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## mooas MC-W8

# mooas Mini Square 15W Fast Wireless Charging Clock User Manual

Model: MC-W8

## INTRODUCTION

This manual provides essential information for the safe and efficient operation of your mooas Mini Square 15W Fast Wireless Charging Clock. Please read this manual thoroughly before using the product and retain it for future reference. The mooas Mini Square 15W Fast Wireless Charging Clock is a versatile device that combines a digital alarm clock with a powerful 15W wireless charging pad. Its compact design and multiple features make it suitable for various environments, including offices, bedrooms, and living rooms.

## PRODUCT OVERVIEW



**Figure 1:** The mooas Mini Square 15W Fast Wireless Charging Clock in both Dark Gray and Beige, showcasing its compact design and wireless charging capability with a smartphone.



## Components

Charger, Type-C USB Cable, Manual

## Material

ABS, PC

## Weight

0.29 lb

## Size

3.3 x 3.5 x 1.3 inch (W x D x H)

## Wireless Output

Max. 15W

Figure 2: Detailed view of the product's components, material, weight, size, and wireless output. The package includes the charger, a Type-C USB cable, and the manual.

## Key Features:

- 15W Fast Wireless Charging:** Supports various charging outputs (3W, 5W, 7.5W, 10W, 15W) for quick device charging.
- Dual Charging Modes:** Functions as both a flat charging pad and a foldable stand for horizontal or vertical device placement.
- Digital Alarm Clock:** Features a clear LED display with adjustable brightness and a snooze function.
- Safety Protections:** Equipped with Foreign Object Detection (FOD), Over-Voltage Protection (OVP), and Temperature Sensor Control (TSC).
- Time Memory:** Includes a CR2032 battery to retain time settings during power outages.
- Wide Compatibility:** Compatible with a broad range of wireless charging-enabled smartphones and devices, including iPhone, Samsung, LG, AirPods, and Galaxy Buds.

## PACKAGE CONTENTS

Please verify that all items are present in the package:

- mooas Mini Square 15W Fast Wireless Charging Clock
- USB Type-C Charging Cable (Fast charging cable)
- User Manual (This document)

## SETUP

### Initial Setup:

1. **Unpack:** Carefully remove all components from the packaging.
2. **Connect Power:** Insert the provided USB Type-C cable into the "POWER PORT" on the back of the clock. Connect the other end of the cable to a compatible power adapter (not included). For fast charging, a QC 3.0 (9V 1.67A or 12V 1.5A) adapter is required.
3. **Power On:** The clock display will illuminate once connected to power.



Figure 3: Illustration of connecting the USB Type-C cable to the clock's power port for initial setup and power supply.

### Setting the Time:

1. **Enter Time Setting Mode:** Press the "TIME" button (Button 1 on the diagram) located on the bottom of the clock. The hour digits will begin to flash.
2. **Adjust Hour:** Use the "+" and "-" buttons (Buttons 4 and 5) to set the correct hour.
3. **Confirm Hour:** Press the "TIME" button again to confirm the hour. The minute digits will begin to flash.
4. **Adjust Minute:** Use the "+" and "-" buttons to set the correct minute.
5. **Confirm Time:** Press the "TIME" button one more time to save the time settings.
6. **12/24H Mode:** To switch between 12-hour and 24-hour display modes, press the "TIME" button while the time is displayed.

# Alarm Clock

Desk clock that supports mode change of alarm, snooze and time display



Figure 4: Diagram illustrating the clock's display elements and control buttons on the bottom for time and alarm settings.

Your browser does not support the video tag.

**Video 1:** This video demonstrates how to set the time and adjust the brightness levels of the mooas Mini Square Wireless Charging Clock, showing the ease of use for these functions.

## OPERATING INSTRUCTIONS

### Wireless Charging:

The clock supports up to 15W fast wireless charging. Ensure your device is compatible with wireless charging.

- Placement:** Place your wireless charging-enabled device (smartphone, earbuds, etc.) on the center of the charging pad.
- Charging Indicator:** The charging indicator on the clock display will show the current charging level.
- Fast Charging:** For optimal fast charging, use a QC 3.0 (9V 1.67A or 12V 1.5A) power adapter and the included 2A fast charging cable.



