Safety notes

To ensure your safety and that of others, please ensure you read the following safety advice before using this product. Please pay attention to the precautions highlighted in the manual. The product should be checked prior to use and not used if damaged.



Do not place flammable materials near the constant video light



Do not use in the rain, a humid environment, or other adverse weather conditions.



Please use a blower brush or clean cloth to remove dust and moisture.



Keep the working environment clear of cables . Keep this product out of reach of children and pets.



Do not expose the product to direct sunlight for long periods of time. The product should not be stored in direct sunlight.



Please turn off and remove the power supply before maintenance, and installing or removing accessories.



Do not cover the ventilation holes at any time.



Do not use chemicals or liquids to clean the lamp. Do not immerse any part of the device in liquid.



Do not attempt to disassemble or repair the device.



The constant video light will heat up during use. Do not touch with your hands.

Overview

EN

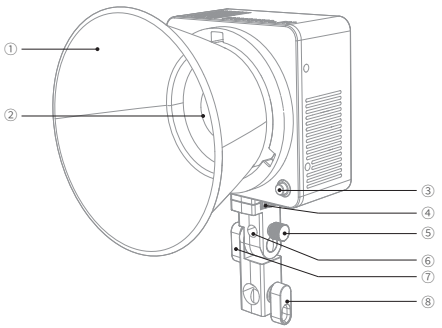
The latest NEEWER HB80B is a bi-color LED continuous video light with an integrated 72Wh li-ion battery. It features a full-spectrum light source for powerful output and a compact, elegant design for effortless transportation.

Whether shooting indoors and out, HB80B always delivers reliable and superior illumination. The multiple light modes will match your requirements whatever the setup, and its ergonomic controls make operation simple and intuitive.

Powered by PD chargers or its integrated battery, the HB80B offers extended periods of illumination wherever you are. Its Bowens mount ensures seamless compatibility with a wide range of light modifiers.

The bi-directional USB-C port, supported by the advanced battery management system (BMS), charges your mobile devices when needed. An perfect fit for photography and videography, HB80B entices you into a world full of creativity.

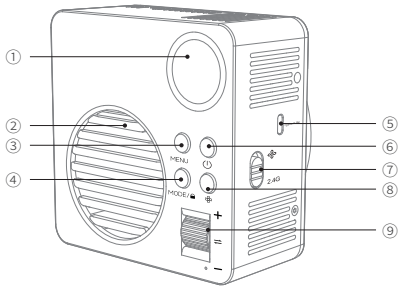
Product Illustration



① Standard Reflector
② LEDs
③ Reflector Lock
④ Support Locking Knob
⑤ Umbrella Locking Knob
⑥ Umbrella Socket
⑦ Tilting Adjustment Knob
⑧ Stand Mount Locking Knob

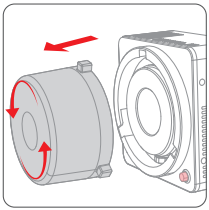
Product Illustration

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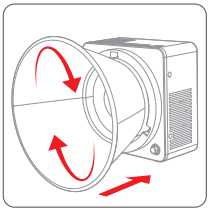


① LCD Panel
② Fan
③ Short Press: Enter Menu
④ Short-Press: Switch Modes; Long-Press: Lock Buttons
⑤ USB Type-C Port
⑥ Long-Press: Power On/Off
⑦ Infinity/2.4G Switch
⑧ Short Press: Select Fan Modes
⑨ Short Press: Select Parameters; Scroll: Adjust Parameters

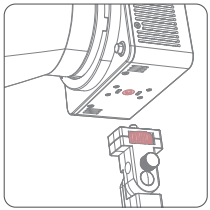
Installation Instructions



① Press the protective cover release button and rotate the cover counterclockwise until its tabs align with the mounting slots. Then, remove the protective cover.

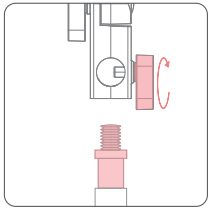


② Align the three metal tabs of the reflector with the three gaps on the front of the studio light, push the reflector inwards, and rotate it clockwise until it is securely locked.

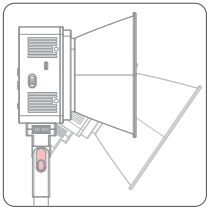


③ Attach the support mount to the studio light and secure it by rotating the knob.

Installation Instructions

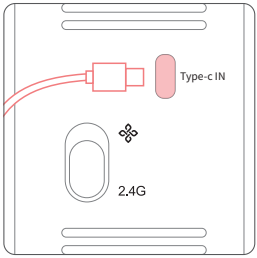


④ Insert the adapter base onto the light stand and tighten the fixing knob.



⑤ Adjust the lighting angle of the studio light by rotating the angle adjustment knob.

