



# Remote Control System

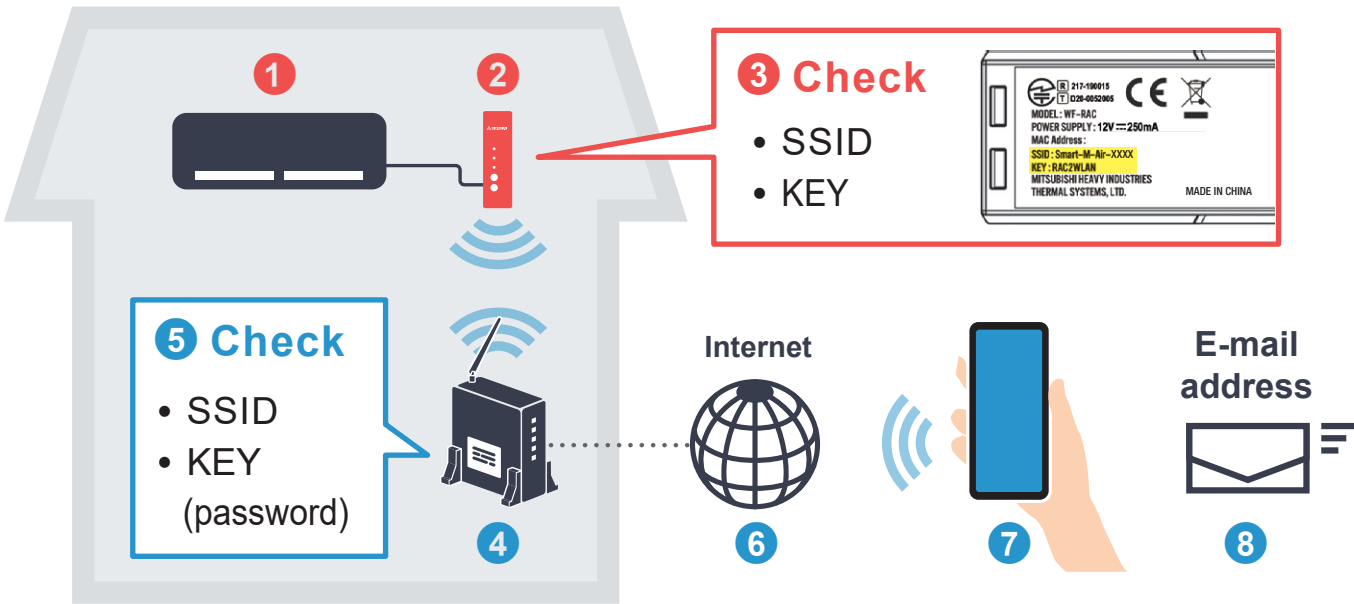
Wireless LAN interface (WF-RAC)

## Setup Quick Guide

Mitsubishi Heavy Industries Thermal Systems, Ltd.



STEP 1	Items to prepare: 8	Air Conditioner Peripherals and Internet Connection Environment
STEP 2	Preparations on the Air Conditioner Side	Wireless LAN interface
STEP 3	Preparations on the Smartphone Side	Application Download
STEP 4	Remote Control Application Settings	User Registration/Login
STEP 5	Connecting the Air Conditioner to Your Smartphone	Network Connection Method
Others	Firmware Update Method	



Around the air conditioner

**1 Room air conditioner**  
(Mitsubishi Heavy Industries Thermal Systems, Ltd.)

**2 Wireless LAN interface** **WF-RAC**

**3 SSID and KEY** **WF-RAC** Shown on the back.

\* Check the information on the back of the wireless LAN interface.

Internet environment

**4 Wireless LAN router**

\* Cannot be connected using a WEP-only router. A mobile router is not recommended.

**5 SSID and KEY (password)**

\* Check the information on the back of the wireless LAN router, etc.

**6 Internet connection environment**

**7 Smartphone / Tablet PC**

Connected to a wireless LAN router (Wi-Fi connection).

● **Android™ 8 - 13** (Android tablet is supported)

● **iOS12 - 16** (iPad is not supported)

As of January 2024

\* Correct operation or display may not be possible depending on the OS version.

Check the information about the latest supported OS version at each application store.

For Android



For iOS (iPhone)



**8 E-mail address** (for user registration)

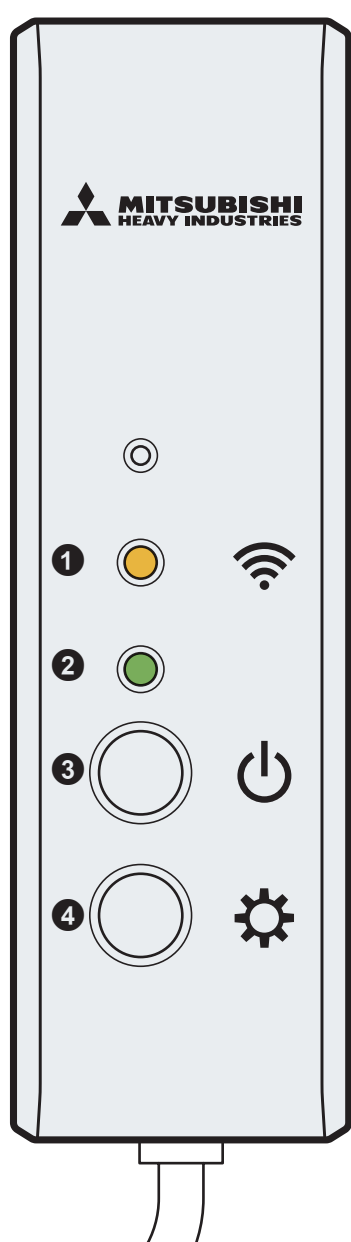
\* Must be able to receive e-mails from smartmair.com

