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meross MST100

meross WiFi Water Timer MST100 for Garden Hose with WiFi Hub - Instruction Manual

Model: MST100

1. Product Overview

The meross WiFi Water Timer MST100 is designed to automate garden hose watering, offering smart control and scheduling through a WiFi hub. It features durable brass construction for reliable performance and integrates with smart home platforms like Apple HomeKit, Alexa, and Google Assistant.

Image 1.1: The meross WiFi Water Timer MST100, its accompanying WiFi hub, and a smartphone displaying the control application.

2. Package Contents

- meross WiFi Water Timer (MST100)
- meross WiFi Hub (MSH400)
- User Manual
- (Batteries not included, requires 4 x 1.5V AA batteries)

3. Setup Instructions

3.1. Install the Meross App

Download the Meross app from the Apple App Store, Google Play Store, or Amazon Appstore. Search for "Meross".

Image 3.1: Visual guide for connecting the WiFi Hub, including app download instructions.

3.2. Connect the WiFi Hub (MSH400)

1. Power on the WiFi hub.
2. Ensure your smartphone is connected to a 2.4GHz WiFi network. The meross devices are only compatible with 2.4GHz networks.
3. Open the Meross app, click the "+" icon, and follow the in-app instructions to add the Smart Hub (MSH400).

3.3. Install Batteries in the Water Timer

The battery compartment is tightly secured due to its waterproof design. Use a screwdriver to gently pry it open from both sides. Insert 4 x 1.5V AA batteries, ensuring correct polarity.

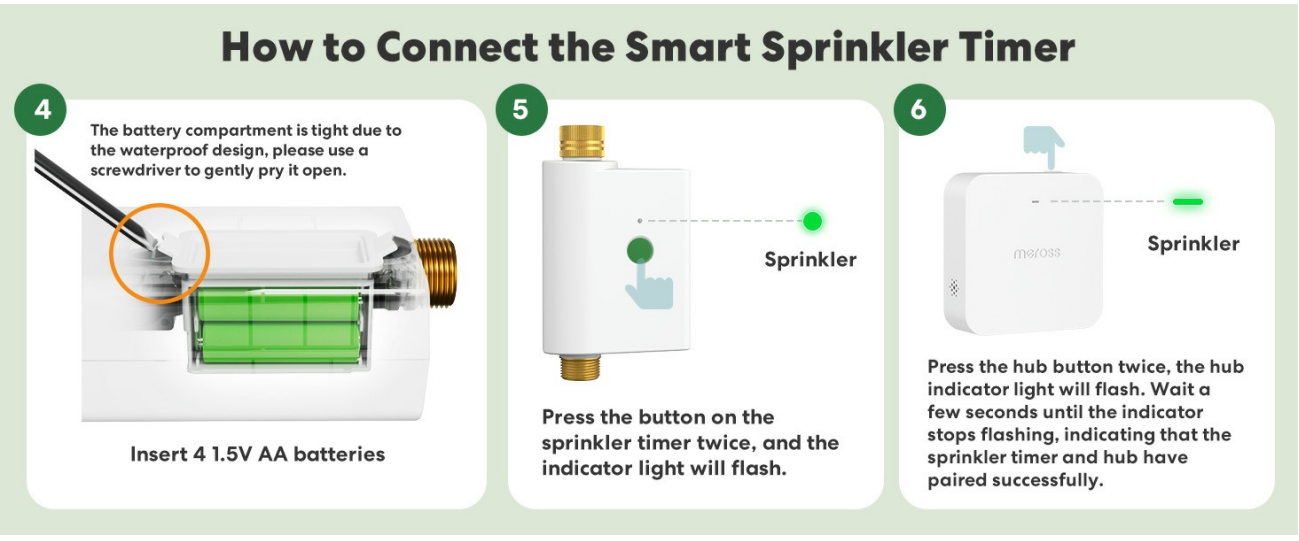

Image 3.2: Detailed steps for battery installation and pairing the water timer with the hub.

3.4. Pair the Water Timer with the WiFi Hub

1. After inserting batteries, press the button on the sprinkler timer twice. The indicator light will flash.
2. Press the hub button twice. The hub indicator light will flash.
3. Wait a few seconds until the indicator light on both devices stops flashing, indicating successful pairing.