# Fast Wireless Charging

Support **up to 15W** fast Wireless Charging

Figure 5: A smartphone being wirelessly charged on the clock's pad, demonstrating the fast wireless charging capability.



Figure 6: Information regarding the 15W wireless charging feature, emphasizing the need for a QC 3.0 adapter and 2A fast charging cable for optimal performance.

## Charging Modes (Pad & Stand):

The foldable charging pad allows for two charging orientations:

- **Pad Mode:** Keep the charging surface flat. Place your device directly on the pad for charging.
- **Stand Mode:** Fold the charging surface upwards to create a stand. You can place your phone horizontally or vertically on the stand while it charges, providing an optimal viewing angle for videos.

# Foldable Charger

Convenient Use of Smartphone while Charging  
with Standing Type Wireless Charger



Figure 7: Visual representation of the foldable charging mechanism, allowing the device to switch between flat pad mode and upright stand mode.

# Good Viewing Angle

Standing angle  
supports optimal view for watching videos



Figure 8: A smartphone placed on the clock in stand mode, illustrating the good viewing angle for media consumption while charging.

*Note: Some heavier phones may not be stable in vertical stand mode; horizontal placement is recommended in such cases.*

## Alarm and Snooze:

- Setting Alarm:** Press the "ALARM" button (Button 2 on the diagram). The hour digits will flash. Use "+" and "-" buttons to set the hour, then press "ALARM" again. The minute digits will flash. Use "+" and "-" buttons to set the minute, then press "ALARM" again to save.
- Activating/Deactivating Alarm:** Press the "ALARM" button once to toggle the alarm on or off. An alarm icon will appear on the display when active.
- Snooze:** When the alarm rings, short press the top of the clock to activate snooze. The alarm will sound again after 9 minutes. A "ZZZ" icon will appear on the display.
- Turning Off Alarm:** To turn off the alarm completely before the next snooze interval, long press the top of the clock.

## 2 ways of charging

### Wireless charging in pad or stand mode

With foldable wireless charging pad, charge your device in 2 ways in pad or stand mode.

When charging in stand mode, you can place the phone horizontally or vertically and use the phone even when charging.

Standing pad offers the best viewing angle for watching videos even when charging.

\* Please note that some phones may not be able to place vertically due to heavy weight. In this case, it is recommended to place the phones horizontally.



Figure 9: Instructions for activating and deactivating the snooze function by short or long pressing the top of the clock.

## Adjusting Display Brightness:

The LED display has 3 brightness levels (High, Medium, Low) and an OFF mode.

- **Adjust Brightness:** In time display mode, short press the top of the clock to cycle through the brightness levels: High → Medium → Low → OFF.



## Adjustable brightness

### 3 Levels of brightness

The LED display brightness is adjustable in 3 levels in high, medium and low. Short press the pad on top in time display mode to adjust the brightness.

Figure 10: Visual guide to the three adjustable brightness levels of the LED display, including the option to turn the display off.

## MAINTENANCE

### Cleaning:

- Wipe the surface of the clock with a soft, dry cloth.
- Do not use abrasive cleaners or solvents, as they may damage the finish.

### Storage:

- When not in use for extended periods, disconnect the power cable.
- Store the clock in a cool, dry place away from direct sunlight and extreme temperatures.

### Time Memory Battery:

The clock is equipped with a CR2032 time memorizing battery. This battery retains the time settings even when the main power is disconnected. Replacement of this battery is generally not required under normal use for many years.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Clock display is off or flickering.	Power cable not properly connected; brightness set to OFF; power adapter issue.	Ensure USB-C cable is securely connected. Press the top of the clock to cycle brightness levels. Try a different power adapter.
Wireless charging is not working.	Device not properly aligned; foreign object on pad (FOD activated); device not wireless charging compatible; power adapter insufficient.	Reposition device on the center of the pad. Remove any metal objects. Verify device compatibility. Use a QC 3.0 adapter.
Alarm does not sound.	Alarm not activated; volume too low (if applicable, though this model doesn't specify volume control).	Ensure alarm is set and activated (alarm icon visible). Check if the clock is muted or if there's an external sound setting.
Time setting is lost after power disconnection.	CR2032 time memory battery may be depleted (unlikely for new product).	The CR2032 battery is designed for long-term memory. If this occurs frequently, contact customer support.
Phone unstable in stand mode.	Phone is too heavy or has an uneven back.	Try placing the phone horizontally in stand mode, or use pad mode for heavier devices.

