Air-Conditioners

PEAD-RP71, 100, 125, 140JAA

OPERATION MANUAL
For safe and correct use, please read this operation manual thoroughly before operating the air-conditioner unit.
1. Safety Precautions

Before operating the unit, make sure you read all the “Safety precautions”.

“Safety precautions” lists important points about safety. Please be sure to follow them.

Symbols used in the text

- **Warning:** Describes precautions that should be observed to avoid the risk of injury or death to the user.
- **Caution:** Describes precautions that should be observed to prevent damage to the unit.

Symbols used in the illustrations

- ![Symbol](image)
  - Indicates an action that must be avoided.
  - Indicates that important instructions must be followed.
  - Indicates a part which must be grounded.
  - Beware of electric shock. (This symbol is displayed on the main unit label.) <Color: yellow>

Warning:

Carefully read the labels affixed to the main unit.

1.1. Installation

- After you have read this manual, keep it and the Installation Manual in a safe place for easy reference whenever a question arises. If the unit is going to be operated by another person, make sure that this manual is given to him or her.

**Warning:**

- The unit should not be installed by the user. Ask the dealer or an authorized company to install the unit. If the unit is installed improperly, water leakage, electric shock or fire may result.
- Use only accessories authorized by Mitsubishi Electric and ask your dealer or an authorized company to install them. If accessories are installed improperly, water leakage, electric shock or fire may result.
- The Installation Manual details the suggested installation method. Any structural alteration necessary for installation must comply with local building code requirements.
- Never repair the unit or transfer it to another site by yourself. If repair is performed improperly, water leakage, electric shock or fire may result. If you need to have the unit repaired or moved, consult your dealer.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.

1) Outdoor unit

**Warning:**

- **Outdoor unit**
  - The outdoor unit must be installed on a stable, level surface, in a place where there is no accumulation of snow, leaves or rubbish.
- Do not stand on, or place any items on the unit. You may fall down or the item may fall, causing injury.

**Caution:**

- The outdoor unit should be installed in a location where air and noise emitted by the unit will not disturb the neighbours.

2) Indoor unit

**Warning:**

- The indoor unit should be securely installed. If the unit is loosely mounted, it may fall, causing injury.

3) Remote controller

**Warning:**

- The remote controller should be installed in such a way that children cannot play with it.

4) Drain hose

**Caution:**

- Make sure that the drain hose is installed so that drainage can go ahead smoothly. Incorrect installation may result in water leakage, causing damage to furniture.

5) Power line, fuse or circuit breaker

**Warning:**

- Make sure that the unit is powered by a dedicated line. Other appliances connected to the same line could cause an overload.
- Make sure that there is a main power switch.
- Be sure to adhere to the unit’s voltage and fuse or circuit breaker ratings. Never use a piece of wire or a fuse with a higher rating than the one specified.

6) Grounding

**Caution:**

- The unit must be properly grounded. Never connect the grounding wire to a gas pipe, water pipe, lightning conductor or telephone grounding wire. If the unit is not grounded properly, electric shock may result.
- Check frequently that the ground wire from the outdoor unit is properly connected to both the unit’s ground terminal and the grounding electrode.
1. Safety Precautions

1.2. During operation

⚠️ Caution:
- Do not use any sharp object to push the buttons, as this may damage the remote controller.
- Do not twist or tug on the remote controller cord as this may damage the remote controller.
- Never remove the upper case of the remote controller, as it is dangerous to remove the upper case of the remote controller and touch the printed circuit boards inside. Doing so can result in fire and failure.
- Never wipe the remote controller with benzene, thinner, chemical rags, etc. Doing so can result in discoloration and failure. To remove heavy stains, soak a cloth in neutral detergent mixed with water, wring it out thoroughly, wipe the stains off, and wipe again with a dry cloth.
- Never block or cover the indoor or outdoor unit’s intakes or outlets. Tall items of furniture underneath the indoor unit, or bulky items such as large boxes placed close to the outdoor unit will reduce the unit’s efficiency.

⚠️ Warning:
- Do not splash water over the unit and do not touch the unit with wet hands. An electric shock may result.
- Do not spray combustible gas close to the unit. Fire may result.
- Do not place a gas heater or any other open-flame appliance near the air conditioner, as incomplete combustion may result.

⚠️ Warning:
- Do not remove the front panel or the fan guard from the outdoor unit when it is running. You could be injured if you touch rotating, hot or high-voltage parts.
- Never insert fingers, sticks etc. into the intakes or outlets, otherwise injury may result, since the fan inside the unit rotates at high speed. Exercise particular care when children are present.
- If you detect odd smells, stop using the unit, turn off the power switch and consult your dealer. Otherwise, a breakdown, electric shock or fire may result.

- If you notice exceptionally abnormal noise or vibration, stop operation, turn off the power switch, and contact your dealer.
- Do not over-cool. The most suitable inside temperature is one that is within 5°C of the outside temperature.
- Do not leave handicapped people or infants sitting or standing in the path of the airflow from the air-conditioner. This could cause health problems.

1.3. Disposing of the unit

⚠️ Warning:
- When you need to dispose of the unit, consult your dealer. If pipes are removed incorrectly, refrigerant (fluorocarbon gas) may blow out and come into contact with your skin, causing injury. Releasing refrigerant into the atmosphere also damages the environment.

2. Parts Names

<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>PEAD-RP-JAA Ceiling Concealed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fan steps</td>
<td>3 steps</td>
</tr>
<tr>
<td>Vane</td>
<td>–</td>
</tr>
<tr>
<td>Louver</td>
<td>–</td>
</tr>
<tr>
<td>Filter</td>
<td>Normal</td>
</tr>
<tr>
<td>Filter cleaning indication</td>
<td>–</td>
</tr>
</tbody>
</table>
2. Parts Names

### Display Section

- **Display Section**
  - For purposes of this explanation, all parts of the display are shown as lit. During actual operation, only the relevant items will be lit.

