◢MITSUBISHI ELECTRIC

Mitsubishi Package Air-Conditioner

Wireless Remote Controller Kit
PAR-SW96U-E
Installation Manual

This manual describes the installation for wireless remote controller of the Mitsubishi package air-conditioner.
Read this manual or unit's installation manual carefully.

Safety Precautions

Read these "safety Precautions" thoroughly and install securely.
Precautions are classified using the following symbols depending on the extent and type of danger by erroneous handling.

⚠ WARNING	Erroneous handling can cause death or serious injury.
⚠ CAUTION	Erroneous handling can cause personal injury or damage.

After using this manual, be sure to pass it to the customer together with the instruction manual provided with indoor unit. Ask the customer to keep this installation manual and the instruction manual in a handy place, and to show them to the engineer when the air-conditioner is moved or repaired. Also ask the customer to pass them to any new user.

⚠ WARNING

Ask a dealer or specialist to install the unit.	Securely install the unit, referring to this installation manual.
Incomplete installation could cause electric shock, fire, etc.	Incomplete installation could cause electric shock, fire, etc.

Securely install the unit in a place that can withstand the weight.	All accessories must be installed by an authorized technician.The user must not try to install accessories.Improperly installed accessories can cause water leakage,electric shock or fire.
Otherwise, the unit could fall, which could cause injury.	Shortage in electrical circuit capacity or incomplete construction could cause fire, etc.

Never modify the unit or repair it by yourself.	Securely connect the specified remote control cord, and fix it so that the terminal connector is free from any external force via the cord.
Modification or incorrect repair could cause electric shock, fire, etc. Consult the dealer from whom you purchased the unit.	Incomplete connection or fixing could cause heat, fire, etc.

Do not move the unit by yourself.
Incomplete installation could cause electric shock, fire, etc.Ask the dealer or a specialist for installation.

⚠ CAUTION

Do not install the unit in a place where flammable gas could leak.	Do not install the unit in a bathroom, kitchen, etc. where a great amount of steam is generated.
If gas leaks or accumulates around the unit, it could cause ignition, explosion, etc.	Avoid installing in a wall where condensation occurs. Installing in such a place could cause a fault, electric shock, etc.

Do not use the unit in an abnormal environment.	Do not install the unit in a place where acid solution, alkaline solution, special spray, etc. are frequently used.
Usage in a place where there is much oil (including machine oil), steam, sulfide gas, etc. could greatly degrade its performance or damage components.	Installing in such a place could cause fault, electric shock, etc.

Take sufficient countermeasures against noise when the unit is installed in hospital, communication office, etc.
This unit could malfunction when affected by inverter equipment, private electric generator, high-frequency medical instruments, radio communication devices, etc. Also, this unit could adversely affect medical instruments, communication devices, etc., thus interfering with human medical treatment, or causing disturbance in broadcast pictures or noise.

When doing wiring, make sure that wires are not subject to tension.	Do not touch circuit boards with hands or tools, or allow dust to adhere to them.
Tension on wires could disconnect them, or cause heat, fire, etc.	Failure to do so could cause fault, fire, etc.

Do not rinse this unit with water.	Do not operate buttons with wet hands.
Doing so could cause fault, electric shock, etc.	Failure to do so could cause fault, electric shock, etc.

Do not install the unit in a place where the ambient temperature is over 40 or below 0 , or exposed to direct sunlight.	Do not push buttons with sharp objects.
Installing in such a place could cause deformation, fault, etc.	Failure to do so could cause fault, electric shock, etc.

Making Sure of Components

Make sure that the following components, along with this manual, are packed in the box.

Component	PAR W96U E
Wireless Receiving Unit Corner Panel	1
Wireless remote controller	1
Remote control holder	1
"AAA" LR03 alkaline batteries	2
4.1x16 wood screws	2

Note   The remote signal will reach the receiver over a distance of approx. 7 m in a straight line and approx. 45 left or right. If the infrared receiver is affected by fluorescent light (especially, inverter type), it may not be able to receive the signal. Take this into consideration when installing fluorescent lights or replacing them.

Before installation

Turn off the main power before work.

