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LEXON LH87 Portable LED Lamp with Color Sync Instruction Manual

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LEXON LH87 Portable LED Lamp with Color Sync

Product Information

Specifications

- Product Name: LH87 Luma M
- Designers: Manuela Simonelli & Andrea Quaglio
- Touch area (Lighting function)
- Lamp
- BT Button (the connection between Luma M lamps)
- Reset key
- Receiver for wireless charging
- LED indicator (battery & charging status)
- USB Type-C charging port

Product Overview
The LH87 Luma M is a versatile lamp designed by Manuela Simonelli & Andrea Quaglio. It features a touch area for lighting control, a lamp, a BT button for interconnecting multiple Luma M lamps, a reset key, a receiver for wireless charging, an LED indicator for battery and charging status, and a USB Type-C charging port.

Included in the Box

- 1x Luma M lamp
- 1x USB Type-C charging cable
- 1x User manual

Charging
Before using the Luma M for the first time, it is recommended to fully charge the battery. The initial full charge takes approximately 3 hours via USB charging and 4 hours via wireless charging.

LED Information

Operation mode	Charging	In use	Fully charged
LED status (Red LED)	LED indicator remains ON	LED indicator remains OFF	LED indicator remains OFF

Charge with USB Cable

1. Plug the provided USB Type-C cable into the charging port of the Luma M lamp.
2. Plug the USB end of the cable into any computer or DC 5V power supply charger.

Charge with Wireless Charger

The Luma M lamp has a built-in wireless charging receiver. To charge the battery using a wireless charger:

1. Place the Luma M lamp at the center of the wireless charger.
2. Disconnect the device once the battery has been fully charged.

Operating Instructions

Setting up One Luma M Lamp
To set the Luma M lamp in cool and warm light mode only, quickly tap 3 times on the top area. To return to full set lighting mode, repeat the procedure.

Pairing Several Luma M Lamps (Interconnection Network)
To pair one or multiple Luma M lamps and enjoy the multiple bulbs synchronization feature, follow these instructions:

1. Press and hold the BT button at the bottom of each lamp for 3 seconds to turn on the communication module. The Blue LED will start flashing.
2. Select one of the lamps and press the BT button twice to initiate the multi-pairing procedure. Once the procedure is complete, all lamps will be on the same color setting. The lamp used for connection is identified as the MASTER in the system, and its LED will keep flashing while others are turned off.
3. You can now interact from any lamp to change the color, adjustbrightness, or turn on and off all lamps at once.

Add One or More Luma M Lamps to the Network

1. To add one or more Luma M lamps to the network, simply turn them on by pressing and holding the BT button on each unit for 3 seconds.
2. Press once on the pairing button of any lamp from the existing network (repeat the procedure with any new device).