- **Display Section**
  - **Day-Of-Week**
    - Shows the current day of the week.

- **Time/Timer Display**
  - Shows the current time, unless the simple or Auto Off timer is set. If the simple or Auto Off timer is set, shows the time remaining.

- **“Sensor” indication**
  - Displays when the remote controller sensor is used.

- **“Locked” indication**
  - Indicates that remote controller buttons have been locked.

- **“Clean The Filter” indicator**
  - Comes on when it is time to clean the filter.

- **“Timer is Off” indicator**
  - Indicates that the timer is off.

- **“Timer indicators”**
  - The indicator comes on if the corresponding timer is set.

- **Room Temperature display**
  - Shows the room temperature. The room temperature display range is 8–39 °C. The display flashes if the temperature is less than 8 °C or 39 °C or more.

- **Louver display**
  - Indicates the action of the swing louver.

- **“One Hour Only” indicator**
  - Displayed if the airflow is set to weak and downward during COOL or DRY mode. (Operation varies according to model.) The indicator goes off after one hour, at which time the airflow direction also changes.

- **“事后 View”**
  - Indicates the current operation

- **“Operation Section”**

- **Set Temperature buttons**
  - **Up**
  - **Down**

- **Timer Menu button**
  - (Monitor/Set button)

- **Mode button**
  - (Return button)

- **Set Time buttons**
  - **Back**
  - **Ahead**

- **Timer On/Off button**
  - (Set Day button)

- **ON/OFF button**
  - **Fan Speed button**

- **Filter button**
  - (Enter button)

- **Test Run button**
  - (Enter button)

- **Check button**
  - (Clear button)

- **Airflow Up/Down button**
  - (Operation button)

- **Louver button**
  - (Operation button)

- **Ventilation button**
  - (Operation button)

- **Ventilation indicator**
  - Appears when the unit is running in Ventilation mode.

- **Ventilation button**
  - (Operation button)

- **To next operation number.**

### Note:

- **"PLEASE WAIT" message**
  - This message is displayed for approximately 3 minutes when power is supplied to the indoor unit or when the unit is recovering from a power failure.

- **"NOT AVAILABLE" message**
  - This message is displayed if a button is pressed to operate a function that the indoor unit does not have.

If a single remote controller is used to simultaneously operate multiple indoor units that are different models, this message will not be displayed if any of the indoor units is equipped with the function.
2. Parts Names

**Wireless Remote-Controller (option)**

- **ON/OFF button**
  - Pushing button starts operation. Pushing again stops operation.

- **FAN SPEED button**
  - This button is used to set fan speed to low, medium, or high.

- **MODE SELECT button**
  - This button is used to change between auto, cooling, heating, and drying operation modes.

- **CHECK button**

- **TEST RUN button**

- **SET TEMPERATURE button**
  - SET TEMPERATURE button sets and any desired room temperature.

- **AUTO STOP/AUTO START button**
  - Used for selecting timed starting or stopping.

- **VANE CONTROL button**
  - Used to change the airflow direction.

- **h button**
  - Used for setting the current time.

- **min button**
  - Used for setting the current time.

- **LOUVER button**
  - Used for adjusting the airflow direction.

- **Battery installation/replacement**

  1. Remove the top cover, insert two AAA batteries, and then install the top cover.

  2. Press the Reset button.

- **Press the Reset button with an object that has a narrow end.**

- **Two AAA batteries**
  - Insert the negative (-) end of each battery first. Install the batteries in the correct directions (+, -).
3. Screen Configuration

For details on setting the language for the remote controller display, refer to section 8. Function Selection. The initial language setting is English.

- Function Selection of remote controller:
  - Set the functions and ranges available to the remote controller (timer functions, operating restrictions, etc.)
- Set Day/Time:
  - Set the current day of the week or time.
- Standard Control Screens:
  - View and set the air conditioning system’s operating status
- Timer Monitor:
  - View the currently set timer (weekly timer, simple timer, or Auto Off timer)
- Timer Setup:
  - Set the operation of any of the timers (weekly timer, simple timer, or Auto Off timer).

*How to change the screen*

A: Hold down both the Mode button and the Timer On/Off button for 2 seconds.
B: Press the Timer Menu button.
C: Press the Mode (Return) button.
D: Press either of the Set Time buttons ( or ).

4. Setting the Day of the Week and Time

1. Press the or Set Time button to show display [1].
2. Press the Timer On/Off (Set Day) button to set the day.
   * Each press advances the day shown at [3]: Sun → Mon → ... → Fri → Sat.
3. Press the appropriate Set Time button as necessary to set the time.
   * As you hold the button down, the time (at [4]) will increment first in minute intervals, then in ten-minute intervals, and then in one-hour intervals.
4. After making the appropriate settings at Steps 2 and 3, press the Filter button ( ) to lock in the values.

5. Operation

5.1. Turning ON/OFF

*To Start Operation*
- Press the ON/OFF button (1). • The ON lamp (1) and the display area come on.

Note:
- When the unit is restarted, initial settings are as follows.
5. Operation

**To Stop Operation**
- Press the ON/OFF button again.
  - The ON lamp and the display area go dark.

Note:
- Even if you press the ON/OFF button immediately after shutting down the operation is progress, the air conditioner will not start for about three minutes. This is to prevent the internal components from being damaged.

5.2. Mode select
- Press the operation mode button and select the operation mode:
  - Cooling mode
  - Drying mode
  - Fan mode
  - Heating mode
  - Automatic (cooling/heating) mode
  - Ventilation mode

Only indicated on the following condition:
- Wired remote controller used
- LOSSNAY connected

Automatic operation
- According to a set temperature, cooling operation starts if the room temperature is too hot and heating operation starts if the room temperature is too cold.
- During automatic operation, if the room temperature changes and remains 2 °C or more above the set temperature for 15 minutes, the air conditioner switches to cooling mode. In the same way, if the room temperature remains 2 °C or more below the set temperature for 15 minutes, the air conditioner switches to heating mode.

