SPLIT TYPE ROOM AIR CONDITIONER

OPERATION MANUAL

HSU-09HV04/R2(DB)

HSU-12HV04/R2(DB)

HSU-18HV04/R2(DB)

HSU-22HV04/R2(DB)

● Please read this operation manual before using the air conditioner

No.0010556804

Cautions

Disposal of the old air conditioner

Before disposing an old air conditioner that goes out of use, please make sure it's inoperative and safe. Unplug the air conditioner in order to avoid the risk of child entrapment.

It must be noticed that air conditioner system contains refrigerants, which require specialized waste disposal. The valuable materials contained in an air conditioner can be recycled .Contact your local waste disposal center for proper disposal of an old air conditioner and contact your local authority or your dealer if you have any question. Please ensure that the pipework of your air conditioner does not get damagedprior to being picked up by the relevant waste disposal center, and contribute to environmental awareness by insisting on an appropriate, anti-pollution method of disposal.

Disposal of the packaging of your new air conditioner

All the packaging materials employed in the package of your new air conditioner may be disposed without any danger to the environment.

The cardboard box may be broken or cut into smaller pieces and given to a waste paper disposal service. The wrapping bag made of polyethylene and the polyethylene foam pads contain no fluorochloric hydrocarbon.

All these valuable materials may be taken to a waste collecting center and used again after adequate recycling.

Consult your local authorities for the name and address of the waste materials collecting centers and waste paper disposal services nearest to your house.

Safety Instructions and Warnings

Before starting the air conditioner, read the information given in the Operation manual carefully. The Operation manual contains very important observations relating to the assembly, operation and maintenance of the air conditioner.

The manufacturer does not accept responsibility for any damages that may arise due to non-observation of the following instruction.

• Damaged air conditioners are not to be put into operation. In case of doubt, consult your supplier.

• Use of the air conditioner is to be carried out in strict compliance with the relative instructions set forth in the Operation manual.

• Installation shall be done by professional people, don't install unit by yourself.

• For the purpose of the safety,the air conditioner must be properly grounded in accordance with specifications.

• Always remember to unplug the air conditioner before openning inlet grill. Never unplug your air conditioner by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.

• All electrical repairs must be carried out by qualified electricians. Inadequate repairs may result in a major source of danger for the user of the air conditioner.

• Do not damage any parts of the air conditioner that carry refrigerant by piercing or performating the air conditioner's tubes with sharp or pointed items, crushing or twisting any tubes, or scraping the coatings off the surfaces. If the refrigerant spurts out and gets into eyes, it may result in serious eye injuries.

Cautions

• Do not obstruct or cover the ventilation grille of the air conditoner.Do not put fingers or any other things into the inlet/outlet and swing louver.

• Do not allow children to play with the air conditioner.In no case should children be allowed to sit on the outdoor unit.

Specifications

• The refrigerating circuit is leak-proof.

The machine is adaptive in following situation

1.Applicable ambient temperature range:

Cooling	Indoor	Maximum:D.B/W.B	32°C/23°C
		Minimum:D.B/W.B	18°C/14°C
	Outdoor	Maximum:D.B/W.B	43°C/26°C
		Minimum:D.B	18°C
Heating	Indoor	Maximum:D.B	27°C
		Minimum:D.B	15°C
	Outdoor	Maximum:D.B/W.B	24°C/18°C
		Minimum:D.B/W.B	-15°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

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 applience.

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.

12. For model HSU-22HV04/R2(DB), the breaker of the air conditioner should be an air gap contact. Such means for disconnection must be incorporation in the fixed wiring according to the wiring rules.

Cautions

Safety Instruction

- Please read the following Safety Instructions carefully prior to use.
- The instructions are classified into two levels, WARNING and CAUTION according to the seriousness of possible risks and damages as follows. Compliance to the instructions are strictly required for safety use.

Installation

⚠ 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.

Installation in a inadequate place may cause accidents. Do not install in the following place.

