Product Overview

Thank you for purchasing the TL90C multifunctional stick light!

The TL90C stick light is an innovative product that offers a good selection of colors and over 25 special effects, including 18 scene effects and 7 pixel effects. The device can be easily controlled via APP, directly through the control panel, 2.4G, and DMX professional lighting control, catering to the needs of both professional and amateur users. Whether you're an experienced user or a novice, you can easily adjust the lighting to your preference using any of the multiple control methods available. With its versatility and user-friendly design, the TL90C stick light is a must-have tool for any lighting enthusiast.

Package Contents



TL90C Stick Light ×1



Charger ×1



Power Cord ×1



Steel Wire ×2



Power Supply Clamp ×2

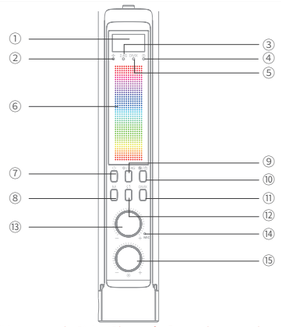


DMX Cable ×1



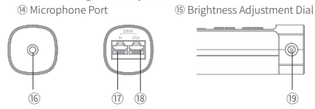
Storage Bag ×1

Product Illustration



※ Long press the "✥/2.4G" button for 5 seconds to reset the Infinity connection.

① Screen ② Infinity Connection Indicator Light
③ 2.4G Connection Indicator Light
④ Touchpad Lock Status Indicator Light
⑤ DMX Connection Indicator Light
⑥ Color Touchpad ⑦ Power On/Off Button
⑧ Mode Switch Button ⑨ Wireless Connection Switch Button
⑩ Curve Adjustment Key/Unlock Hue Touch Bar/Lock
⑪ DMX Channel Adjustment Button
⑫ Mode Settings Switch Button
⑬ Mode Settings Value Adjustment Dial
⑭ Microphone Port ⑮ Brightness Adjustment Dial

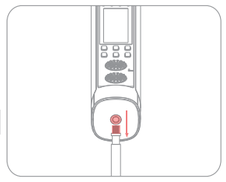


⑯ 1/4" Screw Hole ⑰ DMX Input Socket
⑱ DMX Output Socket ⑲ Power Input Socket

EN

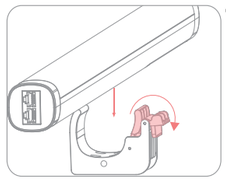
Installation

1. Installing on a stand

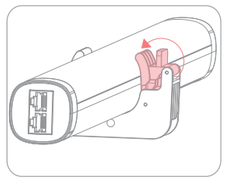


Twist the 1/4" threaded screw located on the top of the stand into the 1/4" screw hole found at the bottom of the light.

2. Installing with the power supply clamp

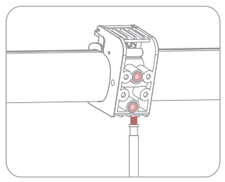


① To insert the light body into the supporting bracket, first open the latch by pulling it outward in the direction of the arrow.



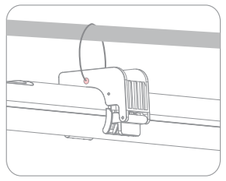
② Reposition the latch of the support bracket inward (in the direction of the arrow) to secure the light body.

Installation



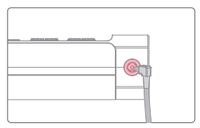
③ Take the 1/4" screw bolt located at the top of the stand and insert it into the screw hole situated at the bottom of the power supply clamp. Secure the bolt by twisting it into place.

3. Using the steel wire



Adapt the use of the steel wire to your specific needs when using the light.

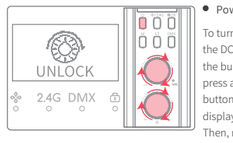
How to Use



- Charging

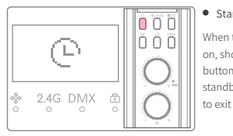
To begin charging, connect the power cord to the DC socket. While charging, the screen will display a charging icon "▮▮▮▮" to indicate the progress of the charging process. Once the battery is fully charged, the screen will display a full battery icon and remain on.

How to Use



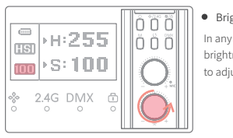
- Powering On/Off

To turn the light on using the DC power supply or the built-in lithium battery, press and hold the "⏻" button for 1 second. The display will show "UNLOCK". Then, rotate any knob three times to activate the light. While the light is powered on, press and hold the "⏻" button for 1 second to switch off the light.