5.3. Temperature setting
- To decrease the room temperature:
  - Press button to set the desired temperature.
  - Each time you press the button, the temperature value decreases by 1 °C.
- To increase the room temperature:
  - Press button to set the desired temperature.
  - Each time you press the button, the temperature value decreases by 1 °C.
  - Available temperature ranges are as follows:
    - Cooling/Drying: 19 - 30 °C
    - Heating: 17 - 28 °C
    - Automatic: 19 - 28 °C
  - The display flashes either 8 °C - 39 °C to inform you if the room temperature is lower or higher than the displayed temperature.

5.4. Fan speed setting
- Press button to select a desired fan speed.
  - Each time you press the button, available options change with the display on the remote controller, as shown below.
5. Operation
The display and the fan speed of the unit will differ in the following situations:
- When STAND BY and DEFROST are displayed.
- Just after the heating mode (while waiting to change to another mode).
- When the temperature of the room is higher than or the temperature setting of the unit operating in the heating mode.
- In the dry operation, the indoor fan automatically turns to low-speed operation. Switching of fan speed is impossible.
- When the temperature of the heat exchanger is low in the heating mode (e.g., immediately after heating operation starts).

Note:
- In the following cases, the actual fan speed generated by the unit will differ from the speed shown on the remote controller display.

6. Timer
6.1. For Wired Remote-controller (option)
You can use Function Selection of remote controller to select which of three types of timer to use: ① Weekly timer, ② Simple timer, or ③ Auto Off timer.

6.1.1. Weekly Timer
The weekly timer can be used to set up to eight operations for each day of the week. Each operation may consist of any of the following: ON/OFF time together with a temperature setting, or ON/OFF time only, or temperature setting only. The current time reaches a time set at this timer, the air conditioner carries out the action set by the timer.

Time setting resolution for this timer is 1 minute.

Note:
- ① Weekly Timer/Simple Timer/Auto Off Timer cannot be used at the same time.
- ② The weekly timer will not operate when any of the following conditions is in effect.
  - The timer feature is off; the system is in a malfunction state; a test run is in progress; the remote controller is undergoing self-check or remote controller check; the user is in the process of setting a function; the user is in the process of setting the timer; the user is in the process of setting the current day of the week or time; the system is under central control. (Specifically, the system will not carry out operations (unit on, unit off, or temperature setting) that are prohibited during these conditions.)

<table>
<thead>
<tr>
<th>Operation No.</th>
<th>Day Setting</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A</td>
<td>On</td>
</tr>
<tr>
<td>2</td>
<td>B</td>
<td>Off</td>
</tr>
<tr>
<td>3</td>
<td>C</td>
<td>Monitor</td>
</tr>
<tr>
<td>4</td>
<td>D</td>
<td>Stand-by</td>
</tr>
<tr>
<td>5</td>
<td>E</td>
<td>Heat</td>
</tr>
<tr>
<td>6</td>
<td>F</td>
<td>Defrost</td>
</tr>
<tr>
<td>7</td>
<td>G</td>
<td>Spool</td>
</tr>
<tr>
<td>8</td>
<td>H</td>
<td>Cleaning</td>
</tr>
</tbody>
</table>

<How to Set the Weekly Timer>
1. Be sure that you are at a standard control screen, and that the weekly timer indicator ① is shown in the display.

2. Press the Timer Menu button ②, so that the "Set Up" appears on the screen (at ②). (Note that each press of the button toggles the display between "Set Up" and "Monitor".)
3. Press the Timer On/Off (Set Day) button ③ to set the day. Each press advances the display at ② to the next setting, in the following sequence: "Sun Mon Tues Wed Thurs Fri Sat" → "Sun" → "Mon" → "Tues" → "Wed" → "Thurs" → "Fri" → "Sat" → "Sun Mon Tues Wed Thurs Fri Sat".
4. Press the ◀ or ▶ Operation button ④ or ⑤ as necessary to select the appropriate operation number (1 to 8) ⑥.
   - Your inputs at Steps 3 and 4 will select one of the cells from the matrix illustrated below.
   - (The remote-controller display at left shows how the display would appear when setting Operation 1 for Sunday to the values indicated below.)

5. Press the appropriate Set Time button ⑦ as necessary to set the desired time (at ⑦).
   - As you hold the button down, the time first increments in minute intervals, then in ten-minute intervals, and then in one-hour intervals.
5.5. Ventillation
5.5.1. For Wired Remote-controller
To run the ventilator together with the indoor unit:
- Press the ON/OFF button ⑧.
  - The Vent indication appears on the screen (at ⑧). The ventilator will now automatically operate whenever the indoor unit is running.

5.5.2. For Wireless Remote-controller
The ventilator will automatically operate when the indoor unit turns on.
No indication on the wireless remote controller.

Setup Matrix

<table>
<thead>
<tr>
<th>Op No.</th>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>On</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td>No. 2</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td>No. 3</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td>No. 4</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
</tr>
</tbody>
</table>

Note:
By setting the day to "Sun Mon Tues Wed Thurs Fri Sat", you can set the same operation to be carried out at the same time every day.
(Example: Operation 2 above, which is the same for all days of the week.)

<Setting the Weekly Timer>

- Shows the time setting
- Shows the selected operation (ON or OFF)
  - Does not appear if operation is not set.
- Shows the temperature setting
  - Does not appear if temperature is not set.

