USER’S MANUAL

MITSUBISHI HEAVY INDUSTRIES PACKAGED AIR CONDITIONER

Ceiling cassette – 4 way – (FDT)

Duct connected – High static pressure – (FDU)

Duct connected – Middle static pressure – (FDUM)

Floor Standing (FDF)

Ceiling Suspended (FDE)

Ceiling cassette – 4 way Compact (600×600mm) – (FDTC)

De 50 Hz.

La marque CE s’applique aux régions alimentées en courant

(remplacée par la directive 2014/30/UE le 20/04/2016) et à la


Machines 2006/42/CE

EMC 2014/30/UE

Pressure Equipment 2014/68/UE

Low Voltage 2014/35/UE

Pressure Equipment 2014/30/UE

RoHS 2011/65/UE

Draadloze afstandsbediening

De wirellose fernbedienung

 communicates with the eco touch

RCN-E2-, EK2-reeks

Consulte el manual suministrado con el mando a distancia

Пульт дистанционного управления

Revise la documentación que viene con el mando a distancia

Consulte el manual suministrado con el mando a distancia

Il marchio CE è applicabile alla fascia di alimentazione 50 Hz.

RoHS 2011/65/UE

Ecodesign 2009/125/EC

Low Voltage 2014/35/UE

CE marking is applicable to the area of 50 Hz power supply.

Il marchio CE è applicabile alla fascia di alimentazione 50 Hz.

RoHS 2011/65/UE

EMC 2014/30/UE

Druckgeräte 2014/68/EU

Low Voltage 2014/35/UE

CEM 2014/30/UE

Apparecchiature a bassa tensione 2014/35/UE

Portugues 2014/30/UE

RoHS 2011/65/UE

Duct connected − High static pressure − (FDU, FDUS)

Ceiling cassette – 4 way - (FDT)

Ceiling cassette – 4 way Compact (600x600mm) – (FDTC)

Ceiling cassette – 4 way Compact (600×600mm) – (FDTC)

Ceiling cassette – 4 way – (FDT)

KX  KXR        VRF inverter multi-system Air-conditioners

Floor standing (FDF)

Ceiling suspended (FDE)

Duct connected -Middle static pressure- (FDUM)

Duct connected -High static pressure- (FDU)

Ceiling cassette -4 way - (FDT)

Siehe bitte die mit KABEL-FERNBEDIENUNG (RC-EX-Serie)

TÉLÉCOMMANDE SANS-FIL (série RCN-E2, EK2)

TÉLÉCOMMANDE FILAIRE (série RC-EX)

Bitte beachten Sie die Dokumentation, die mit der eco touch

CONTROL (RCN-E2, EK2 series)

Bitte beachten Sie die Dokumentation, die mit der eco touch

REMOTEC

Siehe bitte die mit KABEL-FERNBEDIENUNG (RC-EX-Serie)

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Bitte beachten Sie die Dokumentation, die mit der eco touch

CONTROL (RCN-E2, EK2 series)
Thank you very much for your purchase of this packaged air conditioning system produced by Mitsubishi Heavy Industries. Please read through this manual before using the product and use the product appropriately according to the instructions in the manual. After you have read the manual, store it with the warranty certificate in a safe place. It will help you when you have questions or problems.

This Product contains fluorinated greenhouse gases. Do not vent R410A into the atmosphere: R410A is a fluorinated greenhouse gas with a Global Warming Potential (GWP) = 2088. Refer to a label on outdoor unit for the weight of fluorinated greenhouse gas and CO2 equivalent.

The emission sound pressure level from each Indoor and Outdoor unit is under 70 dBA.

### SAFETY PRECAUTIONS

Please read these “SAFETY PRECAUTIONS” before starting to use this product and use the product appropriately according to the instructions.

The precautions provided here are classified into “⚠️ DANGER” and “⚠️ CAUTION”. The “⚠️ DANGER” sections describe potentially hazardous situations that may lead to serious outcomes such as death and serious injuries if the product is mishandled. Note, however, that depending on the situation, the items listed in the “⚠️ CAUTION” sections do also have the potential of causing serious outcomes. Both warnings and cautions provide you important information related to safety; please make sure to observe them.

The symbols used throughout the main text of this manual have the following meaning.

⚠️ marks mean danger, alarm, and caution. The specified prohibited item is described in the circle or in the vicinage.

⚠️ marks mean compulsory action or instruction. The specified prohibited item is described in the circle. The left mark means “Earth is needed”.

After you have read the manual, always store it where other users can refer to at any time. If a new owner takes over the system, make sure to pass this manual.

### INSTALLATION PRECAUTIONS

⚠️ DANGER

Make sure to have the installation done by your dealer or a specialist.

If you install by yourself and the unit is not properly installed, water leakage, electric shock, fire and injuries caused by the drop of the unit may occur.
The preventive measures that the density of leaked refrigerant does not exceed the limit is necessary in case of installing the unit in a small room.

The leakage of refrigerant may cause oxygen deficiency accident. Consult your dealer for the measures.

**CAUTION**

Make sure to perform grounding work.
Do not connect grounding wire to any gas pipe, water pipe, conductor rods or telephones. Incomplete grounding may cause electric shock through leakage of electricity.

Make sure to mount a leakage breaker.
Otherwise electric shock may occur. Please consult your dealer or a specialist for the mounting.

Do not mount where flammable gas leakage can happen.
If leaked gas stagnates in the unit, the gas may cause fire.

Make sure to layout the drain pipe so that the water is completely drained.
Otherwise, water may leak and wet household goods.

**OPERATION PRECAUTIONS**

**DANGER**

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.

Children shall not play with the appliance.
Cleaning and user maintenance shall not be made by children without supervision.

Do not expose yourself directly to cooled air flow for a long time or cool too much.
It may be cause of deconditioning or health disorder.

Do not insert fingers or sticks into the air inlet or outlet grilles.
It may cause injuries because of the fan rotating at high speed.

If the unit has been submerged under water due to a natural disaster such as flood or typhoon, consult your dealer before using it again.
If you use it as it stands, it may lead to failure, electric shock or fire.

If any abnormal symptom (scorched flavor etc.) is found, cut off the power and stop the operation.
Then consult your dealer.
If you use it as it stands, it may lead to failure, electric shock or fire.

One of the causes of poor cooling or poor heating may be refrigerant leakage. Please consult your dealer.
If the repair requires additional refrigerant, determine the service with the service staff. The refrigerant of air conditioner is not toxic. Normally the refrigerant does not leak. But if it leaks and contacts fire such as fan heater, space heater or cooking heater, it may produce toxic chemicals.

Do not insert fingers or sticks even if air blower does not operate.
It may suddenly operate and cause injuries.

**CAUTION**

Do not use for particular purpose such as the storage of food, animals and plants, precision apparatus and arts etc. Storage goods may degrade.

Do not operate the button with wet hand.
It may cause electric shock.

When a burning appliance is used together with the unit, ventilate frequently.
If ventilation is not sufficient, it may cause oxygen deficiency accident.

Do not place a burning appliance where the airflow from the unit is directly blown.
It may cause the imperfect combustion of the equipment.

Make sure that the unit installation foundation is not damaged due to long-term use.
If it is left to stand, the unit may fall down causing injury.

Do not wash the unit with water, nor place a vase with water on the unit.
It may cause electric shock or ignition.
Do not install the unit where the airflow is directly blown to animals and plants. They may suffer from adverse effect.

Before cleaning, make sure to stop operation and cut off the power. The fan inside rotates at high speeds.

Make sure to use proper size of fuse. Using steel wire or copper wire may lead to failure or fire.

Do not store a flammable spray etc. near the unit, nor blow directly to the unit. It may lead to fire.

Before maintenance, make sure to stop operation and cut off the power. The fan inside rotates at high speeds.

When the unit isn’t used for a long-term, cut off the power. The accumulation of dirt may lead to heat generation or fire. But, before resuming the operation, turn on the unit for six hours beforehand to save harmless.

Do not place any other electric appliances or household goods below or around the air conditioner. Dripping from the unit may lead to failure or contamination.

Do not touch the aluminum fin. Otherwise it may lead to injuries.

Do not clean the inside of the indoor unit by yourself. Make sure to consult your dealer or user inquiry counter specified by our company. If you select incorrect detergent or improper method, resin parts may be damaged and lead to water leakage. If the detergent is dropped on the electric component or motor, it may lead to failure, smoking or ignition.

Do not place objects on the outdoor unit, nor mount on it. It may lead to injuries resulting from dropping or falling.

During the operation or maintenance, do not use an unstable footrest. It may lead to injuries resulting from falling.

Be careful so that the dust does not get into your eyes when removing the air filter.