⚠ CAUTION

| Connect the earth cable.	Do not install in the place where there is any possibility of inflammable gas leakage around the unit.	Do not get the unit exposed to vapor or oil steam.	Check proper installation of the drainage securely
earthing	⊘ PROHIBITION	⊘ PROHIBITION	❗ STRICT ENFORCEMENT

Cautions

⚠ WARNING

When abnormality such as burnt-small found, immediately stop the operation button and contact sales shop.
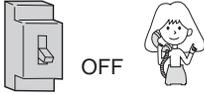
OFF

❗ STRICT ENFORCEMENT

Use an exclusive power source with a circuit breaker
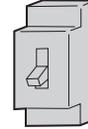
Connect power supply cord to the outlet completely

❗ STRICT ENFORCEMENT

Use the proper voltage

❗ STRICT ENFORCEMENT

Do not use power supply cord extended or connected in halfway

🚫 PROHIBITION

Do not use power supply cord in a bundle.

🚫 PROHIBITION

Take care not to damage the power supply cord.
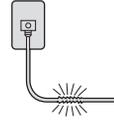
🚫 PROHIBITION

Do not insert objects into the air inlet or outlet.
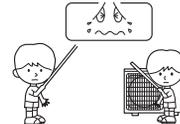
🚫 PROHIBITION

Do not start or stop the operation by disconnecting the power supply cord and so on.

🚫 PROHIBITION

Do not channel the air flow directly at people, especially at infants or the aged.

🚫 PROHIBITION

Do not try to repair or reconstruct by yourself.
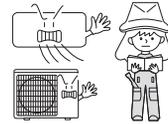
⚠ CAUTION

Do not use for the purpose of storage of food, art work, precise equipment, breeding, or cultivation.

🚫 PROHIBITION

Take fresh air occasionally especially when gas appliance is running at the same time.

❗ STRICT ENFORCEMENT

Do not operate the switch with wet hand.
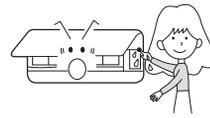
🚫 PROHIBITION

Do not install the unit near a fireplace or other heating apparatus.

🚫 PROHIBITION

Check good condition of the installation stand
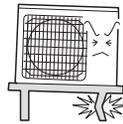
🚫 PROHIBITION

Do not pour water onto the unit for cleaning
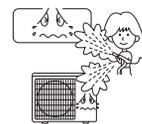
🚫 PROHIBITION

Do not place animals or plants in the direct path of the air flow

🚫 PROHIBITION

Do not place any objects on or climb on the unit.

🚫 PROHIBITION

Do not place flower vase or water containers on the top of the unit.

🚫 PROHIBITION

Parts and Functions

Indoor unit

Display board

Inlet

Air Purifying Filter (inside)

Inlet grille

Vertical flap
(adjust up and down air flow.
Don't adjust it manually)

Horizontal louver
(adjust left and right air flow)

Outlet

Air filter(inside)

Negative ion generator
(inside)

Power plug
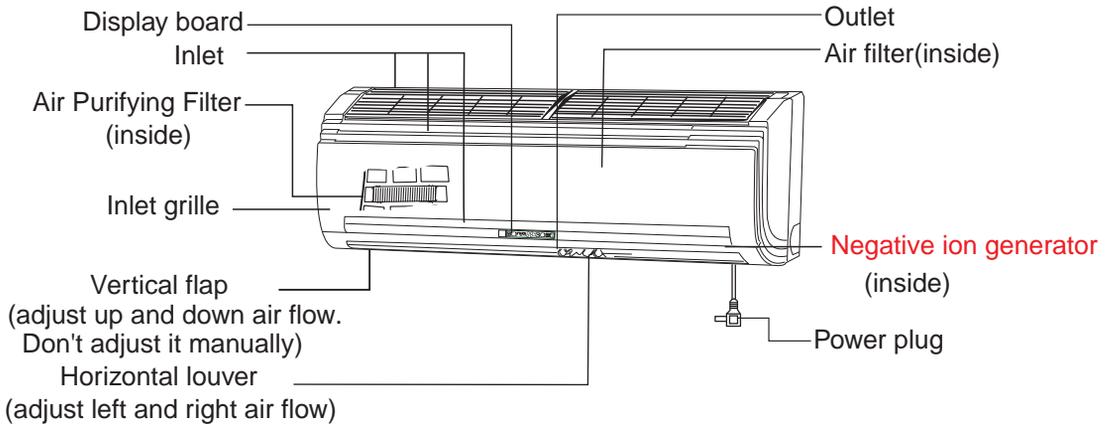
Outdoor unit
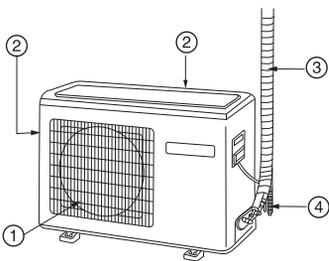
HSU-09HV04/R2(DB)
HSU-12HV04/R2(DB)
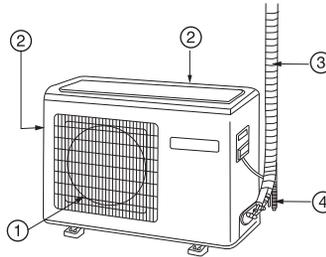
HSU-18HV04/R2(DB)
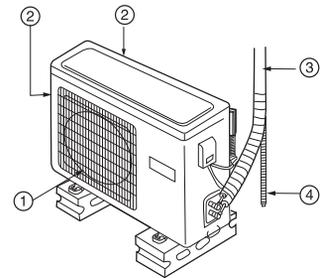
HSU-22HV04/R2(DB)