**\* To request installation of WF-RAC  
on the room air conditioner,  
contact the sales outlet for the product or  
an authorized dealer.**

## WF-RAC

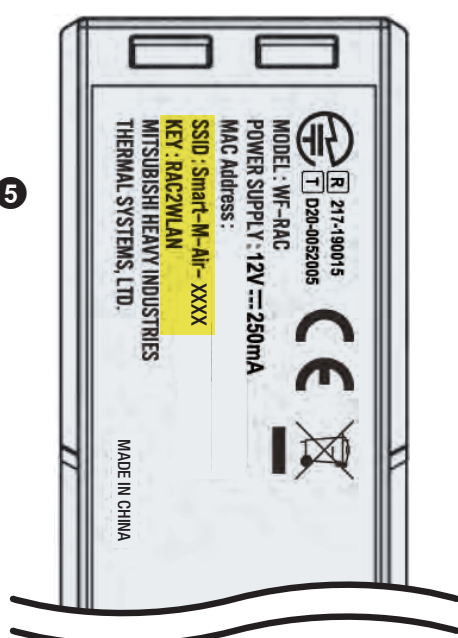
## Wireless LAN interface

Front side



- ① Communication LED
- ② Running LED
- ③ Power button
- ④ Set button

Back side



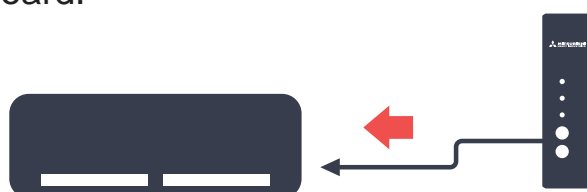
- ⑤ SSID and KEY indicated.

### 1. Connect to the room air conditioner

- ① Turn off the air conditioner circuit breaker.

\* If you do not turn off the circuit breaker, it may cause a malfunction.

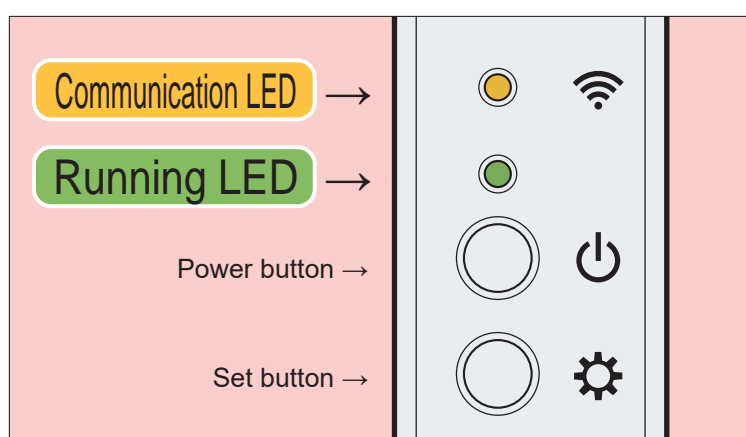
- ② Connect the wireless LAN interface to the terminal (CNS) on the indoor control board.



- ③ Conceal the wiring, attach the room air conditioner cover, securely attach the holder, and set the wireless LAN interface.

### 2. Operation check

- ④ Turn on the circuit breaker, and turn on the power of the room air conditioner.
- ⑤ Make sure that the Communication LED (orange) and the Running LED (green) turn on and off for approximately 10 seconds.



### If an abnormality occurs

If the Communication LED and Running LED blink alternately at 10-second intervals, turn off the air conditioner circuit breaker, and check connection at CNS terminal.

## Download the remote control application "Smart M-Air".



- ① Connect your smartphone and the router via Wi-Fi.
- ② How to install the "Smart M-Air" smartphone application.

### For Android

1. Open [Google Play].
2. Search for [Smart M-Air].
3. Install the application according to the instructions on the screen.

**Click here  
for Android**



### For iOS (iPhone)

1. Open [App Store].
2. Search for [Smart M-Air].
3. Install the application according to the instructions on the screen.

**Click here  
for iOS (iPhone)**



**(iPad is not supported. Android tablet is supported.)**

- The application is free. Communication data charges by others are applied to download and operate.
- The application name "Smart M-Air" and download service names "Google Play" and "App Store" may be changed in the future.
- For the settings, contents, and latest supported OS of the application, refer to our home page or the User's Manual on our home page.
- "Android" and "Google Play" are trademarks or registered trademarks of Google LLC.
- "iPhone" is a trademark of Apple Inc. registered in the U.S. and other countries.
- App Store is trademark of Apple Inc.
- "Wi-Fi" and "Wi-Fi Protected Setup" is a trademark or registered trademark of Wi-Fi Alliance.
- Other company names and product names that appear in this manual are trademarks or registered trademarks of their respective companies.



