

# meross

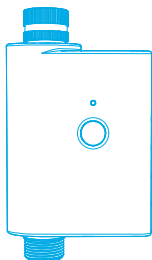
MST100

User Manual

## ■ Safety Information

1. Use 1.5V Alkaline AA batteries, do NOT use 1.2V batteries.
2. Batteries may explode or leak. Used-up batteries must be removed from the device and disposed of properly.
3. The device should be used with cold water ONLY.
4. Do NOT leave the device outside when freezing days. Water freezing and expanding inside the device may damage it.
5. Do NOT use recycled or dirty water. Impurities such as grit in the water may damage the valve of the device.

## ■ Package Contents



Smart Sprinkler Timer



User Manual



PTFE Tape

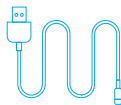


Smart Hub

**Note:** Included in the kit product package only.

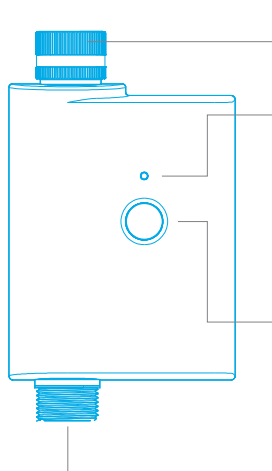


Power Adapter



USB Cable

## ■ Getting to Know Your Sprinkler Timer



### ① **Water Inlet:**

Connect to your outdoor faucet.

### ② **LED Light:**

**Blink once:** Each time when the device is powered on. Open or close the timer valve.

**Blink rapidly:** In pairing mode.

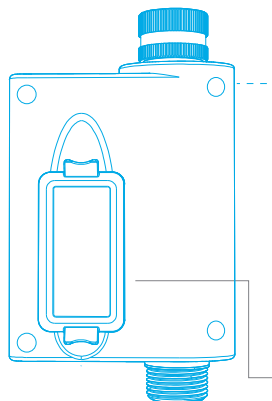
Lights up for 5 seconds: Successfully paired with smart hub.

### ③ **Button:**

Double press to enter pairing mode. Press and hold for 5 seconds until the LED lights up to factory reset.

### ④ **Water Outlet:**

Connect to your hose.



### ⑤ **Wireless Communication:**

Maximum communication range 328ft. To maintain good communication, minimize obstacles like walls between them.

### ⑥ **Battery Compartment:**

Install 4 x 1.5V Alkaline AA batteries.

## ■ Installation Guide

### 1. Download the Meross app.



OR



### 2. Set up the device.

(1) Connect your smartphone or tablet to a 2.4 GHz Wi-Fi network.

(2) Ensure your smart hub is covered by a strong 2.4GHz Wi-Fi signal. Place the hub no more than 328ft away from where the sprinkler timer will be installed, and minimize obstacles like walls between them.

(3) The smart hub supports iOS 13/iPadOS 13 and later. It is recommended that you upgrade your iOS or iPadOS to the latest version before pairing with the smart hub.

(4) Launch the Meross app and log in to your account, or if you are a new user, tap Sign up to create a new account.

(5) Tap the "+" icon to select the type of Smart Sprinkler Timer, then you can just follow the setup wizard to finish the configuration.

Note:

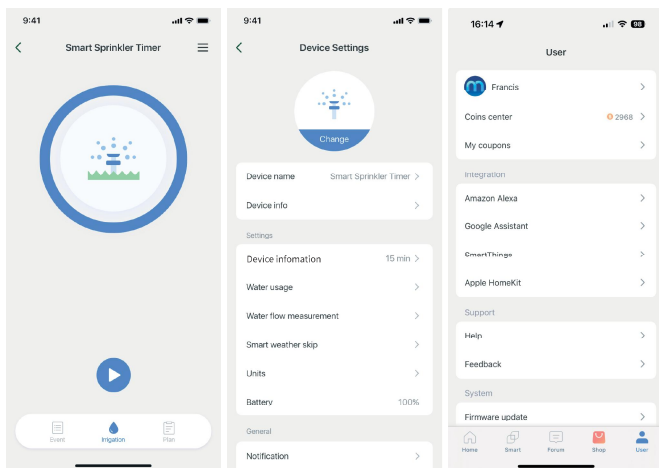
1. As long as you finish the configuration, you'll be able to manage the device in the Apple Home app.