# Safe Use

Safe to use with a software that prevents overheating, overvoltage, over-charging.



**Figure 11:** Explanation of the built-in safety features: Foreign Object Detection (FOD), Over-Voltage Protection (OVP), and Temperature Sensor Control (TSC), which help prevent charging issues and ensure user safety.

## SPECIFICATIONS

Feature	Detail
Model Number	MC-W8
Product Dimensions	3.35 x 3.46 x 1.34 inches (W x D x H)
Item Weight	4.6 ounces (0.29 lbs)
Material	ABS, PC
Input Voltage	5V / 2A, 9V / 1.67A, 12V / 1.5A
Wireless Charging Output	5W / 7.5W / 10W / 15W (Max)

Feature	Detail
Connectivity Technology	USB Type-C
Time Memory Battery	CR2032
Color	Dark grey (also available in Beige)
Mounting Type	Tabletop Mount

## Supported Devices



### 15W Fast wireless charging

Galaxy S20, S20+, S20 Ultra, S21, S21+, S21 Ultra, S10, S10 5G, S10+, S10e, Note10, Note 10+, Note 20, Note20 Ultra, Galaxy Z Fold, Galaxy Z Flip, LG V40 Thin Q, V50 Thin Q, G7 Thin Q, G8 Thin Q and newer

### 10W Fast wireless charging

Galaxy S9, S9+, S8, S8+, S7 Edge, S7, S7 Active, S6 Edge+, Galaxy Note 5, Note 7 FE, Note 8, Note 9, LG V30 Thin Q, V30S Thin Q, V35 Thin Q and newer

### 7.5W Fast wireless charging

iPhone 8, 8+, X, Xr, XS, XS Max, 11, 11Pro, 11Pro Max, 12, 12Pro, 12Pro Max, 13, 13Pro, 13Pro Max, 14, 14Pro, 14Pro Max, 15Pro Max, 15Pro, 15Plus, 15 and newer

### 5W Normal wireless charging

Galaxy S6, S6 Edge, S6 Active, LG G6+ and newer / Qi- Supported Smartphones

### 3W Normal wireless charging

Airpods 2nd gen, pro and older models / Galaxy buds, buds+ and newer

**Figure 12:** A list of supported devices and their corresponding wireless charging speeds (15W, 10W, 7.5W, 5W, 3W) for various smartphone and earbud models.

## WARRANTY AND SUPPORT

For warranty information or technical support, please contact mooas customer service through the retailer where the product was purchased or visit the official mooas website.

Keep your purchase receipt as proof of purchase for warranty claims.

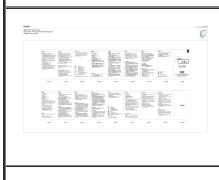
**Manufacturer:** mooas

**Date First Available:** March 13, 2023

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This manual is subject to change without prior notice.

## Related Documents - MC-W8

	<p><a href="#"><u>Mooas 15W Slim Edge Mirror Wireless Charging Alarm Clock User Manual</u></a></p> <p>User manual for the Mooas 15W Slim Edge Mirror Wireless Charging Alarm Clock (MC-W19), detailing features, specifications, setup, usage, and safety warnings including button cell battery hazards.</p>
	<p><a href="#"><u>Mooas Smart Wireless Charging Nightlight Clock MC-W6 User Manual</u></a></p> <p>This document provides a user manual for the Mooas Smart Wireless Charging Nightlight Clock, model MC-W6. It outlines the product's features, including its 10W fast wireless charging capability, alarm functions, and nightlight. The manual contains detailed specifications, operational instructions, and diagrams for setup and use.</p>
	<p><a href="#"><u>mooas Flat 15W Wireless Charging Nightlight Alarm Clock User Guide</u></a></p> <p>User guide for the mooas Flat 15W Wireless Charging Nightlight Alarm Clock. Learn about its features, setup, operation, wireless charging, nightlight, alarm functions, time setting, and troubleshooting.</p>

