



**INSTALLATION MANUAL  
INSTALLATIONSHANDBUCH  
MANUEL D'INSTALLATION  
INSTALLATIEHANDLEIDING  
MANUAL DE INSTALACIÓN  
MANUALE DI INSTALLAZIONE  
ΕΓΧΕΙΡΙΔΙΟ ΟΔΗΓΙΩΝ ΕΓΚΑΤΑΣΤΑΣΗΣ  
MANUAL DE INSTALAÇÃO  
INSTALLATIONS MANUAL  
INSTALLATIONS MANUAL  
РЪКОВОДСТВО ЗА МОНТАЖ  
INSTRUKCJA MONTAŻU  
INSTALLERINGS HÅNDBOK  
ASENNUSOPAS  
PŘÍRUČKA PRO INSTALACI  
NÁVOD NA INŠTALÁCIU  
TELEPÍTÉSI KÉZIKÖNYV  
NAMESTITVENI PRIROČNIK  
MANUAL DE INSTALARE  
PAIGALDUSJUHEND  
MONTĀŽAS ROKASGRĀMATA  
MONTAVIMO VADOVAS  
PRIRUČNIK ZA POSTAVLJANJE  
UPUTSTVO ZA UGRADNJU  
MONTAJ EL KİTABI  
ПОСІБНИК ІЗ МОНТАЖУ**

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- en** Go to the above website and choose language to download INSTALLATION MANUAL.
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- el** Αυτό το εγχειρίδιο είναι συνοπτικό. Μεταβείτε στον παραπάνω ιστότοπο και επιλέξτε γλώσσα, για να κατεβάσετε την πλήρη έκδοση του ΕΓΧΕΙΡΙΔΙΟΥ ΟΔΗΓΙΩΝ ΕΓΚΑΤΑΣΤΑΣΗΣ.
- pt** Este manual é uma versão abreviada. Aceda ao site Web acima indicado e seleccione o idioma para transferir a versão completa do MANUAL DE INSTALAÇÃO.
- da** Denne manual er en kort version. Gå til ovenstående hjemmeside, og vælg sprog for at hente den fulde version af INSTALLATIONS MANUAL.
- sv** Den här manualen är en kort version. Gå till webbplatsen ovan och välj språk för att ladda ned den fullständiga versionen av INSTALLATIONS MANUALEN.
- bg** Това ръководство е съкратена версия. Посетете горепосочения уебсайт и изберете език, за да изтеглите пълната версия на РЪКОВОДСТВОТО ЗА МОНТАЖ.

- pl** Niniejsza instrukcja to wersja skrócona. Odwiedź powyższą stronę internetową i wybierz język, aby pobrać pełną wersję INSTRUKCJI MONTAŻU.
- no** Denne håndboken er en kortversjon. Gå til nettstedet ovenfor og velg språk for å laste ned fullversjonen av INSTALLERINGSHÅNDBOK.
- fi** Tämä opas on lyhyt versio. Siirry yllä olevalle verkkosivustolle, valitse kieli ja lataa ASENNUSOPPAAN täydellinen versio.
- cs** Tato příručka je zkrácenou verzí. Přejděte na výše zmíněnou webovou stránku a vyberte jazyk ke stáhnutí plné verze PŘÍRUČKY PRO INSTALACI.
- sk** Toto je stručná verzia návodu. Prejdite na vyššie uvedenú webovú stránku a zvolte si jazyk na stiahnutie úplnej verzie NÁVODU NA INŠTALÁCIU.
- hu** Ez a kézikönyv egy rövidített verzió. Látogasson el a fenti webhelyre, és a nyelv kiválasztása után töltse le a TELEPÍTÉSI KÉZIKÖNYVET teljes verzióját.
- sl** Ta priročnik je samo kratka različica. Obiščite zgoraj navedeno spletno mesto in izberite jezik, da prenesete polno različico datoteke za NAMESTITVENI PRIROČNIK.
- ro** Acest manual este o versiune simplificată. Accesați site-ul web de mai sus și alegeți limba pentru a descărca versiunea completă a MANUALULUI DE INSTALARE.
- et** See on juhendi lühiversioon. PAIGALDUSJUHENDI täisversiooni allalaadimiseks minge eelnimetatud veebisaidile ja valige keel.
- lv** Šī rokasgrāmata ir saīsināta versija. Lai lejupielādētu pilno MONTĀŽAS ROKASGRĀMATAS versiju, apmeklējiet iepriekš norādīto tīmekļa vietni un izvēlieties attiecīgo valodu.
- lt** Šiame vadove pateikta trumpoji versija. Apsilankykite pirmiau minėtoje interneto svetainėje, pasirinkite kalbą ir parsisiųskite išsamią MONTAVIMO VADOVO versiją.
- hr** Ovaj je priručnik kratka inačica. Posjetite gore navedeno mrežno mjesto i izaberite jezik kako biste preuzeli potpunu inačicu PRIRUČNIKA ZA UGRADNJU.
- sr** Ovaj priručnik je skraćena verzija. Posetite gorenaveden veb-sajt i izaberite jezik da biste preuzeli kompletnu verziju UPUTSTVA ZA UGRADNJU.
- tr** Yukarıdaki web sitesine gidin ve MONTAJ EL KİTABI dosyasını indirmek için dil seçimini yapın.
- uk** Перейдіть за вказаним вище посиланням на сайт і оберіть мову, щоб завантажити ПОСІБНИК ІЗ МОНТАЖУ.

