SPLIT TYPE ROOM AIR CONDITIONER
OPERATION MANUAL

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AS09TB1HRA
AS12TB1HRA
AS18TD1HRA
AS24TE1HRA
AS26TB1HRA
AS35TB1HRA
AS53TD1HRA
AS71TE1HRA

Please read this operation manual before using the air conditioner.
Keep this operation manual for future reference.

0010590421
### Outdoor Unit

- OUTLET
- INLET
- CONNECTING PIPING AND ELECTRICAL WIRING
- DRAIN HOSE

### Loading of the battery

1. Remove the battery cover;
2. Load the batteries as illustrated. 2 R-03 batteries, resetting key (cylinder);
3. Be sure that the loading is in line with the "+" and "-";
4. Load the battery, then put on the cover again.

**Note:**
- The distance between the signal transmission head and the receiver hole should be within 7m without any obstacle as well.
- When electronic-started type fluorescent lamp or change-over wireless telephone is installed in the room, the receiver is apt to be disturbed in receiving the signals, so the distance to the indoor unit should be shorter.
- Full display or unclear display during operation indicates the batteries have been used up. Please change batteries.
- If the remote controller can't run normally during operation, please remove the batteries and reload several minutes later.

### Remote controller

- 1. Mode display
- 2. Signal sending display
- 3. SWING display
- 4. FAN SPEED display
- 5. LOCK display
- 6. TIMER OFF display
- 7. TIMER ON display
- 8. Additional functions display
- 9. QUIET button
- 10. HEAT button
- 11. COOL button
- 12. AUTO button
- 13. FAN SPEED button
- 14. TIMER button
- 15. HEALTH button
- 16. LOCK button
- 17. LIGHT button
- 18. POWER ON/OFF button
- 19. DRY button
- 20. TEMP button
- 21. SWING button
- 22. HOUR button
- 23. EXTRA FUNCTION button
- 24. CANCEL/CONFIRM button
- 25. RESET button

**NOTE:**
- Cooling only unit do not have displays and functions related with heating. If the unit which you purchased has healthy function, follow it. If not, please ignore.
# Operation

## Unit start / stop

1. **Unit start**
   
   Press ON/OFF on the remote controller, unit starts.

2. **Select temp. setting**
   
   **Press TEMP+ / TEMP− button**

   - **TEMP+**: Every time the button is pressed, temp. setting increase 1°C, if kept depressed, it will increase rapidly.
   - **TEMP−**: Every time the button is pressed, temp. setting decrease 1°C, if kept depressed, it will decrease rapidly.

   Select a desired temperature.

3. **Fan speed selection**
   
   Press FAN button. For each press, fan speed changes as follows:

   - Remote controller:
     
     ![Remote controller]

     - LOW
     - MED
     - HI
     - AUTO

   Air conditioner is running under displayed fan speed. When FAN is set to AUTO, the air conditioner automatically adjusts the fan speed according to room temperature.

## Air Flow Direction Adjustment

1. **Vertical flap**
   
   - Remote controller:
     
     - COOL/DRY/AUTO (initial state): [COOL/DRY/AUTO]
     - HEAT (initial state): [HEAT]

   | Pos.1 | [ ] |
   | Pos.2 | [ ] |
   | Pos.3 | [ ] |
   | Pos.4 | [ ] (Autoswing) |
   | Pos.5 | [ ] (no) |

2. **Press button. changes as follows: Pos.4**
   
   - Press button again, vertical flap will stop over present position, the swing function will be cancelled.

3. **Press button to choose the Pos.2 and Pos.3.**

### Cautions:

- When adjusting the flap by hand, turn off the unit.
- When humidity is high, condensate water might occur at air outlet if all vertical louvers are adjusted to left or right.
- It is advisable not to keep horizontal flap at downward position for a long time in COOL or DRY mode, otherwise, condensate water might occur.

Note:

When restart after remote turning off, the remote controller will automatically return to the previous set swing position.