	<p><a href="#"><u>Mooas Moonlight Dual LED Clock (Date Ver.) User Manual</u></a></p> <p>Comprehensive user manual for the Mooas Moonlight Dual LED Clock (Date Ver.). Learn how to set the time, date, and alarm, operate the mood lamp, adjust brightness, and utilize the remote control. Includes features, components, and important precautions.</p>
	<p><a href="#"><u>mooas LED Digital Mirror Clock User Manual</u></a></p> <p>User manual for the mooas LED Digital Mirror Clock, detailing features, how to use, alarm settings, temperature display, and precautions. Includes product specifications and operational guidance.</p>
	<p><a href="#"><u>Mooas Pure Mini White 3D LED Clock User Manual</u></a></p> <p>Comprehensive user manual for the Mooas Pure Mini White 3D LED Clock, detailing its multi-function features including calendar, alarm, and temperature display. Learn how to set up and operate your LED clock.</p>

## Documents - mooas – MC-W8

Mooas Inc.

Section 2.911(d)(5)(ii) Certification – Applicant (Covered List)

Company name: Mooas Inc.  
Address: C-819-822, Mureung Hyundai Knowledge, Industry Center, 7, Beobwon-ro 11-gil, Seongnam-si, Gyeonggi-do 13586, South Korea  
Product Name: 15W MINI SQUARE WIRELESS CHARGING STAND ALARM CLOCK  
FCCID: 2A5K5-MC-W8  
Model#: MC-W8

2.911(d)(5)(ii) Certification Filing  
We, Mooas Inc. ("the applicant") certify that, as of the date of the filing of this application, the applicant is not identified<sup>NOTE 1</sup> on the "Covered List"<sup>NOTE 2</sup>, established pursuant to §15002 of this chapter, as an entity producing covered communications equipment.

Yours sincerely,  
Name: Choi woo Mun  
Title: CEO  
Company name: Mooas Inc.

Signature: 

NOTE 1  
Delete option not applicable to this application.

NOTE 2  
"Covered List" is the List of Equipment and Services Covered By Section 2 of The Secure Networks Act, available at <http://www.fcc.gov/oet/ea/easelist.html>

References:  
1) 964.401 D01 Connect Equipment v01  
<http://www.fcc.gov/oet/ea/easelist/F15SearchResultPage.htm?SearchID=10000000000000000000000000000000>  
2) Federal Register document 2022-26205 published on 02/06/23  
<http://www.fcc.gov/oet/ea/easelist/documents/2022/02/07/2022-26205/Order-001-represent-national-security-threats-to-the-communications-sectors-chair-through-the>

2022-26205.apk#��#001

Mooas Inc.

**Section 2.911(d)(5)(i) Certification – EquipmentType**

Company name: Mooas Inc.  
Address: C-819-822, Murejeong Hyundai Knowledge, Industry Center, 7, Beobwon-ro 11-gil, Songpa-gu, Seoul, Korea 05536, South Korea  
Product Name: 15W MINI SQUARE WIRELESS CHARGING STAND ALARM CLOCK  
FCC ID: 2A5K5-MC-W8  
Model(s): MC-W8

**2.911(d)(5)(i) EquipmentType**

We, [Mooas Inc.] (the applicant) certify that the equipment for which authorization is sought through certification is not:

- Prohibited from receiving an equipment authorization pursuant to § 2.905 of the FCC rules.
- Identified as an equipment type in the "Covered List".

Yours sincerely,

Name: Choi woo Mun Date: April 26, 2023

Title: CEO  
Company name: Mooas Inc.