Exclusive LOCK NETWORK Feature

The Luma M lamp is equipped with a unique locking system that allows only one lamp to control all others, preventing any change of color, brightness, or turning on/off from any other lamp in the network. The main lamp (MASTER) is the only one that can control the network. All other lamps become SLAVES.
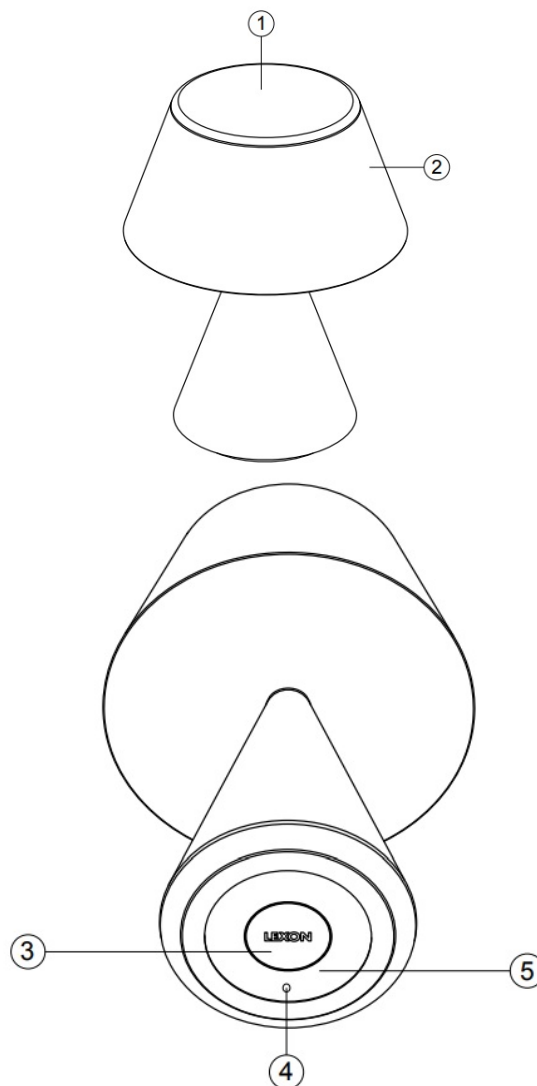
1. To enable the LOCK function, take the MASTER unit and follow these instructions:
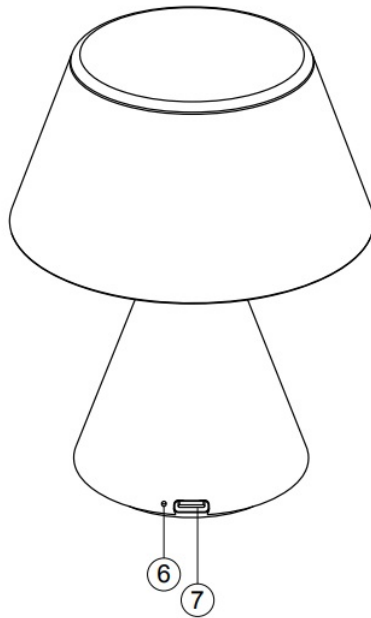
2. Press 5 times on the BT MASTER device button to send a signal to all other lamps to lock.
3. In LOCK mode, only the MASTER lamp can interact with other lamps. Its LED will double flash every 3 seconds.
4. The network can be unlocked by quickly pressing 5 times on the BT button from the MASTER lamp.

IN THE BOX

- 1x Luma M
- 1x USB Type-C charging cable
- 1x User manual

PRODUCT OVERVIEW

1. Touch area (Lighting function)

2. Lamp

3. BT Button (connection between Luma M lamps)

4. Reset key

5. Receiver for wireless charging

6. LED indicator (battery & charging status)

7. USB Type-C charging port

FEATURES

- LED technology with 9 colors (warm white, cold white, blue, yellow, green, red, purple, light pink & light blue)
- Dimmable LED lights with memory system
- Interconnectable LED lamp (Bluetooth mesh network)
- Suitable for outdoor use (IPX4)
- Rechargeable via wireless charging or USB Type-C

CHARGING
We recommend you to fully charge the battery before using Luma M for the first time. The initial full charge should take approximately 3 hours via USB charging and 4 hours via wireless charging.

LED information

Operation mode	LED status (Red LED)
Charging	LED indicator remains ON
In use	LED indicator remains OFF
Fully charged	LED indicator remains OFF

Charge with USB cable

1. Plug the provided USB Type-C cable into the charging port of Luma M.
2. Plug the USB end of the cable into any computer or any DC 5V power supply charger.

Charge with a Wireless Charger
Luma M has a built-in wireless charging receiver. You can charge the battery by using a wireless charger.

1. Place Luma M at the center of the wireless charger.
2. Disconnect the device once the battery has been fully charged

OPERATING INSTRUCTIONS

Setting up one Luma M lamp

- Touch the top of the lamp to turn it ON.
- There are 9 colors options you can select by simply touching the top of the lamp.
- To adjust brightness, touch the top area until you reached the desired brightness then release.
- To turn OFF the light, wait 3 seconds after the color selection then touch again. The last color set will be remembered for next time.