3.5. Install the Water Timer

Connect the meross WiFi Water Timer to any standard outdoor faucet. The brass inlet and outlet ensure a durable and leak-

free connection. Attach your garden hose to the timer's outlet.

Image 3.3: The meross water timer connected to an outdoor faucet and a garden hose, highlighting the brass fittings.

4. Operating Instructions

4.1. Manual Watering

To initiate manual watering, press the button on the water timer once. The default watering duration is 15 minutes, which

can be adjusted via the Meross app. The timer will automatically shut off after the set duration.

Image 4.1: Manual watering initiated by pressing the timer button.

4.2. Scheduling Watering Plans

Use the Meross app to create customized watering schedules. You can set start times, durations (from 1 minute to 11 hours 59 minutes), and frequencies (e.g., specific days of the week, odd/even days, or custom intervals). Schedules will operate even if the sprinkler timer is offline.

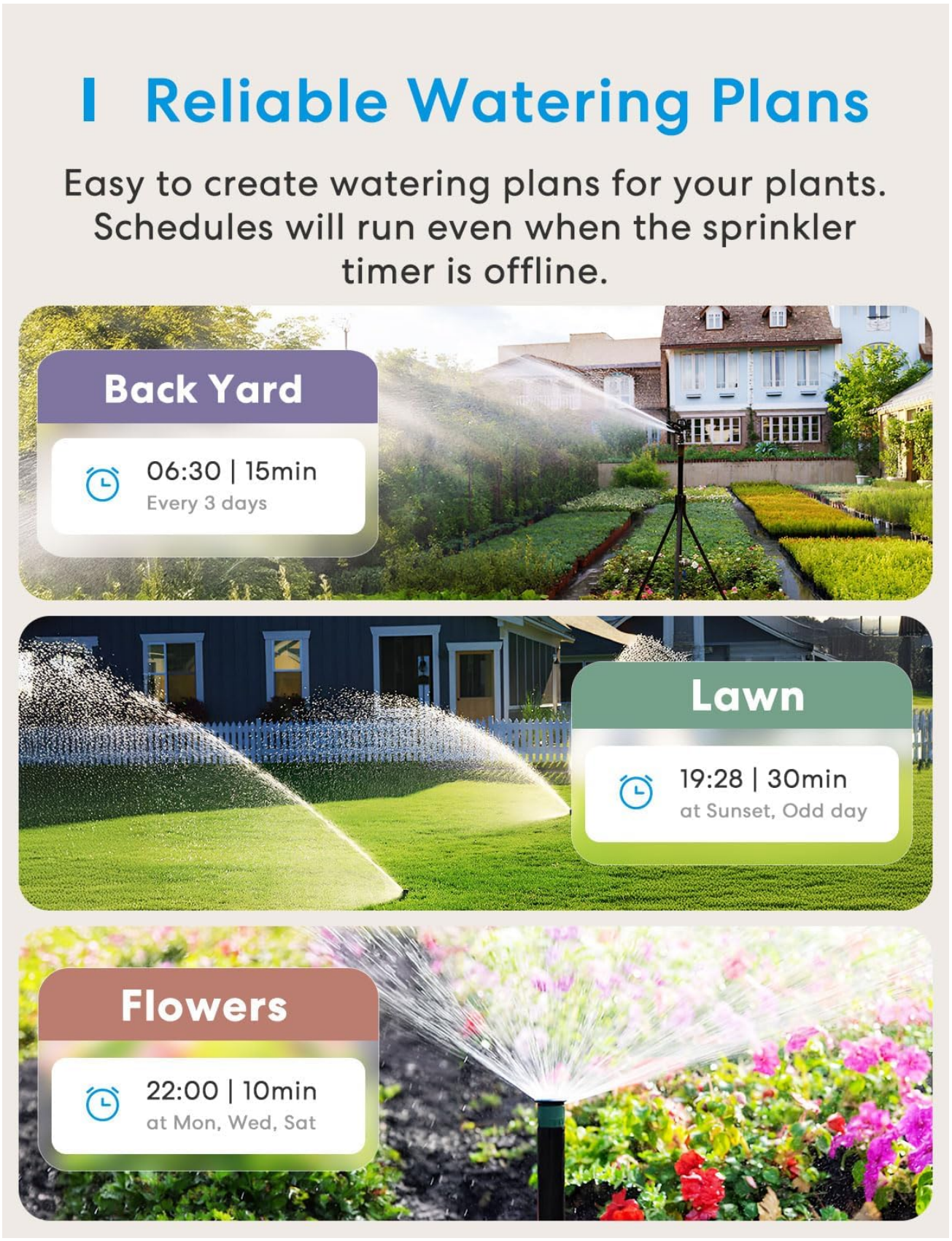

Image 4.2: Example watering plans configured within the Meross app.