Signature: 

**NOTE 1**  
"Covered List" is the List of Equipment and Services Covered By Section 2 of The Secure Networks Act, available at <http://www.fcc.gov/encyclopedia/255SearchResultPage.cfm?WebURL=255CoveredList>

**References:**  
1) 988-448 DSD Covered Equipment v01 <http://www.fcc.gov/encyclopedia/255SearchResultPage.cfm?WebURL=255CoveredList>  
2) Federal Register document 2022-28262 published on 03/09/23 <http://www.federalregister.gov/documents/2022/03/09/2022-28262/under-the-national-security-threats-to-the-computer-networks-security-act-through-the>

2A5K5-MC-W8 Equipment Type Information v2

Mooas Inc.

**Section 2.911(d)(7) USA Agent for Service of Process**

Company name: Mooas Inc.  
Address: C-819-822, Murejeong Hyundai Knowledge, Industry Center, 7, Beobwon-ro 11-gil, Songpa-gu, Seoul, Korea 05536, South Korea  
Product Name: 15W MINI SQUARE WIRELESS CHARGING STAND ALARM CLOCK  
FCC ID: 2A5K5-MC-W8  
Model(s): MC-W8

**2.911(d)(7) USA Designated Agent for Service of Process**

We, [Mooas Inc.] (the applicant) designate [USA MEIHUA TRADING INC]<sup>TM</sup> for the service of process in the United States to receive, on our behalf, all process in the applicable equipment.

**Agent consent:** We acknowledge our consent to accept service of process in the United States for any claims or disputes arising out of or relating to the applicable equipment, including all markings and importation of the applicable equipment within the U.S., or the conclusion of any Commission-related administrative or judicial proceeding involving the equipment, wherever it is sit.

**Agent obligations:** We acknowledge our obligation to accept service of process in the United States for any claims or disputes arising out of or relating to the applicable equipment, including all markings and importation of the applicable equipment within the U.S., or the conclusion of any Commission-related administrative or judicial proceeding involving the equipment, wherever it is sit.

**USA Agent**

Applicant:	Company name: USA MEIHUA TRADING INC Address: 5379 Pine Valley Ct Boulder CO 80301 United States FCC Registration Number (FRN): 0033406166 Contact Name: Harley Quinn Telephone No.: 1-303-363-9424 Email: meihua-trading-inc@hotmail.com
Company:	Company name: Mooas Inc. Address: C-819-822, Murejeong Hyundai Knowledge, Industry Center, 7, Beobwon-ro 11-gil, Songpa-gu, Seoul, Korea 05536, South Korea Product Name: 15W MINI SQUARE WIRELESS CHARGING STAND ALARM CLOCK Model Number(s): MC-W8

We authorise MiCOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA, to act on our behalf on all matters concerning the certification of above named equipment.

We declare that MiCOM Labs Inc. is allowed to forward all information related to the approval and certification of equipment to the regulatory agencies as required and to discuss any issue concerning the certification of above named equipment and carried out by MiCOM Labs on our behalf shall have the same effect as acts of our own.

2A5K5-MC-W8 Agent v2

Mooas Inc.

**Agent Authorization**

Company: Mooas Inc.  
Address: C-819-822, Murejeong Hyundai Knowledge, Industry Center, 7, Beobwon-ro 11-gil, Songpa-gu, Seoul, Korea 05536, South Korea  
Product Name: 15W MINI SQUARE WIRELESS CHARGING STAND ALARM CLOCK  
Model Number(s): MC-W8

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2A5K5-MC-W8 Agent v2

**Signature:**  **Date:** April 26, 2023

**Name:** Choi woo Mun  
**Title:** CEO  
**Company:** Mooas Inc.

## Mooas Inc. 15W Mini Square Wireless Charging Stand Alarm Clock FCC Certification

**FCC Section 2.911(d)(5)(i) Equipment Type Attestation for the Mooas Inc. 15W Mini Square Wireless Charging Stand Alarm Clock (FCCID: 2A5K5-MC-W8, Model: MC-W8).** This document certifies compliance with FCC rules regarding equipment authorization.