## Operation Mode Display Board Remote Controller Note

<table>
<thead>
<tr>
<th>Operation Mode</th>
<th>Display Board</th>
<th>Remote Controller</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO</td>
<td></td>
<td></td>
<td>Under the mode of auto operation, air conditioner will automatically select Cool or Heat operation according to room temperature. When FAN is set to AUTO, the air conditioner automatically adjusts the fan speed according to room temperature.</td>
</tr>
<tr>
<td>COOL</td>
<td></td>
<td></td>
<td>Cooling only unit do not have displays and functions related with heating.</td>
</tr>
<tr>
<td>DRY</td>
<td></td>
<td></td>
<td>In DRY mode, when room temperature becomes lower than temp. setting + 1°C unit will run intermittently at LOW speed regardless of FAN setting.</td>
</tr>
<tr>
<td>HEAT</td>
<td></td>
<td></td>
<td>In HEAT mode, warm air will blow out after a short period of the time due to cold-draft prevention function.</td>
</tr>
<tr>
<td>FAN</td>
<td>nothing</td>
<td></td>
<td>In FAN operation mode, the unit will not operate in COOL or HEAT mode but only in FAN mode. AUTO is not available in FAN mode and temp. setting is disabled. When FAN is set to AUTO, the air conditioner automatically adjusts the fan speed according to room temperature. In FAN mode, SLEEP operation is not available.</td>
</tr>
</tbody>
</table>
**Operation**

**Timer On/Off On-Off Operation**

1. After unit starts, select your desired operation mode.
2. Press TIMER button to change TIMER mode. Every time the button is pressed, display changes as follows:
   - Remote controller:
     - ON → OFF → ON → OFF → OFF → ON → BLANK

Then select your desired TIMER mode (TIMER ON or TIMER OFF or TIMER ON-OFF). "ON" or "OFF" will flash.

3. Press ▼ / ▲ button to set time.
   - Press the button for each time, setting time in the first 12 hours increased by 0.5 hour every time, after 12 hours, increased by 1 hour every time.
   - Press the button for each time, setting time in the first 12 hours decreased by 0.5 hour every time, after 12 hours, decreased by 1 hour every time.
   - It can be adjusted within 24 hours.

4. Confirm timer setting
   - After adjust the time, press TIMER button and confirm the time ON or OFF button will not flash any more.

5. Cancel timer setting
   - Press the timer button by times until the time display eliminated.

Hints:
- After replacing batteries or a power failure happens, time setting should be reset.
- According to the Time setting sequence of TIMER ON or TIMER OFF, either Start-Stop or Stop-Start can be achieved.

**POWER/SOFT Operation**

(1) **POWER Operation**

When you need rapid heating or cooling, you can use this function. Press MODE button to enter additional options, when cycle display to , will flash, and then press ENTER button, enter to power function. When cancel the function, please enter additional options again and to cancel power function.

(2) **QUIET Operation**

You can use this function when silence is needed for rest or reading. Press QUIET button, the remote controller will show , and then achieve to the quiet function. Press again this QUIET button, the quiet function will be cancelled.

Note:
- During POWER operation, in rapid COOL mode, the room will show inhomogeneous temperature distribution.
- Long period QUIET operation will cause effect of not too cool or not too warm.

**Emergency operation and test operation**

**Emergency Operation:**
- Use this operation only when the remote controller is defective or lost.
- When the emergency operation switch is pressed, the "Pi" sound is heard once, which means the start of this operation.
- In this operation, the system automatically selects the operation modes, cooling or fan or heat, according to the room temperature.

<table>
<thead>
<tr>
<th>Room temperature</th>
<th>Operation mode</th>
<th>Designated temperature</th>
<th>Timer mode</th>
<th>Air flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABOVE 23°C</td>
<td>COOLING</td>
<td>26°C</td>
<td>NO</td>
<td>AUTOMATIC</td>
</tr>
<tr>
<td>BELOW 23°C</td>
<td>HEAT</td>
<td>23°C</td>
<td>NO</td>
<td>AUTOMATIC</td>
</tr>
</tbody>
</table>

(Cooling only unit)

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<thead>
<tr>
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<tbody>
<tr>
<td>BELOW 23°C</td>
<td>FAN</td>
<td>26°C</td>
<td>NO</td>
<td>AUTOMATIC</td>
</tr>
</tbody>
</table>

- It is not possible to operate in dry mode.

