

MONTEER 12000 MOUNTAIN BIKE LIGHT

FIRED UP FOR CHALLENGES

MAX OUTPUT	MAX THROW	MAX RUNTIME
		
12000 lumens	360 meters	121 hours



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MARKET APPLICATIONS

- Downhill
- Mountain biking
- Trail crossing
- Road cycling
- Urban commuting

DESCRIPTION

The new MONTEER 12000 is our most powerful bicycle light to date, designed specifically for MTB, trail crossing, road racing, and urban commuting. Equipped with two separate optical systems housing a total of five top LEDs, it emits an astonishing 12,000 lumens that will propel your bike through even the most demanding trails.

No matter how extreme the environment, the best-in-class MONTEER 12000 ensures optimal visibility by offering two distinct beam options that illuminate your surroundings and reveal every detail along your journey. The floodlight beam is precisely calibrated with a cut-off line plus an adjustable light head, enabling you to navigate urban traffic safely without blinding oncoming road users. Once you hit the trails, the specially-designed spotlight beam with four lens angles provides expansive coverage and an impressive range of up to 360 meters, enhancing visibility of signs and overhanging branches. By connecting the light to the MAGICSHINE App, you can personalize lighting preferences, add new modes, and adjust brightness levels to match your specific requirements.

The MONTEER 12000 stands out for its exceptional heat management capabilities, ensuring optimal performance throughout its entire runtime. It incorporates an innovative physical air duct cooling system, an internal thermal management system, and large-area cooling fins to dissipate heat effectively. With its powerful 14.4V 10,000mAh battery pack, the MONTEER 12000 boasts an impressive runtime of 121 hours. Additionally, the integrated USB-C port supports 60W fast input and output, enabling you to conveniently recharge the battery or power your computer, smartphone, and other devices while on the go. Both the light unit and the battery pack, as well as the remote, feature easy-to-read indicators, providing you with real-time battery status updates.

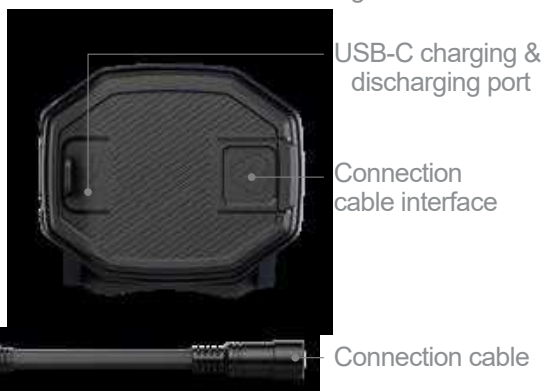
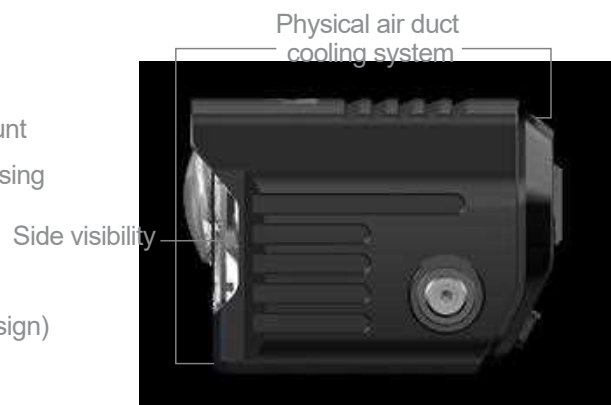
The light unit of the MONTEER 12000 features a large switch button, allowing for effortless and precise operation, even when wearing gloves. With the wireless remote control, you can conveniently switch between modes and adjust brightness levels while on the go. A single click enables you to quickly jump to full output mode, providing an incredibly powerful beam capable of illuminating even the densest undergrowth, ensuring optimal visibility during fast rides and in challenging situations. The one-piece seamless aluminum housing not only adds to the light's stunning appearance but also enhances its durability and sturdiness. With an IPX6 waterproof rating, the MONTEER 12000 effortlessly withstands exposure to the elements. Mounting the light is hassle-free, thanks to the two-sided handlebar mount and helmet mount included in the package. These mounting options ensure secure attachment, even during rough and bumpy night rides.

For long distance riding on rugged terrain or cruising down busy city streets, the best-in-class MONTEER 12000 never fails.

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MAGICSHINE®



FEATURES

- Five high-power LEDs provide a tremendous 12,000 lumens.
- Two different beam types create a perfectly illuminated image tailored for road and MTB rides.
- Customize lighting settings for different cycling scenarios through the APP.
- Wireless remote control allows for simple and accurate operation and jumps to full output mode with one click.
- Physical air duct cooling system, internal thermal management, plus cooling fins for maximized performance.
- Flagship 14.4V 10,000mAh battery pack, ensuring 121 hours of runtime.
- USB-C charging and discharging integrated interface for 60W fast output.
- Easy-to-read power indicator on the light unit, battery pack, and even the remote.
- Tool-free adjustable light head to prevent temporarily blinding oncoming road users.
- Two-sided handlebar mount and helmet mount keep your light securely in place.
- Robust aluminum housing reliably protects the light from shocks, dust, and water.
- IPX6 waterproof rating, heavily rain resistant.

