

# meross

**MS130**

User Manual

## English

### ■ Safety Information

- Do not attempt to disassemble, repair, or modify the device.
- Please keep the device dry and clean.
- Please ensure to remove the batteries if you won't be using the device for an extended period.
- Please take care to avoid dropping the device from a high place.
- Please contact seller for replacement if there is any damage caused by transportation.

### ■ Works with Meross Smart Hub

**This product needs a Meross hub to work.**

| With MSH450                                                    | With MSH400 or MSH300                                    |
|----------------------------------------------------------------|----------------------------------------------------------|
| Works with Matter, Apple Home, Alexa, Google Home, SmartThings | Works with Apple Home, Alexa, Google Home, SmartThings   |
| Smartphone running iOS 16.1 or later or Android 8.1 or later   | Smartphone running iOS 13 or later or Android 8 or later |
| Existing 2.4GHz Wi-Fi network                                  | Existing 2.4GHz Wi-Fi network                            |

## ■ Package Contents



Sensor  
x1



AA Battery  
x4



User Manual  
x1



Smart Hub  
x1



USB Cable  
x1



Power Adapter  
x1



Ethernet Cable  
x1



Matter User Manual  
x1

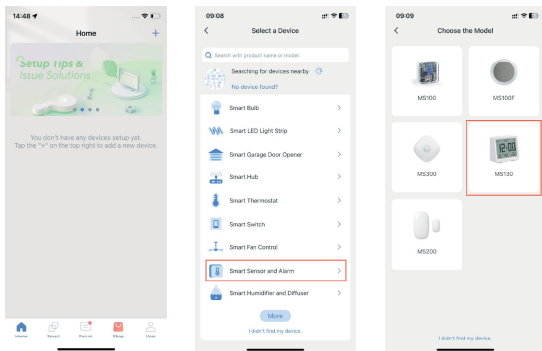
(Note: Included in MS130H only, MS130 doesn't include this hub)

## ■ Installation Guide

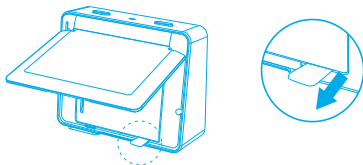
1. Download the Meross app.



2. Follow the instructions in the Meross app to complete the setup.



Note: Please remember to remove the battery insulating strip before use.



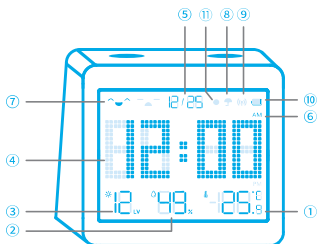
## ■ Screen/LED/Button Rules

### 1. Screen

- ① Temperature: -20~60°C / -4~140°F
- ② Relative Humidity: 1%~99%
- ③ Light Level: 1LV~18LV
- ④ Time: Displayed after initial network setup
- ⑤ Date: Displayed after initial network setup
- ⑥ AM/PM: Displayed after switching to 12-hour format
- ⑦ Suitability: Display of environmental suitability
- ⑧ Rain Gear: Displayed during rainy or snowy weather
- ⑨ Pairing: Flashing during pairing mode
- ⑩ Low Battery: Displayed when battery level is below 20%
- ⑪ Status Point:

When the device is offline: The status point remains lit.

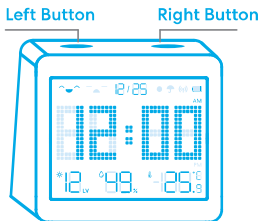
When the device is online: The status point flashes once when the "Sensor Button" is successfully triggered.



### 2. Sensor Button

#### 1) Left Button/Right Button

- a) Customizable Buttons: Linked with other Meross smart home products, configurable in the Meross APP.
  - b) Restore Factory Settings: Long press the left button for more than 15 seconds and then release it.
- #### 2) Pressing both left and right buttons simultaneously:
- a) Pairing Activation: Long press for 5 seconds.
  - b) Switching between Celsius/Fahrenheit: Short press.