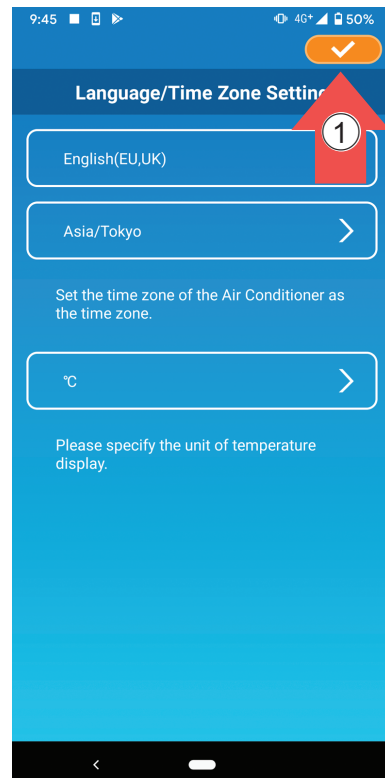


## Set "Smart M-Air"

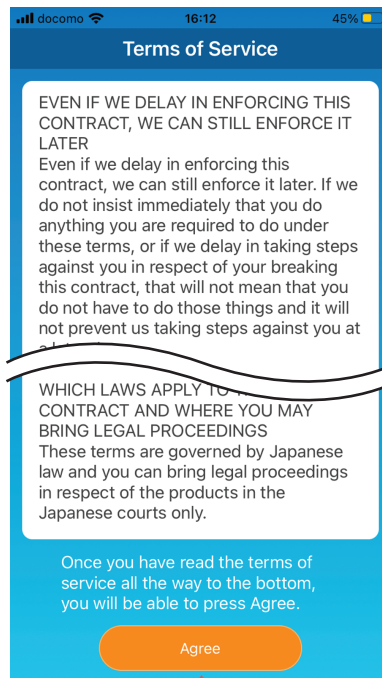
- ① Start the application, select the language to use, time zone, and temperature unit on the "Language/Time Zone Setting" screen, and tap [✓].
- ② After reading and confirming the "Terms of Service", tap the [Agree] button.
- ③ Tap the [Operate Air Conditioner] button on the Start screen.
- ④ Tap [Create an Account] on the "Log in" screen.
- ⑤ Read and confirm "Handling of Personal Information", and tap the [Agree] button.

\* The Smart M-Air icon and screens are subject to change without notice depending on the version of the application.