Do not operate the air conditioner while the air filter is removed. Piled up dust may lead to malfunction.

During thunderstorm, stop the operation and turn off the switch. A lightning strike may lead to failure.

After several seasons of operating, inspections and maintenances are required except routine care and cleaning. Accumulated dirt or dust inside the indoor unit may cause odor, water leakage through the clogging of water discharging pipe for dehumidification. Specialized information and skills are required for inspections and maintenances. Therefore contact your dealer.

Do not place any other electric appliances or household goods below or around the air conditioner.

Do not operate or stop the unit by using the power supply switch. It may lead to fire or water leakage. If auto restart is set effectively, the fan may rotate suddenly causing injuries.

Do not touch blowout port when the swing louver moves. Otherwise, it may lead to injuries.

Do not strain the remote control cord. A part of core wire may be cut off causing electric leakage.

Do not use water heater etc. near the indoor unit or remote control. If a Vapor-generating appliance is used near them, it may lead to water drop causing electric leakage or short circuit.

Do not use the unit where powder or fiber is floating. Fine powder or fiber passing through the air filter may stagnate inside the unit and lead to electric leak or short circuit.

Do not place objects under the unit which must avoid being exposed to water. Over 80 percent humidity or the clogging of drain pipe may damage them through dew dropping.
Precautions for Relocation or Repairing

⚠️ CAUTION ⚠️

Never perform any modification. Contact your dealer for repairing. Improper repairing may lead to water leakage, electric shock or fire. Normally the refrigerant does not leak. But if it leaks and contacts fire such as fan heater, space heater or cooking heater, it may produce toxic chemicals. When repairing refrigerant leakage, determine the service with the service staff that the repair has been finished without fault.

If it is required to relocation and reinstall the unit, consult your dealer or a specialist. Improper installation of air conditioning unit may cause water leakage, electric shock and/or fire.

Precautions for Waste Disposal

Your Air Conditioning product may be marked with this symbol. It means that waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) should not be mixed with general household waste. Air conditioners should be treated at an authorized treatment facility for re-use, recycling and recovery and not be disposed of in the municipal waste stream. Please contact the installer or local authority for more information.

How to Use < Wired Remote Control >

### Names and Functions of Remote Control Buttons (Wired Remote Control)

- **Wired remote control**: The figure below shows the remote control with the cover opened. Note that the items in the liquid crystal display (LCD) area are shown for explanation purpose. Pull the cover downwards to open.

![Diagram of Wired Remote Control]

- **Temperature setting buttons**: These buttons are used to set the temperature of the room.
- **Timer button**: This button is used to set the timer mode. See page 5.
- **Timer setting buttons**: These buttons are used to set the timer mode and the time. See page 5 to 12.
- **E.S.P. button**: This button is only used by service engineers for installation purposes.
- **AIR CON No. button**: This button is used to operate external ventilator. See page 12.
- **CHECK button**: This button is used to fix the setting. See page 5 to 12.
- **TEST button**: This button is used during test operation.
- **SET button**: If you press this button while making settings, you can go back to the previous operation. See page 5 to 12.
- **RESET button**: This button is used to operate/stop the swing louver. See page 11.
- **VENT button**: This button is used to operate/stop the system. See page 11.
- **LOUVER button**: This button is used to change the airflow direction. See page 12.
- **Operation/stop button**: This button is used to operate and stop the air conditioning system. Press the button once to operate the system and press it twice to stop the system.
- **Weekly timer display**: Displays the settings of the weekly timer.
- **Central control display**: Displays the timer operation setting.
- **Operation setting display area**: Displays setting temperature, airflow volume, operation mode and operation message.
- **Operation/check indicator light**: During operation: Lit in green. In case of error: Flashing in red.

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Before repairing or checking indoor unit, be sure to turn off “Indoor unit power supply breaker”. It can result in electric shock or injury due to rotation of indoor unit fan if you perform check or repair with the “Indoor unit power supply breaker” turned on.

Place the panels removed for repairing or checking on the stable spot. Otherwise, dropping or falling may lead to injury.
HOW TO OPERATE

< WIRED REMOTE CONTROL >

1. Press [ ] ON/OFF button. The unit starts operating.
2. Press [ ] MODE button. The range of operation mode is displayed according to the model of indoor unit.
   - Press [ ] FAN SPEED button. The range of fan speed modes is displayed according to the model of indoor unit.
   - For setting of each timer mode, see the following pages.
5. Press [ ] LOUVER button. If the indoor unit is equipped with the auto swing function, press the [ ] LOUVER button once and current louver status is displayed.
   - The possible combination of the timer function is mentioned in the following table.

Functions of each timer operation
- Sleep timer: When the specified period of time elapses, operation stops.
- ON timer: The unit starts to operate at the setting time. The temperature can be set together. It will operate one time per setting.
- Weekly timer: You can set up to four ON/OFF timers per day. Once Weekly timer is set, it repeats every week.

NOTE
- There may be a case that [ ] is displayed when any button is pressed while the operation is stopped. The display returns to the one selected in step 2.
- If you select a combination of modes that cannot be set together and press the [ ] SET button, the message "Invalid operation" is displayed for 3 seconds and then the display returns to the one selected in step 2.

HOW TO PERFORM THE TIMER OPERATION

< WIRED REMOTE CONTROL >

THE SELECTION OF TIMER MODE

1. Press [ ] TIMER button. The mode changes to timer mode.
2. Press [ ] button. By pressing [ ] or [ ] button, it is possible to choose the item to set.
3. Press [ ] SET button. The selected timer mode is set.

Combination of modes that can be set together (possible × impossible)

<table>
<thead>
<tr>
<th>Sleep timer</th>
<th>OFF timer</th>
<th>ON timer</th>
<th>Weekly timer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sleep timer</td>
<td>×</td>
<td>O</td>
<td>×</td>
</tr>
<tr>
<td>OFF timer</td>
<td>O</td>
<td>×</td>
<td>×</td>
</tr>
<tr>
<td>ON timer</td>
<td>O</td>
<td>×</td>
<td>×</td>
</tr>
<tr>
<td>Weekly timer</td>
<td>×</td>
<td>O</td>
<td>×</td>
</tr>
</tbody>
</table>

NOTE
- If you press [ ] button while timer mode is under setting, timer mode is canceled and the display will return to the original one. Note that the setting which has not been completed is canceled.
- If you have set the ON timer and either the OFF timer or Sleep timer mode at the same time, the OFF timer (or Sleep timer) precedes the ON timer.
- If you press the [ ] Timer button and [ ] is displayed, the button can not be operated because the button operation is disabled. If you want to make the button effective, consult your dealer.
- If you do not press any button for several minutes after pressing the [ ] Timer button, Timer mode ends and the display returns to the original one.
- When the weekly timer setting recovers from power failures, the setting data (four settings per day) remain stored, but holiday settings will automatically override the settings for each day.
**HOW TO PERFORM THE TIMER OPERATION**

**< WIRED REMOTE CONTROL >**

**SETTING THE TIME**

Timer operation is performed based on the time of the clock which is set by the following steps. Make sure to set the time to the current time correctly.

1. **Press TIMER button.**
   - The mode changes to timer mode.
   - "Current day of the week" and "Current time" are displayed.

2. **Press SET button.**
   - The display area shows:  
   - ➔ CLOCKSET ➔ 
   - (flashes) 
   - (current time) 
   - (display area) 

3. **Press ▲ or ▼ button.**
   - The day of the week is fixed, and the flashing of ▲ mark stops.
   - "Current time" value flashes, and "CLOCKSET" is displayed.

4. **Press SET button.**
   - The mode changes to timer mode.

5. **Press ▲ or ▼ button.**
   - Set the current time.

6. **Press ▲ or ▼ button.**
   - The unit stops operating at the setting time.

7. **Press ON/OFF button.**
   - The timer mode is finished.

**NOTICE**

- If you press [ON/OFF] button while timer mode is under setting, timer mode is canceled and the display will return to the original one.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.
- If you are hand to turn on.

**SLEEP TIMER MODE**

After a certain period of time has elapsed, operation stops.

1. **Press TIMER button.**
   - "Sleep timer" is displayed.

2. **Press ▲ button once.**
   - "OFF TIMER MODE" is displayed.

3. **Press SET button.**
   - (EXAMPLE) ➔ "OFF TIMER MODE" ➔ "6:00" ➔ (flashes)

4. **Press ▲ or ▼ button.**
   - The display changes as below. Set as you like.
   - ➔ "OFF TIMER MODE" ➔ "6:00 O'clock" ➔ (lights)

5. **Press SET button.**
   - The remaining time is displayed, and changes in an hourly basis.
   - When the setting time elapses, the unit stops operating.
   - Every operation stops after a certain period of time has elapsed.