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## About Wi-Fi interface

This Wi-Fi interface, communicates the status information and controls the commands from the MELCloud by connecting to an indoor unit.

- Some indoor units are not compatible with the Wi-Fi interface. Make sure that the indoor unit is compatible with the Wi-Fi interface before attempting to install the Wi-Fi interface.
- Wi-Fi® is a registered trademark of Wi-Fi Alliance®

## 1. Safety precautions

- Read all Safety Instructions before installation, setting up, or use of the Wi-Fi interface.
- This installation manual contains important safety information. Be sure to comply with the instructions.
- After installing the Wi-Fi interface, provide this installation manual for the user. Instruct users to store it with their indoor unit instruction manual in a safe location.

### [Precautions for installation]

## Warning

(Improper handling may have serious consequences, including serious injury or death.)

- **Do not install the Wi-Fi interface by yourself (user).**  
Improper installation may result in fire, electric shock, injury due to fall of the Wi-Fi interface, or water leaks. Consult the dealer from whom you purchased the Wi-Fi interface or professional installer.
- **The Wi-Fi Interface should be securely installed in accordance with this installation manual.**  
Improper installation may result in fire, electric shock, or damage, or fall of the Wi-Fi interface.
- **The Wi-Fi interface should be mounted in a location that can support its weight.**  
If the Wi-Fi interface is installed in a location that cannot support its weight, the Wi-Fi interface could fall and cause damage.
- **Connect and fasten the electric wires securely so external force on the wires will not apply on the terminals.**  
Improper connection and mounting may result in breakdown, heat generation, smoke generation, or fire.
- **Mitsubishi Electric's components or other designated components must be used for installation.**  
Improper component may result in fire, electric shock, or damage/water leaks.
- **Electric work must be performed by authorized personnel in accordance with the local regulations and the instructions detailed in the installation manual.**  
Inadequate circuit capacity or improper installation may result in electric shock or fire.
- **Do not connect the Wi-Fi interface to earth inside the indoor unit.**
- **Attach the electrical cover to the indoor unit securely.**  
If the electrical cover of the indoor units is not attached securely, it could result in a fire or an electric shock due to dust, water, etc.
- **When installing the Wi-Fi interface, use appropriate protective equipment and tools for safety.**  
Failure to do so could cause injury.
- **Turn off the breaker or unplug the power supply plug of the indoor unit when connecting the Wi-Fi interface.**  
Failure to do so could cause electric shock.
- **Make sure to connect the connector of the Wi-Fi interface to the printed circuit board of the indoor unit properly.**  
Incomplete connecting or mounting may result in broken wire, heat generation, smoke generation, or fire.

## Warning

(Improper handling may have serious consequences, including serious injury or death.)

