MITSUBISHI ELECTRIC

UK CA   CE   ♲

ecodan
Wireless Remote Controller
PAR-WT60R-E
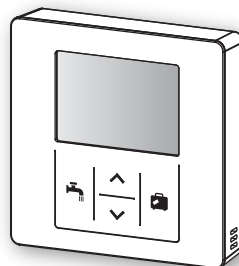
OPERATION MANUAL	FOR USER	**English (EN)**
BEDIENUNGSHANDBUCH	FÜR BENUTZER	**Deutsch (DE)**
MANUEL D'UTILISATION	POUR L'UTILISATEUR	**Français (FR)**
BEDIENINGSHANDLEIDING	VOOR DE GEBRUIKER	**Nederlands (NL)**
MANUAL DE INSTRUCCIONES	PARA EL USUARIO	**Español (ES)**
ISTRUZIONI DI FUNZIONAMENTO	PER L'UTENTE	**Italiano (IT)**
ΕΓΧΕΙΡΙΔΙΟ ΟΔΗΓΙΩΝ ΧΡΗΣΕΩΣ	ΓΙΑ ΤΟΝ ΧΡΗΣΤΗ	**Ελληνικά (EL)**
MANUAL DE OPERAÇÃO	PARA O UTILIZADOR	**Português (PT)**
DRIFTSMANUAL	TIL BRUGER	**Dansk (DA)**
DRIFTSMANUAL	FÖR ANVÄNDAREN	**Svenska (SV)**
РЪКОВОДСТВО ЗА ЕКСПЛОАТАЦИЯ	ЗА ПОТРЕБИТЕЛЯ	**Български (BG)**
INSTRUKCJA OBSŁUGI	INFORMACJA DLA UŻYTKOWNIKA	**Polski (PL)**
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NÁVOD NA OBSLUHU	PRE POUŽÍVATEĽA	**Slovenčina (SK)**
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MANUAL DE UTILIZARE	PENTRU UTILIZATOR	**Română (RO)**
KASUTUSJUHEND	KASUTAJALE	**Eesti (ET)**
LIETOŠANAS ROKASGRĀMATA	LIETOTĀJIEM	**Latviski (LV)**
NAUDOJIMO VADOVAS	SKIRTA NAUDOTOJUI	**Lietuviškai (LT)**
PRIRUČNIK ZA RUKOVANJE	ZA KORISNIKA	**Hrvatski (HR)**
UPUTSTVO ZA RUKOVANJE	ZA KORISNIKA	**Srpski (SR)**

For safe and correct use, please read this operation manual thoroughly before operating the PAR-WT60R-E wireless remote controller.

English

Contents

1 Safety Precautions

EN

Read thoroughly the following Safety Precautions before use.

● The following hazardous classification shows the likelihood and severity of hazards if a person does not follow the instructions contained on the following signs.

⚠ Warning	Indicates a hazardous situation which, if a person does not follow the instructions, could result in death or serious injury.
⚠ Caution	Indicates a potentially hazardous situation that, if a person does not follow the instructions, may result in bodily injury or property damage.

● Always keep this instruction manual ready at hand for quick reference. Provide this manual to the technician or installer in the event that the device is relocated or repaired. Or, if the ownership changes, hand this manual to the next owner.

⚠ Warning	
Check installation location.	Ensure that the device is placed on a hard and stable place to prevent the device from falling.
The device must not be modified or repaired by the user.	Modification or improper repair could cause electrical shock or fire and the like. For repair, contact the dealer where you purchased the device.
Stop operation when the device is malfunctioning.	Operating the malfunctioning device without repairing it could cause breakdown, electrical shock, fire or the like. Should anything abnormal, such as burning smell, occur, stop operation immediately, turn off power, and contact the dealer.
The device must not be disposed of by the user.	To dispose of the device, contact the dealer.
Do not let alkaline batteries become shorted or insert with polarity reversed. Also, do not disassemble, heat, or throw batteries in fire.	Leaked strong alkaline electrolyte could get into your eye, or explode, or generate heat. Injury, burns, or breakdown of the device could result. Should strong alkaline electrolyte come in contact with the skin or clothes, flush electrolyte with clean water. If electrolyte gets into your eye, flush with clean water and seek medical attention immediately.