6. Press the ON/OFF button ⑨ to select the desired operation (ON or OFF), at ⑨.
   - Each press changes the next setting, in the following sequence: No display (no settings) → "ON" → "OFF".
6. Timer

7. Press the appropriate Set Temperature button (1) to set the desired temperature (at [1]).
   * Each press changes the setting, in the following sequence: No display → 24 → 25 → 28 → 30 → 12 → 0 → 12 → 23
   * No display.
   *(Available range: The range for the setting is 12 °C to 30 °C. The actual range over which the temperature can be controlled, however, will vary according to the type of the connected unit.)*

8. After making the appropriate settings at Steps 5, 6 and 7, press the Timer On/Off button (2) to lock in the values.
   * To clear the currently set values for the selected operation, press and quickly release the Check (Clear) button (2).
   * The displayed time setting will change to "00:00", and the OnOff and temperature settings will all disappear.
   * (To clear all weekly timer settings at once, hold down the Check (Clear) button (2) for two seconds or more. The display will begin flashing, indicating that all settings have been cleared.)

   **Note:**
   Your new entries will be cancelled if you press the Mode (Return) button (2) before pressing the Filter (Clear) button (2).
   If you have set two or more different operations for exactly the same time, only the operation with the highest Operation No. will be carried out.

9. Repeat Steps 3 to 8 as necessary to fill as many of the available cells as you wish.

10. Press the mode (Return) button (2) to return to the standard control screen and complete the setting procedure.

11. To activate the timer, press the Timer On/Off button (2), so that the “Timer Off” indication disappears from the screen. Be sure that the “Timer Off” indication is no longer displayed.

   * (If there are no timer settings, the “Timer Off” indication will flash on the screen.

**<How to View the Weekly Timer Settings>**

1. Be sure that the weekly timer indicator is visible on the screen (at [1]).
2. Press the Timer Menu button (2) so that “Monitor” is indicated on the screen (at [2]).
3. Press the Timer On/Off (Set Day) button (2) as necessary to select the day you wish to view.
4. Press the ON/OFF button (2) as necessary to change the timer operation shown on the display (at [3]).
   * Each press will advance to the next timer operation, in order of time setting.
5. To close the monitor and return to the standard control screen, press the Mode (Return) button (2).

**<How to Set the Simple Timer>**

1. Be sure that you are at a standard control screen, and that the simple timer indicator is visible in the display (at [1]).
   * When something other than the Simple Timer is displayed, set it to SIMPLE TIMER using the function selection of remote controller (see 4.8.1.2.3 (3)) timer function setting.
2. Press the Timer Menu button (2), so that the “Simple Timer” appears on the screen (at [2]).
   * (Note that each press of the button toggles the display between “Set Up” and “Monitor”.)
3. Press the ON/OFF button (2) to display the current ON or OFF simple timer setting.
   * The button once to display the time remaining to ON, and then again to display the time remaining to OFF. (The ON/OFF indication appears at [3].)
   * “ON” timer:
     * The air conditioner will stop operation when the specified number of hours has elapsed.
     * “OFF” timer:
     * The air conditioner will start operation when the specified number of hours has elapsed.
4. With “ON” or “OFF” showing at [3], press the appropriate Set Timing button (2) as necessary to set the hours to ON (if “ON” is displayed) or the hours to OFF (if “OFF” is displayed) at [4].
   * Available Range: 1 to 72 hours
5. To set both the ON and OFF times, repeat Steps 3 and 4.

   * Note that ON and OFF times cannot be set to the same value.
6. To clear the current ON or OFF setting: Display the ON or OFF setting (see step 3) and then press the Check (Clear) button (2) so that the time setting clears to "00:00" at [1]. (If you want to use only an ON setting or only an OFF setting, be sure that the setting you do not wish to use is shown as "—".)
6. Timer

7. After completing steps 3 to 6 above, press the Filter button ④ to lock in the value.
   
   Your new settings will be cancelled if you press the Mode (Return) button ② before pressing the Filter button ④.
   
8. Press the Mode (Return) button ② to return to the standard control screen.
9. Press the Timer On/Off button ⑦ to start the timer countdown. When the timer is running, the timer value is visible on the display. Be sure that the timer value is visible and appropriate.

<Viewing the Current Simple Timer Settings>

8. Press the Mode (Return) button ② so that the “Monitor” appears on the screen (at ①).
   • If ON or OFF simple timer is running, the current timer value will appear at ①.
   • If ON and OFF values have both been set, the two values appear alternately.
3. Press the Mode (Return) button ② to close the monitor display and return to the standard control screen.

>To Turn Off the Simple Timer...

Press the Timer On/Off button ⑦ so that the timer setting no longer appears on the screen (at ①).

>To Turn On the Simple Timer...

Press the Timer On/Off button ⑦ so that the timer setting becomes visible at ①.

Examples

If ON and OFF times have both been set at the simple timer, operation and display are as indicated below.

Example 1:
Start the timer, with OFF time set sooner than ON time
ON Setting: 3 hours
OFF Setting: 7 hours

At Timer Start
Display shows the timer’s ON setting (hours remaining to ON).

At 3 hours after timer start
Display changes to show the timer’s OFF setting (hours remaining to OFF). The time displayed is OFF setting (7 hours) – ON setting (3 hours) = 4 hours.

At 7 hours after timer start
The air conditioner goes off, and will remain off until someone restarts it.

Example 2:
Start the timer, with OFF time is sooner than ON time
ON Setting: 5 hours
OFF Setting: 2 hours

At Timer Start
Display shows the timer’s OFF setting (hours remaining to OFF).

At 2 hours after timer start
Display changes to show the timer’s ON setting (hours remaining to ON). The time displayed is ON setting (5 hours) – OFF setting (2 hours) = 3 hours.

At 5 hours after timer start
The air conditioner comes on, and will continue to run until someone turns it off.

6.1.3. Auto Off Timer

This timer begins countdown when the air conditioner starts, and shuts the air conditioner off when the set time has elapsed.

Available settings run from 30 minutes to 4 hours, in 30-minute intervals.