① OUTLET   ③ CONNECTING PIPING AND ELECTRICAL WIRING

② INLET   ④ DRAIN HOSE

Parts and Functions
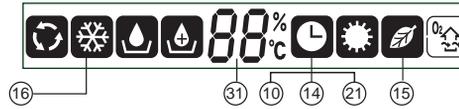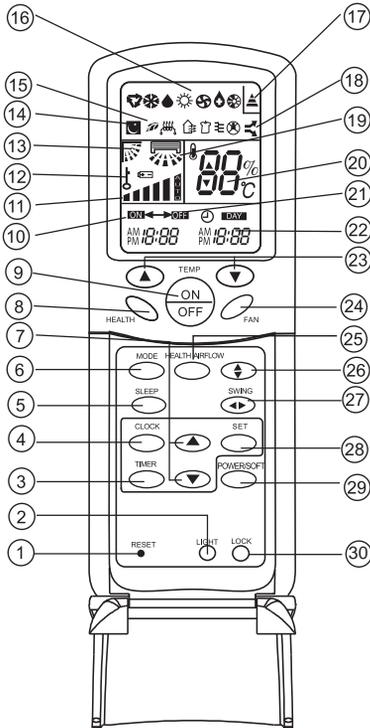
10. TIMER ON display
11. FAN SPEED display

LOW → MED → HI → AUTO

12. LOCK display
13. SWING UP/DOWN display
14. SLEEP display
15. HEALTH display
16. Operation mode display

Operation mode	AUTO	COOL	DRY	HEAT	FAN
Remote controller	▽	❄	●	☀	✿
Display board	●	❄	●	●	

17. Singal sending display
18. POWER/SOFT display
19. Left/right air flow display
20. TEMP display
     Remote controller: to display the TEMP. setting.
21. TIMER OFF display
22. TIMER display
23. TEMP button
     Used to select your desired temperature.
24. FAN button
     Used to select fan speed: LOW,MED, HI, AUTO.
25. HEALTH AIRFLOW button
     Used to set the health airflow mode.
26. SWING UP/DOWN button
     Used to select up or down air sending direction.
27. SWING LEFT/RIGHT button
     Used to select left/right air flow.
28. SET button
     Used to confirm timer and clock settings.
29. POWER/SOFT button
     Every time the button is pressed,display changes
     as follows: → POWER → SOFT → BLANK
30. LOCK
     Used to lock buttons and LCD display. If pressed, the
     other buttons will be disabled and the lock condition
     display appears. Press it once again, lock will be
     canceled and lock condition display disappears.
31. Ambient temp.display
     When receiving the remote control signal, display the set
     temperature and in the rest time the room temperature is
     displayed and this room temperature is only for reference.

1. RESET
     When the remote controller appears abnormal,
     use a sharp pointed article   to press this button
     to reset the remote controller normal.