**Test operation:**

Test operation switch is the same as emergency switch.
- Use this switch in the test operation when the room temperature is below 16°C, do not use it in the normal operation.
- Continue to press the test operation switch for more than 5 seconds. After you hear the "Pi" sound twice, release your finger from the switch: the cooling operation starts with the air flow speed "Hi".
- After 30 minutes, test operation ends automatically (Only for 22K, 24K unit).
Comfortable SLEEP

Press button to enter additional options, when cycle display to , will flash. And then press enter to sleep function.

Operation Mode

1. In COOL, DRY mode

1 hours after SLEEP mode starts, temp. will become 1°C higher than temp. setting. After another 1 hours, temp. rises by 1°C further. The unit will run for further 6 hours then stops. Temp. is higher than temp. setting so that room temperature won’t be too low for your sleep.

2. In HEAT mode

1 hours after SLEEP mode starts, temp. will become 2°C lower than temp. setting. After another 1 hours, temp. decreases by 2°C further. After more another 3 hours, temp. rises by 1°C further. The unit will run for further 3 hours then stops. Temp. is lower than temp. setting so that room temperature won’t be too high for your sleep.

3. In AUTO mode

The unit operates in corresponding sleep mode corresponding sleep mode adapted to the automatically selected operation mode.

4. In FAN mode

It has no SLEEP function.

5. When quiet sleeping function is set to 8 hours the quiet sleeping time can not be adjusted. When TIMER function is set, the quiet sleeping function can’t be set up. After the sleeping function is set up, if user resets TIMER function, the sleeping function will be cancelled; the machine will be in the state of timing-on, if the two modes are set up at the same time, either of their operation time is ended first, the unit will stop automatically, and the other mode will be cancelled.

Note

When TIMER function is set, the sleeping function can’t be set up. After the sleeping function is set up, if user resets TIMER function, the sleeping function will be cancelled; the machine will be in the state of timing-on.

Note to the power failure resume:

Press the sleep button ten times in five seconds and enter function after hearing four sounds. And press the sleep button ten times within five seconds and leave this function after hearing two sounds.

Power Failure Resume Function

If the unit is started for the first time, the compressor will not start running unless 3 minutes have elapsed. When the power resumes after power failure, the unit will run automatically, and 3 minutes later the compressor starts running.

Healthy airflow Operation

1. Press to starting

Setting the comfort work conditions.

2. The setting of healthy airflow function

Press button to enter additional options, Press this button continuously, the louvers location will cycle between in the following three locations, to choose the swing location what you needed, and then press button to confirm.

3. The cancel of the healthy airflow function

Press button to enter additional options, Press this button continuously, the louvers location will cycle between in the following three locations again, and then press button to cancel.

Notice: Do not direct the flap by hand. Otherwise, the grille will run incorrectly. If the grille is not run correctly, stop for a minute and then start, adjusting by remote controller.

Note:

1. After setting the healthy airflow function, the position grill is fixed.

2. In cooling, it is better to select the mode.

3. In cooling and dry, using the air conditioner for a long time under the high air humidity, condensate water may occur at the grille.
Maintenance

For Smart Use of The Air Conditioner

**Setting of proper room temperature**

Proper temperature

**Do not block the air inlet or outlet**

Use the timer effectively

**Close doors and windows during operation**

During cooling operation, prevent the penetration of direct sunlight with curtain or blind

**If the unit is not to be used for a long time, turn off the power supply main switch.**

**Use the louvers effectively**

Proper temperature

**Remote Controller**

Do not use water, wipe the controller with a dry cloth. Do not use glass cleaner or chemical cloth.