Note:

1. Weekly Timer/Simple Timer/Auto Off Timer cannot be used at the same time.
2. The Auto Off timer will not operate when any of the following conditions is in effect.
   - The timer is off; the system is in malfunction state; a test run is in progress; the remote controller is in self-check or remote controller check, the user is in the process of selecting a function; the user is in the process of setting the timer; the system is under central control. (Under these conditions, On/Off operation is prohibited.)

Example:

Start the timer, with OFF time is sooner than ON time
ON Setting: 7 hours
OFF Setting: 5 hours

At Timer Start
Display shows the timer’s OFF setting (hours remaining to OFF).

At 2 hours after timer start
Display changes to show the timer’s ON setting (hours remaining to ON). The time displayed is OFF setting (5 hours) – ON setting (7 hours) = 2 hours.

At 7 hours after timer start
The air conditioner goes off, and will remain off until someone restarts it.

Note:

Your entry will be cancelled if you press the Mode (Return) button ② before pressing the Filter button ④.

4. Press the Mode (Return) button ② to complete the setting procedure and return to the standard control screen.
5. If the air conditioner is already running, the timer starts countdown immediately. Be sure to check that the timer setting appears correctly on the display.
6. Timer

<Checking the Current Auto Off Timer Setting>

1. Be sure that the “Auto Off” is visible on the screen (at [ ]).
2. Hold down the Timer Menu button ( ) for 3 seconds, so that “Monitor” is indicated on the screen (at [ ]).
3. To close the monitor and return to the standard control screen, press the Mode (Return) button ( ).

<To Turn Off the Auto Off Timer>

Hold down the Timer On/Off button ( ) for 3 seconds, so that “Timer Off” appears (at [ ]), and the timer value (at [ ]) disappears.

Alternatively, turn off the air conditioner itself. The timer value (at [ ]) will disappear.

<Checking the Current Auto Off Timer>

While holding down the Filter button ( ), press and hold down the ON/OFF button ( ) for 3 seconds. The “Locked” indication appears on the screen (at [ ]), indicating that the lock is now engaged.

* If locking has been disabled in Function Selection of remote controller, the screen will display the “Not Available” message when you press the buttons as described above.

If you press a locked button, the “Locked” indication (at [ ]) will blink on the display.

<To Turn On the Auto Off Timer>

Hold down the Timer On/Off button ( ) for 3 seconds. The “Timer On” indication disappears (at [ ]), and the timer setting comes on the display (at [ ]).

Alternatively, turn on the air conditioner. The timer value will appear at the screen (at [ ]).

7. Other Functions

7.1. Locking the Remote Controller Buttons (Operation function limit controller)

If you wish, you can lock the remote controller buttons. You can use the Function Selection of remote controller to select which type of lock to use. (For information about selecting the lock type, see section 8, item [4]–2 (1)). Specifically, you can use either of the following two lock types.

[1] Lock all buttons
[2] Lock all except ON/OFF

Locks all of the buttons on the remote controller.
Locks all buttons other than the ON/OFF button.

Note: The “Locked” indicator appears on the screen to indicate that buttons are currently locked.

<How to Lock the Buttons>

1. While holding down the Filter button ( ), press and hold down the ON/OFF button ( ) for 2 seconds. The “Locked” indication appears on the screen (at [ ]), indicating that the lock is now engaged.

2. If locking has been disabled in Function Selection of remote controller, the screen will display the “Not Available” message when you press the buttons as described above.

3. If you press a locked button, the “Locked” indication (at [ ]) will blink on the display.

<How to Unlock the Buttons>

1. While holding down the Filter button ( ), press and hold down the ON/OFF button ( ) for 2 seconds—so that the “Locked” indication disappears from the screen (at [ ]).
7. Other Functions

7.2. Error Codes indication

If you have entered contact number to be called in the event of a problem, the screen displays this number. (You can set this up under Function Selection of remote controller. For information, refer to section 8.)

Indoor Unit
Refrigerant Address
Error Code Indoor Unit No.
Alternating Display

ON lamp (Flashing)

Error Code

When the Check button is pressed:

• If the ON lamp and error code are both flashing: This means that the air conditioner is out of order and operation has been stopped (and cannot resume). Take note of the indicated unit number and error code, then switch off the power to the air conditioner and call your dealer or servicer.

• If only the error code is flashing (while the ON lamp remains lit): Operation is continuing, but there may be a problem with the system. In this case, you should note down the error code and then call your dealer or servicer for advice.

* If you have entered contact number to be called in the event of a problem, push the Check button to display it on the screen. (You can set this up under Function Selection of remote controller. For information, refer to section 8.)

8. Function Selection

Function selection of remote controller
The setting of the following remote controller functions can be changed using the remote controller function selection mode. Change the setting when needed.

<table>
<thead>
<tr>
<th>Item 1</th>
<th>Item 2</th>
<th>Item 3 (Setting content)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Change Language ('CHANGE LANGUAGE')</td>
<td>Language setting to display</td>
<td>Display in multiple languages is possible</td>
</tr>
<tr>
<td>2. Function limit ('FUNCTION SELECTION')</td>
<td>(1) Operation function limit setting (operation lock) ('LOCKING FUNCTION')</td>
<td>Setting the range of operation limit (operation lock)</td>
</tr>
<tr>
<td></td>
<td>(2) Use of automatic mode setting ('SELECT AUTO MODE')</td>
<td>Setting the use or non-use of automatic operation mode</td>
</tr>
<tr>
<td></td>
<td>(3) Temperature range limit setting ('LIMIT TEMP FUNCTION')</td>
<td>Setting the temperature adjustable range (maximum, minimum)</td>
</tr>
</tbody>
</table>
| 3. Mode selection ('MODE SELECTION') | (1) Remote controller main/sub setting ('CONTROLLER MAIN/SUB') | Selecting main or sub remote controller
* When two remote controllers are connected to one group, one controller must be set to sub. |
| | (2) Use of clock setting ('CLOCK') | Setting the use or non-use of clock function |
| | (3) Timer function setting ('WEEKLY TIMER') | Setting the timer type |
| | (4) Contact number setting for error situation ('CALL') | Contact number display in case of error
* Setting the telephone number |
| 4. Display change ('DISP MODE SETTING') | (1) Temperature display °C/°F setting ('TEMP MODE °C/°F') | Setting the temperature unit (°C or °F) to display |
| | (2) Suction air temperature display setting ('ROOM TEMP DISP SELECT') | Setting the use or non-use of the display of indoor (suction) air temperature |
| | (3) Automatic cooling/heating display setting ('AUTO MODE DISP C/H') | Setting the use or non-use of the display of "Cooling" or "Heating" display during operation with automatic mode |
8. Function Selection