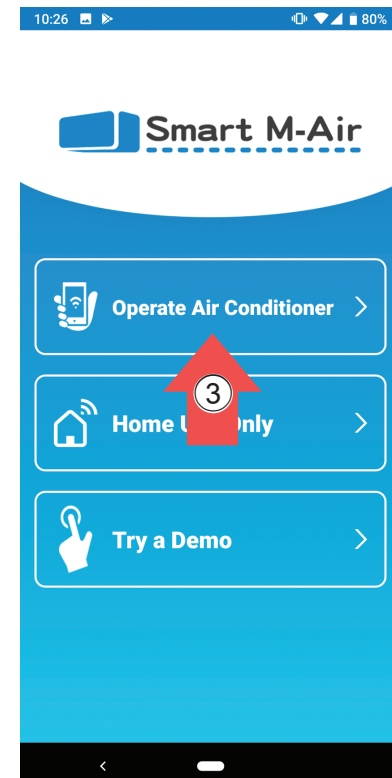
① Language/Time Zone Setting



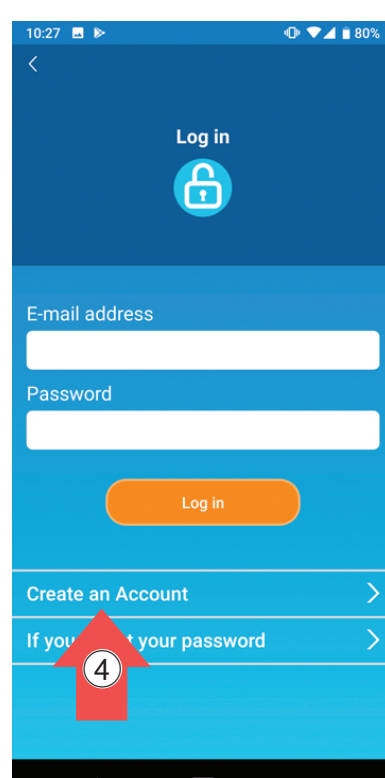
② Terms of Service



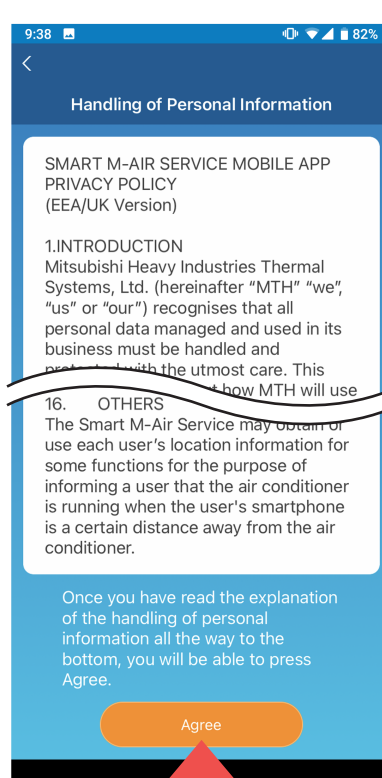
③ Start screen



④ Creating user account



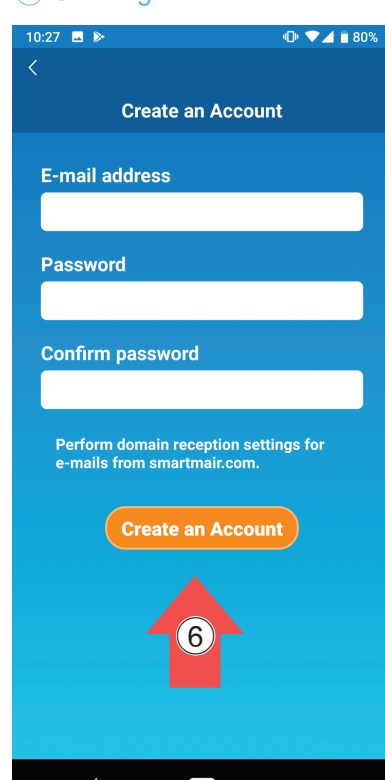
⑤ Handling of Personal Information



## Creating user account

- ⑥ Enter the **E-mail address** and **Password**, and tap [Create an Account].

⑥ Creating user account



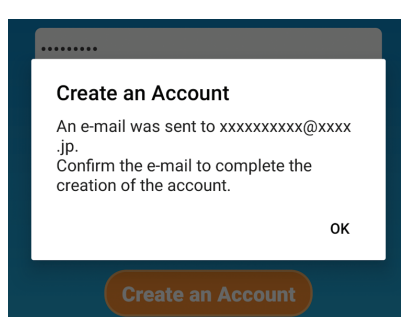
**E-mail address**



**Password**

A password must be between 8 to 16 characters including at least one alphabet character and one numeric character.

The email containing the URL of the authentication screen will be sent to the email address you entered, **so please tap the URL within 24 hours to complete the account creation.**



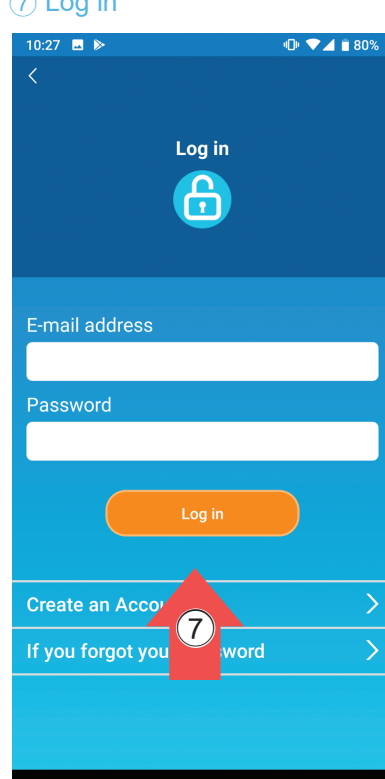
\* If you do not tap within 24 hours, you will be required to carry out user registration again.

\* Only one device (smartphone / tablet PC) can be used per account.  
Do not use the same account on multiple devices.

## Log in

- ⑦ Log in from the "Log in" screen.

⑦ Log in



**E-mail address**

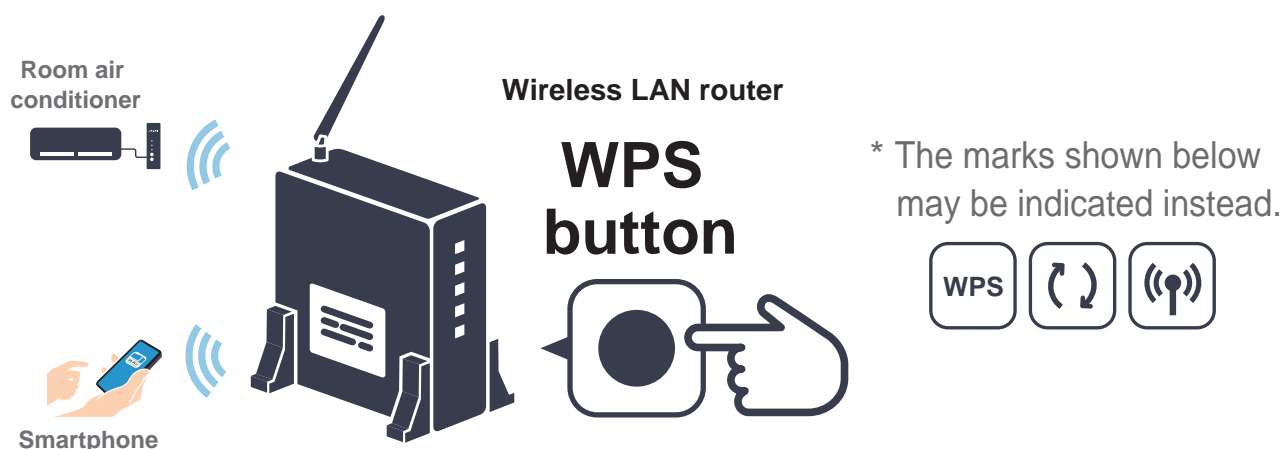


**Enter the password**



# Application Settings completed

## Q. Does your wireless LAN router have a "WPS" button?



### When the button is provided

(Use the WPS function of the router)



To A-1

#### WPS (quick setup function)

Use when you connect to the router only by operating button.