**Indoor Body**

Wipe the air conditioner by using a soft and dry cloth. For serious stains, use a neutral detergent diluted with water. Wring the water out of the cloth before wiping. Then wipe off the detergent completely.

**Do not use the following for cleaning**

Gasoline, benzine, thinner or cleanser may damage the coating of the unit.

**Air Filter cleaning**

1. Open the inlet grille by pulling it upward.
2. Remove the filter.
   - Push up the filter's center tab slightly until it is released from the stopper, and remove the filter downward.
3. Clean the filter.
   - Use a vacuum cleaner to remove dust, or wash the filter with water. After washing, dry the filter completely in the shade.
4. Attach the filter.
   - Attach the filter correctly so that the "FRONT" indication is facing to the front. Make sure that the filter is completely fixed behind the stopper. If the right and left filters are not attached correctly, that may cause defects.
5. Close the inlet grille.

**Replacement of Air Purifying Filter**

1. Open the Inlet Grille
   Prop up the inlet grille by using a small device named grille-support which located in the right side of the indoor unit.

2. Detach the standard air filter
   Slide the knob slightly upward to release the filter, then withdraw it.

3. Attach Air Purifying Filter
   Put air purifying filter appliances into the right and left filter frames.

4. Attach the standard air filter
   (Necessary installation)

ATTENTION:
   The white side of the photocatalyst air purifying filter face outside, and the black side face the unit. The green side of the bacteria-killing medium air purifying filter face outside, and the white side face the unit.

5. Close the Inlet Grille
   Close the Grille surely

NOTE:
   - The photocatalyst air purifying filter will be solarized in fixed time. In normal family, it will be solarized every 6 months.
   - The bacteria-killing medium air purifying filter will be used for a long time, no need for replacement. But in the period of using them, you should remove the dust frequently by using vacuum cleaner or flapping them lightly, otherwise, its performance will be affected.
   - Please keep the bacteria-killing medium air purifying filter in the cool and dry conditions avoid long time directly sunshine when you stop using it, or its ability of sterilization will be reduced.
# Cautions

## WARNING

Please call Sales/Service Shop for the Installation. Do not attempt to install the air conditioner by yourself because improper works may cause electric shock, fire, water leakage.

### WARNING

<table>
<thead>
<tr>
<th>Caution</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WARNING</strong></td>
<td><strong>WARNING</strong></td>
</tr>
<tr>
<td>When abnormality such as burnt-small found, immediately stop the operation button and contact sales shop.</td>
<td><img src="image" alt="OFF" /> STRICT ENFORCEMENT</td>
</tr>
<tr>
<td>Use an exclusive power source with a circuit breaker</td>
<td><img src="image" alt="Circuit Breaker" /> STRICT ENFORCEMENT</td>
</tr>
<tr>
<td>Check proper installation of the drainage securely</td>
<td><img src="image" alt="Drainage" /> STRICT ENFORCEMENT</td>
</tr>
<tr>
<td>Connect power supply cord to the outlet completely</td>
<td><img src="image" alt="Power Supply Cord" /> STRICT ENFORCEMENT</td>
</tr>
<tr>
<td>Use the proper voltage</td>
<td><img src="image" alt="Voltage" /> STRICT ENFORCEMENT</td>
</tr>
<tr>
<td>1. Do not use power supply cord extended or connected in halfway</td>
<td><img src="image" alt="Extension Cord" /> PROHIBITION</td>
</tr>
<tr>
<td>2. Do not install in the place where there is any possibility of inflammable gas leakage around the unit.</td>
<td><img src="image" alt="Inflammable Gas" /> PROHIBITION</td>
</tr>
<tr>
<td>3. Do not get the unit exposed to vapor or oil steam.</td>
<td><img src="image" alt="Vapor or Oil Steam" /> PROHIBITION</td>
</tr>
<tr>
<td>Do not use power supply cord in a bundle.</td>
<td><img src="image" alt="Extension Cord" /> PROHIBITION</td>
</tr>
<tr>
<td>Take care not to damage the power supply cord.</td>
<td><img src="image" alt="Damage" /> PROHIBITION</td>
</tr>
<tr>
<td>1. Do not insert objects into the air inlet or outlet.</td>
<td><img src="image" alt="Insertion" /> PROHIBITION</td>
</tr>
<tr>
<td>Do not start or stop the operation by disconnecting the power supply cord and so on.</td>
<td><img src="image" alt="Disconnection" /> PROHIBITION</td>
</tr>
<tr>
<td>Do not channel the air flow directly at people, especially at infants or the aged.</td>
<td><img src="image" alt="Air Flow" /> PROHIBITION</td>
</tr>
<tr>
<td>Do not try to repair or reconstruct by yourself.</td>
<td><img src="image" alt="Repair" /> PROHIBITION</td>
</tr>
<tr>
<td>Connect the earth cable.</td>
<td><img src="image" alt="Earth Cable" /> PROHIBITION</td>
</tr>
</tbody>
</table>