Setting language (English)

- Hold down the button and press the button for 2 seconds.
- Press the operation mode button.
- Press the TIMER ON/OFF button.

Remote controller function selection mode

- Press the operation mode button.
- Press the TIMER MENU button.
- Press the TIMER ON/OFF button.

Operation mode setting

- The automatic mode is displayed when the operation mode is selected. (Initial setting value)
- The automatic mode is not displayed when the operation mode is selected.

Display mode setting

- The temperature unit °C is used. (Initial setting value)
- The temperature unit °F is used.

Display mode setting

- Room air temperature is displayed. (Initial setting value)
- Room air temperature is not displayed.

- One of "Automatic cooling" and "Automatic heating" is displayed under the automatic mode is running. (Initial setting value)
- Only "Automatic" is displayed under the automatic mode.

Language selection

- Change Language

- Remote controller function selection mode

- Display mode setting

- Operation mode setting
8. Function Selection

[Detailed setting]

[4]-1. CHANGE LANGUAGE setting
The language that appears on the dot display can be selected.


Refer to the dot display table.

[4]-2. Function limit
(1) Operation function limit setting (operation lock)
- To switch the setting, press the [ON/OFF] button (1).
  ① no1: Operation lock setting is made on all buttons other than the [ON/OFF] button.
  ② no2: Operation lock setting is made on all buttons.
  ③ OFF (initial setting value): Operation lock setting is not made.
- To make the operation lock setting valid on the normal screen, it is necessary to press buttons (Press and hold down the [FILTER] and [ON/OFF] buttons at the same time for two seconds.) on the normal screen after the above setting is made.

(2) Use of automatic mode setting
When the remote controller is connected to the unit that has automatic operation mode, the following settings can be made.
- To switch the setting, press the [ON/OFF] button (2).
  ① ON (initial setting value):
  The automatic mode is displayed when the operation mode is selected.
  ② OFF:
  The automatic mode is not displayed when the operation mode is selected.

(3) Temperature range limit setting
After this setting is made, the temperature can be changed within the set range.
- To switch the setting, press the [ON/OFF] button (3).
  ① LIMIT TEMP COOL MODE:
  The temperature range can be changed on cooling/ dry mode.
  ② LIMIT TEMP HEAT MODE:
  The temperature range can be changed on heating mode.
  ③ LIMIT TEMP AUTO MODE:
  The temperature range can be changed on automatic mode.
  ④ OFF (initial setting):
  The temperature range limit is not active.
- When the setting, other than OFF, is made, the temperature range limit setting on cooling, heating and automatic mode is made at the same time. However, the range cannot be limited when the set temperature range has not changed.
- To increase or decrease the temperature, press the [TEMP] or [△] button (4).
- To switch the upper limit setting and the lower limit setting, press the [△] button (5). The selected setting will flash and the temperature can be set.
- Settable range
  Cooling/Dry mode:
  Lower limit: 19°C ~ 30°C

  Heating mode:
  Lower limit: 17°C ~ 28°C

  Automatic mode:
  Lower limit: 19°C ~ 28°C


[4]-3. Mode selection setting
(1) Remote controller main/sub setting
- To switch the setting, press the [ON/OFF] button (6).
  ① Main:
  The controller will be the main controller.
  ② Sub:
  The controller will be the sub controller.

(2) Use of clock setting
- To switch the setting, press the [ON/OFF] button (7).
  ① ON:
  The clock function can be used.
  ② OFF:
  The clock function cannot be used.

(3) Timer function setting
- To switch the setting, press the [ON/OFF] button (8).
The timer mode cannot be used.
- SIMPLE TIMER:
  The simple timer can be used.
- TIMER MODE OFF:
  The timer mode cannot be used.
- When the use of clock setting is OFF, the “WEEKLY TIMER” cannot be used.

(4) Contact number setting for error situation
- To switch the setting, press the [ON/OFF] button (9).
  ① CALL OFF:
  The set contact numbers are not displayed in case of error.
  ② CALL *** *** ***:
  The set contact numbers are displayed in case of error.

- Setting the contact numbers
  To set the contact numbers, follow the following procedures.
  Move the flashing cursor to set numbers. Press the [TEMP], [△] and [△] button (10) to move the cursor to the right (↓). Press the [TEMP], [△] and [△] button (11) to set the numbers.

[4]-4. Display change setting
(1) Temperature display °C/°F setting
- To switch the setting, press the [ON/OFF] button (12).
  ① °C:
  The temperature unit °C is used.
  ② °F:
  The temperature unit °F is used.

(2) Suction air temperature display setting
- To switch the setting, press the [ON/OFF] button (13).
  ① ON:
  The suction air temperature is displayed.
  ② OFF:
  The suction air temperature is not displayed.