4.3. Smart Weather Skip

The WiFi sprinkler timer utilizes hyper-local weather data to automatically skip watering cycles. This feature prevents overwatering and conserves water by skipping schedules during or after rain, or in freezing/windy conditions.

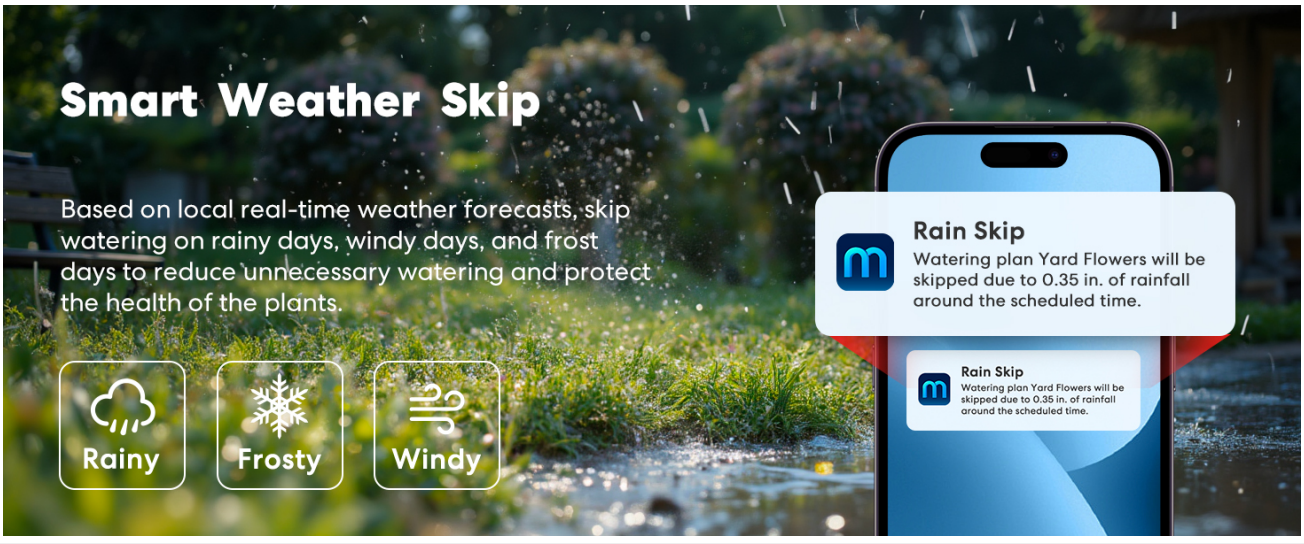

Image 4.3: The Smart Weather Skip function, showing how the timer adapts to various weather conditions.

4.4. Smart Home Integration

The meross WiFi Water Timer integrates with Apple HomeKit, Amazon Alexa, and Google Assistant. This allows for voice control and remote management of your watering system. Note that Apple HomeKit automation is not supported by this specific smart hose timer.

- **Alexa:** "Alexa, open the sprinkler timer."
- **Siri:** "Hey Siri, open the sprinkler timer."
- **Google Assistant:** "Hey Google, open the sprinkler timer."