Open the intake grill and remove the corner panel where refrigerant pipes are and where local wires are drawn into.
The corner panel removed is not needed.
Remove the thermistor for room temperature fixed by 1 screw and the control box cover fixed by 3 screws,which is possible to hang temporarily.
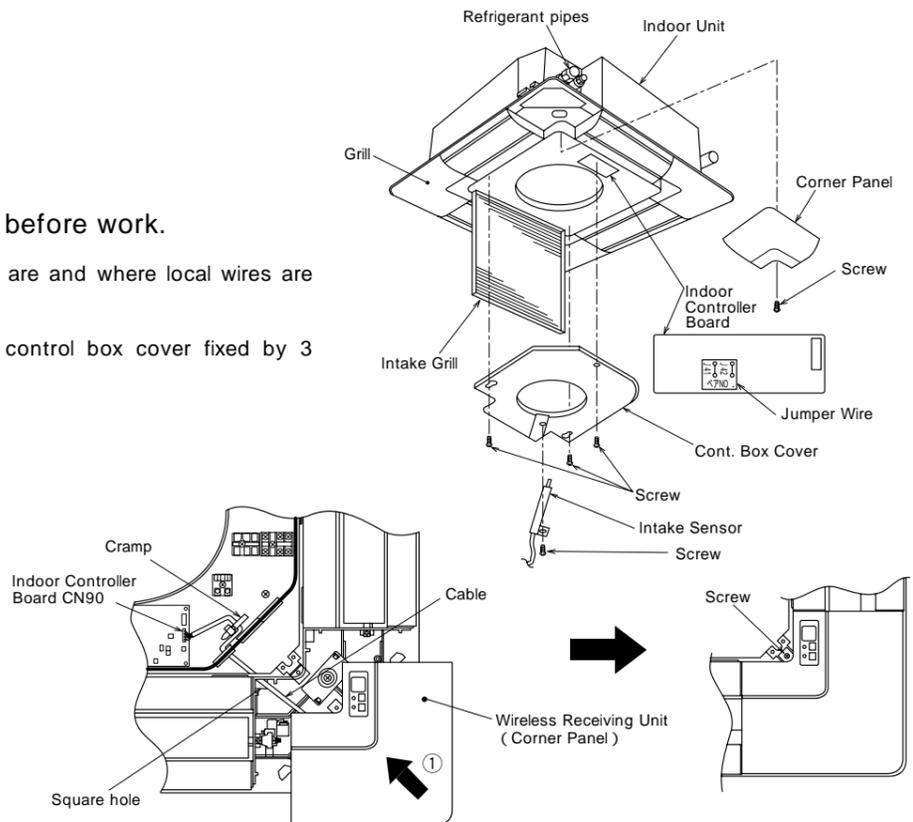
Installation of wireless receiving unit

Bring the cable of wireless receiving unit through the square hole underneath the corner panel removed where refrigerant pipes are and where local wires are drawn into.
As shown in the figure,pull the cable into the inside of the control box and connect it to CN90 on the indoor controller board. Then fix the cable by the clamp, being able to remove the receiving unit afterwards in case.
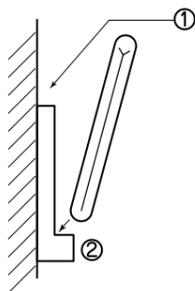Slide the receiving unit in the ① direction as shown and fix it by the screw which is used for the corner panel removed.
After the installation completed, set the control box and the thermistor as they were .

Installation of remote control holder

Remote control holder can be used for keeping the remote controller on the wall.

Fitting remote controller into holder

Fix the remote control holder to the wall using the two wood screws provided.
Insert the remote controller into the holder.

Removing remote control

Pull out the remote controller.

Model Select

This remote controller needs model number setting before use.
Set the model number in the following order.
Without setting, the air conditioner will not work properly.   The factory setting of model number is " 001".
  Press the SET button with the point of a ball-point pen or the like.
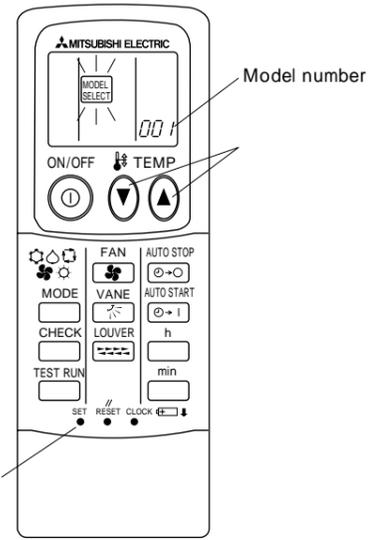   MODEL SELECT blinks and model number is lighted.
   Start this operation from the status of remote controller display turned off.
  Press the TEMP (▼), (▲) buttons and set the model number according to the Indoor unit model.See Table 1

Model number

Table 1

H/P / C/O	Model No.
Heat pump	001
Cooling only	033

  Press the SET button with the point of a ball-point pen or the like.
   MODEL SELECT and model number are lighted for 3 seconds, then turned off.