2. LIGHT button
     Control the lightening and extinguishing of
     the indoor LCD display board.

3. TIMER button
     Used to select TIMER ON, TIMER OFF,
     TIMER ON-OFF.

4. CLOCK button
     Used to set correct time.

5. SLEEP button
     Used to select sleep mode.

6. MODE button

AUTO → COOL → DRY → FAN → HEAT

7. HOUR button
     Used to set clock and timer setting.

8. HEALTH button
     Used to set healthy operation.

9. ON/OFF button
     Used for unit start and stop.

NOTE:Cooling only unit do not have functions and displays related with heating.

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Parts and Functions

■ Clock Set

When unit is started for the first time and after replacing batteries in remote controller, clock should be adjusted as follows:

1. Press CLOCK button,"AM" or "PM" flashes.

2. Press △ or ▽ to set correct time. Each press will increase or decrease 1 min. If the button is kept depressed, time will change quickly.

3. After time setting is confirmed, press SET, "AM" or "PM" stop flashing, while clock starts working.
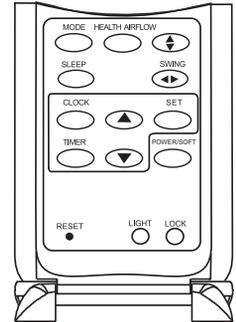
■ Remote controller's operation

● When in use, put the signal transmission head directly to the receiver hole on the indoor unit.

● The distance between the signal transmission head and the receiver hole should be within 7m without any obstacle as well.

● Don't throw or knock the remoter controller.

● When electronic-started type fluorescent lamp or change-over type fluorescent lamp or 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.

■ Loading of the battery

Load the batteries as illustrated right
2 R-03 (7#) batteries

Remove the battery cover:
Slightly press" ☰ "area and push down the cover as illustrated.

Load the battery:
Be sure that the loading is in line with the "+" / "-". request as illustrated on the bottom of the case.

Put on the cover again.
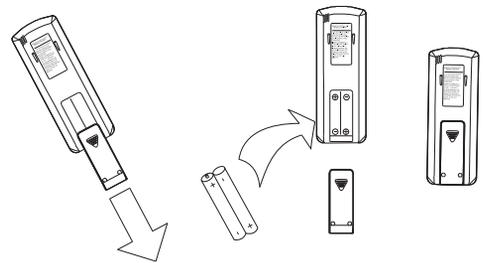
Confirmation indicator:
After pressing power ON/OFF, if no display, reload the batteries.

Note:
● Full display or unclear display during operation indicates the batteries have been used up. Please change batteries.
● Used two new same-typed batteries when loading.
● If the remote controller can't run normally during operation, please remove the batteries and reload several minutes later.

Hint:
Remove the batteries in case unit won't be in usage for a long period. If there are any display after taking-out, just need to press reset key.

Operation

 🔄 24°C 🍃
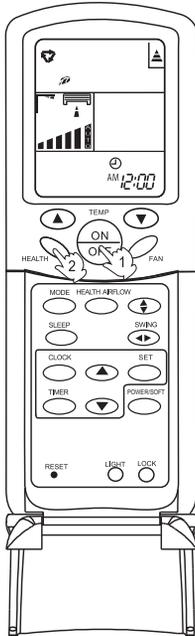
Remote controller

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

2.Health negative ion function
Press HEALTH button. For each press, 🍃 is displayed.
Air conditioner starts health negative ion function operation.
For twice press, 🍃 disappears,the operation stops.

When indoor fan motor is running, it has healthy
process function. (It's available under any mode)
When the fan motor in the indoor unit does not work, the
health lamp lights up, but the negative ion generator does not
release negative ion.

BRIEF INTRODUCTION TO HEALTH ION FUNCTION
The negative ion generator in the air conditioner can generate a
lot of negative ion, effectively balancing the quantity of negative
ion in the air and also kills the bacteria and speeds up the dust
sediment removal in the room and finally cleans the air in the room.

Operation

⟳   24°C

Remote controller

1. Unit start

   Press ON/OFF on the remote controller, unit starts.

2. Select operation mode

   Press MODE button. For each press, operation mode changes as follows:

   Remote controller:

   AUTO   COOL   DRY   FAN   HEAT

   Then | Select Auto operation |

   On the displaying board,colorful displaying bar will be white.