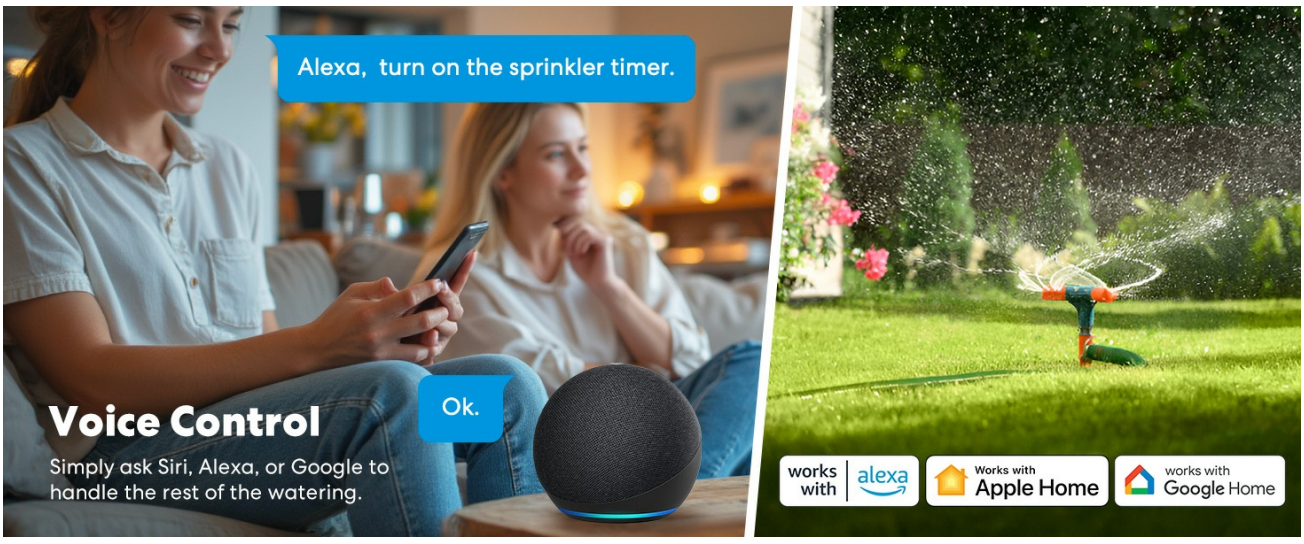

Image 4.4: Voice control functionality with smart assistants.

4.5. Water Usage Tracking and Alerts

The Meross app provides detailed water consumption data, allowing you to monitor usage and manage resources effectively. You will also receive instant notifications for any issues detected with your water timer, such as low battery or water flow anomalies.

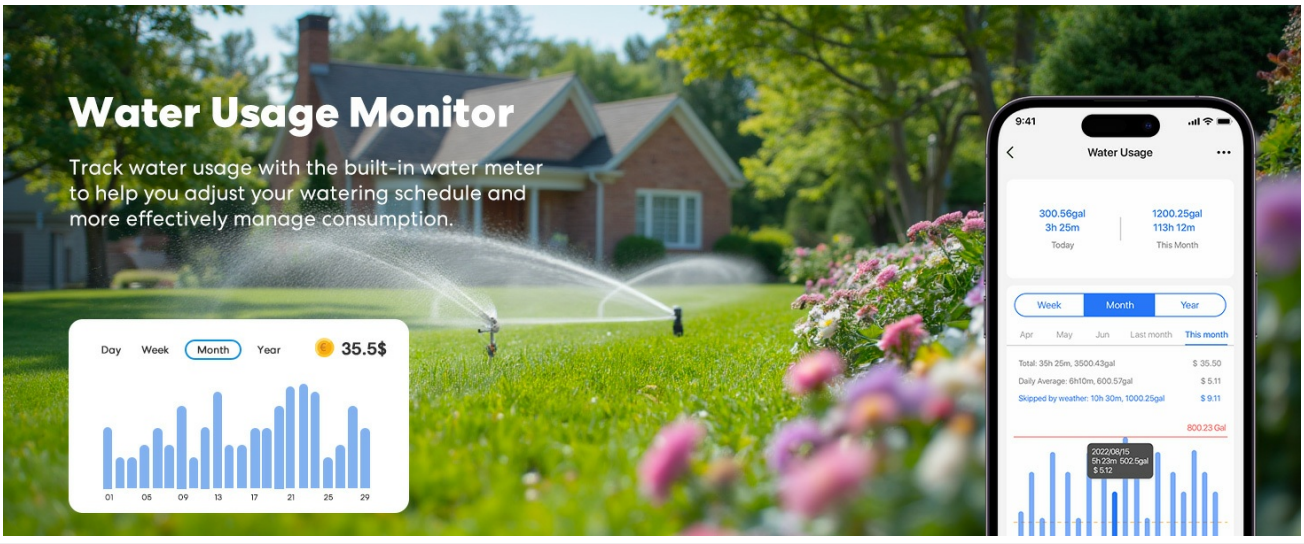

Image 4.5: Water usage monitoring interface in the Meross app.