Note: If you want to set Luma M in cool and warm light mode only, quickly tap 3 times on the top area. To return to full set lighting mode, repeat the procedure.

Pairing several Luma M lamps (Interconnection network)
Pairing Luma M with one or multiple Luma M lamps does not require any third-party software/device.

To enjoy the multiple bulbs synchronization feature, follow below instructions:

1. Press and hold the BT button at the bottom of each lamp for 3 seconds to turn ON the communication module. The Blue LED will start flashing.
2. Select one of the lamps and press the BT button twice to initiate the multi-pairing procedure. Once procedure is complete, all lamps will be on the same color setting. The lamp used for connection is now identified a MASTER in the system, its LED will keep flashing while others are turned OFF

You can now interact from any lamp the change the color, adjust brightness or turn ON & OFF all lamps at once.

Important note: Bluetooth will automatically turn off after the lamp has been off for 60 minutes. If you enable Bluetooth® on one of your lamps to connect it to the network, but do not complete the pairing, the lamp's Bluetooth mode will turn off after 3 minutes automatically

Add one or more Luma M lamps to the network

1. To add one or more Luma M lamps to the network, simply to it (them) ON by pressing and holding the BT button on each unit for 3 seconds.
2. Press once on the pairing button of any lamp from the existing network (repeat the procedure with any new device).

Exclusive LOCK NETWORK feature

Luma M is equipped with a unique locking system allowing only One lamp to control all others, preventing any change of color, brightness or even turn ON/OFF to be made from any other lamp in the network. The main lamp (MASTER) is the only one to control the network. All other lamps are becoming SLAVES.

To enable LOCK function, take the MASTER units and follow below instructions:

1. Press 5 times on the BT MASTER device button, it will send signal to ALL other lamps to LOCK.
2. In LOCK mode, only MASTER interact with other lamps. Its LED is double flashing every 3 seconds.
3. Network can be unlocked by quickly pressing 5 times on the BT button from the MASTER lamp

To change the MASTER device

1. Make sure the network is UNLOCKED
2. Quickly Press the BT button on any device for 10 times, this device will become the new MASTER device.

You can now LOCK and UNLOCK the network from this new device.

Important note: In LOCKED/UNLOCKED network mode, it is strongly recommended to always keep the MASTER device in charge or fully charged to get the best experience and avoid loss of control of the entire network.

Other working operations:

- To turn OFF ALL the lamps when the network is locked, double tap on the top of the MASTER device. You'll need to tap on the MASTER again to turn all lamps back ON.
- To turn OFF only one lamp when the network is locked, long press on the BT button from more than 15 seconds until the lamp turns OFF. (This will remove the lamp from the network. Repeat the pairing procedure above to bring it back to the network)
- To reset the lamp, insert a thin object into the hole (4) under the lamp and press the key inside. A manual reset allows you to reboot your device and correct miscellaneous bugs (unrecognized device, unstable Bluetooth connection…).

LED Information

Operation mode	LED status (Blue LED)
Ready to pair	Blinking quickly
Master device	Blinking twice every 3 seconds
Locked devices	Off

SAFETY PRECAUTIONS

- IPX4 water resistant device, resistant to rain, splash, and spray water.
- Never immerse your device in water to avoid internal short circuit, overheating, fire, deformation or even explosion of the battery.

- Do not store your device in very hot or cold areas. It is recommended to use your device at room temperatures.
- Do not attempt to service, repair or disassemble the device yourself.
- Make sure to respect the technical specifications for charging and never use a power adapter delivering more voltage output than the one indicated to avoid any irreversible damage to the internal circuit (DC Input: 5V)
- Do not place the Luma M case on the wireless charger when conductive materials, such as metal objects and magnets, are placed between the Luma M case and the wireless charger. Use only certified wireless chargers.