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OPERATING INSTRUCTIONS

SWITCH

A switch on the light unit and a wireless remote control all modes and brightness.

ON/OFF

Press and hold the switch to turn the light on/off.

ADJUST BRIGHTNESS

When the light is on, click the switch to change brightness level. The output brightness will cycle through ECO→Low→Medium→High→ECO...

MODE SELECTION

Double click the switch to change between floodlight mode and spotlight mode.

(Note: Flash mode can only be accessed through the remote control.)

WIRELESS REMOTE CONTROL

- Pairing: Turn on the light, press and hold the "○" "□" buttons on the remote for about 10 seconds until the indicator alternately flashes blue to enter pairing mode. Then, close the remote to the headlight until the indicators on the remote and light unit are constantly blue for 2 seconds, confirming a successful pairing.
- On/Off: Press and hold the "○"/"□" button for 1 second
- Adjust brightness: Click the "○" button
- Change mode: Double click the "○" button
- Flash mode: Double click the "□" button
- Full output mode (12000LM): Click the "□" button to go into full output mode and click the "○"/"□" button to return to the previous mode.

CONNECT WITH THE APP

- iOS users scan the QR code of the manual, and Android users go to the MAGICSHINE website "www.magicshine.com" (SUPPORT>User Manual>App Download for Android) to download the APP using your smartphone.
- Turn on the Bluetooth of your smartphone and open the APP, click "Add New Devices" and find "M2-B0". Click "Add", then click "Connect the device" .

APP SETTINGS

- Click "Add" at the bottom to enter the "Device Settings" interface.
 - Click "Mode 1" or "Mode 2"; you can customize "Constant mode," "SOS," "Slow flash," and "Quick flash," as well as their corresponding brightness.
 - Up to 20 customized modes are supported.
- *When you delete all customized modes in the APP, the light will return to the factory default mode.

POWER INDICATOR

- When the light is on, the indicator on the light unit and battery pack displays the remaining battery level in real-time. When the light is off, click the button on the light unit or battery pack to display the remaining battery level. Four LEDs constant green: 100%-76%, Three LEDs constant green: 75%-51%, Two LEDs constant green: 50%-26%, One LED constant green: 25%-11%, One LED flashing red: 10%-1%
- Press the "○"/"□" button on the remote to display the remaining battery level of the battery pack. GREEN: 100%-26%, RED: 25%-11%, FLASHING RED: 10%-1%

BATTERY PACK SPECIFICATIONS

Model: MJ-6398

Capacity: 10000mAh/14.4V (144Wh)

DC Output: DC 11.2V-16.8V 10A (Max)

USB-C Input/Output: 5V/3A, 9V/3A, 12V/3A 20V/3A 60W (Max)

PD+E-mark: 5V/5A, 9V/5A, 12V/5A, 20V/5A 100W (Max)

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OUTPUT TABLE

MODE	FLOODLIGHT				SPOTLIGHT				FLASH	
	ECO	LOW	MEDIUM	HIGH	ECO	LOW	MEDIUM	HIGH	DAY FLASH	NIGHT FLASH
LUMENS	300LM	800LM	1500LM	2500LM	1000LM	3000LM	6000LM	12000LM	0/3000LM	800/3000LM
h:min	85:00	35:00	19:00	10:00	37:00	11:30	07:00	02:30	121:00	33:00

*All data are measured in accordance with ANSI/NEMA FL 1-2009. The test was conducted at a temperature of 25°C and a wind speed of 25 km/h. Runtime may vary depending on external temperature and ventilation conditions, and these deviations may affect the result of testing.

LIGHT SOURCE

H8-B-3C-HFJ-FC *1
SST-70-WCS-H50-LA *4

BATTERY SOURCE

14.4V/10,000mAh (144Wh)

BODY MATERIAL

Aluminum alloy

WARRANTY

2 year warranty for light unit
1 year for battery pack

DIMENSIONS

Length: 5.00 in / 127 mm
Width: 4.09 in / 104 mm
Height: 1.81 in / 46 mm
Weight: 10.44 oz / 296 g (light unit and handlebar mount)
31.61 oz / 896 g (battery pack)
42.05 oz / 1192 g (light unit, handlebar mount and battery pack)

LENS/REFLECTOR TYPE

TIR optical lens

CHARGING TIME

3 hours (20V 3A)
10 hours (12V 3A)
11.5 hours (9V 3A)
16.5 hours (5V 2A)

IN THE BOX

MONTEER 12000 (incl. strap) *1
MJ-6398 battery pack (incl. strap) *1
MJ-6508 remote control (incl. strap) *1
Helmet mount (incl. strap) *1
Two-sided handlebar mount *1
3mm hex key *1
Extension cable *1
USB-C charging cable *1
User manual *1

WATERPROOF IPX6



DROP TEST



COMPLIANCE



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MADE IN CHINA

Note: There are slight differences between the picture and the real item caused by light color temperature. All the pictures are for reference only.