3. Fan speed selection

   Press FAN button. For each press, fan speed changes as follows:

   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.

4. Unit stop

   Press ON/OFF button, the unit stops.

   About Auto Operation
   Under the mode of auto operation, air conditioner will automatically select Cool or Heat operation according to room temperature.

Operation

Cool Operation

 ❄ 24℃
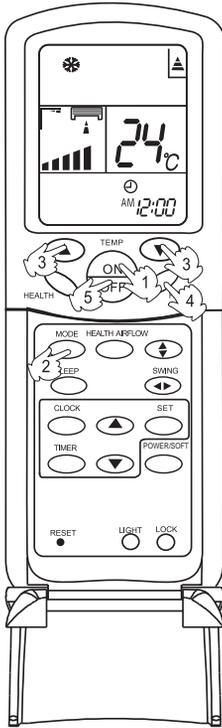
Remote controller

1. Unit start

   Press ON/OFF on the remote controller, unit starts.

2. Select operation mode

   Press MODE button. For each press, operation mode changes as follows:
   Remote controller:

   AUTO → COOL → DRY → FAN → HEAT

   Then | Select COOL operation

   On the displaying board,colorful displaying bar will be blue.

3. Select temp.setting

   Press TEMP. button

   △ Every time the button is pressed, temp.setting increase 1°C,if kept depressed, it will increase rapidly

   ▽ Every time the button is pressed, temp.setting decrease 1°C,if kept depressed, it will decrease rapidly

   Select a desired temperature.

4. Fan speed selection

   Press FAN button. For each press, fan speed changes as follows:
   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.

5. Unit stop

   Press ON/OFF button, the unit stops.

Operation

Dry Operation

Remote controller
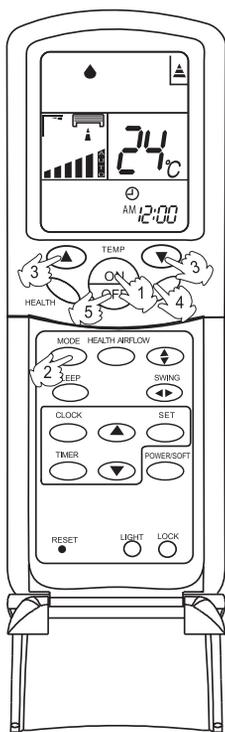
1. Unit start

   Press ON/OFF on the remote controller, unit starts.

2. Select operation mode

   Press MODE button. For each press, operation mode changes as follows:

   Remote controller:

AUTO   COOL   DRY   FAN   HEAT

   Then │ Select DRY operation

   On the displaying board,colorful displaying bar will be light blue

3. Select temp.setting

   Press TEMP. button

   Every time the button is pressed, temp.setting increase $1^{o}C$,if kept depressed, it will increase rapidly

   ∇ Every time the button is pressed, temp.setting decrease $1^{o}C$,if kept depressed, it will decrease rapidly

   Select a desired temperature.

4. Fan speed selection

   Press FAN button. For each press, fan speed changes as follows:

   Remote controller:

LOW   MED   HI   AUTO

   Air conditioner is running under displayed fan speed. In DRY mode, when room temperature becomes $2^{o}C$ higher than temp.setting,unit will run intermittently at LOW speed regardless of FAN setting.

5. Unit stop

   Press ON/OFF button, the unit stops.

Operation

Fan Operation

$$24_{°C}$$

Remote controller

1. Unit start

   Press ON/OFF on the remote controller, unit starts.

2. Select operation mode

   Press MODE button. For each press, operation mode changes as follows:

   Remote controller:

   AUTO → COOL → DRY → FAN → HEAT

   Then | Select FAN operation

   On the displaying board,colorful displaying bar will be pink.

3. Fan speed selection

   Press FAN button. For each press, fan speed changes as follows:

   Remote controller:

   LOW   MED   HI

4. Unit stop

   Press ON/OFF button, the unit stops.

   About FAN operation

   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. In FAN mode,SLEEP and POWER/SOFT operation is not available.

Operation

Heat Operation

$24°C$ ☀

Remote controller

1. Unit start

   Press ON/OFF on the remote controller, unit starts.