\* WPS indicates a connection by Wi-Fi Protected Setup.

### If you do not know

(Use the AP function of the router)



To B-1

#### AP

Use when you connect to the router by entering and setting SSID and KEY (password).

**When configuring the wireless LAN settings,  
turn off the air conditioner operation.**

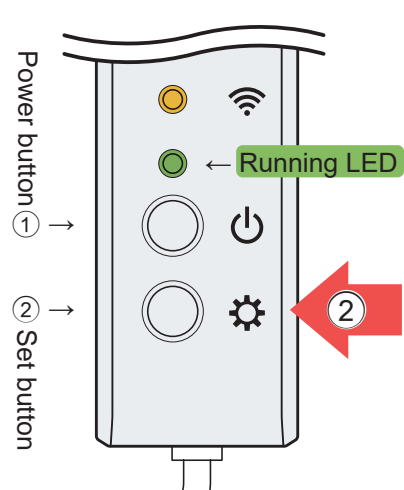
## When the WPS button is provided

(Use the WPS function of the router)

When configuring the wireless LAN settings, turn off the air conditioner.

A-1

Use the WPS button to establish a connection between the router and the interface.



### ● On the Wireless LAN Interface:

- ① Hold down the Power button for 2 or more seconds. The Running LED (green) lights up.
- ② Short press the Set button (less than 2 seconds). The Running LED (green) blinks.

Short press for less than 2 seconds

### ● On the Wireless LAN router:

- ③ Press the "WPS button".



- The mark and operation method of the WPS button differs depending on the router. For details, refer to the manual provided with the router.

- ④ When the connection is established, the Communication LED of the wireless LAN interface lights up orange for 2 seconds.

Wireless LAN interface



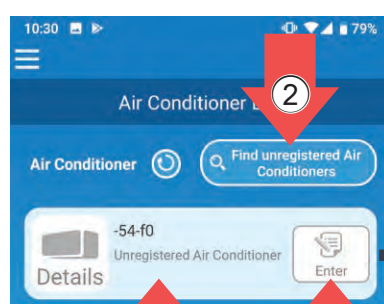
A-2

Register the air conditioner in the application and complete the connection procedure.

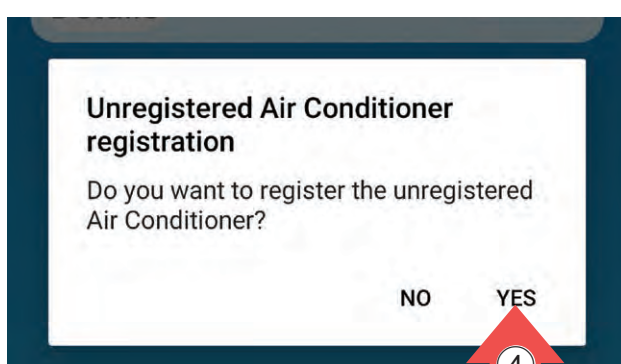
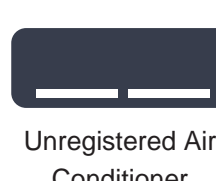


- ① Launch the "Smart M-Air" application on your smartphone.

### ② Air Conditioner List

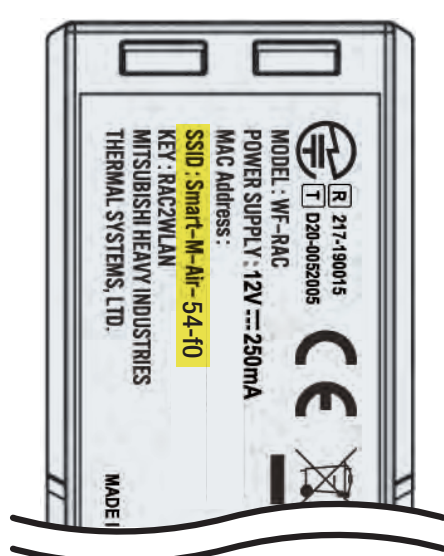


- ② Tap the [Find unregistered Air Conditioners] button on the "Air Conditioner List" screen.
- ③ If the room air conditioner you are using is displayed as [Unregistered Air Conditioner],
- ④ Tap the [Enter] button and tap [YES].

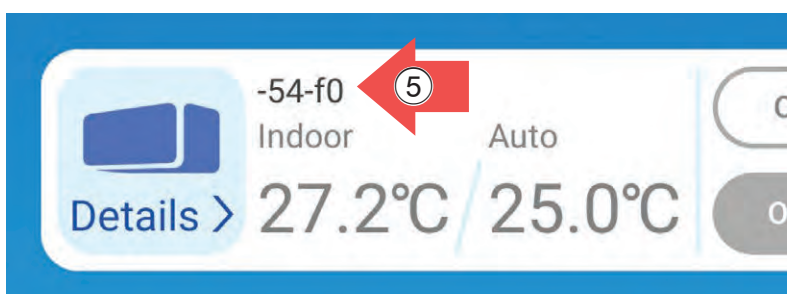


\* Connect your smartphone to the wireless LAN router that is connected to the air conditioner.