⚠ **Caution**	
Do not drop the device.	This could break the case or break down the device.
Do not wipe the device with benzine, thinner, and a chemical impregnated cloth or the like.	The device could be discolored and damaged. If the dirt is hard to remove, wipe it with a well wrung-out cloth with diluted mild detergent, and dry moisture with a dry cloth.
Do not put hazardous materials around the device.	Avoid installing the device in the place where flammable gas may leak. Should leaked gas build up around the device, fire or explosion could occur.
Do not disassemble the device.	Direct contact with the control board inside is hazardous and also could result in fire, breakdown, and reduction in operating performance.
Do not use the device in particular environments.	Do not use the device in particular environments where the following substances are present in large amounts: oil, vapour, organic solvent, corrosive gas (such as ammonia, sulphuric compounds, and acid or the like) , or where acid or alkali solution, or particular sprays are used frequently. This could affect operating performance, or cause corrosion which could result in electrical shock, breakdown, smoke generation, or fire. (e.g. around kitchen sink, gas cooker, bath room, wash stand or the like)
Do not use sharp objects to touch the buttons.	Electric shock or breakdown may occur.
Do not wash the device with water or solution or the like.	Electric shock or breakdown may occur.
Do not touch the device with wet hands.	Electric shock or breakdown may occur.
Always observe the operating temperature and humidity requirements.	Always observe the operating temperature and humidity requirements. Otherwise severe damage to the device could result. For more details, refer to the specification table in this manual.

Observe the following and handle batteries properly. Otherwise it could result in explosion, leakage of electrolytic liquid, or heat generation.
    1) Do not charge the batteries.
    2) Place the batteries with correct polarities.
    3) Do not mix up new and old batteries or different types of batteries.
    4) When the batteries have run out, remove them from the device immediately.

■ **Disposal**

This symbol mark is for EU countries only.
This symbol mark is according to the directive 2002/96/EC Article 10 Information for users and Annex IV, and/or to the directive 2006/66/EC Article 20 Information for end-users and Annex II.
Your MITSUBISHI ELECTRIC product is designed and manufactured with high quality materials and components which can be recycled and/or reused. This symbol means that electrical and electronic equipment, batteries and accumulators, at their end-of-life, should be disposed of separately from your household waste. If a chemical symbol is printed beneath the symbol, this chemical symbol means that the battery or accumulator contains a heavy metal at a certain concentration.
This will be indicated as follows: Hg: mercury (0.0005%), Cd; cadmium (0.002 %), Pb: lead (0.004%)
In the European Union there are separate collection systems for used electrical and electronic products, batteries and accumulators.
Please, dispose of this equipment, batteries and accumulators correctly at your local community waste collection/recycling centre.
Please, help us to conserve the environment we live in!

2 | Product Outline

This device is a wireless remote controller system that transmits to the indoor unit* at a frequency of 868 MHz. The wireless remote controller allows the following settings without leaving your room: room temperature setting, forced DHW mode, and holiday mode.

Following are the features of the wireless remote controller:
- Room temperature is controlled according to the temperature monitored in a selected room.
- Up to 8 wireless remote controllers connectable.
- Holiday mode settings for up to 72 hours on hourly basis.
- Touch buttons and easy-to-read LCD screen.
- Floor-to-floor wireless transmission such as from basement to floor level.

* Each wireless remote controller requires pairing to avoid improper transmission with the unrelated wireless devices. If the wireless remote controller does not go through a pairing process, wireless transmission between the wireless remote controller and the wireless receiver does not work. For more details about pairing, contact your service contractor.
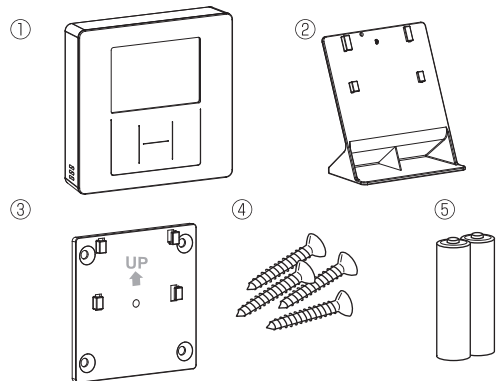
> **The following operations are disabled when PAR-WT60/WR61R-E are connected to E**T***-*M**B/C/D, E***-*M*B/C/D models.**
> - **To display Smart grid indicator**

■ Included parts
The following items are included in the box.