**NOTICE**

- If you press [ON/OFF] button while timer mode is under setting, timer mode is canceled and the display will return to the original one.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

**ATTENTION**

- Once the OFF timer is set, it is not possible to start operation. If you would like to operate the air conditioner, press ON/OFF button before hand to turn on.

**NOTICE**

- If you press [ON/OFF] button while timer mode is under setting, timer mode is canceled and the display will return to the original one. Note that the setting which has not been completed is canceled.
- If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.
HOW TO PERFORM THE TIMER OPERATION

< WIRED REMOTE CONTROL >

ON TIMER MODE

The unit starts to operate at the set time. It is possible to set temperature at which you want to start the operation. Only one setting is applicable to each operation.

1. Press [TIMER] button.
2. Press [button for three times. 
      [EXAMPLE] "00:00" is displayed in the display area. 
      If you press [RESET] button, the remote control will return to the previous screen. 
   The left image is displayed in the display area. 
   press to set temperature. 
   If you press [SET] button, the remote control will return to the previous screen. 
5. Press [SET] button. 
   ON timer has been set. 
   The left image is displayed in the display area. 
   If you press [SET] button, the remote control will return to the previous screen. 
6. Press [button and [ ] button. 
   Press [button and [ ] button. 
   Select either of the above two. 
   Go to step 7 if temperature is set. 
   Go to step 9 if temperature is not set. 
   The left image is displayed in the display area. 
    press to set temperature. 
   If you press [SET] button, the remote control will return to the previous screen. 
8. Press [button to set temperature. 
   If you press [button, the number in the display becomes larger or smaller by 1°C. 
   Set temperature at which you want to start the operation. 
   If you press [button, the remote control will return to the previous screen. 
   ON timer is set, and after "ON timer" is displayed, the display will return to the original one. 
   ON timer and either Sleep timer or OFF timer are set together, the temperature of ON timer is not displayed. 
   ON timer and either Sleep timer or OFF timer are set together, OFF timer (or Sleep timer) precedes. 
    The timer mode is finished.

NOTICE

• If you press [OK] button while timer mode is under setting, timer mode is canceled and the display will return to the original one. 
• If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one. 

WEEKLY TIMERTIMER SETTING

1. In the Weekly timer mode, select "WEEKLY" and press SET button to confirm. 
   See step 1 to 5 in "Selection of Weekly timer mode" above 
   "MON" to "FRI" is displayed in the display area. 
2. Press [button. 
   Set the [ ] mark above the day of the week to the day to be set for timer setting. 
   Press [ ] mark next to the number flash and move downwards. 
   If you press the [ ] button, the day ("SUN" to "SAT") indicated with the flashing [ ] mark will change one day at a time. 
   If you press the [ ] button while timer mode is under setting, timer mode is canceled and the display will return to the original one. 
3. Press [button to return to selecting Weekly timer mode screen", and "OFF" is displayed in the display area. 
4. Press [button. 
   Up to four schedules can be set for each day. 
   Select the timer schedule number you want to set. 
   Set either ON timer or OFF timer for each single operation. (See the left EXAMPLE.) 
   Press [button to make the [ ] mark next to the number flash and move downwards. 
   Press the [ ] button to move the mark upwards. 
   - Press the [RESET] button to return to the display in step 1.

NOTE

• If you press [button while timer mode is under setting, timer mode is canceled and the display will return to the original one. 
• If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one. 

SELECTION OF WEEKLY TIMER MODE

You can set up to four ON/OFF timers per day. 
Note : Set time every month in Weekly timer mode.

1. Press [TIMER] button. 
2. Press [button for four times. 
   [EXAMPLE] "00:00" is displayed in the display area. 
   The left image is displayed in the display area. 
4. Press [button. 
   By pressing " " button, it is possible to choose the item to set. 
   [EXAMPLE] "ON timer" is displayed in the display area. 
5. Press [SET] button. 
   The selected mode is fixed.

EXAMPLE

[EXAMPLE] in the Weekly timer mode, set "WEEKLY" and press SET button to confirm. 
[EXAMPLE] "00:00" is displayed in the display area. 
Press [button. 
Set the [ ] mark above the day of the week to the day to be set for timer setting. 
Press [ ] mark next to the number flash and move downwards. 
If you press the [ ] button, the day ("SUN" to "SAT") indicated with the flashing [ ] mark will change one day at a time. 
If you press the [ ] button while timer mode is under setting, timer mode is canceled and the display will return to the original one. 
If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one. 
[EXAMPLE] in the Weekly timer mode, set "WEEKLY" and press SET button to confirm. 
[EXAMPLE] "00:00" is displayed in the display area. 
Press [button. 
Set the [ ] mark above the day of the week to the day to be set for timer setting. 
Press [ ] mark next to the number flash and move downwards. 
If you press the [ ] button, the day ("SUN" to "SAT") indicated with the flashing [ ] mark will change one day at a time. 
If you press the [ ] button while timer mode is under setting, timer mode is canceled and the display will return to the original one. 
If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.
HOW TO PERFORM THE TIMER OPERATION  

< WIRED REMOTE CONTROL >

5 Press  SET button.  
If mark next to a number lights,  OFF  or  ON  is displayed. 
All the timer numbers that have been set are displayed. 
Mark that has "◄" mark is displayed. 
You can modify the selected setting by overwriting it.

6 Press  or  button.  
Press  button and  OFF  is displayed. 
Select either of the above item. 
Press the  button to return to the display in step 3.

7 Press  SET button.  
OFF  is displayed

8 Press  or  button.  
Set the time.  
Press the  button to return to the display in step 5.

9 Press  SET button.  
When time display lights, the time is fixed.
In case of OFF timer setting, setting process is completed on this step.
A "_" mark lights ( ) under the day of the week which you set and the display appears as the left image.
Proceed to "Next setting and exiting Weekly timer mode" on the right page.
In case of ON timer setting, "OFF" is displayed, proceed to step 10.

10 Press  or  button.  
Select either  or  .

11 Press  SET button.
In case "OFF" has been selected, ON timer setting process is completed.
A "_" mark lights ( ) under the day of the week which you set and the display appears as the left image.
Proceed to "Next setting and exiting Weekly timer mode" on the right page.
In case "ON" has been selected, "OFF" is displayed; Proceed to step 12.

12 Press the temperature setting buttons  or  .
Press the  or the  button to increase or decrease by 1°C. 
Set the temperature at the start of operation.
Press the  button to return to the display "OFF".

13 Press  SET button. 
ON timer setting with start-up temperature has been completed. 
The value of the temperature stops flashing and lights. 
A "_" mark lights ( ) under the day of the week which you set and the display appears as the left image.
Proceed to "Next setting and exiting Weekly timer mode" on the right page.

NOTICE

• If you press  button while timer mode is under setting, timer mode is canceled and the display will return to the original one. 
• If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

• If you select a day of the week for which setting has already been made, all the timer numbers that have been set are displayed. And the details of the timer setting for the number which has "◄" mark is displayed. You can modify the selected setting by overwriting it.
• If you set ON timer and OFF timer operating at the same time, OFF timer will precede.
• If the same two times are set for ON timer on the same day, the lower number precedes.

Next setting and exiting Weekly timer mode  
After "OFF" is displayed, "OFF" is displayed.

1 Press  or  button.  
By pressing  or  button, it is possible to choose the item to set.
"OFF" (select the next timer operation number within the same day)
"DAY SET" (select the next day)
"END" (Timer mode ends)

2 Press  SET button.  
"OFF" is selected, "OFF" is displayed. 
Repeat step 1 and the subsequent steps of Weekly timer setting on page 7.
"OFF" is selected, "OFF" is displayed. 
Repeat step 1 and the subsequent steps of Weekly timer setting on page 7.
"END" is selected, timer mode ends.

Display after Weekly timer modes setting

• The day of the week is underlined. 
• The "◄" mark is displayed above the current day of the week.
• The display of all the timer operation numbers set for the current day is turned on. The "◄" mark indicates the next setting number to be activated, and the set time is displayed.
• The timer operations are executed in order, and the number and time display are turned off when all the timer operations for the current day are completed.

• If you press  button while timer mode is under setting, timer mode is canceled and the display will return to the original one. 
• If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

• If you select a day of the week for which setting has already been made, all the timer numbers that have been set are displayed. And the details of the timer setting for the number which has "◄" mark is displayed. You can modify the selected setting by overwriting it.
• If you set ON timer and OFF timer operating at the same time, OFF timer will precede.
• If the same two times are set for ON timer on the same day, the lower number precedes.
HOW TO PERFORM THE TIMER OPERATION

Weekly timer Holiday Setting

It is possible to temporarily disable each day’s timer setting by using the Holiday Setting. When the Holiday Setting is cancelled, the timer setting is enabled again.