2. Select operation mode

   Press MODE button. For each press, operation mode changes as follows:
   Remote controller:

   ▽ → ❄ → ● → 🌀 → ☀
   AUTO   COOL   DRY   FAN   HEAT

   Then | Select HEAT operation

   On the displaying board,colorful displaying bar will be red

3. Select temp.setting

   Press TEMP. button

   △ Every time the button is pressed, temp.setting increase 1°C,if kept depressed, it will increase rapidly

   ▽ Every time the button is pressed, temp.setting decrease 1°C,if kept depressed, it will decrease rapidly

   Select a desired temperature.

4. Fan speed selection

   Press FAN button. For each press, fan speed changes as follows:
   Remote controller:

   LOW   MED   HI   AUTO

   Air conditioner is running under displayed fan speed
   IN HEAT mode, warm air will blow out after a short period of the time due to cold-draft prevention function.
   When FAN is set to AUTO, the air conditioner automatically adjusts the fan speed according to room temperature.

5. Unit stop

   Press ON/OFF button, the unit stops.

Operation

Air Flow Direction Adjustment

1. Status display of air sending
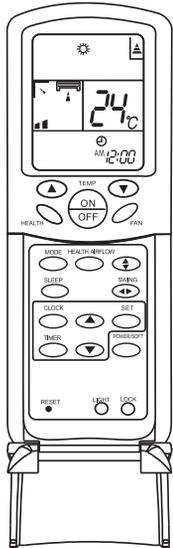
Vertical flap

Pos.1
Pos.2
Pos.3
Pos.4
Pos.5
Pos.6 (Auto swing)

Horizontal louvers

Pos.1
Pos.2
Pos.3
Pos.4
Pos.5
Pos.6
Pos.7
Pos.8

2. Up and down air flow direction

For each press of ⊕ button, air flow direction on remote controller displays as follows according to different operation modes:

COOL/DRY/FAN
remote controller: → Pos.1 → Pos.2 → Pos.3 → Pos.4 → Pos.6 ┐

HEAT:
remote controller: → Pos.5 → Pos.4 → Pos.3 → Pos.2 → Pos.1 → Pos.6 ┐

AUTO:
remote controller: → Pos.1 → Pos.2 → Pos.3 → Pos.4 → Pos.5 → Pos.6 ┐

The vertical flap will swing according to the above positions

3. Left and right air flow direction

For each press of ⊙ button, remote controller displays as follows :

remote controller:

→ Pos.1 → Pos.2 → Pos.3 → Pos.4 → Pos.5 → Pos.6 → Pos.7 → Pos.8 ┐

The horizontal louvers will swing according to the above positions.

Note: When restart after remote turning off, the remote controller will automatically memorize the previous set swing position.

Operation

Sleep Operation

Before going to bed, you can simply press the SLEEP button and unit will operate in SLEEP mode and bring you a sound sleep.
Use of SLEEP function
After the unit starts, set the operation status, then press SLEEP button before which the clock must be adjusted and time being set.
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.

Remote Controller

In COOL, DRY mode
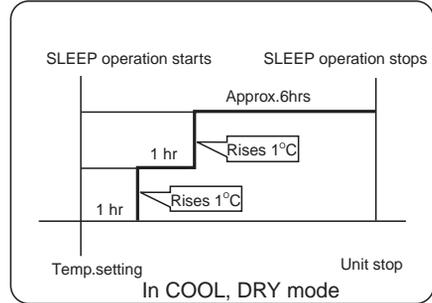
2. In HEAT mode
 1 hours after SLEEP mode starts, temp will become 2 ^{o}C lower than temp. setting. After another 1 hours, temp decrease by 2 ^{o}C further. After more another 3 hours, temp. rises by 1°C further. The unit will run for further 3 hours then stops. Temp. is lower than temp. setting so that room temperature won't be too high for your sleep.