5. Maintenance

To ensure the longevity and optimal performance of your meross WiFi Water Timer, consider the following maintenance guidelines:

- **Battery Replacement:** Replace the 4 x 1.5V AA batteries when the Meross app indicates a low battery level. Ensure correct polarity during installation.
- **Cleaning:** Periodically inspect the brass inlet and outlet for any debris or mineral buildup. Clean gently with a soft brush if necessary to maintain proper water flow and prevent leaks.
- **Winterization:** Before the first frost, disconnect the water timer from the faucet and hose. Store it indoors in a dry, protected area to prevent damage from freezing temperatures.
- **Connection Integrity:** Regularly check all connections for tightness to prevent leaks. The durable brass construction is designed for corrosion resistance, but proper sealing is crucial.

6. Troubleshooting

- **Device Not Connecting to WiFi:**
  - Ensure your WiFi network is 2.4GHz. The meross WiFi Water Timer and Hub are not compatible with 5GHz networks.
  - Verify that the WiFi hub is powered on and within range of your router.
  - Check that your smartphone is connected to the 2.4GHz network during the initial setup process.
  - Restart your router, WiFi hub, and water timer, then attempt pairing again.
- **Water Timer Not Responding:**
  - Check the battery level in the Meross app. Replace batteries if low.
  - Ensure the water timer is properly paired with the WiFi hub (refer to Section 3.4).
  - Verify that the faucet is turned on.
- **Leaks at Connections:**
  - Ensure all connections (faucet to timer, timer to hose) are tightened securely.
  - Check for damaged washers and replace if necessary.
  - Confirm the brass fittings are free from debris.

- **Watering Schedule Not Activating:**
  - Review your schedule settings in the Meross app for correct times, durations, and frequencies.
  - Check the Smart Weather Skip feature. If enabled, watering might be skipped due to current or forecasted weather conditions (rain, frost, wind).
  - Ensure the water timer has sufficient battery power.
- **Difficulty Opening Battery Compartment:**
  - The compartment is designed to be waterproof and is tightly secured. Use a small screwdriver to gently pry it open from both sides as indicated in the setup instructions.

7. Specifications

Feature	Detail
Model Number	MST100
Brand	meross
Product Dimensions	3.9"D x 2.2"W x 6"H
Item Weight	1.65 pounds
Material	Acrylonitrile Butadiene Styrene, Brass
Color	Pure White
Power Source	4 x 1.5V AA Batteries (not included)
Wireless Connectivity	2.4GHz WiFi only
Smart Home Compatibility	Apple HomeKit, Amazon Alexa, Google Assistant
Max Hub Support	One WiFi hub supports up to 24 water timers

8. Warranty and Support

For warranty information, technical support, or further assistance, please visit the official meross website or contact meross customer service. Details can typically be found on the product packaging or within the Meross app's support section. You can also find more information and support resources on the meross Amazon Store.

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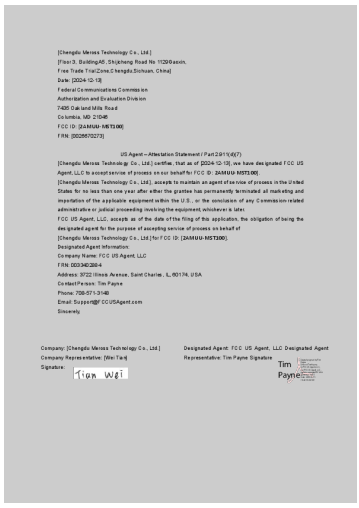
Related Documents - MST100

	Meross MST100 Smart Sprinkler Timer User Manual User manual for the Meross MST100 Smart Sprinkler Timer, detailing its features, installation, setup, operation, specifications, and troubleshooting. Includes safety information and compliance statements.
	Meross MSG100 Smart Garage Door Opener User Manual This user manual provides comprehensive instructions for setting up and using the Meross MSG100 Smart Garage Door Opener. Learn about installation, app integration with Meross, Apple HomeKit, Amazon Alexa, and Google Assistant, voice control, notifications, and troubleshooting.
	Meross Matter WiFi Roller Shutter Switch User Guide This guide provides safety information and instructions for the Meross Matter WiFi Roller Shutter Switch, compatible with Apple HomeKit, Siri, Alexa, Google Assistant, and SmartThings.
	Meross Smart Plug Quick Start Guide - Setup, Safety, and Warranty This guide provides instructions for setting up your Meross smart plug using the Meross app, covering installation, safety information, warranty, support, and compliance details.
	Meross MSS620 Smart Wi-Fi Outdoor Plug User Manual User manual for the Meross MSS620 Smart Wi-Fi Outdoor Plug, covering safety information, installation, setup, LED indicators, voice assistant integration, FAQ, warranty, and disclaimer.
	Meross MST100 Smart Sprinkler Timer User Manual Comprehensive user manual for the Meross MST100 Smart Sprinkler Timer, detailing safety information, package contents, device setup, operation, specifications, warranty, and compliance.