PRODUCT SPECIFICATIONS

- **Material**: Aluminium/ABS
- **Weight**: 0.34 lbs / 153 g
- **Dimensions**: Ø3.66 x 4.25″ / Ø9.3 x 10.8 cm
- **Max lumen output:** 45 lm
- **Color temperature:** 3000- 7200k
- **Warm white**: 3000-3500
- **Cold white:** 6800-7200
- **Color temperature**: 3000- 7200k
- **Battery voltage:** Normal usage time
- **Lamp ON not connected to the network:** Up to 24h (Brightness at 50%)
- **Lamp ON connected to the network:** Up to 12h (Brightness at 50%)
- **Bluetooth® range:** 10m
- **Frequency range:** 2402M-2480MHZ
- **Input port:** DC 5V
- **Wireless input:** 5W
- **Battery type**: Li-polymer
- **Battery capacity:** 900 mA
- **Charging system**: USB Type-C or Supports wireless charging
- **Charging time (wirelessly)**: approx. 4 hours
- **Operating temperature:** -10°C – +50°C
- **International warranty:** 1 year

UK CONFORMITY ASSESSMENT
The object described above is in conformity with the essential requirements and other relevant provisions of the UK Radio Equipment Regulations 2017 (SI 2017/1206). The original UK declaration of conformity may be found at: **https://www.lexon-design.com/assets/certifications-ukca-lumam.pdf**

RF Specification

- **Bluetooth**: 2402-2480 MHz
- **WPT**: 110 kHz-148 kHz (RX)
- **BT transmitter power**: 2.34dbm

DISPOSAL AND RECYCLING INFORMATION

After the implementation of the European Directive 2012/19/EU in the national legal system, the following applies:

electrical and electronic devices may not be dis-posed of with domestic waste. Consumers are obliged by law to return electrical and electronic device at the end of their service lives to the public collecting points set up for this purpose or point of sale. Details to this are defined by the national law of the respective country. This symbol on the product, the instruction manual or the package indicates that a product is subject to these regulations. By recycling, reusing the materials or other forms of utilizing old devices, you are making an important contribution to protecting our environment.

USA 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.

    Notice:

Any changes or modifications not expressly approved by the party responsible for compliance could void your 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.

RF exposure statements
This equipment complies with FCC radiation exposure requirement set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

CANADIAN COMPLIANCE STATEMENT
This device complies with Industry Canada license-exempt RSSs. 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.

This Class B digital apparatus complies with Canadian ICES-003.

RF exposure statements
This device complies with the ISED RSS-102 RF exposure requirement set forth for an uncontrolled environment and are safe for intended operation as described in this manual.

FAQ's

How long does it take to fully charge the Luma M lamp?

The initial full charge takes approximately 3 hours via USB charging and 4 hours via wireless charging.

Can I charge the Luma M lamp with a wireless charger?

Yes, the Luma M lamp has a built-in wireless charging receiver, allowing you to charge the battery using a wireless charger.

How do I set the Luma M lamp to cool and warm light mode only?

Quickly tap 3 times on the top area of the lamp to set it in cool and warm light mode. Repeat the procedure to return to full set lighting mode.

How do I pair multiple Luma M lamps?

To pair multiple Luma M lamps, press and hold the BT button at the bottom of each lamp for 3 seconds to turn on the communication module. Select one of the lamps and press the BT button twice to initiate the multi-pairing procedure. Once complete, all lamps will be on the same color setting.

How do I add additional Luma M lamps to the network?

To add additional Luma M lamps to the network, simply turn them on by pressing and holding the BT button on each unit for 3 seconds. Then, press once on the pairing button of any lamp from the existing network.

How can I enable the LOCK NETWORK feature?

To enable the LOCK NETWORK feature, press 5 times on the BT MASTER device button of the MASTER lamp. This will send a signal to all other lamps to lock. In LOCK mode, only the MASTER lamp can interact with other lamps.

Documents / Resources

LEXON LH87 Portable LED Lamp with Color Sync [pdf] Instruction Manual
LH87 Portable LED Lamp with Color Sync, LH87, Portable LED Lamp with Color Sync, LED Lamp with Color Sync, with Color Sync, Color Sync, Sync

References

- **User Manual**