In HEAT mode
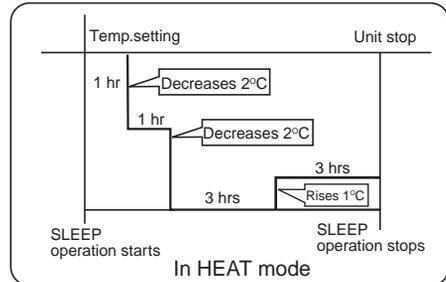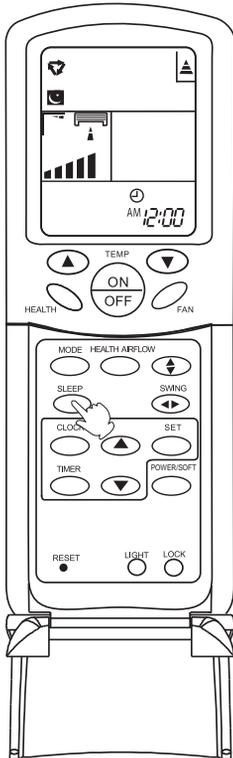
3. In AUTO mode
 The unit operates in corresponding sleep mode adapted to the automatically selected operation mode.
4. In FAN mode
 It has no SLEEP function.
5. Set the wind speed change when sleeping
 If the wind speed is high or middle before setting for the sleep, set for lowing the wind speed after sleeping.
 If it is low wind, no change.
6. Note to the power failure resume:
 press the sleep button ten times in five seconds and enter this function after hearing four sounds. And press the sleep button ten times within five seconds and leave this function after hearing two sounds.

NOTE: With the power failure resume, when setting the TIMER ON, TIMER OFF and TIMER ON/OFF, itís memorized as shutdown status when resuming after power out.

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Operation

❄️ 24_{c} 🕐

Remote Controller

Set clock correctly before starting TIMER operation.

1. After unit starts, select your desired operation mode
   Operation mode will be displayed on LCD.

2. Timer mode selection
   Press TIMER button to change TIMER mode. Every
   time the button is pressed, display changes as follows:
   Remote controller:

   ```
   ┌→ ON ──→ OFF ─→ ON → OFF ─→BLANK─┐
   │   AM 12:00   AM 12:00   AM 12:00              │
   │   TIMER ON  TIMER OFF   TIMER ON-OFF          │
   ```

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

3. Time setting

   Press HOUR △/▽ button.

   △ Every time the button is pressed, time setting
   increases 1 min, if kept depressed, it will increase
   rapidly.

   ▽ Every time the button is pressed, time setting
   decreases 1 min, if kept depressed, it will decrease
   rapidly.
   It can be adjusted within 24 hours.

4. Confirming your setting
   After setting correct time, press SET button to confirm
   " ON "or" OFF "on the remote controller stops flashing.
   Time displayed: Unit starts or stops at x hour x min.
   (TIMER ON or TIMER OFF).

5. Cancel TIMER mode
   Just press TIMER button several times until TIMER
   mode disappears.

Hints:
After replacing batteries or a power failure happens, time setting should be reset.
Remote controller possesses memory function, when use TIMER mode next time,
just press SET button after mode selecting if time setting is the same as previous one.

Operation

Timer On-Off Operation

❄️ $24_{°C}$ 🕐

Remote Controller
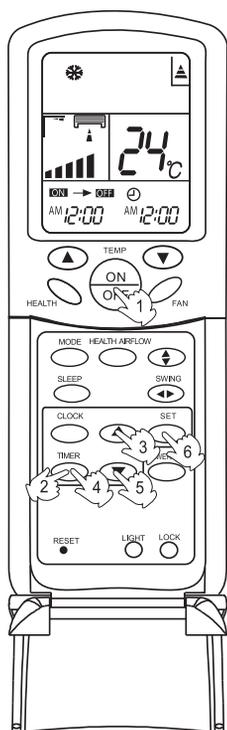
Set clock correctly before starting TIMER operation.

1. After unit starts, select your desired operation mode
   Operation mode will be displayed on LCD.

2. Timer mode selection
   Press TIMER button to change TIMER mode. Every time
   the button is pressed, display changes as follows:
   Remote controller:

   → ON → OFF → ON → OFF → BLANK
   AM 12:00   AM 12:00   AM 12:00
   TIMER ON   TIMER OFF   TIMER ON-OFF

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

3. Time setting
   Press HOUR △ / ▽ button.
   △ Every time the button is pressed, time setting increases
   1 min, if kept depressed, it will increase rapidly.
   ▽ Every time the button is pressed, time setting decreases
   1 min, if kept depressed, it will decrease rapidly.
   It can be adjusted within 24 hours.