Test Run

Press the TEST RUN button twice continuously.
  TEST RUN and current operation mode are displayed.
  Start this operation from the status of remote controller display turned off.
Press the MODE button.
  Operation mode switches between cooling mode and heating mode.
  Cooling mode...Check outlet of cool airflow.
  Heating mode...Check outlet of warm airflow.   This action takes some time.
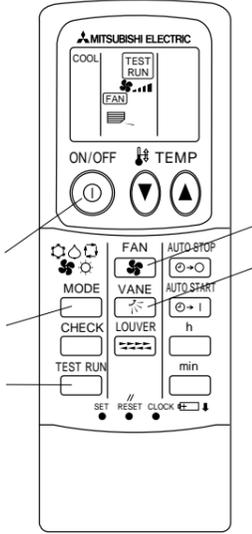Press the FAN button.
  Check if the fan speed changes.
Press the VANE button.
  Check if the automatic vane is working.
Press the ON/OFF (○) button or press the TEST RUN button twice continuously.
  Test run will be canceled.

Pair Number Setting

This is the setting to specify the unit to operate with the wireless remote controller.
Make setting for J41,J42 (Jumper wire) of indoor controller board and the pair number of wireless remote controller.
The pair number setting is available with the 4 patterns as shown in the Table 2 from A to D. Make setting for the pair number (J41,J42) of indoor controller board and the pair number of wireless remote controller which is used as shown in the Table 2 .
  The factory setting is pattern A.

Setting procedure for pair number of wireless remote controller
 Press the SET button with the point of a ball-point pen or the like.
  MODEL SELECT blinks and model number is lighted.
  Start this operation from the status of remote controller display turned off.
 Press the min button twice continuously.
 Pair number" 0" will blink.
 Press the TEMP (▼) ,(▲)   buttons and set the pair number according to the setting pattern. See Table 2
 Press the SET button with the point of a ball-point pen or the like.
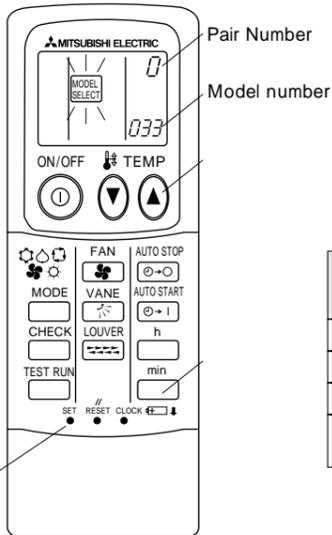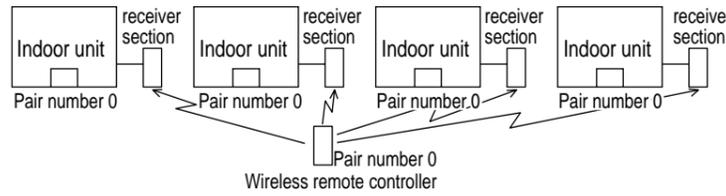 Pair number is lighted for 3 seconds, then turned off.

Pair Number

Model number

Table 2

Setting Pattern	Pair number of Wireless remote controller	Cut point of Jumper wire on the indoor controller board
A	0	Don't cut the jumper wire.
B	1	Cut the jumper wire " J41".
C	2	Cut the jumper wire " J42".
D	3 9	Cut the jumper wire both " J41" and " J42"

1 Same setting
  All units can be operated with the same wireless remote controller.

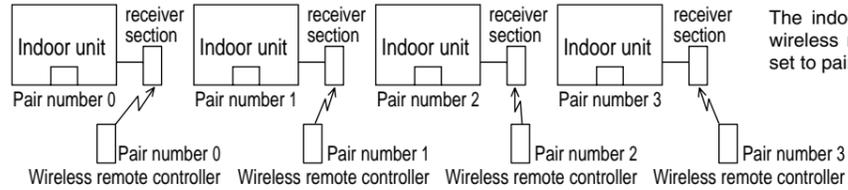| Indoor unit	receiver section	Indoor unit	receiver section	Indoor unit	receiver section	Indoor unit	receiver section
Pair number 0		Pair number 0		Pair number.0		Pair number 0	

Pair number 0
Wireless remote controller

The pair number of indoor controller board and wireless remote controller should be set identically.
All units should be installed in a range that the sensor can receive the signal from wireless remote controller. Or an operator of wireless remote controller should move to the proper position to operate wireless remote controller.

2 Individual setting
  Each unit can be operated with only the wireless remote controller which the same pair number was set.

Indoor unit	receiver section	Indoor unit	receiver section	Indoor unit	receiver section	Indoor unit	receiver section
Pair number 0		Pair number 1		Pair number 2		Pair number 3	

Pair number 0	Pair number 1	Pair number 2	Pair number 3
Wireless remote controller	Wireless remote controller	Wireless remote controller	Wireless remote controller

The indoor controller board and the wireless remote controller should be set to pair number differently per unit.