How to Use



- **Power Supply**

Use a Type-C cable to charge the LED light.

※ Supports use while charging.

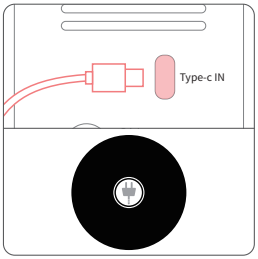
※ Recommended to use a PD adapter of 100W or above.

How to Use

When powered on:

Adapter	Mode	Long-duration Use
PD100W	Booster mode, normal mode, silent mode, charging	YES
PD65W	Normal mode, silent mode, charging	NO
⩽PD45	Normal mode, silent mode	NO

Charging without power on:
Supports most chargers on the market

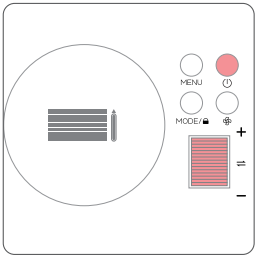


- Discharge

Using a Type-C cable to power other electrical products.

The " " symbol appears on the screen to indicate the cable is drawing power from the device.

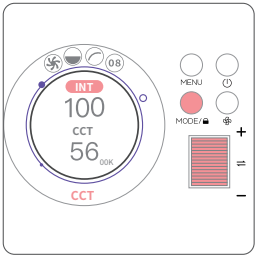
How to Use



- Powering On/Off

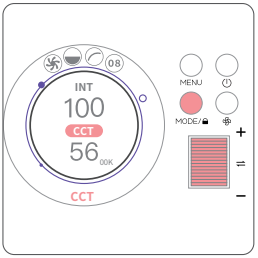
Long press " " button until the scroll icon appears on the screen, then scroll up the "**+ -**" dial to power on.

Long press " " button to power off.



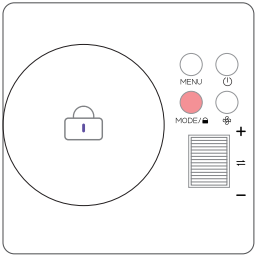
- Brightness Adjustment

Short press the **MODE** button, select any mode, then press the " " button to select the "**INT**" option, and adjust the brightness value by rotating the "**+ -**" wheel.



- Color Temperature Adjustment

Short press the **MODE** button to select **CCT** mode, then press the " ⇌ " button to select the "**CCT**" option, and adjust the color temperature value by rotating the "**+ -**" wheel.

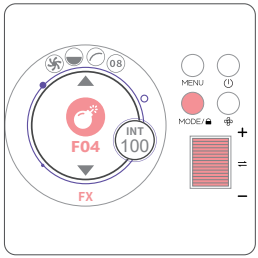


- Control Panel Lock

Long press " 🔒 " to lock or unlock the buttons on the control panel.

How to Use

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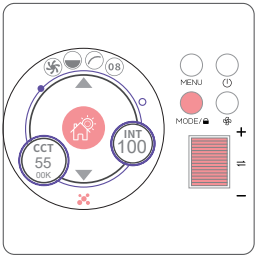


- Special Effect Adjustment

Short press the **MODE** button to select **FX** mode, then press the " ⇌ " button to select the desired scene, and adjust the special effects by rotating the "**+ -**" wheel.

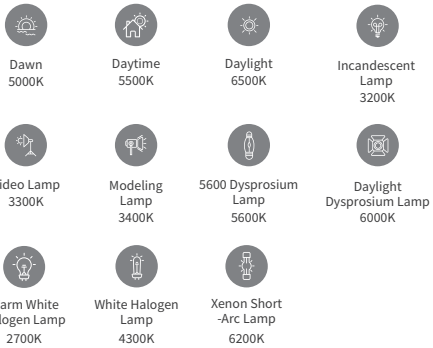
Available Lighting Effects

F01	Lightning	F02	Paparazzi	F03	Defective bulb	F04	Explosion
F05	Welding	F06	CCT Flash	F07	CCT Pulse	F08	Candlelight
F09	CCT loop	F10	INT loop	F11	TV screen	F12	Fireworks
F13	Music						



• Light Source Mode

Short press the **MODE** button to select the " " mode, then press the " " button to select the light source adjustment option, and adjust the light source by rotating the "**+ -**" wheel.

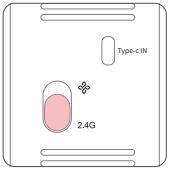


How to Use

• Menu

Icon	Function	Setting	Description
P	45W		Current power
i	V1.0.0		Current software version
	RESET ALL SETTINGS	YES	Restore factory settings
		NO	
	INFINITY RESET	YES	Infinity Reset
		NO	
CH	◄ 99 ►	1~99	Channel settings
	◄ ►	／	Linear dimming curve
		∫	S-curve dimming curve
		⌒	Logarithmic dimming curve
		⌣	Exponential dimming curve
	External Discharge	ON	Enable External Discharge Function
		OFF	Disable External Discharge Function

● 2.4G Mode



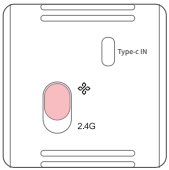


① Flip " 2.4G " switch down for 2.4G mode.