Part name	Qty
① Wireless remote controller	1
② Stand	1
③ Bracket	1
④ Flat head screw 4.1 × 16	4
⑤ AA alkaline battery	2
⑥ Instruction manual	1

■ How to read the year of manufacture
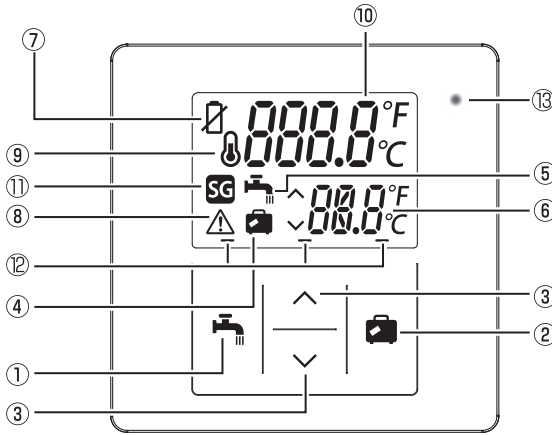The year of manufacture is indicated on the wireless remote controller and receiver as below.

L * * * * * * S ☐ ☐ * * * * * *

Month of manufacture : 1,2,3,4,5,6,7,8,9,X(10),Y(11),Z(12)
Year of manufacture (western calendar) 2=2022, 3=2023

3

3 | Names of Parts and Functions

■ Wireless remote controller buttons/displays

The following explains each button and operation.

*All the items above are shown for the purpose of explanation.

| Number	Name	Operation
①	Forced DHW button	To allow the ecodan system to force start of the DHW mode.
②	Holiday button	To allow the ecodan system to enter the holiday mode.
③	Up / Down button	To adjust room temperatures and set duration time in the holiday mode.
④	Holiday indicator	To indicate that the ecodan system is remaining in the holiday mode.
⑤	DHW indicator	To indicate that the ecodan system is remaining in the forced DHW mode.
⑥	Set temp. display	To display the set room temperature.
⑦	Battery replacement indicator	To indicate when to replace batteries.
⑧	Error indicator	To indicate a failure or error, such as a communication error.
⑨	Room sensor indicator	The internal temperature sensor in this wireless remote controller monitors the room temperature according to which individual room temperature is controlled.
⑩	Room temperature display	To display the room temperature measured by wireless remote controller.
⑪	Smart grid indicator	To indicate 'Smart grid ready'.
⑫	Touch indicator	To indicate the buttons are touched. (e.g. Pressing the forced DHW button ① displays the touch indicator over the button.)
⑬	LED light	To indicate a failure or error, such as a communication error, and to indicate when to replace batteries.

4 | Before Operation

Remove the battery case cover before placing the wireless remote controller, and place two AA alkaline batteries properly.

* When the wireless remote controller is not paired, it has to go through a pairing process. For details about pairing, contact your service contractor.

■ Batteries

● Do not use Ni-Cd rechargeable batteries.
● The AA alkaline batteries used on the wireless remote controller last for about 1 year under normal usage.
● When not using the wireless remote controller for long periods of time, have the batteries removed.
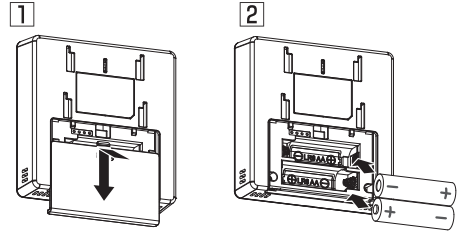
⚠ Caution

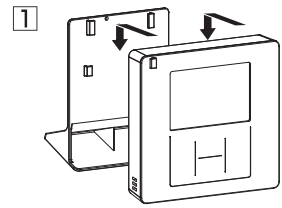**Always place batteries with correct polarities as indicated in the battery case.**

■ Installation

The wireless remote controller has two methods of installation, using an included bracket or stand.