2. If the QR code doesn't work, try adding the Smart Hub to the Apple Home app, or try adding it using an Android phone.

3. Due to the Apple Home app design, the HomeKit-supported hub will not show up in the Home app after successful setup. You can go to the Home app, tap the menu button in the upper right corner, and tap Home Settings to view information about the smart hub.

3. Find more at <https://www.meross.com/support>.

## ■ How to Use



### (1) Device Control Page

**Irrigation:** Start watering, stop watering. Show the watering countdown.

**Event:** Show past and future watering events.

**Plan:** View, create, and edit watering plans.

**Device settings:** Tap the icon on the top right corner to go to the Device Settings page.

## **(2) Device Settings**

**Device icon:** Set the device icon.

**Device name:** Set the device name.

**Device information:** View device info.

**Default duration time:** Whether by button, app, or voice control, every time you open the valve to water, it will automatically stop after a period to avoid waste and flooding, here you can set the default duration of a single watering.

**Water usage:** Water usage dashboard. You can view your water usage by day, week, and month here.

**Water flow measurement:** The water flow measurement function can be enabled or disabled here, as well as the calibration of the water flow rate.

**Smart weather skip:** The smart sprinkler timer can skip the watering schedule in case of bad weather such as rain, frost, wind, etc. to protect your plants and avoid wasting water. You can set the relevant function parameters here.

**Units:** Choose the U.S. or metric units.

**Battery:** Battery level.

**Notification:** Enable or disable the notifications of the device.

**User manual:** Check the user manual.

## **(3) Link Meross to Google Assistant or Amazon Alexa**

Set up the device in the Meross app and link it to the voice assistants.

### **Link to Amazon Alexa**

Go to **User-> Amazon Alexa** and allow Meross to link with Alexa.

## Link to Google Assistant

Go to **User->Google Assistant** and allow Meross to link with Google.

## ■ FAQ

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

### **1. How many sprinkler timers can I pair to a smart hub?**

You can pair up to 24 timers to a single hub.

### **2. Can the device still water on schedule when it loses its internet connection?**

Yes, as watering plans are stored directly on the sprinkler timer, they can be run at any time no matter whether it is connected to the internet or not. However, the weather skip feature does not work when disconnected.

### **3. What should I do if I experience water hammer?**

Unlike mechanical faucets, smart water valves are more likely to cause water hammer, and minor water hammer will not harm your pipes. You can also mitigate water hammer by installing a water hammer arrestor or by partial shut-off of the faucet to reduce water pressure.

### **4. How to fix a HomeKit pairing failure?**

Please visit

<https://www.meross.com/support/FAQ/230.htm>  
for the solution.

To learn more, you can visit

<https://www.meross.com/support/fags>

to find solutions for more frequently asked questions.

## ■ Specifications

**Battery:** 4 x 1.5V Alkaline AA batteries required(not included)

**Dimensions(W x D x H):** 3.9 x 2 x 6.6 in.

**Connectors:** 1 x MHT (male hose thread) and 1 x FHT (female hose thread), NH3/4-11.5

**Operating Water Pressure:** 5~100PSI

**Operating Temperature:** 34~140°F

**Dust&Water Proof:** IP65(sprinkler timer)

**Wireless Standard:**

- Sprinkler timer: 433MHz RF
- Smart hub: IEEE 802.11 b/g/n, 2.4GHz Wi-Fi and 433MHz RF

**System Requirement:**

- Smartphone running iOS 13 or later or Android 8.0 or later
- Existing 2.4GHz Wi-Fi network

## ■ Warranty

Meross products are covered by a 12-month limited warranty from the date of purchase. Please visit

<https://www.meross.com/support/warranty>

for detailed warranty policy and product registration.



## ■ 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 Amazon Alexa, 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 aftersales 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## ■ 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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

# SIMPLE DEVICE SIMPLIFY YOUR LIFE

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Email: [support@meross.com](mailto:support@meross.com)  
Website: [www.meross.com](http://www.meross.com)



MADE IN CHINA

Manufacturer: Chengdu Meross Technology Co., Ltd.

Address: Floor 3, Building A5, Shijicheng Road No 1129, Gaoxin, Free Trade Trial Zone,  
Chengdu, Sichuan, China.