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## Mooas Inc. USA Agent for Service of Process - 15W Wireless Charger MC-W8

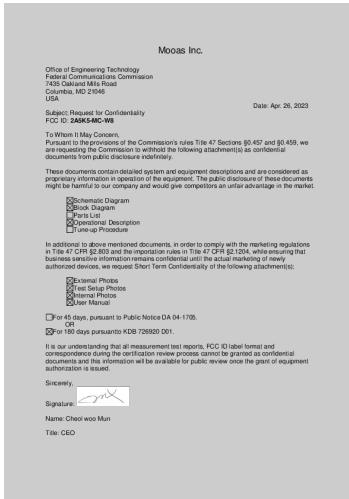
Official declaration from Mooas Inc. designating USA MEIHUA TRADING INC as the agent for service of process in the United States for the 15W Mini Square Wireless Charging Stand Alarm Clock (FCC ID: 2A5K5-MC-W8, Model: MC-W8).

lang:en score:34 filesize: 68.55 K page\_count: 2 document date: 2023-04-26

## Mooas Inc. Agent Authorization for MC-W8 Wireless Charging Stand

Agent authorization document from Mooas Inc. for the MC-W8 15W Mini Square Wireless Charging Stand Alarm Clock, authorizing MiCOM Labs Inc. for regulatory certification processes.

lang:en score:34 filesize: 12.13 K page\_count: 1 document date: 2023-04-26



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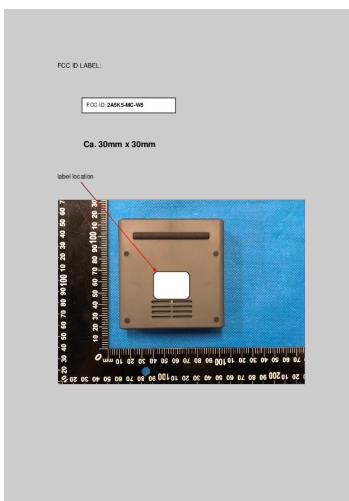
Microsoft Word FCC Short Long Term Confidentiality Request Rev4 1 Administrator Mooas Inc MC W8

2A5K5 2A5K5MCW8 mc w8

Mooas Inc. Office of Engineering Technology Federal Communications Commission  
7435 Oakland Mills Road Columbia, MD 21046 USA Subject: Request for

Confidentiality FCC ID: 2A5K5-**MC-W8** Date: Apr. 26, 2023 To Whom It May Concern,  
Pursuant to the provisions of the Commission's rules Title 47 Sections ...

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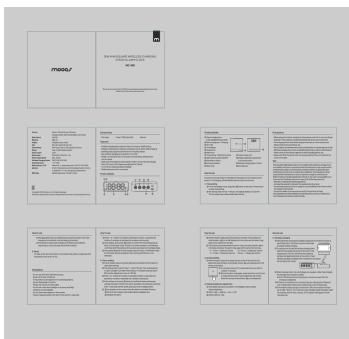
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## [pdf] User Manual

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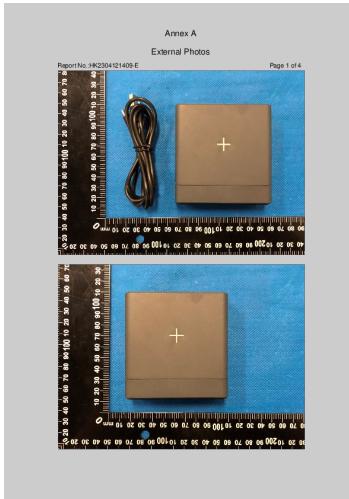
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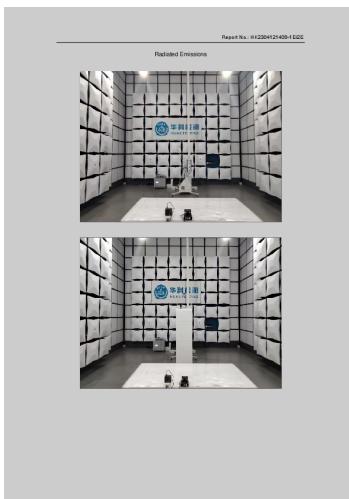
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