- Standby

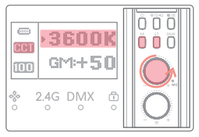
When the light is powered on, short press the ON/OFF button "⏻" to enter standby mode. Press again to exit this mode.



- Brightness Adjustment

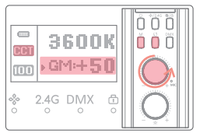
In any mode, rotate the brightness adjustment knob to adjust the brightness.

How to Use



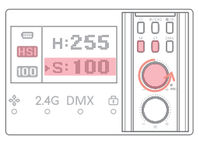
- Color Temperature Adjustment

Short press the "M" button until the screen displays "CCT" to switch to color temperature mode. Short press the "ᔑ ᔕ" button until the screen selects the "00K" option, then rotate the settings value adjustment knob to set the color temperature value.



- Red/Green Compensation Adjustment

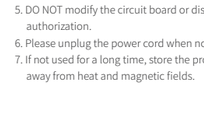
Short press the "M" button until the screen displays "CCT" to switch to color temperature mode. Short press the "ᔑ ᔕ" button until the screen selects the "GM" option, then rotate the setting value adjustment.



- Saturation Adjustment

Short press the "M" button until the screen displays "HSI" and switches to HSI mode. Then, short press the "ᔑ ᔕ" button until the "S" option is selected on the screen. Finally, rotate the settings value adjustment dial to set the saturation.

How to Use

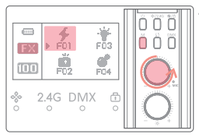


- Hue Adjustment (with touch panel)

Short press the "◪/🔒" button in any mode, and the "🔒" indicator light will not light up. Then, adjust the hue by sliding your finger on the touch panel. Short press the "◪/🔒" button again, and the "🔒" indicator light will light up. The touch panel is now locked and disabled.

- Hue Adjustment (with button)

Short press the "M" button until the screen displays "HSI" and switches to RGB mode. Then, short press the "ᔑ ᔕ" button until the "H" option is selected on the screen. Finally, rotate the settings value adjustment dial to set the hue.



- Scene Adjustment

Short press the "M" button until the screen displays "FX" and switches to scene mode. Then, rotate the settings value adjustment dial until the screen switches to a different scene.

How to Use

Scene modes

Lightning	Paparazzi	Defective bulb	Explosion	Welding	CCT Flash
Hue flash	CCT Pulse	HUE Pulse	Cop car	Candlelight	HUE loop
CCT loop	INT loop	TV screen	Fireworks	Party	Music

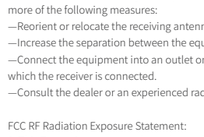
- Pixel Effect Adjustment

Short press the "M" button until the screen displays "PIXEL" and switches to pixel effect mode. Then, short press the "ᔑ ᔕ" button or rotate the settings value adjustment dial until the desired effect is displayed on the screen.

※In pixel effect mode, you can scan the QR code to download the app and adjust the specific setting for the selected effect.

Color Replacement	Color Wheel Rotation	Single Color Movement	Dual Color Movement
Three-Color Movement	Rainbow Color	Point Flame Control	

How to Use

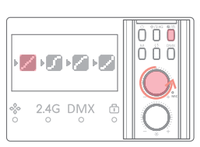


- RGBCW Mode

Short press the "M" button until the screen displays "RGBCW"and switches to RGBCW mode. Then, short press the "ᔑ ᔕ" button until the setting is selected on the screen. Finally, rotate the value adjustment dial to set.

- Gel Adjustment

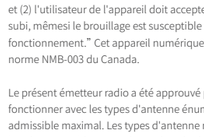
Short press the "M" button until the screen displays "GEL" and switches to gel mode. Then, short press the "ᔑ ᔕ" button until the setting is selected on the screen. Finally, rotate the dial to set the value.



- Curve Adjustment

Long press the "◪/🔒" button until the screen displays the curve adjustment interface, then use the settings dial to adjust the curve.

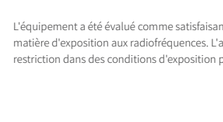
How to Use



- XY Coordinate Mode

Short press the "M" button until the screen switches to XY coordinate mode. Short press the "ᔑ ᔕ" button to select the XY decimal point option, then use the settings dial to set the value.

※XY Value Range (0.0001~0.8000).



- DMX Connection (Connected to a console)

When the light stick is connected to a console, the " DMX" indicator lights up, indicating that it is in DMX mode. Rotate the settings value adjustment dial to adjust the DMX channel.