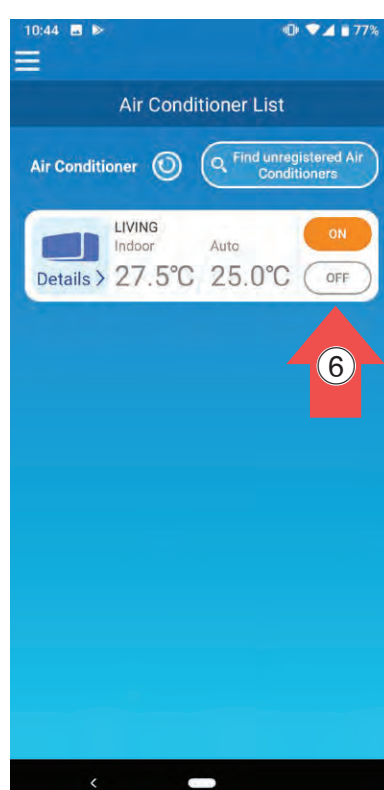
### ⑤ Back side of Interface



- ⑤ Confirm that the last 4 digits of the SSID on the label on the back side of the wireless LAN interface are displayed as the name of the air conditioner, and complete the registration procedure.



### ⑥ Air Conditioner List



- ⑥ The air conditioner information is acquired. Confirm that the air conditioner runs or stops when you tap the [ON] or [OFF] button, and complete the connection procedure.

# Connection completed

Room air conditioner

Smartphone



If you cannot connect, use the following "AP" function. (To B-1)



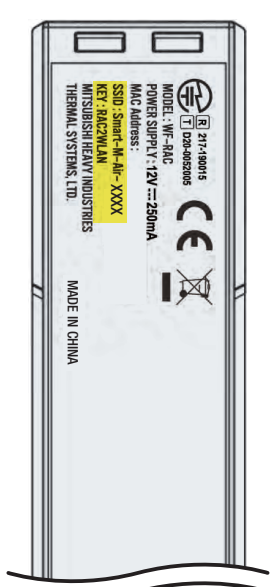
## If you do not know (Use the AP function of the router)

When configuring the wireless LAN settings, turn off the air conditioner.

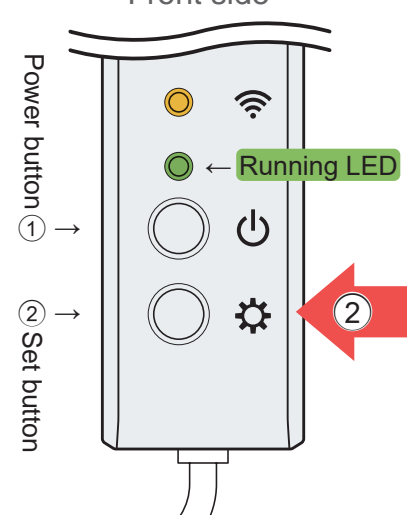
B-1

On your smartphone, open a communication between the interface and your smartphone.

Back side



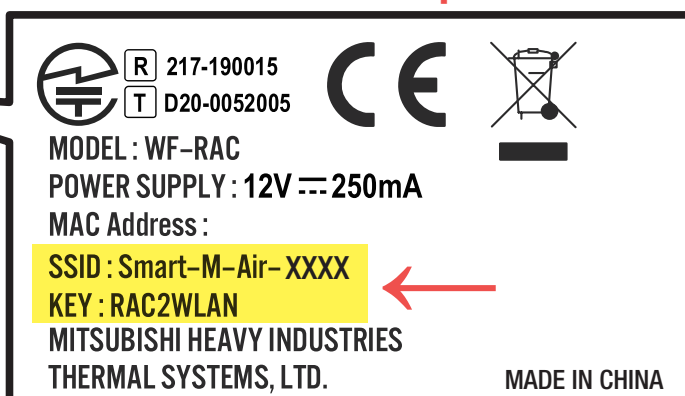
Front side



Smartphone



- **SSID and KEY** shown on the back side of the wireless LAN interface **are required**.



They are used to enter this information into your smartphone in step ④.

- **On the Wireless LAN Interface:**

- ① Hold down the Power button for 2 or more seconds. The Running LED (green) lights up.
- ② **Hold down the Settings button for 2 or more seconds.**

The Running LED (green) blinks. (Lights up for 2 seconds and turns off for 0.5 seconds.)

**Hold down for more than 2 seconds**

- **On your Smartphone:**

- ③ Open the "Wi-Fi" or "Connection" screen from "Settings".
- ④ Tap the network name that matches the "SSID" of the wireless LAN interface you confirmed, and enter "KEY" for the password.

(Example) SSID : Smart-M-Air-XXXX  
KEY : RAC2WLAN

- ⑤ Connect the smartphone to the wireless LAN interface.

Wireless LAN interface

Connected

Smartphone

B-2

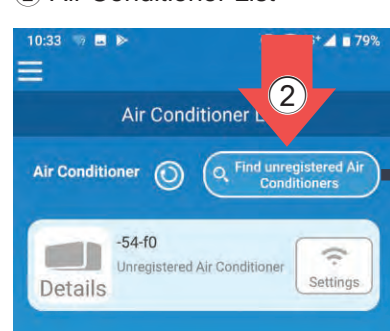
Register the air conditioner in the application and complete the connection procedure.

①



- ① Launch the "Smart M-Air" application on your smartphone.