1. In the Weekly timer mode, select and set “HOLIDAY SET 2”.
   • See “Selection of Weekly timer mode” step 1 to 5 on page 7.
   - (lights)
   - “DATE” is displayed in the display area.
   - “HOLIDAY SET” is displayed.

2. Press ▲ or ▼ button.
   Move the “Y” mark displayed above the days of week to the day which you want to set as Holiday.
   Press ▲ and ▼ to move to the right and left respectively.
   If you press the ▲ button, the day (“SUN” to “SAT”) indicated with the flashing “Y” mark will change one day at a time. If you press the ▼ button when the “Y” mark is indicating “SAT”, multiple “Y” marks will appear and flash above “MON” to “FRI”. Press the ▼ button again, and multiple “Y” marks will appear and flash above “MON” to “SAT” (every day). The same schedule can be applied to all the days indicated with the “Y” marks by using this function. This can be used in case you would like to apply Holiday setting to these days.
   In case press the ( ) button, the remote control will return to the previous screen and display “HOLIDAY SET 2”.

3. Press ◼ SET button.
   The “Y” mark above the day stops flashing and lights, and the day set as a holiday also lights enclosed with ( ). Then, the following is displayed.
   - (lights)
   - (lights for two seconds)
   - (lights for two seconds)
   After the holiday setting has been completed, the display of the remote control returns to that of step 1. Repeat step 2 and 3 to continue setting further holidays.

**NOTICE**

If you set a day of the week for which no timer operation is set, “HOLIDAY SET” is displayed for two seconds and the display returns to the one shown in step 1.

4. Press ◼ ON/OFF button.
   Timer mode ends.

**Cancelling Holiday Setting**

1. In the Weekly timer mode, select and set “HOLIDAY SET 2”.
   • See “Selection of Weekly timer mode” step 1 to 5 on page 7.

2. Press ▲ or ▼ button.
   Move the “Y” mark displayed above the day of week to the day on which you want to cancel Holiday setting.
   Select the day of the week that has been set as holiday.

3. Press ◼ SET button.
   ( ) display is turned off and the following is displayed.
   - (lights)
   - (lights for two seconds)
   - (lights for two seconds)
   After the holiday setting has been completed, the display of the remote control returns to that of step 1. Repeat step 2 and 3 to continue cancelling further holiday settings.

4. Press ◼ ON/OFF button.
   Timer mode ends.

**NOTICE**

• If you press ◼ ON/OFF button while timer mode is under setting, timer mode is canceled and the display will return to the original one.
• If you do not press any button for several minutes after entering the timer mode, the timer mode ends and the display returns to the original one.

**Weekly timer Checking**

1. In the Weekly timer mode, select and set “CHECK/ON/1”.
   • See “Selection of Weekly timer mode” step 1 to 5 on page 7.
   • The display shows the detailed timer operation setting information of the smallest timer operation number on the day of the week as shown on the left. (But if not set, “NO BUTTON” is displayed.)

2. Press ▲ or ▼ button.
   Detailed timer operation settings are displayed in accordance with the timer operation you have selected.
   Press ▼ button to display from Sunday and the lowest timer operation number.
   Press ▲ button to display the settings in the reverse order.

3. Press ◼ ON/OFF button.
   Timer mode ends.

**Weekly timer mode Setting Canceling**

It is possible to cancel Weekly timer mode settings of each day of the week, as well as individual timer operation number.
See “Timer Operation Cancellation Mode” on page 10 to cancel settings of all days of week.

1. In the Weekly timer mode, select and set “CHECK/ON/1”.
   • See “Selection of Weekly timer mode” step 1 to 5 on page 7.
   • The display shows the detailed timer operation setting information of the smallest timer operation number on the day of the week as shown on the left.

2. Press ▲ or ▼ button.
   Detailed timer operation settings are displayed in accordance with the timer operation you have selected.
   Press ▼ button to display from Sunday and the lowest timer operation number.
   Press ▲ button to display the settings in the reverse order.
   Select the timer operation number on a day of the week you want to cancel.
   If you press the ( ) button, the remote control will return to the previous screen, and display “CHECK/ON/1”.

3. Press ◼ SET button.
   “CHECK/ON/1” is displayed.
   If you press the ( ) button, the remote control will return to the previous screen, and display “CHECK/ON/1”.

4. Press ◼ SET button.
   “CHECK/ON/1” is displayed, and the displayed detail timer operation setting disappears and is canceled.
   ▼ “DATE” is displayed again.
   Repeat step 2 to 4 to continue canceling other settings.

5. Press ◼ ON/OFF button.
   Timer mode ends.
HOW TO PERFORM THE TIMER OPERATION

< WIRED REMOTE CONTROL >

TIMER CANCELLATION MODE

1. Press [TIMER] button.
   Timer mode begins.
   The current “The day of the week” and “the current time” are displayed.
   
2. Press ▼ button for five times.
   “SLEEP TIMER” (first press) or “OFF TIMER” (second press) or “ON TIMER” (third press) or “WED-AFTER” (fourth press) or “TIMER CANCEL” (fifth press) is displayed.

   Timer Cancellation Mode begins.

4. Press ▲ or ▼ button.
   By pressing ▲ or ▼ button, it is possible to choose the item to cancel.
   “SLEEP TIMER” (cancelling all days of the week)
   “OFF TIMER”
   “ON TIMER”
   “WED-AFTER”
   “TIMER CANCEL”

If you press the [RESET] button, the remote control will return to the previous screen, and display “TIMER CANCEL”. (step 2 above)

In case “SLEEP TIMER” or “OFF TIMER” or “ON TIMER” was selected.

5. Press [SET] button.
   The detailed setting of selected timer mode is displayed as shown below.
   (But if not set, “COMPLETE” is displayed.
   “Display EXAMPLE when “ON TIME” is selected-
   SLEEP TIMER 1:00” and OFF TIMER 7:00”
   If you would like to quit cancellation, press the [RESET] button to return to the “ON TIME” display. (step 2 above)

   The display of the detailed timer setting is turned off, and after the message “COMPLETE” is displayed for two seconds, “COMPLETE” is displayed again. (step 4 above)
   Repeat steps 6 to 10 to continue canceling timer mode settings.

In case “REMAIN TIMER” was selected.

All the daily timer setting will be canceled if you proceed the following steps.

To cancel a part of the timer setting, please see “Canceling Weekly timer Mode Setting” on page 7

5. Press [SET] button.
   The settings are displayed as shown below.
   (But if not set, “COMPLETE” is displayed)
   “COMPLETE”
   If you would like to quit cancellation, press the [RESET] button to return to the “ON TIME” display. (step 4 above)

   The day of the week display area turns off, and after the message “COMPLETE” is displayed for two seconds, the display returns to “SLEEP TIMER” (step 4 above)
   These operation settings cancel all days of the week.

7. Press ON/OFF button.
   Timer mode ends.

8. If you press [ON/OFF] button while timer mode is under setting, timer mode is canceled and the display will return to the original one.

HOW TO OPERATE IN SILENT MODE

< WIRED REMOTE CONTROL >

SILENT MODE

When the silent mode is set, the unit operates more silently reducing noise from the outdoor unit.

The system applies the silent operation mode at the starting time to be set, and finish it after a certain period of time has passed.

Once the system is set to operate with the silent mode, the setting is applied every day until it is canceled.

Silent Mode Setting

In the timer mode, set the current day of the week and current time. 
(See page 6 step 1 to 7)

1. Press [SET] button for three seconds or more.
   The remote control goes into silent mode setting and the following is displayed.
   “SET SILENT” or “CANCEL SILENT” (lights)

2. Press ▲ or ▼ button.
   If ▲ button is pressed, “CANCEL SILENT” is displayed.
   If ▼ button is pressed, “SILENT” is displayed.

   Select “SET SILENT”

   If you press the [RESET] button, the remote control return to the original screen.

   The following setting is displayed.
   “5:00” (Flashing)

   “5:00” (Flashing)

5. Press ▲ or ▼ button.
   Set the “ON TIME”.
   “Set Hour”
   If you hold ▲ or ▼, the number in “Hour” display changes, and if you release it, the number stops changing.

   “Set Minute”
   If you press ▲ or ▼ button, the number in the display becomes larger or smaller by ten minutes.
   If you press the [RESET] button, the remote control return to the “SET SILENT” display.

   The ON TIME is set and the following is displayed.
   “Complete” (flashing)

7. Press ▲ or ▼ button to set the duration.
   Select OFF time.
   “OFF TIME”
   The remote control has main-sub units, silent setting cannot be operated with sub unit.