- DMX Channel Adjustment (Not connected to a console)

When connected to Infinity or 2.4G, short press the "DMX" button to enter the DMX channel adjustment interface. Then, rotate the settings value adjustment dial to configure the DMX channel.

※Short press the "DMX" or "M" button to exit the DMX adjustment interface.

How to Use

Channel Selection

When the channel number of DMX console and that of DMX control box are the same, you can use the console to adjust various functions. This is suitable for one light or multiple light connection.

* In DMX mode, the channel number is 1 by default.
* In DMX mode, the channel range can be set to 1-512.
* After the DMX signal is lost, the last signal will be remembered and can be used to control the lights.

DMX Console Control

※ In DMX mode, please refer to the TL90 RGB DMX Channel Table" in the appendix for relevant control schemes.

1. Connect the DMX cable to the light.
2. Connect the XLR to RJ45 adapter cable to the DMX cable.
3. Connect the DMX standard console to the light.

※The XLR to RJ45 adapter cable and DMX console are not included in the package.

How to Use

To ensure compatibility with the lights, please check the DMX interface definition of the XLR to RJ45 adapter cable before purchase,as shown in the diagram.

PIN1: Data (+)
PIN2: Data (-)
PIN7: Ground
PIN8: Ground

- Connecting via 2.4G

Short press the "✥/2.4G" button until the indicator light "2.4G" lights up to enter the 2.4G connection mode. Press and hold the "✥/2.4G" button for 1 second until the screen displays "CH", then rotate the settings value adjustment dial to set the channel value.

※In 2.4G mode, you can set multiple LED lights to the same channel (CH8 for example) . When you adjust one LED light, the other lights sharing the same channel will also change in sync.

- Connectng via the Infinity Connection Mode

Short press the "✥/2.4G" button until the indicator light "✥" lights up to enter Infinity connection mode. If you want to control the device via your phone, you need to connect the device from the "NEEWER" APP. For further guidance, please scan the QR code on the APP prompt card and refer to the "APP Guide" page.

※Before connecting via the APP, please reset the Infinity connection. To do so, simply press and hold the middle button on the dial "✥/2.4G" for 5 seconds.

Battery warning

1. Do not attempt to detach, modify, and repair the battery by yourself. Any unauthorized operation may cause battery leakage, overheating, burning, and other hazards.
2. Be sure to use the provided or certified chargers to prevent over charging and shortcuts.
3. If unusual charging speed and indicator flashing occur, please stop charging and contact our customer service immediately.
4. Keep away from inflammable and explosive items.

Important Notes

1. DO NOT place the product in an environment with a temperature higher than 40°C.
2. DO NOT drop the product on the ground, subject it to collisions, or strong impact.
3. DO NOT stare directly at the light when using it, as direct light can cause visual impairment.
4. DO NOT use the product in a dusty or humid environment.
5. DO NOT modify the circuit board or disassemble the product without authorization.
6. Please unplug the power cord when not in use.
7. If not used for a long time, store the product in a well-ventilated, dry area, away from heat and magnetic fields.

Specifications

Model	TL90C
Rated Power	30W
Color Rendering Index (CRI)	97
TLCI	98
Maximum Illuminance	6500K@0.5M(1650Lux)
Color Temperature Adjustment	2500K~10000K
Brightness Adjustment	0%-100% (in increments of 1%)
Color Tone Adjustment	0~360°
Saturation Adjustment	0~100
Red/Green Compensation Range	-50~+50
Number of Scenes	18 Types
R/G/B/C/W	0~255
Pixel Effects	7 Types
Color Gels	RESCO (20 color gels), LEE (20 color gels)
Power Supply	DC Power/Lithium Battery
Built-in Battery	10.8V/6000mAh/64.8Wh
Battery Life	Approx. 2 hours at 100% brightness
Control Methods	APP, Control Panel, 2.4G, DMX Control
Charging Time	Approx. 2.5 hours
DC Input	DC 20V/3.6A
Operating Temperature	-10°C~40°C

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

CAUTION: The user is cautioned that 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.

FCC RF Radiation Exposure Statement:
1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

IC Warning Statements

- English Warning Statement

"This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device." The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

This radio transmitter has been approved by Industry Canada to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

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

- French Warning Statement

"Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, mêmesi le brouillage est susceptible d'en compromettre le fonctionnement." Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Le présent émetteur radio a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

L'équipement a été évalué comme satisfaisant aux exigences générales en matière d'exposition aux radiofréquences. L'appareil peut être utilisé sans restriction dans des conditions d'exposition portatives.