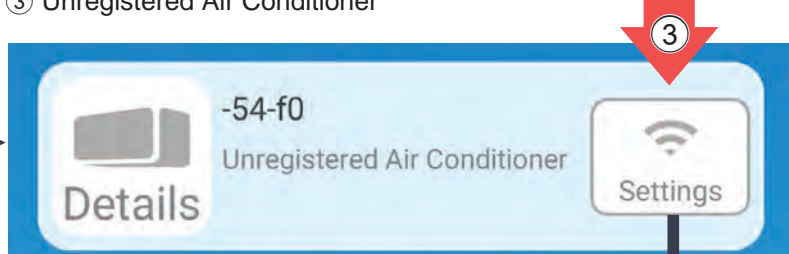
② Air Conditioner List



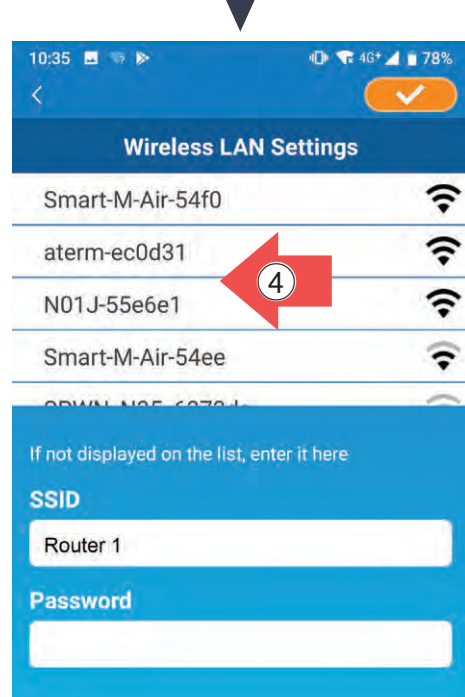
- ② Tap the [Find unregistered Air Conditioners] button on the "Air Conditioner List" screen.

- ③ Tap the [Setting] button from "Unregistered Air Conditioner".

③ Unregistered Air Conditioner



④ Wireless LAN Settings



- ④ Tap [SSID] of the wireless LAN router you are using, and enter the password. Tap the [✓] mark in the upper right corner to complete the air conditioner registration procedure.

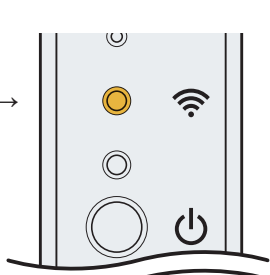
- **Wireless LAN router you are using**

- **SSID**
- **KEY**  
(password)



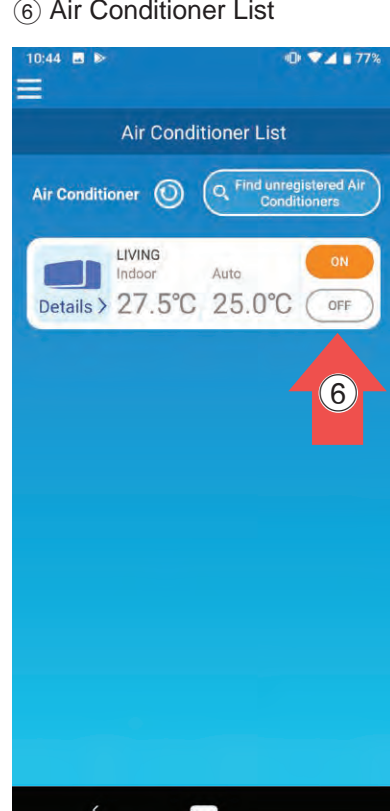
If the "SSID" of the router is not displayed in the list on the "Wireless LAN Settings" screen, enter the "SSID" name directly.

⑤ Communication LED



- ⑤ When the connection is complete, the Communication LED of the wireless LAN interface lights up orange for 2 seconds.

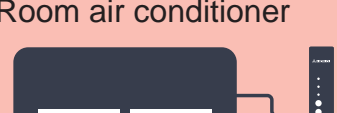
⑥ Air Conditioner List



- ⑥ The air conditioner information is acquired. Confirm that the air conditioner runs or stops when you tap the [ON] or [OFF] button, and complete the connection procedure.

**Connection completed**

Room air conditioner



Smartphone

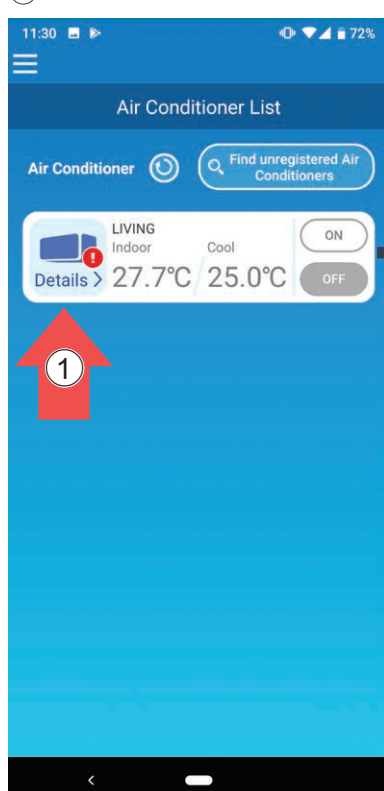


## Precautions concerning connecting to the router

- \* If you fail to connect even after confirming the screen again, the number of devices connected with the wireless LAN router may have reached its upper limit, or the router may not be operating or may have failed. Therefore, check the wireless LAN router according to the user's manual of the router.
- \* If the Internet line is disconnected, contact your Internet provider for confirmation.
- \* Configure wireless LAN settings while the air conditioner is turned off.