(3) Automatic cooling/heating display setting
- To switch the setting, press the [ON/OFF] button (14).
  ① ON:
  One of “Automatic cooling” and “Automatic heating” is displayed under the automatic mode is running.
  ② OFF:
  Only “Automatic” is displayed under the automatic mode.
## 8. Function Selection

### [Dot display table]

<table>
<thead>
<tr>
<th>Selecting language</th>
<th>English</th>
<th>Germany</th>
<th>Spanish</th>
<th>Russian</th>
<th>Italy</th>
<th>Chinese</th>
<th>French</th>
<th>Japanese</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function selection</td>
<td></td>
<td></td>
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<tr>
<td>Operation function limit setting</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use of automatic mode setting</td>
<td>LOCKED</td>
<td>LOCKED</td>
<td>LOCKED</td>
<td>LOCKED</td>
<td>LOCKED</td>
<td>LOCKED</td>
<td>LOCKED</td>
<td>LOCKED</td>
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<tr>
<td>Temperature range limit setting</td>
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<td></td>
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<tr>
<td>Use of automatic filter elevation panel</td>
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<tr>
<td>Up/down operation mode setting</td>
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<tr>
<td>Use of fixed airflow direction mode setting</td>
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<tr>
<td>Limit temperature cooling/day mode</td>
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<tr>
<td>Limit temperature heating mode</td>
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<td>Limit temperature auto mode</td>
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<td>Mode selection</td>
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<tr>
<td>Remote controller setting MAIN</td>
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<td>Remote controller setting SUB</td>
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<tr>
<td>Use of clock setting</td>
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<tr>
<td>Setting the day of the week and time</td>
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<tr>
<td>Timer set</td>
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<tr>
<td>Timer monitor</td>
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<tr>
<td>Weekly timer</td>
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<tr>
<td>Timer mode off</td>
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<tr>
<td>Auto off timer</td>
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<tr>
<td>Simple timer</td>
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<td></td>
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<tr>
<td>Contact number setting of error situation</td>
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<tr>
<td>Display change</td>
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<tr>
<td>Temperature display °C/F setting</td>
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</tr>
</tbody>
</table>
10. Care and Cleaning

Cleaning the filters
- Clean the filters using a vacuum cleaner. If you do not have a vacuum cleaner, tap the filters against a solid object to knock off dirt and dust.
- If the filters are especially dirty, wash them in lukewarm water. Take care to rinse off any detergent thoroughly and allow the filters to dry completely before putting them back into the unit.
- Make sure that the air filters are always installed. Operating the unit without air filters can cause malfunction.

Caution:
- Do not dry the filters in direct sunlight or by using a heat source, such as an electric heater; this may warp them.
- Do not wash the filters in hot water (above 50°C), as this may warp them.
- Before you start cleaning, stop operation and turn OFF the power supply.
- Indoor units are equipped with filters to remove the dust of sucked-in air. Clean the filters using the methods shown in the following sketches.

Filter removal
- In removing the filter, precautions must be taken to protect your eyes from dust. Also, if you have to climb up on a stool to do the job, be careful not to fall.
- When the filter is removed, do not touch the metallic parts inside the indoor unit, otherwise injury may result.