   If the silent mode is set, the following is displayed for 3 seconds at the set time and the unit returns to the original display.
   At the ON time “SLIGHT ON”
   At the OFF time “SILENT OFF”
   If you select “24 hours”, you can continue the silent mode until it is canceled. At the first ON time, the display shows “ON TIME SET” for three seconds, and returns to original display.

   The setting is fixed and displayed.
   “COMPLETE” is displayed, and the silent mode setting ends.
   The setting display turns off, and returns to original display.
### HOW TO ADJUST THE LOUVER (IN CASE OF FDT, FDTC, FDE) < WIRED REMOTE CONTROL >

**ADJUSTING WITH LOUVER BUTTON (Indoor unit with auto swing function)**

Press 🈶️ LOUVER button once, and the current status of louver is displayed.

![Image of looever adjusting button]

- **The display during auto swing**
  - **SWING**
  - **STOP**

- **The display with the louver position fixed**
  - **STOP**

When you operate the swing louver

1. Press 🈶️ LOUVER button, and change the display to "ORIZO".

   ![Image of looever adjusting button](76x284 to 145x291)

2. Press 🈶️ LOUVER button once when the display of the louver comes to the position you desire.

   The display is switched to stop, and the position of louver is fixed.

   Recommended louver fixed position

<table>
<thead>
<tr>
<th>COOL/DRY</th>
<th>SELECT 1</th>
<th>SELECT 2</th>
<th>SELECT 3</th>
<th>SELECT 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   - **CAUTION**
   - Do not move the swing louver manually for fear that it may be damaged.
   - Do not blow downwards during cooling operation for a long time for fear that dew condensation may be formed at the side panel. (In case of FDE)

   ![Image of air conditioner](507x210)

### HOW TO SET THE AIRFLOW DIRECTION (IN CASE OF FDT, FDTC, FDE) < WIRED REMOTE CONTROL >

It is possible to change the movable range of the louver on the air outlet from the wired remote control. Once the top and bottom positions are set, the louver will swing within the range between the top and the bottom positions when swing operation is chosen.

With Ceiling cassette -4 way - FDT and FDTC, it is also possible to apply different setting to each louver.

1. Stop the air conditioner and press 🈶️ SET button and 🈶️ LOUVER button simultaneously for three seconds or more.

   - For FDT and FDTC type, in case the louver No. to be set is uncertain, set any louver temporarily. The louver will swing once when the setting is completed and it is possible to confirm the louver No. and the position.

   - After that, choose the correct louver No. and set the top and bottom positions.

   - For FDE type, set louver No. 1. Other settings selected have no effect.

   ![Image of air conditioner](507x210)

2. Press ▲ or ▼ button. (selection of upper limit)

   Select the upper limit of louver movable range.

   ![Image of air conditioner](507x210)

3. Press 🈶️ SET button. (determination of indoor unit)

   Selected indoor unit is fixed.

   ![Image of air conditioner](507x210)

4. Press ▲ or ▼ button. (selection of louver No.)

   Select the louver No. to be set according to the left figure.

   ![Image of air conditioner](507x210)

5. Press 🈶️ SET button. (Determination of louver No.)

   The louver No. to be set is confirmed and the display shows the upper limit of the movable range.

   ![Image of air conditioner](507x210)

6. Press ▲ or ▼ button. (selection of upper limit position)

   Select the upper limit of louver movable range.

   - "position 1" is the most horizontal, and "position 6" is the most downwards.

   - "position --" is to return to the factory setting. If you need to change the setting to the factory setting, use "position --".

   ![Image of air conditioner](507x210)

7. Press 🈶️ SET button simultaneously for three seconds or more.

   - If No.1 louver is selected, "¬Ηι1ΡΙΠΡΡ α→" --current upper limit position

   ![Image of air conditioner](507x210)
HOW TO SET THE AIR FLOW DIRECTION

< WIRED REMOTE CONTROL >

7 Press ⑬ SET button (Fixing of the upper limit position)
The upper limit position is fixed and the setting position is displayed for two seconds. Then proceed to lower limit position selection display.

[EXAMPLE]

⑬ 1.1U0R62 (lights for two seconds)
⑬ 1.6.L1U0R5 (current setting)

8 Press ▲ or ▼ button (Selection of lower limit position)
Select the lower limit position of louver.

"position 1" is the most horizontal, and "position 6" is the most downwards.

"position --" is to return to the factory setting. If you need to change the setting to the factory setting, use "position --".

⑬ 1.1L0R4 (the most horizontal)
⑬ 1.6.L1N0R2 (the most downwards)
⑬ 1.6.L1L0R2 (return to the position of shipment)

9 Press ⑬ SET button (Fixing of the lower limit position)
The upper limit position and lower limit position are fixed, the set positions lights for two seconds, and then the setting is completed.

- After the setting is completed, the louver which was set moves from the original position to the lower limit position, and goes back to the original position again. (This operation is not performed if the indoor unit and/or indoor unit fan is in operation.)

[EXAMPLE]

⑬ 1.1L0R62 (lights for two seconds)
⑬ 1.6.L1U0L5 (sets)
⑬ 1.6.L1R0L5 (returns)

10 Press ⑬ ON/OFF button.
Louver adjusting mode ends and returns to the original display.

1. If you press ⑬ RESET button during settings, the display will return to previous display. If you press ⑬ ON/OFF button during settings, the mode will end and the original display will return, and the settings that have not been completed will become invalid.

2. When plural remote controllers are connected, louver position setting cannot be set by slave remote control.

FOR COMFORTABLE USE

Clean the filter frequently
The filter should be cleaned when the “Filter cleaning” message is displayed, and at the ends of cooling and heating seasons.

If the filter is clogged...
• The cooling/heating capacity will get reduced. Moreover it leads to waste of electricity and larger operation noise.
• It may cause failure.
• Dew may form and drop during cooling.

Do not block the inlet and outlet grilles of the indoor and outdoor units.
Excessive load to the unit may cause failure.

Keep moderate room temperature
Too much cooling or heating is not good for your health. It will also waste the electricity.

Block direct sunlight and prevent draft
Block direct sunlight with blinds and curtains during cooling. Close the windows and doors except when ventilation is necessary.

Adjust the airflow properly
Do not expose yourself directly to the airflow for too long time. For small animals and plants, it is harmful as well.

If you feel cold underneath your feet during heating
If the ceiling is so high that the warm airflow does not circulate underneath your feet, it is recommended to use a circulator. Consult your dealer for more detail.

Stop the operation and turn the power supply off if there are any possibility of lightning strikes during a thunderstorm.
Lightning strikes may lead to the failure of air-conditioning system.
**When the Check Indicator Light (Red) Flashes**

If errors have occurred for some of the connected AIR CON units, only the units for which errors have occurred stop operating. The remote control shows the units that have stopped. The remote control displays the errors that have occurred for all the connected air conditioning units.

1. Press AIR CON No. button. Enter AIR CON No. display mode.
2. Press button. AIR CON No. and error codes are displayed in order from the lowest.
3. Press ON/OFF button. Return to the AIR CON of the lowest number.

If errors have occurred for some of the connected AIR CON units, only the units for which errors have occurred stop operating. The remote control shows the units that have stopped. The remote control displays the errors that have occurred for all the connected air conditioning units.

1. Press AIR CON No. button. Enter AIR CON No. display mode.
2. Press button. AIR CON No. and error codes are displayed in order from the lowest.
3. Press ON/OFF button. Return to the AIR CON of the lowest number.

**How to Display AIR CON No.**

By operating AIR CON No. button, the number of the connected AIR CON unit and error codes of the units which have the record are displayed.

1. Press AIR CON No. button. Enter AIR CON No. display mode.
2. Press button. AIR CON No. and error codes are displayed in order from the lowest.
3. Press ON/OFF button. Return to the AIR CON of the lowest number.

**Replacing the Batteries**

If the display of remote control has troubles, press button. Replace them with new ones.

1. Pull the cover off.
2. Replace the old batteries with new ones. (R03D)
3. Close cover.

**How to set Radio Interference Prevention Setting**

1. Press button with a ballpoint pen to set the remote control to the factory settings.
2. Press button with a ballpoint pen to set the remote control to the factory settings.
3. Press button with a ballpoint pen to set the remote control to the factory settings.

**Room Temperature Display**

If room temperature display setting is activated, room temperature is displayed on the remote control display. When airflow display turns off, but airflow adjusting button is activated. Consult your dealer for settings.