**\* To update, turn off the air conditioner displayed in the application.**

① Air Conditioner List

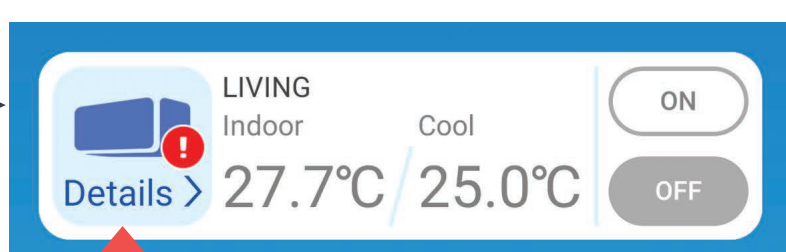


- ① When the exclamation mark is attached to the icon of the "Air Conditioner List" screen.

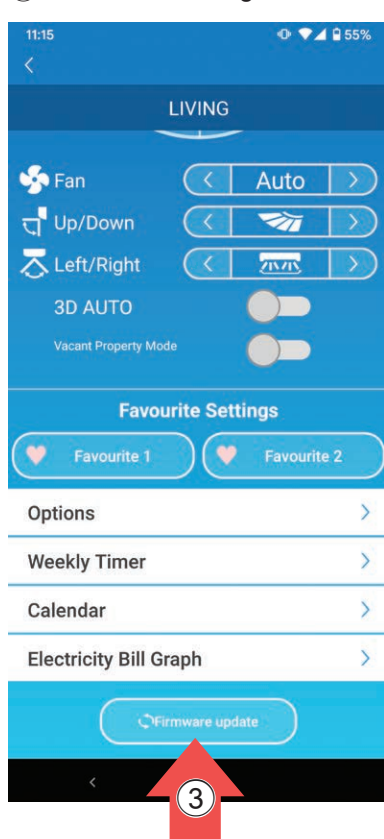


If the firmware of your wireless LAN interface is not up to date, the icon with the exclamation mark ! (above) appears on the "Air Conditioner List" screen.

- ② Select the target air conditioner from the "Air Conditioner List".

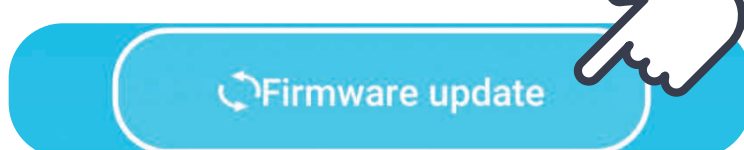


③ Details of the target air conditioner



- ③ Update it on the screen.

**Tap the  
[Firmware update]  
button at the  
bottom.**



## CAUTION

- Perform the firmware update in the same wireless LAN area as the air conditioner.
- Please turn off the air conditioner in advance.
- If firmware update is disabled, the button is not enabled.

The firmware update takes 10 minutes (Max).

The operation from the application is not accepted during that period.

If after 10 minutes (Max) the "Firmware update" button appears, retry the firmware update.

## Cannot update the firmware.

You cannot update the firmware during operation or internal clean operation (fan operation display). Stop the air conditioner before updating the firmware. The system may fail to recognize the wireless LAN interface depending on the wireless LAN connection environment. In such a case, operation may be possible with the following steps.

- Tap the Update button.
- Turn off the Wi-Fi function of your smartphone, then turn it on again.
- Reset the wireless LAN interface.

If operation is still not possible even after the above-mentioned steps have been completed, check the Internet environment.

**If you still cannot connect after configuring the settings described above, download relevant manuals from our website or the button below, and check them.**

**Click here for the relevant manuals.**



**If you have any questions, please contact the sales outlet for the product.  
If you do not know the sales outlet, please refer to the following website.**

MITSUBISHI HEAVY INDUSTRIES  
THERMAL SYSTEMS, LTD.  
2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo, 100-8332,  
Japan  
<https://www.mhi-mth.co.jp/en/>

MITSUBISHI HEAVY INDUSTRIES  
AIR-CONDITIONING EUROPE, LTD.  
5 The Square, Stockley Park, Uxbridge, Middlesex,  
UB11 1ET, United Kingdom  
Tel : +44-333-207-4072  
Fax: +44-333-207-4089  
<https://www.mhia.com/>

MHIAE SERVICES B.V.  
(Wholly-owned subsidiary of MITSUBISHI HEAVY  
INDUSTRIES AIR-CONDITIONING EUROPE, LTD.)  
Herikerbergweg 238, Luna Arena, 1101 CM Amsterdam, Netherlands  
P.O.Box 23393 1100 DW Amsterdam, Netherlands  
Tel : +31-20-406-4535  
<http://www.mhiaeservices.com/>

MITSUBISHI HEAVY INDUSTRIES  
AIR-CONDITIONERS AUSTRALIA, PTY. LTD.  
Block E, 391 Park Road, Regents Park, NSW,  
2143 PO BOX 3167, Regents Park, NSW, 2143  
Tel : +61-2-8774-7500  
Fax: +61-2-8774-7501  
<https://www.mhiae.com.au>