\( \text{PEAD-RP-JAA} \)
11. Trouble Shooting

<table>
<thead>
<tr>
<th>Having trouble</th>
<th>Here is the solution. (Unit is operating normally.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air conditioner does not heat or cool well.</td>
<td>● Clean the filter. (Airflow is reduced when the filter is dirty or clogged.)</td>
</tr>
<tr>
<td></td>
<td>● Check the temperature adjustment and adjust the set temperature.</td>
</tr>
<tr>
<td></td>
<td>● Make sure that there is plenty of space around the outdoor unit. Is the</td>
</tr>
<tr>
<td></td>
<td>indoor unit air intake or outlet blocked?</td>
</tr>
<tr>
<td></td>
<td>● Has a door or window been left open?</td>
</tr>
<tr>
<td>When heating operation starts, warm air does not blow from the indoor unit</td>
<td>● Warm air does not blow until the indoor unit has sufficiently warmed up.</td>
</tr>
<tr>
<td>soon.</td>
<td>● When the outdoor temperature is low and the humidity is high, frost may</td>
</tr>
<tr>
<td></td>
<td>form on the outdoor unit. If this occurs, the outdoor unit performs a de-</td>
</tr>
<tr>
<td></td>
<td>frost operation. Normal operation should begin after approximately 10 min-</td>
</tr>
<tr>
<td></td>
<td>utes.</td>
</tr>
<tr>
<td>During heating mode, the air conditioner stops before the set room tem-</td>
<td>● When the airflow direction is changed, the vanes move to the set posi-</td>
</tr>
<tr>
<td>perature is reached.</td>
<td>tion after detecting the base position.</td>
</tr>
<tr>
<td></td>
<td>● The indoor unit draws in air that contains gases produced from the walls,</td>
</tr>
<tr>
<td></td>
<td>carpeting, and furniture as well as odors trapped in clothing, and then</td>
</tr>
<tr>
<td></td>
<td>blows this air back into the room.</td>
</tr>
<tr>
<td>A flowing water sound or occasional hissing sound is heard.</td>
<td>● These sounds can be heard when refrigerant is flowing in the air condi-</td>
</tr>
<tr>
<td></td>
<td>tioner or when the refrigerant flow is changing.</td>
</tr>
<tr>
<td>A cracking or creaking sound is heard.</td>
<td>● These sounds can be heard when parts rub against each due to expan-</td>
</tr>
<tr>
<td></td>
<td>sion and contraction from temperature changes.</td>
</tr>
<tr>
<td>The room has an unpleasant odor.</td>
<td>● The indoor unit draws in air that contains gases produced from the walls,</td>
</tr>
<tr>
<td></td>
<td>carpeting, and furniture as well as odors trapped in clothing, and then</td>
</tr>
<tr>
<td></td>
<td>blows this air back into the room.</td>
</tr>
<tr>
<td>A white mist or vapor is emitted from the indoor unit.</td>
<td>● If the indoor temperature and the humidity are high, this condition may</td>
</tr>
<tr>
<td></td>
<td>occur when operation starts.</td>
</tr>
<tr>
<td></td>
<td>● During defrost mode, cool airflow may blow down and appear like a mist.</td>
</tr>
<tr>
<td>Water or vapor is emitted from the outdoor unit.</td>
<td>● During cooling mode, water may form and drip from the cool pipes and</td>
</tr>
<tr>
<td></td>
<td>joints.</td>
</tr>
<tr>
<td></td>
<td>● During heating mode, water may form and drip from the heat exchanger.</td>
</tr>
<tr>
<td></td>
<td>● During defrost mode, water on the heat exchanger evaporates and water</td>
</tr>
<tr>
<td></td>
<td>vapor may be emitted.</td>
</tr>
<tr>
<td>The operation indicator does not appear in the remote controller display.</td>
<td>● Turn on the power switch. “P” will appear in the remote controller display.</td>
</tr>
<tr>
<td></td>
<td>● During central control, “F” appears in the remote controller display and</td>
</tr>
<tr>
<td></td>
<td>air conditioner operation cannot be started or stopped using the remote</td>
</tr>
<tr>
<td></td>
<td>controller.</td>
</tr>
<tr>
<td>When restarting the air conditioner soon after stopping it, it does not oper-</td>
<td>● Wait approximately three minutes. (Operation has stopped to protect the a</td>
</tr>
<tr>
<td>ate even though the ON/OFF button is pressed.</td>
<td>ir conditioner.)</td>
</tr>
<tr>
<td>Air conditioner operates without the ON/OFF button being pressed.</td>
<td>● Is the on timer set? Press the ON/OFF button to stop operation.</td>
</tr>
<tr>
<td></td>
<td>● Is the air conditioner connected to a central remote controller? Consult</td>
</tr>
<tr>
<td></td>
<td>the concerned people who control the air conditioner.</td>
</tr>
<tr>
<td></td>
<td>● Does “G” appear in the remote controller display? Consult the concerned</td>
</tr>
<tr>
<td></td>
<td>people who control the air conditioner.</td>
</tr>
<tr>
<td></td>
<td>● Has the auto recovery feature from power failures been set? Press the</td>
</tr>
<tr>
<td></td>
<td>ON/OFF button to stop operation.</td>
</tr>
<tr>
<td>Air conditioner stops without the ON/OFF button being pressed.</td>
<td>● Is the off timer set? Press the ON/OFF button to restart operation.</td>
</tr>
<tr>
<td></td>
<td>● Is the air conditioner connected to a central remote controller? Consult</td>
</tr>
<tr>
<td></td>
<td>the concerned people who control the air conditioner.</td>
</tr>
<tr>
<td></td>
<td>● Does “H” appear in the remote controller display? Consult the concerned</td>
</tr>
<tr>
<td></td>
<td>people who control the air conditioner.</td>
</tr>
<tr>
<td>Remote controller timer operation cannot be set.</td>
<td>● Are timer settings invalid? If the timer can be set, “WEEKLY”, “DAYS”,</td>
</tr>
<tr>
<td></td>
<td>or “AUTO OFF” appears in the remote controller display.</td>
</tr>
<tr>
<td>PLEASE WAIT* appears in the remote controller display.</td>
<td>● The initial settings are being performed. Wait approximately 3 minutes.</td>
</tr>
<tr>
<td>An error code appears in the remote controller display.</td>
<td>● The protection devices have operated to protect the air conditioner.</td>
</tr>
<tr>
<td></td>
<td>● Do not attempt to repair this equipment by yourself. Turn off the power</td>
</tr>
<tr>
<td></td>
<td>switch immediately and consult your dealer. Be sure to provide the dealer</td>
</tr>
<tr>
<td></td>
<td>with the model name and information that appeared in the remote controller</td>
</tr>
<tr>
<td></td>
<td>display.</td>
</tr>
<tr>
<td>Draining water or motor rotation sound is heard.</td>
<td>● When cooling operation stops, the drain pump operates and then stops.</td>
</tr>
<tr>
<td></td>
<td>● Not to blow out cold air at the beginning of heating operation, the air</td>
</tr>
<tr>
<td></td>
<td>conditioner automatically adjusts the fan speed gradually from lower to</td>
</tr>
<tr>
<td></td>
<td>the set speed. It also adjust its fan speed to protect the fan motor when</td>
</tr>
<tr>
<td></td>
<td>return air temperature or fan speed excessively rises.</td>
</tr>
</tbody>
</table>
11. Trouble Shooting

Having trouble? Here is the solution. (Unit is operating normally.)

Noise is louder than specifications.
- The indoor operation sound level is affected by the acoustics of the particular room as shown in the following table and will be higher than the noise specification, which was measured in an echo-free room.

<table>
<thead>
<tr>
<th>Location examples</th>
<th>High sound-absorbing rooms</th>
<th>Normal rooms</th>
<th>Low sound-absorbing rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broadcasting studio, music room, etc.</td>
<td>3 to 7 dB</td>
<td>6 to 10 dB</td>
<td>9 to 13 dB</td>
</tr>
</tbody>
</table>

Nothing appears in the wireless remote controller display, the display is faint, or signals are not received by the indoor unit unless the remote controller is close.
- The batteries are low.
  Replace the batteries and press the Reset button.
- If nothing appears even after the batteries are replaced, make sure that the batteries are installed in the correct directions (+, −).

The operation lamp near the receiver for the wireless remote controller on the indoor unit is flashing.
- The self diagnosis function has operated to protect the air conditioner.
  Do not attempt to repair this equipment by yourself.
  Turn off the power switch immediately and consult your dealer. Be sure to provide the dealer with the model name.
Please be sure to put the contact address/telephone number on this manual before handing it to the customer.