### 3. Hub

#### ① Hub Status LED

**Solid amber:** Initiating/Reset/Firmware upgrading.

**Flashing amber and green:** Configuration mode.

**Flashing green:** Pairing mode/Connecting to Wi-Fi/Disconnected from Wi-Fi.

**Solid green:** Connected to Wi-Fi with an internet connection.

**Solid red:** No internet connection.

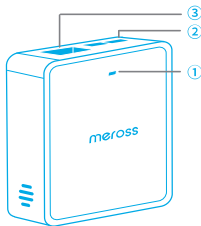
#### ② Hub Button

**Factory Reset:** Press and hold for 5 seconds.

**Initiate Sub-device Pairing:** Double-click the button.

#### ③ Ethernet Port Upon Ethernet connection, the device seamlessly prioritizes Ethernet for enhanced connectivity.

\*Prior to connecting to Ethernet for increased stability, it is recommended to first configure the device for Wi-Fi through the app's guided process and complete the pairing procedure.



## FAQs

At Meross, we strive to assure your satisfaction. Attached below is a non-exhaustive list of questions that users are mostly concerned about.

### 1. What are the two buttons on the top of the device used for, and how can they be configured?

These buttons are designed for linking with other Meross smart home products. For example, you can set it up so that when you press the left button, a specific Meross smart light bulb in the bedroom turns off. You can configure this in the Meross app. For detailed instructions, please visit:

<https://www.meross.com/en-gc/FAQ/593.html>

## **2. How do I activate the backlight?**

The backlight of the device is activated through vibration. When the light level is  $\leq 4\text{LV}$  (modifiable via the Meross app -> device settings -> backlight settings), you can activate it by lightly tapping the device or the surface it's placed on, such as a desk.

## **3. Will the device still function properly if the network is down or it's disconnected from the Hub?**

After the initial network setup of the MS130 is successful, in the event of subsequent disconnection from the network or the Hub, the time, temperature, humidity, and light level will continue to be displayed normally. However, due to the inability to retrieve the latest network data, the weather data will no longer be displayed.

## **4. How to query humidity through Alexa?**

Meross Custom Skill enables you to query the humidity of your meter. Here are some simple queries to check the humidity:

- "Alexa, ask the smart meross to tell me the humidity of the meter."
- Or you can first wake up the custom skill by saying "Open smart meross", and then query by saying "What is the humidity of the meter?" To learn more, you can visit <https://www.meross.com/support/faqs> to find solutions for more frequently asked questions.

## **■ Warranty**

Meross products are covered by a 24-month limited warranty from the date of purchase. Please visit <https://www.meross.com/support/warranty> for detailed warranty policy.

## ■ Support

For technical support, user guide, warranty, FAQs, and other information, please visit: <https://www.meross.com/support>.

## ■ Declaration of Conformity

Meross hereby declares that the device is in compliance with essential requirements and other relevant provisions of directives 2014/53/EU. 2009/125/EC. 2011/65/EU. The original EU Declaration of Conformity may be at <https://www.meross.com/support/eudoc>.

Meross hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017. The original UK Declaration of Conformity may be found at <https://www.meross.com/support/ukca>.

## ■ Operating Frequency

No restrictions exist in the use of radio frequencies or frequency bands in all EU member states, EFTA countries, Northern Ireland and Great Britain.

Operating Frequency / Max Output Power: 2400MHz-2483.5MHz/ 20dBm (Smart Hub) 433.75 MHz-434.75 MHz / 10dBm(Smart Sensor/ Smart Hub)

## ■ Disclaimer

1. The function of this smart device is tested under a typical circumstance described in our specifications. Meross does NOT guarantee that the smart device shall perform exactly the same as described under all circumstances.



2. By using third-party services including but not limited to Amazon Alexa, Google Assistant, Apple HomeKit and SmartThings, customers acknowledge that Meross shall not be held liable in any way for the data and private information collected by such parties. Meross's total liability is limited to what is expressly covered in its Privacy Policy.
3. Damages arising from ignorance of the SAFETY INFORMATION shall not be covered by Meross after-sales service, nor does Meross take any legal responsibility therefrom.

Customers acknowledge understanding of these articles clearly by reading this manual.

## ■ FCC Compliance Information Statement

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

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.

## ■ Canadian Compliance Statement

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 6.6 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain

Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 6.6 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

CAN ICES-003 (B) / NMB-003 (B)

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

(Cet appareil numérique de la Classe B conforme à la norme NMB-003 du Canada).