- **Do not install the Wi-Fi interface nearby the automatic control devices such as automatic doors or fire alarms.**  
It can cause accidents due to malfunctions.
- **Do not disassemble, modify, or repair by yourself.**  
It can cause electric shock, fire, or injury.
- **Do not use the Wi-Fi interface nearby the medical electrical equipment or people who have a medical device such as a cardiac pacemaker or an implantable cardioverter-defibrillator.**  
It can cause an accident due to malfunctions of the medical equipment or device.
- **This equipment should be installed and operated with a minimum distance of 20 cm between the device and the user or bystanders.**
- **Install the Wi-Fi interface and the cable where users cannot reach them.**  
If an user touches or pulls them, electric shock or fall of the Wi-Fi interface may result.

## Caution

(Improper handling may have consequences, including injury or damage to building.)

- **To prevent damage from static electricity, touch a nearby metal body to discharge static electricity from yourself before touching the Wi-Fi interface.**  
Static electricity from the human body may damage the Wi-Fi interface unit.
- **Do not install the Wi-Fi interface in a place with much steam, such as bathroom.**  
Avoid places where water is splashed or where condensation forms on walls. Installing in such places can cause electric shock or breakdown.
- **Do not install the Wi-Fi interface in places with direct sunlight or where the ambient temperature is 40°C or more or is 0°C or less.**  
Direct sunlight and high or low temperature environments may cause the Wi-Fi interface to deform or breakdown.
- **Do not use in special environments.**  
Use in places with much oil (including machine oil), steam, or sulfuric gas may lead to severe decrease in functionality and damage to parts.
- **Turn off power supply of connected equipment when performing construction or wiring work.**  
Failure to turn off the power supply to the connected equipment may lead to malfunction or breakdown of the Wi-Fi interface or connected equipment.
- **The connecting cable must not touch piping directly.**
- **Do not use the Wi-Fi interface nearby other wireless devices, microwaves, cordless phones, or facsimiles.**  
It can cause malfunctions.
- **Do not mount the Wi-Fi interface where children can reach.**  
It can cause injury.

## [Precautions for setting up, or use of the Wi-Fi interface]

■ Meanings of symbols used in this manual

	Be sure not to do.		Be sure to follow the instruction.
	Never touch with wet hand.		Be sure to disconnect the power supply plug from the power outlet.
	Never splash water on the unit.		

### Warning

(Improper handling may have serious consequences, including serious injury or death.)

	<p>■ <b>Do not disassemble, modify, or repair by yourself (user).</b> It can cause electric shock, fire, or injury.</p>		<p>■ <b>Do not touch the Wi-Fi interface with wet hands.</b> It can cause damage to the device, electric shock, or fire.</p>
	<p>■ <b>This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.</b></p>		<p> ■ <b>Do not splash water on the Wi-Fi interface or use it in a bathroom.</b> It can cause damage to the device, electric shock, or fire.</p>
	<p>■ <b>Children should be supervised to ensure that they do not play with the appliances.</b></p>		<p> ■ <b>Do not install the Wi-Fi interface by yourself (user).</b> Improper installation may result in fire, electric shock, or injury due to fall of the Wi-Fi interface. Consult the dealer from whom you purchased the Wi-Fi interface or professional installer.</p>
	<p>■ <b>This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.</b></p>		<p> ■ <b>If the Wi-Fi interface is dropped or its body or cable is damaged, disconnect the power supply plug or turn the breaker OFF.</b> It may cause fire or electric shock. In this case, consult your dealer.</p>
	<p>■ <b>Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.</b></p>		<p>■ <b>In case of an abnormal condition (such as a burning smell), stop the indoor unit and disconnect the power supply plug or turn the breaker OFF.</b> A continued operation in the abnormal state may cause a malfunction, fire, or electric shock. In this case, consult your dealer.</p>
	<p>■ <b>Do not use the Wi-Fi interface nearby the medical electrical equipment or people who have a medical device such as a cardiac pacemaker or an implantable cardioverter-defibrillator.</b> It can cause an accident due to malfunctions of the medical equipment or device.</p>		
	<p>■ <b>Do not install the Wi-Fi interface nearby the automatic control devices such as automatic doors or fire alarms.</b> It can cause accidents due to malfunctions.</p>		
	<p>■ <b>Do not touch the Wi-Fi interface or the cable without turning off the breaker.</b></p>		

## **Caution**

(Improper handling may have consequences, including injury or damage to building.)