<< Using a bracket >>   **<<Using a stand >>**
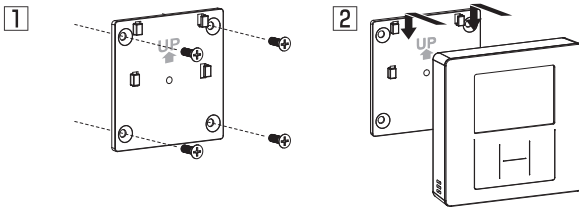
Note)
● Avoid over-tightening the screws, which may break or deform the bracket.
● To enhance stability, use all the four screws to secure the bracket.
● For safe use, fix the wireless remote controller to the bracket or the stand securely.
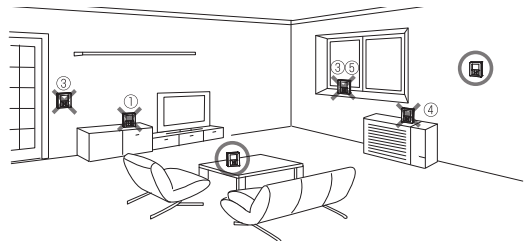
■ Location to place the wireless remote controller(s)

Observe the following when determining the installing location.

Do not place the wireless remote controller at the places indicated below (① to ⑤).

Do not expose the remote controller to a temperature outside the required operating range of 0°C to 40°C.

① Within 1 m from electrical or electronic devices (such as a radio, TV, computer, and mobile phone)
② On a metal rack
③ Near a door or a window
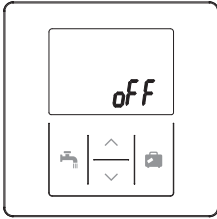④ Near heat source such as a radiator
⑤ Area exposed to direct sunlight

A room sensor is incorporated in each wireless remote controller. So wireless remote controller is placed in an improper location,the desired temperature may not be obtained.
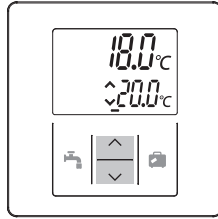
5 | Basic Functions

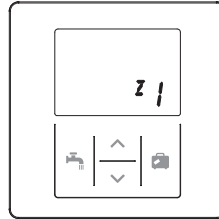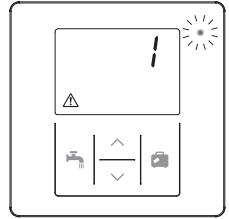The following explains the basic functions available on the wireless remote controller.

<Ecodan system OFF>   <Ecodan system ON>   <Zone display>   <Failure>

● When the ecodan system is ON, touch $\boxed{\wedge}$ $\boxed{\vee}$ buttons for 3 seconds to display a zone no. assigned to the remote controller.

● **Failure or error on the indoor unit, the outdoor unit, or the wireless system**
When ⚠ is shown all the time, this means a failure (or error) on the indoor unit, the outdoor unit, or the wireless system. Contact your service contractor.

  LED light blinks three times per minute when a failure or error occurs.

● When the remote controller operating, be sure to touch the buttons with your fingers or Stylus pen.
▸The operation panel may not work properly in the following cases.
  * The operation panel or your finger is wet or dirty.
  * The operation panel is touched with a gloved finger or a finger with a bandage.
  * The operation panel is touched with a sharp-pointed instrument.
  If the operation panel does not respond to touch on the screen, release your finger from the screen and touch it again.

Touching the screen again without pause may result in false detection. Touching on the screen strongly does not enhance the detection sensitivity.

The response of operation panel depends on the ambient temperature and humidity, physical condition of the user, and operating conditions of the electric appliances.

## 5.1. Changing Set Temperature

To increase set temperature: Touch $\boxed{\wedge}$ button.

To decrease set temperature: Touch $\boxed{\vee}$ button.

● Each press of the buttons adjusts the set temperature by 0.5°C.
● The set temperature range is from 10 to 30°C.
● When the automatic zone display is active, a zone number assigned to the remote controller is displayed for 3 seconds.
* When " - - - ℃ " is shown, the ecodan system cannot be operated by remote controller.

When 🌡 is shown, this indicates that the wireless remote controller is set as room sensor.