[pdf] Agent Authorization

US Agent letter Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

Chengdu Meross Technology Co., Ltd. Floor 3, Building A5, Shijicheng Road No 1129Gaoxin, Free Trade Trial Zone,Chengdu,Sichuan, China Date: 2024-12-13 Federal Communications Commission Authorization and Evaluation Division 7435 Oakland Mills Road Columbia, MD 21046 FCC ID: 2AMUU-**MST100** FRN: ...

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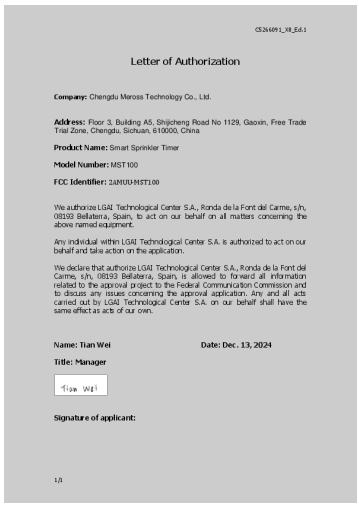

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Adria Galin Pons Letter Authorization Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

C5266091_X8_Ed.1 Letter of Authorization Company: Chengdu Meross Technology Co., Ltd. Address: Floor 3, Building A5, Shijicheng Road No 1129, Gaoxin, Free Trade Trial Zone, Chengdu, Sichuan, 610000, China Product Name: Smart Sprinkler Timer Model Number: **MST100** FCC Identifier: 2AMUU-**MST100** We autho...

lang:en score:34 filesize: 410.19 K page_count: 1 document date: 2024-12-23

[pdf]

APPLICANT S LETTERHEAD Sid Sanders Attestation Statement II Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

Chengdu Meross Technology Co., Ltd. Floor 3, Building A5, Shijicheng Road No 1129, Gaoxin, Free Trad ... 21046 USA Date: Dec. 13, 2024 Ref: Attestation Statements Part 2.911 d 5 ii Filing FCC ID: 2AMUU-**MST100** FRN: 0026670273 Chengdu Meross Technology Co., Ltd. the applicant certifies that, as of...

lang:en score:34 filesize: 56.87 K page_count: 1 document date: 2024-12-23

Chengdu Meross Technology Co., Ltd.
Floor 3, Building A5, Shijicheng Road No.1129, Gaoxin, Free Trade Trial Zone, Chengdu, Sichuan, 610000, China

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046
USA

Date:
Dec. 13, 2024
Ref: Attestation Statements Part 2.911(d)(5)(i) Filing
FCC ID: 2AMUU-MST100
FRN: 0026670273

[Chengdu Meross Technology Co., Ltd.] ("the applicant") certifies that the equipment for which authorization is sought is not "covered" equipment prohibited from receiving an equipment authorization pursuant to section 2.903 of the FCC rules.

Sincerely,

Tian Wei

[Applicant signature]
[Tian Wei]

[pdf]

APPLICANT S LETTERHEAD Sid Sanders Attestation Statement I Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

Chengdu Meross Technology Co., Ltd. Floor 3, Building A5, Shijicheng Road No 1129, Gaoxin, Free Trad ... 21046 USA Date: Dec. 13, 2024 Ref: Attestation Statements Part 2.911 d 5 i Filing FCC ID: 2AMUU-**MST100** FRN: 0026670273 Chengdu Meross Technology Co., Ltd. the applicant certifies that the eq...