- **Do not mount the Wi-Fi interface where children can reach.**  
It can cause injury.
- **Do not step on unstable stepstool to set up or clean the Wi-Fi interface.**  
It may cause injury if you fall down.



- **Do not use the Wi-Fi interface nearby other wireless devices, microwaves, cordless phones, or facsimiles.**  
It can cause malfunctions.

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### [Precautions for installation, setting up, or use of the Wi-Fi interface]

## **Note**

- Please ensure that the Router supports the WPA2-AES encryption setting and 2.4GHz before commencement of the installation of the Wi-Fi interface.
- The end user should read and accept the terms and conditions of the Wi-Fi service before commencement of the installation of the Wi-Fi interface.
- To fully connect the Wi-Fi interface to the Wi-Fi service, you may need a router and a smartphone compatible with Bluetooth® Low Energy 4.2 or later.
- The end user should set the connection password to one that is difficult to guess.
- The Wi-Fi interface will not commence transmission of any operational data from the system until the end user registers and accepts the terms and conditions of the Wi-Fi service.
- Do not place the Wi-Fi interface where it can be easily accessed by third parties.
- The Wi-Fi interface should not be installed and connected to any Mitsubishi Electric system which is to provide application critical cooling or heating.
- Please write down the model information and more on the last page "Setting information", when you install the Wi-Fi interface.

Mitsubishi Electric's Wi-Fi Interface is designed for communication to Mitsubishi Electric's MELCloud Wi-Fi service.

Third party Wi-Fi interfaces cannot be connected to MELCloud.

Mitsubishi Electric is not responsible for any (i) underperformance of a system or any product; (ii) system or product fault; or (iii) loss or damage to any system or product; which is caused by or arises from connection to and/or use of any third party Wi-Fi interface or any third party Wi-Fi service with Mitsubishi Electric equipment.

**For the latest information regarding MELCloud from Mitsubishi Electric Corporation, please visit [www.MELCloud.com](http://www.MELCloud.com).**

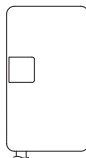
[About trademarks]

- The Bluetooth® word mark is registered trademarks owned by Bluetooth SIG, Inc.

## 2. Product Introduction








### PWR LED

Description	PWR LED Pattern
Power off	LED OFF
Booting	LED ON
Working	LED Flashing



**PWR LED**

## 3. Parts

①	Interface unit (with connecting cable)		1	④	Mounting cord clamp		1
②	Fixing screw for ⑥ 3.5 × 16 mm		2	⑤	Fastener (for bundling the wires)		1
③	Fixing screw for ④ 4 × 16 mm		1	⑥	Holder		1
				⑦	Clip		1



## 4. Connecting the Wi-Fi interface

(For details on each system, see the relevant instruction manual.)

Turn off the breaker of the air conditioner or the ATW unit before connecting the cable to the indoor unit.

Run the cable inside the wall or above the ceiling when installing the Wi-Fi interface.

Refer to the installation manual of each model for connecting instructions and details.

- (1) The connecting cable connected to a indoor unit (CN105) should be mounted at the indoor unit or its vicinity.

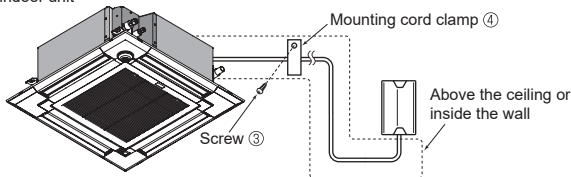
**When mounting the interface unit ① inside an indoor unit, refer to the installation manual of the indoor unit. Do not mount the interface unit ① inside the indoor unit, if not mentioned. Also, when installing the Wi-Fi interface, adjust the position and route the cables correctly so that the user does not touch the Wi-Fi cable.**

<Air conditioner>

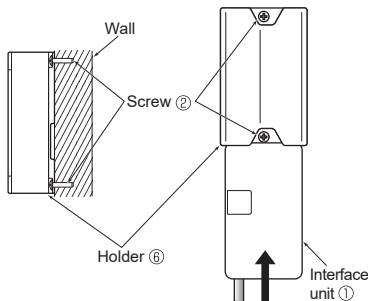
When mounting on the wall (Except when connecting to the wall mounted indoor unit)

The cable side of the interface unit ① should face downward.