<Display>

6
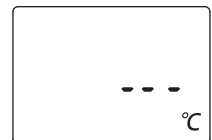
5 | Basic Functions

<<2-zone temperature control>>

● A thermistor is built in the remote controller (Room RC) or the main controller (Main RC), or TH1. The indoor unit refers to temperature monitored by a selected thermistor and controls temperature for each zone.
● For 2-zone temperature control, one room sensor can be selected for Zone1 and Zone2 separately. The room sensor is used for monitoring room temperature.
● The selection of room sensor can be fixed or changed according to time, using a schedule timer.
  Note: Room sensor can be selected by main controller only.
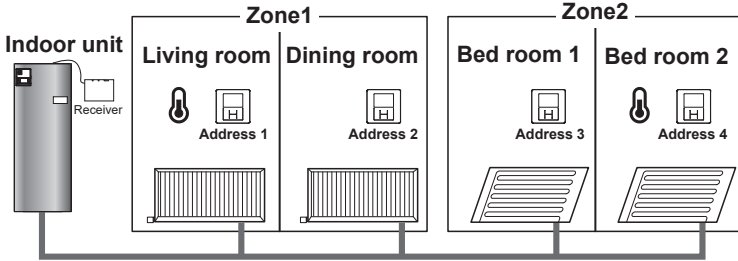
5.2. Forced DHW

Touch 🚰 button for 3 seconds or more to allow the indoor unit to enter or exit the forced DHW mode.
When the forced DHW mode ends, 🚰 goes out.

<Display>

When 🚰 blinks after the button is touched for 3 seconds or more, this indicates that the indoor unit that you use does not support this function.
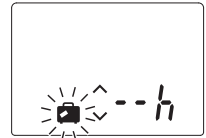

5.3. Holiday Mode

🏠 button allows the indoor unit to enter the holiday mode.

● The holiday button is allowed to set duration of up to 72 hours or no-time-limit (displayed as " -- h ").
● The duration is adjusted by 1 hour.

<Display>

<<Setting>>

① Touch 🏠 button for 3 seconds or more. 🏠 blinks on the screen.
② Touch ⌃ or ⌄ button to adjust the duration, and touch 🏠 button to save setting. When the set duration shows " -- h ", this indicates that no-time-limit is set.
  When transmission starts, ∧ , ∨ and 🏠 blink.
③ Once the setting is complete, 🏠 stops blinking and lights steadily.

<<Cancelling>>

To cancel the mode, touch 🏠 button for 3 seconds or more while the indoor unit is operating in the holiday mode. 🏠 disappears.

<<Communication error>>

When ⚠ blinks during operation of the holiday mode, this means a communication error, so please try again.

6 F A Q

Fault symptom	Possible causes	Solutions
The LCD is blank.	No batteries are placed.	Ensure that the batteries are placed in the battery case and no foreign objects are caught between the terminals.
	Batteries are placed incorrectly.	Check whether the batteries are placed with correct polarities as shown in the battery case.
	Batteries are running out.	Replace both with new ones.
🗲 is shown and LED light blink one time per three minute.	The batteries are running out, and need replacement.	Replace both with new ones.
"OFF" is shown.	The ecodan system is off.	Turn on the ecodan system by main controller again.
The wireless remote controller does not work.	Batteries are running out.	Replace both with new ones.
	Signal is weak.	Find a proper location to operate the wireless remote controller.
	Failure or error on the indoor unit, the outdoor unit, or the wireless system.	Contact your service contractor.
⚠ is shown all the time and LED light blink three times per minute.	Failure or error on the indoor unit, the outdoor unit, or the wireless system.	Contact your service contractor.
The desired room temperature is not obtained.	Batteries are running out.	Replace both with new ones.
	The wireless remote controller is placed in an improper location.	Reposition the wireless remote controller by referring to "Location to place the wireless remote controller(s)" in "4. Before Operation" in this manual.
	The wireless remote controller is not set as room sensor.	Contact your service contractor.
	Others	Contact your service contractor.

7 Specifications

Item	Description
Power source	3V DC (AA alkaline battery × 2)
Operating temperature and humidity requirements	Temperatures: 0 to 40°C Humidities: 30 to 90%RH (no condensation)
Net weight	140 g (batteries excluded)
Dimension (W × H × D)	100 mm × 100 mm × 23 mm
Holiday mode time setting range	1 to 72 hours or no time limit
Display	LCD digital screen
Transmitter power level (MAX)	8 dBm
Frequency	868.3 MHz