**Operation section**

- **Display section**
  - **NAME AND FUNCTION OF THE REMOTE CONTROL BUTTONS**
    - **Wireless Remote Control**
      - **AIR FLOW display**
        - Indicates the status of manual bias. (See page 15)
      - **FAN SPEED display**
        - Indicates the selected airflow volume. (See page 15)
      - **FILTER display**
        - Indicates when filter is set. (See page 15)
      - **ON TIMER display**
        - Indicates when ON-TIMER is set. (See page 15)
      - **OFF TIMER display**
        - Indicates when OFF-TIMER is set. (See page 15)
      - **ON-OFF button**
        - Used to turn on the remote control. (See page 15)
      - **OPERATION MODE button**
        - Used to set the operation mode. (See page 15)
      - **TIME SET UP switch**
        - Set current time. (See page 15)
      - **TIMER CANCEL button**
        - Used to cancel the TIMER SETTING. (See page 15)
    - **Remote Control Handling Procedure**
      - When you press each button of wireless remote control, directly pointing to the receiving part of air conditioner, the signal is transmitted. If the air conditioner receives the signal correctly, the light of operation indication will flash.

**Attention**

- **About Remote Control Holder**
  - The remote control can be mounted on the wall with the remote control holder. Slide it from the upper part of the holder to place or take out the remote control.
HOW TO USE < WIRELESS REMOTE CONTROL >

HOW TO OPERATE

• In order to protect both indoor/outdoor air conditioners, keep the power supply on for six hours before initial operation. Do not turn off the power supply. (Power is distributed to the crankcase heater, even if the compressor is stopped. This keeps the compressor warm, and prevents failures caused by accumulation of liquid refrigerant.)
• The operation of remote control must be performed slowly and steadily.

CURRENT TIME SETTING PROCEDURE

The timer is set on the current time. Adjust the current time correctly at first of all.

ON – TIMER OPERATION

Operation is started at the setting time.

Example]
If you would like to start the operation at AM 8:00
1. Press ON timer button.
ON timer display (Green) blinks.
2. Press or button to adjust to AM 8:00.
Displayed time will be changed by 10 minutes by pressing the buttons.
3. Press ON timer button.
• ON timer display (Green) stops flashing and lights, and the setting is completed. (Press within 60 seconds).
• TIMER/CHECK display lamp of the unit conditioner lights. (The receiving part of indoor unit)
• At AM 8:00, TIMER/CHECK display lamp turns off and the air conditioner will start operating.

OFF – TIMER OPERATION

Operation is stopped at the setting time.

Example]
If you would like to stop the operation at PM 9:00
1. Press OFF ON/OFF button.
The air conditioner starts to operate.
2. Press OFF timer button.
OFF timer display (Red) blinks.
3. Press or button to adjust to PM 9:00.
Displayed time will be changed by 10 minutes by pressing the buttons.
4. Press OFF timer button.
• OFF timer display (Red) stops flashing and lights, and the setting is completed. (Press within 60 seconds)
• TIMER/CHECK display lamp of the air conditioner lights. (The receiving part of indoor unit)
• At PM 9:00, TIMER/CHECK display lamp turns off and the air conditioner will stop operating.

PROGRAM TIMER OPERATION

By setting both ON timer and OFF timer, the settings turn into PROGRAM timer mode. Operation and stopping can be performed at the same time of each day by setting program timer once.

Example]
If you would like to stop the operation at PM 9:00
1. Press OFF ON/OFF button when the air conditioner stops.
The air conditioner can be set only in case the air conditioner is in operation.
2. Press OFF timer button.
OFF timer display (Red) blinks.
3. Press or button to adjust to PM 9:00.
Displayed time will be changed by 10 minutes by pressing the buttons.
4. Press OFF timer button.
• OFF timer display (Red) stops flashing and lights, and the setting is completed. (Press within 60 seconds)
• TIMER/CHECK display lamp of the air conditioner lights. (The receiving part of indoor unit)
• At PM 9:00, TIMER/CHECK display lamp turns off and the air conditioner will stop operating.

Cancellation
• Press CANCEL button to turn off the TIMER display and timer is canceled.
• After TIMER setting, if ON/OFF button is pressed before the setting time, TIMER display turns off and the TIMER is canceled.

Time change
Press OFF ON/OFF button to set again.
To fix the position of the swing louver
Press AIR FLOW button when the louver position indication comes to the position where you would like to fix it.

• Auto swing display stops at the position and then the swing louver stops and be fixed.

NOTICE
Press the button and auto swing display stops immediately, then the swing louver stops later, but this is not a failure. (Auto swing display and the actual louver movement of the air conditioner are not synchronized)

The swing louver movement during heat preparation
When ‘heat preparation’ is displayed, the position of the swing louver sets horizontal automatically. (The display of remote control keeps the set position)
When heat preparation ends and normal operation starts, the position of the swing louver returns to the set position.

Recommended air flow direction
position (when fixed)

Recommended air flow direction
position (when fixed)

COOL
DRY
AUTO
HEAT

CAUTION
Do not set the position of the swing louver downwards for a long time. Dew formation on the side panel may drop. (in case of FDE)

FOR COMFORTABLE USE
See page 12

CHECK INDICATION, FILTER SIGN
< WIRELESS REMOTE CONTROL >

Ceiling suspended (FDE)

When short flashing light (light for 0.5 seconds and blinks for 0.5 seconds) is shed from the timer/check indicator lamp (yellow)

• There is something wrong with the air conditioner.
  • Immediately after the timer/check indicator lamp flashed lights for 0.5 seconds and blinks for 0.5 seconds, the air conditioner stops.
  • Address No. and error code are shown on the display on the indoor unit.
  • The monitor display is turned off after the display time elapses.
  • When nothing is displayed on the monitor, operate the remote control or press the BACKUP button to resume.

• Please contact your dealer and inform them “address No. and error code”, “symptom of the trouble”, “air conditioner type” and “model name” etc.
  • Press the ON/OFF button to stay the air conditioner on the stop mode.

When long flashing light (lights for 2 seconds and blinks for 1 second) is shed from the timer/check indicator lamp (yellow)

• Clean the filter.
  • When cumulative running time reaches to 120 hours, long flashing light (lights for 2 seconds and blinks for 1 second) is shed from the timer/check indicator lamp (yellow).
  • After cleaning of filter, press the FILTER button on the remote control to turn off the filter cleaning sign. (Press the button for one second or more)

NOTICE
The cumulative running time for filter sign can be changed. Consult your dealer for more information.

Ceiling cassette − 4 way (FDTC)

When short flashing light (light for 0.5 seconds and blinks for 0.5 seconds) is shed from the timer/check indicator lamp (yellow)

• There is something wrong with the air conditioner.
  • Immediately after the timer/check indicator lamp flashed lights for 0.5 seconds and blinks for 0.5 seconds, the air conditioner stops.
  • Address No. and error code are shown on the display on the indoor unit.
  • The monitor display is turned off after the display time elapses.
  • When nothing is displayed on the monitor, operate the remote control or press the BACKUP button to resume.

• Please contact your dealer and inform them “address No. and error code”, “symptom of the trouble”, “air conditioner type” and “model name” etc.
  • Press the ON/OFF button to stay the air conditioner on the stop mode.

When long flashing light (lights for 2 seconds and blinks for 1 second) is shed from the timer/check indicator lamp (yellow)

• Clean the filter.
  • When cumulative running time reaches to 120 hours, long flashing light (lights for 2 seconds and blinks for 1 second) is shed from the timer/check indicator lamp (yellow).
  • After cleaning of filter, press the FILTER button on the remote control to turn off the filter cleaning sign. (Press the button for one second or more)

NOTICE
The cumulative running time for filter sign can be changed. Consult your dealer for more information.
**How to Maintain**

**How to clean the Air Filter**
Clean the filter frequently for economical operation.

- **Caution** Before cleaning, stop the operation and turn off the power supply. Otherwise, it may lead to injury as the fan inside rotates at high speed.
- **Caution** The stepladder used for removing and attaching the air filter must be fixed firmly. Otherwise, it may lead to injury due to overturn or fall.
- **Caution** Be careful so that the dust does not get into your eyes when removing the air filter.
- **Caution** Do not operate the air conditioner while the air filter is removed. Piled up dust may lead to malfunction.

**How to remove**
Follow the instruction mentioned below according to the indoor unit type.

- **Ceiling cassette -4 way- (FDT)**

  **How to remove the grille**
  1. Hold the stoppers on the grille (2 places) to the "OPEN" direction (arrow mark 1), and then pull down to open the grille. Remove the hooks of the grille to dismount it.

  **How to remove the filter**
  1. Push holders (arrow mark 2) and filter frame (arrow mark 2'), and remove the filter from the holders. Then, slide the filter in the indicated direction (3) to remove it from the grille.