- 4 way cassette indoor unit

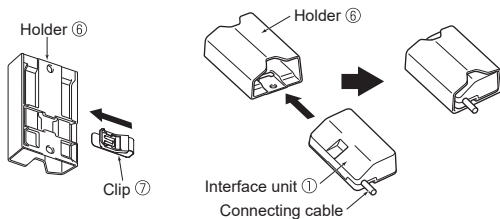


- Fix the holder ⑥ on the wall in the orientation shown in the figure below with the screw ②.  
Note: Tighten the upper and then the lower screw.
- Insert the interface unit ① into the holder ⑥ until it clicks.

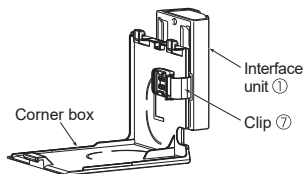


# When mounting on the outer side of indoor unit (Wall mounted indoor unit)

- Insert the clip ⑦ into the holder ⑥ until it clicks.
- Insert the interface unit ① into the holder ⑥ until it clicks.



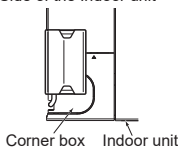
- Slip the clip ⑦ over the edge of corner box to fix the interface unit ①.  
Note: Mount the interface unit ① on the side of the indoor unit.



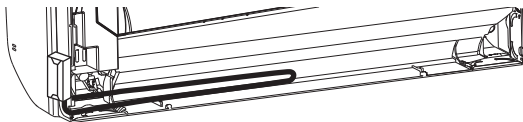
## Example of mounting on the left side of indoor unit

Note: Interface unit ① can also be mounted on the right side of the indoor unit.

Side of the Indoor unit



- To check the LED indication after setup, remove the interface unit ① from the holder ⑥.

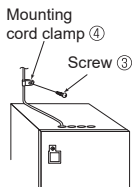
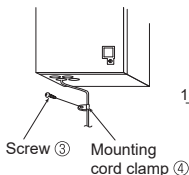
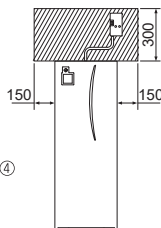
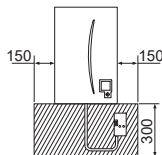


Run the connecting cable in the space on the back of the unit as shown in the above figure. Tuck cabling away and secure it.

Note: Make sure that the connecting cable will not get caught on or between the installation plate and the wall, or between the indoor unit and the installation plate.

Failure to do so may cause damage to the connecting cable resulting in communication problems.

Make sure that the connecting cable will not come out from the indoor unit.

**Cylinder unit****Hydrobox****Connecting to Cylinder unit****Connecting to Hydrobox**

Mount in the same procedure for air conditioner. Please refer to "When mounting on the wall" on page 6.

- (2) Turn on the breaker of the air conditioner or the ATW unit and check that the LED indication of the Wi-Fi interface enters the initial state shown on right.  
If the PWR LED continues to be in the LED ON state for 5 seconds or longer, there is likely a failure of the Wi-Fi interface or a firmware malfunction. Contact your dealer.

**Initial State**

PWR LED	Flashing
---------	----------

Setting up  
Download the MELCloud application.  
Please go to the website below.  
<https://www.melcloud.com/?qr=1>



For MELCloud User Manual, please go to the website below.  
<https://www.melcloud.com/Support>

## 5. Specifications

Input Voltage	DC12.7 V (from indoor unit)
Power consumption	MAX 2 W
Size H × W × D (mm)	73.5 × 41.5 × 18.5
Weight (g)	87 (including cable)
Transmitter power level (MAX)	20 dBm @IEEE 802.11b
RF channel	1ch ~ 13ch (2412~2472 MHz)
Radio protocol	IEEE 802.11b/g/n (20)
Encryption	AES
Authentication	WPA2-PSK
Software Ver	XX.00
Length of cable (mm)	2,040

For Declaration of Conformity, please go to the website below.  
<http://www.mitsubishielectric.com/ldg/ibim/>