② Short press the **MENU** button to enter the menu, rotate " **+ -** " wheel to select **CH**, press " ⇄ " to enter the sub menu, rotate " **+ -** " wheel to select from CH00 to CH99, then press " ⇄ " to confirm and exit.

③ In 2.4G mode, if multiple LED lights are set to the same channel (e.g., CH88), adjusting one light will automatically sync the others on that channel.

● Infinity Mode



① Flip " 2.4G " switch up for INFINITY mode.

② Use the NEEWER app to control the LED light via Bluetooth. For specific instructions, please scan the QR code on the "APP Guide Page" for more information.

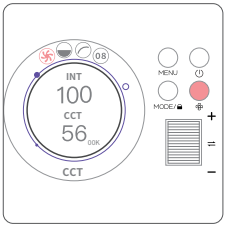
※ Before connecting the app, please reset the Infinity function on the device. Short press the **MENU** button to enter the menu, rotate " **+ -** " wheel to select INFINITY RESET to reset the Infinity connection.

● Dimming Curve





Press the **MENU** button to open the menu, rotate the "**+ -**" wheel to select " ", then press " ⇄ " to enter the submenu. Use the "**+ -**" wheel to choose between S-curve, Log curve, Exp curve, or Linear curve, then press " ⇄ " to confirm and exit.



- Heat Dissipation Mode

Short press " " to switch between silent mode, normal mode, and booster mode.

※ For the booster mode, please use a PD100W charger.

Heat dissipation mode	Display symbols	Maximum power
Silent mode		45W
Normal mode		65W
Booster mode		80W

- Disable External Discharge Function

When external discharge occurs upon connecting a power bank, disable the external discharge function in the menu to charge the light.



- Warning Prompts

Overcharge protection	Insufficient power
HVP Overvoltage protection	LVP Undervoltage protection
Fan abnormality	NTC NTC abnormality
OTP Over-temperature protection	

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 overcharging 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.

Notes

1. Avoid dropping, or subjecting the product to strong physical impact.
2. Do not look directly at the light when in use, to prevent damage to eyesight.
3. Keep the product away from flammable or explosive materials.
4. Avoid using the product in rainy or humid environments.
5. Do not touch the product with wet hands.
6. Remember to turn off the power when not in use.
7. Store the product in a well ventilated, dry area, away from heat sources and magnetic fields, if not in use for a long time.

Specifications

Model	HB80B
Input	PD3.0: 5V/3A, 9V/3A, 12V/3A 15V/3A. 20V/3.25A, 20V/5A
Output	PD3.0:5V/3A, 9V/3A, 12V/3A 15V/3A, 20V/3.25A
Built in battery	14.4V, 5000mAh, 72Wh
Charging time	120min
Battery life	Normal mode: 74 minutes Silent mode: 94 minutes
Power	Booster mode: 80W / Normal mode: 60W / Silent mode: 45W
Lighting mode	CCT/SOURCE/FX
Color rendering index	CRI ⩾95，TLCI ⩾97
Brightness range	0~100
Color temperature range	2700K~6500K
Special effects	13
Light source	11
Frequency Range	2402MHz-2480MHz
Maximum radio-frequency power	0.95dBM

Illuminance:

Color Temperature	Distance	Unmodified Light (Boost Mode)	Standard Reflector (Boost Mode)	Unmodified Light (Constant Power Mode)	Standard Reflector (Constant Power Mode)
2700K	0.5m	9260 Lx	86400 Lx	6770 Lx	63400 Lx
	1m	2320 Lx	19700 Lx	1680 Lx	14300 Lx
3200K	0.5m	10700 Lx	99200Lx	7810 Lx	73000Lx
	1m	2680 Lx	22600 Lx	1950 Lx	16500 Lx
4400K	0.5m	12200 Lx	112000 Lx	9260 Lx	85700 Lx
	1m	3040 Lx	25400 Lx	2300 Lx	19300 Lx
5600K	0.5m	12300 Lx	114000 Lx	9140 Lx	84400 Lx
	1m	3070 Lx	25500 Lx	2270 Lx	18900 Lx
6500K	0.5m	12000 Lx	110000 Lx	8860 Lx	81300 Lx
	1m	3010 Lx	25100 Lx	2220 Lx	18500 Lx

※ The HB80B light isn't supplied with a snoot