  **How to mount the filter**
  1. Check that the filter is on the right side and that its orientation is correct. Then, hook it to the hooks. (Insert in the way indicated with arrow mark 4)
  2. Ensure to insert the holders of the grille into the filter's holes until clicking sounds are heard.

  **How to mount the grille**
  1. Mount the hooks of the grille to the holes on the panel. (The hooks on the grille can be mounted in all 4 directions.)
  2. Close the grille while pressing the stoppers on the grille (2 places) to the "OPEN" direction. Then, release the stoppers.

- **Ceiling suspended (FDE)**

  **Backup button**
  In case of battery exhausted, or loss or any trouble of remote control, the air conditioner can be operated with the BACKUP button on the indoor unit display part.

  **Ceiling cassette -4 way Compact (600x600mm) - (FDTC)**

  **Backup button**

**How to handle inlet grille/filter**

- **Removal**
  1. Press backup button and leave it untouched for two seconds. The operation starts.
  2. Press it again to stop the operation.

- **Mounting**
  1. Ensure to insert the holders of the grille into the filter's holes until clicking sounds are heard.

**Operation**

- **ON/OFF**
  - Press backup button and leave it untouched for two seconds.
  - Press it again to stop the operation.

- **TIMER**
  - The operation starts.
  - Press it again to stop the operation.

- **SETTING**
  - OPERATION MODE .......... AUTO
  - FAN SPEED .................... HI
  - SET TEMP ...................... 23°C
  - AUTO SWING .................... STOP (HORIZONTAL)
HOW TO MAINTAIN

Ceiling cassette – 4 way Compact (600×600mm) – (FDTC)

1. Slide the inlet grille levers in the direction of the arrow (→), and open it downwards.
2. Release the inlet grille stopper.
3. Pull the filter towards you.
4. When the filter is put in place, insert the filter into the hooks on the inlet grille, and be sure to return the stopper to its original position.
5. When putting the inlet grille back in place, slide the levers in the opposite direction and check to be sure that the grille does not come open.

Ceiling suspended (FDE)

1. Slide the lever of the inlet grille backward (= direction) and open it downwards.
2. Pressing the inlet grille, press the filter to remove it from the tab and pull it downwards.
3. Pull the filter towards you.
4. When attaching the filter, insert the filter into the tabs of the inlet grille.

Duct connected – High static pressure – (FDU)
Duct connected – Middle static pressure – (FDUM)

Air filter is attached when the air conditioner is installed, so consult your dealer about how to remove or clean it.

How to clean

1. Wash away for cleaning. If it is not so dirty, tap it or use a dry cloth. If it is very dirty, dissolve some neutral detergent in lukewarm water and wipe it away completely.
2. Release the inlet grille stopper.
3. Pull the filter towards you.
4. When the filter is put in place, insert the filter into the hooks on the inlet grille, and be sure to return the stopper to its original position.
5. When putting the inlet grille back in place, slide the levers in the opposite direction and check to be sure that the grille does not come open.

FLOOR STANDING (FDF)

1. Pull the filter towards you.
2. The filter is pulled out from the tabs of the inlet grille.

AttentioN

• Do not dry by exposing the air filter to the direct sunlight or using fire. Otherwise, the filter may be damaged.
• Do not operate the air conditioner with the filter removed. Otherwise it may lead to trouble.

Maintenance of the unit

• Clean the unit with a soft cloth or dry sponge. If the unit is very dirty, wipe it with a cloth with neutral detergent dissolved in lukewarm water and wipe it off with clean water.

AT THE END OF THE PERIOD OF USE (after a long period of use)

• Make sure to turn off the power supply. The air conditioner consumes several watts of electricity even if it is stopped.
• Clean the filter and mount it.
• Clean the indoor/outdoor units.

AT THE BEGINNING OF THE PERIOD OF USE (after a long unused period)

• Make sure that there is no object blocking the airflow around the inlet and outlet grilles of the indoor/outdoor unit.
• Inspect the air filter. If it is dirty, clean and mount it.
• Turn on the power supply button for 6 hours before starting the operation.

TrouBle ShooTing

Check the following items before requiring service.

The unit does not work at all

Is there a blackout or is the fuse blown?
Is the leakage breaker activated?
Is sunlight or other strong illumination striking the receive unit? (wireless unit)

Poor cooling or heating

Is the air filter clogged?
Are there any obstacles blocking the air inlet and outlet grill?
Is the air flow towards the room?
Are there any unexpected heat sources in the room?
Are there too many people in the room?

Poor cooling

Is there the direct daylight coming into the room?

No airflow at heating

Is the unit in the heating preparation mode?

The phenomena mentioned below is not malfunction.

The air conditioning system sounds as if water is draining from it.
These sounds can be heard when the air conditioning system is performing automatic control.

The supply air from the indoor unit smells bad. The supply air from the indoor unit may smell bad if the smell of cigarette, cosmetics and/or furniture has saturated the air conditioning system.

While vapor may be generated during operation if the system is used in environment where oils and fats are frequently used, such as in restaurants. In this case, consult the dealer and clean the heat exchanger.

The indoor fan does not stop even when the operation is stopped in heating mode.

The indoor unit fan may continue operating for 40 seconds in order to remove remaining heat in the indoor unit.

CAUTION Do not turn off the power supply until the fan stops.

The air conditioning system cannot start operating or stops operating immediately after stopping.

During the first 3 minutes after stopping operation, it is not possible to perform cooling, dehumidifying or heating operation even if the ON/OFF button is pressed to indicate “operation.” This is because a circuit for protecting the compressor is activated (the fan is operating during this period).

An air comes out during dehumidifying operation.

During dehumidifying operation, the fan speed is automatically controlled in low speed operation in order to avoid both drastic temperature drop and humidity rise.

The swing louver moves without any operation.

The swing louver automatically swings twice when the power supply switch is turned on. This is not a trouble. The louver also moves automatically to the horizontal position when “PREPARATION OF HEATING” is displayed.

The outdoor unit discharges water or steam during defrosting operation which removes frost built up on the surface of the heat exchanger in the outdoor unit in heating mode.

The outdoor unit fan is not turning even when the system is in operation.

The fan speed is automatically controlled according to the ambient temperature. It may be stopped in high ambient temperature in case of heating, and in low ambient temperature in case of cooling. Also, the fan is stopped during defrosting operation.

CAUTION The fan will suddenly begin to operate even if it is stopped. Do not insert finger and/or stick.
TROUBLE SHOOTING

The phenomena mentioned below is not malfunction.

**Snipping sounds are heard.** These sounds are generated when plastic components are expanded or shrunk by the heat and rubbed with each other.

**Hissing sounds are heard when the operation is stopped or during defrost operation.** These sounds are generated when the refrigerant valve inside the air conditioning system is activated.

The air conditioner starts operation automatically as soon as the power supply is turned on.

**The setting temperature cannot be changed (the setting temperature display flashes).** In case of a wireless remote control, the unit does not operate with the inspection display light on the indoor unit flashing even when any button on the remote control is pressed.

**Even if the wired remote control is operated, "central control" light only flashes and doesn’t operate.** Even if the wired remote control is operated, "central control" light only flashes and doesn’t operate.

**The phenomena mentioned below is not malfunction.**

**PREPARATION OF HEATING**

**CASES WHEN "PREPARATION OF HEATING" IS DISPLAYED**

1) "PREPARATION OF HEATING" is displayed in the remote control display area in the following cases. For wireless devices, the countdown display lamp on the main body display unit will flash green.

- **At Starting Heating Operation**

- **During Heating Operation**

- **At defrost operation (during heating operation)**

- **At Starting Heating Operation**

- **During Heating Operation**

- **When room temperature adjusting device operates during heating**

- **When room temperature adjusting device operates during heating**

**HEATING OPERATION**

- **Heat pump type**

- **Defrosting operation**

- **Outside air temperature and heating capacity**

- **Time required until the room temperature increases**

- **When room temperature adjusting device operates during heating**

**AUTO RESTART**

**NOTES**

- **What is auto restart**

- **Timer setting is cancelled.** The sleep timer recovers after power failure recovery. When recovering from a power failure, holiday setting will override the weekly time setting. And time setting returns to default. To return to original setting, after time setting, execute "holiday cancel".

- **Louver stops at the horizontal position.**

- **Is the remote control mounted correctly?**

- **Is the attached remote control clamps used for fixing the remote control cord?**

**SETTING TO DISABLE BUTTON OPERATION**

**NOTE**

The following button operations can be disabled. If the button is pressed, "UNABLE TO OPERATE" is displayed indicating that the button is disabled, and the original display returns. Consult your dealer for "UNABLE TO OPERATE" setting.

