED string 10m (100 LEDs), colorful light base (containing a strip with 21 LEDs), etc.

2. Why can't I control the LED strip with my apps?

The mBlock 5 on your computer may be in Live mode. When you are controlling the LED strip with mBlock 5 in Live mode on your computer, you need to switch to the Upload mode or exit mBlock 5 after switching to Upload mode before you can control the LED strip with your Makeblock and mBlock apps.

3. Why is the color effect of the LED strip/string different from the settings?

You may have selected the wrong program. You can refer to step 6 of "Connect xLight N1 to mBlock 5" for how to select the program.

4. For more FAQs, visit <https://support.makeblock.com>