## CAUTION

<table>
<thead>
<tr>
<th>Caution</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do not use for the purpose of storage of food, art work, precise equipment, breeding, or cultivation.</td>
<td><img src="image" alt="Fresh Air" /> PROHIBITION</td>
</tr>
<tr>
<td>Take fresh air occasionally especially when gas appliance is running at the same time.</td>
<td><img src="image" alt="Operating" /> PROHIBITION</td>
</tr>
<tr>
<td>Do not operate the switch with wet hand.</td>
<td><img src="image" alt="Wet Hand" /> PROHIBITION</td>
</tr>
<tr>
<td>Do not install the unit near a fireplace or other heating apparatus.</td>
<td><img src="image" alt="Fireplace" /> PROHIBITION</td>
</tr>
<tr>
<td>Check good condition of the installation stand</td>
<td><img src="image" alt="Installation Stand" /> PROHIBITION</td>
</tr>
<tr>
<td>Do not pour water onto the unit for cleaning</td>
<td><img src="image" alt="Water" /> PROHIBITION</td>
</tr>
<tr>
<td>Do not place animals or plants in the direct path of the air flow</td>
<td><img src="image" alt="Animals or Plants" /> PROHIBITION</td>
</tr>
<tr>
<td>Do not place any objects on or climb on the unit.</td>
<td><img src="image" alt="Objects" /> PROHIBITION</td>
</tr>
<tr>
<td>Do not place flower vase or water containers on the top of the unit.</td>
<td><img src="image" alt="Flower Vase" /> PROHIBITION</td>
</tr>
</tbody>
</table>
3. If the fuse of indoor unit on PC board is broken, please change it with the type of T. 3.15A/250V outdoor fuse.

4. The wiring method should be in line with the local wiring standard.

5. After installation, the power plug should be easily reached.

6. The waste battery should be disposed properly.

7. The appliance is not intended for use by young children or infirm persons without supervision.

8. Young children should be supervised to ensure that they do not play with the appliance.

9. Please employ the proper power plug, which fit into the power supply cord.

10. The power plug and connecting cable must have acquired the local attestation.

11. In order to protect the units, please turn off the A/C first, and at least 30 seconds later, cutting off the power.

**Specifications**

- The refrigerating circuit is leak-proof.

**The machine is adaptive in following situation**

1. Applicable ambient temperature range:

   | Heating | Indoor | Maximum:D.B     | 27°C      | Minimum:D.B     | 15°C      |
   |         | Outdoor| Maximum:D.B/W.B | 46°C/26°C | Minimum:D.B     | -10°C     |
   |         | Outdoor| Maximum:D.B/W.B | 24°C/18°C | Minimum:D.B     | -10°C     |

2. If the power supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person.

3. If the fuse of indoor unit on PC board is broken, please change it with the type of T. 3.15A/250V. If the fuse of outdoor unit is broken, change it with the type of T.25A/250V.

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