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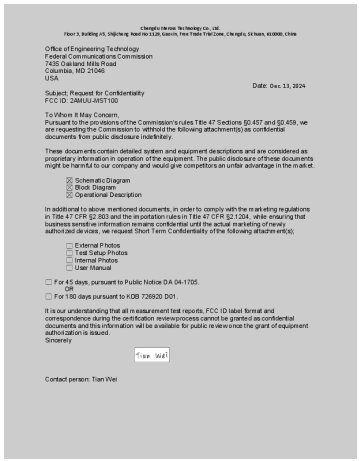

Chengdu Meross Technology Co., Ltd.
Floor 3, Building A5, Shijicheng Road No.1129, Gaoxin, Free Trade Trial Zone, Chengdu, Sichuan, 610000, China

Office of Engineering Technology
Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046
USA

Date: Dec. 13, 2024

Subject: Request for Confidentiality
FCC ID: 2AMUU-MST100

To Whom It May Concern,
Pursuant to the provisions of the Commission's rules Title 47 Sections §0.457 and §0.459, we are requesting the Commission to withhold the following attachment(s) as confidential documents from public disclosure indefinitely.

These documents contain detailed system and equipment descriptions and are considered as proprietary information in operation of the equipment. The public disclosure of these documents might be harmful to our company and would give competitors an unfair advantage in the market.

☑ Schematic Diagram
☑ Block Diagram
☑ Operational Description

In additional to above mentioned documents, in order to comply with the marketing regulations in Title 47 CFR §2.803 and the importation rules in Title 47 CFR §2.1204, while ensuring that business sensitive information remains confidential until the actual marketing of newly authorized devices, we request Short Term Confidentiality of the following attachment(s):

☐ External Photos
☐ Test Setup Photos
☐ Internal Photos
☐ User Manual

☐ For 45 days, pursuant to Public Notice DA 04-1705.
OR
☐ For 180 days pursuant to KDB 726920 D01.

It is our understanding that all measurement test reports, FCC ID label format and correspondence during the certification review process cannot be granted as confidential documents and this information will be available for public review once the grant of equipment authorization is issued.
Sincerely,

Tian Wei

Contact person: Tian Wei

[pdf] Confidentiality Request Letter

Fiona Ffuellenbach Confidentiality Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

Chengdu Meross Technology Co., Ltd. Floor 3, Building A5, Shijicheng Road No 1129, Gaoxin, Free Trad ... n 7435 Oakland Mills Road Columbia, MD 21046 USA Subject; Request for Confidentiality FCC ID: 2AMUU-**MST100** Date: Dec. 13, 2024 To Whom It May Concern, Pursuant to the provisions of the Commission s ...

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[pdf] User Manual

User manual Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

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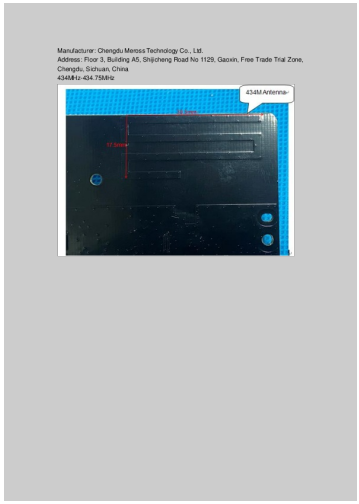

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jc fy rzb nyuy Antenna report Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

Manufacturer: Chengdu Meross Technology Co., Ltd. Address: Floor 3, Building A5, Shijicheng Road No 1129, Gaoxin, Free Trade Trial Zone, Chengdu, Sichuan, China 434MHz-434.75MHz ...

lang:en score:23 filesize: 204.87 K page_count: 1 document date: 2024-12-30

[pdf] User Manual

6102000564 MST100 US 240612 115x400mm meross WiFi Water Hose Timer Smart Sprinkler with Brass Inlet Outet Work Apple Homekit Alexa Google Assistant Watering for Lawn Garden Yard and Pool Hub RequiredMST100 User Manual Required B0D7CQZ5PGC1 3E3UPXLm media amazon images I C1 3E3UPXL |||

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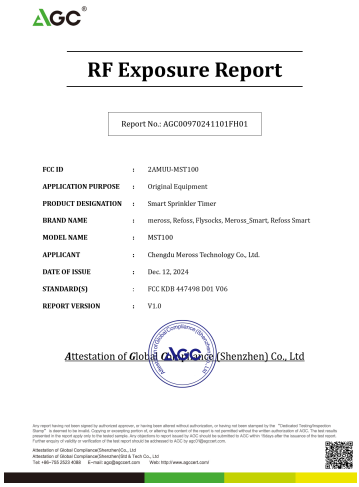
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Report No.: AGC00970241101FH01