- **CONFIRM button**

- **TEMP button**

- **LOUT button**

- **MODE button**

- **FAN SPEED button**

- **TIMER button**

**INSTALLATION, RELOCATION, AND INSPECTION MAINTENANCE**

Please observe the following points in order to use the air conditioner in a safe and comfortable manner. Make sure to request your dealer for installation, and do not attempt to do by yourself.

**INSTALLATION LOCATION**

- **Is the system installed in a well-ventilated place?** Are there any obstacles? It it leads to the decrease of the efficiency and the increase of operation noise.

- **Avoid the place where cosmetic air and operation noise cause problems to your neighbors.**

**ELECTRICAL WORK**

- **Caution :** Make sure to perform grounding work. Do not connect the ground wire to any gas pipe, water pipe, or wires of lightning conductors and telephones. If the ground work is not good, it may lead to electric shocks.

- **Caution :** A leakage breaker is necessary depending on the installation environment. If it is not mounted there, it may lead to electric shock.

**OPERATION RANGE**

Please use the system in the following operation range. If the system is operated outside this range, the protection controls may be activated to prevent malfunction.

**NOTE**

Always operate the system within the operation range. In addition, outdoor unit starts operating 3 minutes after the power supply is turned on.
This table indicates the details of regular inspection items and their intervals (inspection interval), and the timing of parts replacement under a normal use condition. When a replacement falls into a certain category specified by the laws and regulations of each country, conduct the maintenance and inspection according to the specified rule too. As to the preventive maintenance, the regular inspection interval is indicated as the “inspection interval” and the predicted interval of the “implementation of cleaning and adjustment” or “replacement of parts or repair” according to the result of the regular inspection is indicated as the “maintenance interval.” As to the cleaning and adjustment, the timing is set to prevent deterioration of parts and the degradation of performance. As to the parts replacement or repair after the inspection, this timing is set to the operation time or use time, when the wear-out failure period is reached.

### Explanation of symbols:
- Conduct the cleaning and adjustment according to the inspection result.
- In case of abnormality or damage, replace or repair the corresponding part.
- Conduct the periodic replacement (consumable components) as per the table.

#### MAIN MAINTENANCE AND INSPECTION GUIDELINE OF MAIN PARTS OF PACKAGED AIR CONDITIONER

**(Mainly indoor parts and built-in components)**

*The distinction between the indoor and outdoor assumes the air conditioner for a store and a multiple-air conditioner for a building. This may vary depending on the configuration of the unit, such as equipment air conditioner.*

<table>
<thead>
<tr>
<th>Main Part Name</th>
<th>Details of Inspection</th>
<th>Inspection Method</th>
<th>Criteria/Standard/S</th>
<th>Details of Maintenance</th>
<th>Inspection Interval</th>
<th>Maintenance Interval (Use Hours/Devon)</th>
<th>Elapsed Years</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filter</td>
<td>- Check of dust adhesion and leakage</td>
<td>Visual inspection</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace it if the resistance value is 1 MΩ or less</td>
<td>8 years</td>
<td>Every year before the operating season</td>
<td></td>
<td>Additional maintenance*</td>
</tr>
<tr>
<td>Fan</td>
<td>- Visual check of dust adhesion and appearance</td>
<td>Visual inspection</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace it if the resistance value is 1 MΩ or less</td>
<td>8 years</td>
<td>Every year before the operating season</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bearing</td>
<td>- Regular lubrication is required</td>
<td>Audible inspection</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace it if the resistance value is 1 MΩ or less</td>
<td>10 years</td>
<td>After the operating season</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Piston</td>
<td>- Insulation resistance, abnormal sound generation</td>
<td>Visual inspection</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace it if the resistance value is 1 MΩ or less</td>
<td>20,000 Hr</td>
<td>After the operating season</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drain pump</td>
<td>- Insulation resistance, abnormal sound generation</td>
<td>Visual inspection</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace it if the resistance value is 1 MΩ or less</td>
<td>20,000 Hr</td>
<td>After the operating season</td>
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<td></td>
</tr>
<tr>
<td>Heat exchanger</td>
<td>- Insulation resistance, abnormal sound generation</td>
<td>Visual inspection</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace it if the resistance value is 1 MΩ or less</td>
<td>20,000 Hr</td>
<td>After the operating season</td>
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<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>- Insulation resistance, abnormal sound generation</td>
<td>Visual inspection</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace it if the resistance value is 1 MΩ or less</td>
<td>20,000 Hr</td>
<td>After the operating season</td>
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</tr>
<tr>
<td>Electronic</td>
<td>- Insulation resistance, abnormal sound generation</td>
<td>Visual inspection</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace it if the resistance value is 1 MΩ or less</td>
<td>20,000 Hr</td>
<td>After the operating season</td>
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</tr>
<tr>
<td>Control board</td>
<td>- Insulation resistance, abnormal sound generation</td>
<td>Visual inspection</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace it if the resistance value is 1 MΩ or less</td>
<td>20,000 Hr</td>
<td>After the operating season</td>
<td></td>
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</tr>
<tr>
<td>Remote control</td>
<td>- Insulation resistance, abnormal sound generation</td>
<td>Visual inspection</td>
<td>- The resistance value should be 1 MΩ or more</td>
<td>- Replace it if the resistance value is 1 MΩ or less</td>
<td>20,000 Hr</td>
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</tr>
</tbody>
</table>

Note 1) Random fault is an unexpected failure which occurs before the wear is progressed within the service-life of the parts and equipment. It is difficult to establish a technological measure against the random fault. At the moment, statistical handling is the only measure against the random fault.

Note 2) The elapsed year marked with “•” assumes the operating time as 10 hours/day and 2500 hours/year in a normal operating condition without frequent start/stop. This may vary according to the operating condition. Please check the calculation basic of the elapsed year when making a maintenance contract.

Note 3) The periodic replacement (consumable components) is basically every week. However, the contamination state varies depending on the type of filter and the use condition. Therefore, conduct the inspection in arbitrary cycles according to the use condition.

Note 4) Conduct the cleaning and adjustment according to the inspection result. In case of abnormality or damage, replace or repair the corresponding part.
The distinction between the indoor and outdoor assumes the air conditioner for a store and a multiple-air conditioner for a building. This may vary depending on the configuration of the unit, such as equipment air conditioner.

Note 1) Random fault is an unexpected failure which occurs before the wear is progressed, within the service life of the parts and equipment. It is difficult to establish a technological measure against the random fault. At the moment, statistical handling is the only measure against the random fault.

The expired year marked with * assumes the operating time as 10 hours/day and 2500 hours/year in a normal operating condition without frequent startup/stop. This may vary according to the operating condition. Please check the calculation basis of the expired year when making a maintenance contract.

Note 2) Random failure starts and how the failure rate increases as the time passes.

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### Explanation of symbols
- ◻ Conduct the cleaning and adjustment according to the inspection result.
- ●● In case of abnormality after inspection, replace or repair the corresponding part.
- ◼ Conduct the periodic replacement (consumable component).
### Electric and electronic parts

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Details of Inspection</th>
<th>Inspection Method</th>
<th>Criteria - Standards</th>
<th>Details of Maintenance</th>
<th>Inspection Interval</th>
<th>Maintenance Interval (used hours/duration)</th>
<th>Elapsed Years</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacitor</td>
<td>Conductivity check</td>
<td>Tester</td>
<td>- Should be of specified volume or more</td>
<td>Replace parts regularly</td>
<td>8 years</td>
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<tr>
<td>Conduction</td>
<td>- Visual inspection</td>
<td>Driver, visual inspection</td>
<td>- There should be no deformation</td>
<td></td>
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<tr>
<td>Electronic component box</td>
<td>Terminal part, connector, etc. (including inverter)</td>
<td>Measurement of electrical capacitance and insulation resistance</td>
<td>- Measurement of electrical capacitance, 500 V mega, visual inspection</td>
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<tr>
<td>Electrolytic capacitor</td>
<td>Measurement of electrical capacitance and insulation resistance</td>
<td>Electrostatic instrument, 500 V mega</td>
<td>- Should be of specified value or more</td>
<td>Replace parts regularly</td>
<td>10 years</td>
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<tr>
<td>Electrolytic capacitor</td>
<td>Electrolytic capacitor</td>
<td>Visual inspection</td>
<td>- There should be no whipping</td>
<td>Replace parts regularly</td>
<td>10 years</td>
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<td>Electrolytic capacitor</td>
<td>Electrolytic capacitor</td>
<td>Visual inspection</td>
<td>- There should be no leakage</td>
<td>Replace parts regularly</td>
<td>10 years</td>
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