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PRODUCT DESIGNATION	:	Smart Sprinkler Timer
BRAND NAME	:	meross, Refoss, Flysocks, Meross_Smart, Refoss Smart
MODEL NAME	:	MST100
APPLICANT	:	Chengdu Meross Technology Co., Ltd.
DATE OF ISSUE	:	Dec. 12, 2024
STANDARD(S)	:	FCC KDB 447498 D01 V06
REPORT VERSION	:	V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

[pdf] SAR Rating

RF Exposure Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

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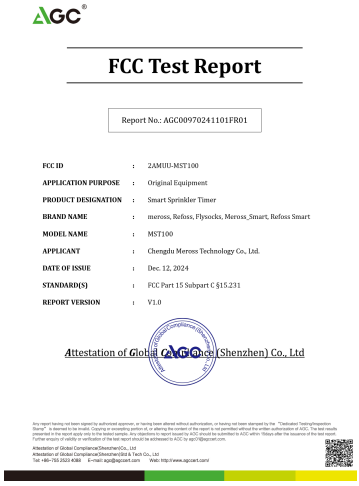
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Report No.: AGC00970241101FR01

FCC ID	:	2AMUU-MST100
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	Smart Sprinkler Timer
BRAND NAME	:	meross, Refoss, Flysocks, Meross_Smart, Refoss Smart
MODEL NAME	:	MST100
APPLICANT	:	Chengdu Meross Technology Co., Ltd.
DATE OF ISSUE	:	Dec. 12, 2024
STANDARD(S)	:	FCC Part 15 Subpart C §15.231
REPORT VERSION	:	V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

[pdf] Test Report

Test reports Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

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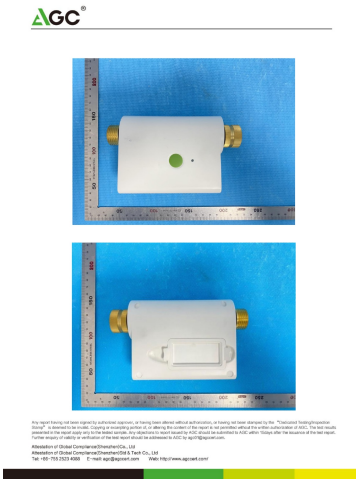

[pdf] Product Photos

Administrator External photos Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

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[pdf] Label

ID label and location Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

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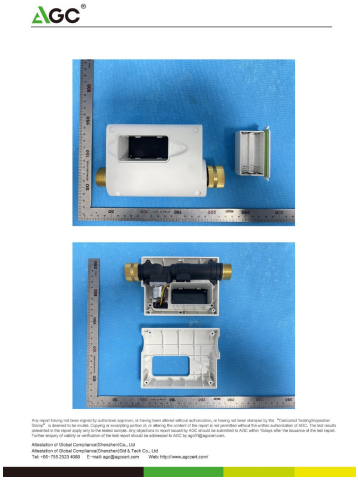

[pdf] Product Photos Teardown

Administrator Internal photos Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

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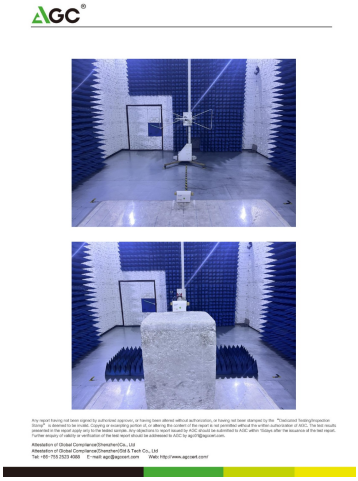

[pdf] Product Photos

Administrator Test setup photos Chengdu Meross Technology Co Ltd MST100 Smart Sprinkler Timer 2AMUU 2AMUUMST100 mst100

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lang:en score:15 filesize: 1.1 M page_count: 2 document date: 2024-12-23

Meross MST100 Smart Sprinkler Timer User Manual

User manual for the Meross MST100 Smart Sprinkler Timer, detailing its features, installation, setup, operation, specifications, and troubleshooting. Includes safety information and compliance statements.

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