4. Timer confirming for TIMER ON
   After setting correct time, press TIMER button to confirm
   " ON " on the remote controller stops flashing.
   " OFF " starts flashing.
   Time displayed: Unit starts or stops at x hour x min.

5. Time setting for TIMER OFF
   Just press HOUR button ,follow the same procedure in
   "Time setting for TIMER ON"

6. Time confirming for TIMER OFF
   After time setting,press SET button to confirm.
   " OFF " on the remote controller stops blinking.
   Time displayed:Unit stops at x hour x min.

   To cancel TIMER mode
   Just press TIMER button several times until TIMER
   de disappears.
   According to the Time setting sequence of TIMER ON
   or TIMER OFF, either Start-Stop or Stop-Start can be
   achieved.

Operation

POWER/SOFT Operation

POWER Operation

When you need rapid heating or cooling, you can use this funciton.

Selecting of POWER operation
Press POWER/SOFT button. Every time the button is pressed,display changes as follows:

POWER   SOFT   → BLANK

Stop the display at " ".

In POWER operation status:
In HEAT or COOL mode, fan speed automatically runs in AUTO mode for 15 min then returns to original status setting.

To cancel POWER operation
Press POWER/SOFT button twice ,POWER/SOFT disappears.
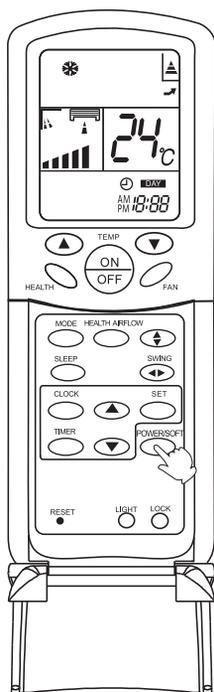
SOFT Operation

You can use this function when silence is needed for rest or reading.

Selecting of SOFT operation
Press POWER/SOFT button. Every time the button is pressed,display changes as follows:

POWER   SOFT   → BLANK

Stop the display at " ".

In SOFT operation mode, fan speed automatically takes"AUTO"

To cancel SOFT operation
Press POWER/SOFT button twice ,POWER/SOFT disappears.

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

Operation

Health airflow Operation
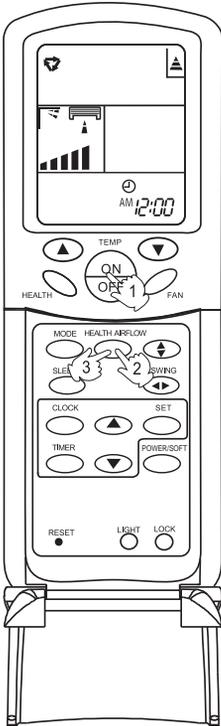
1.Press ON/OFF to starting
The liquid crystal will display the working state of last time (Except timer, sleeping, power/soft and health airflow). Setting the comfort work conditions.

2.The setting of health airflow function
1).Press the button of health airflow, ⇝ appears on the display. The bottom inlet and outlet grills of the air conditioner are closed and the airflow is blown horizontally from the above inlet and outlet grills. Avoid the strong airflow blows direct to the body.
2).Press the button of health airflow again, ↖ appears on the display. The above inlet and outlet grills of the air conditioner are closed and the airflow is blown vertically from the bottom inlet and outlet grills. Avoid the strong airflow blows direct to the body.

3.The cancel of the health airflow function
Press the button of health airflow again, both the inlet and outlet grills of the air conditioner are opened, and the unit goes on working under the condition before the setting of health airflow function.
After stopping, the outlet grille will close automatically.
Notice: Cannot pull direct the outlet grille 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 health airflow function, the position of inlet and outlet grills is fixed.
2.In heating, it is better to select the ↖ mode.
3.In cooling, it is better to select the ⇝ mode.
4.In cooling and dry, using the air conditioner for a long time under the high air humidity, a phenomenon falling drips of water occurs at the outlet grille .
5.Select the appropriate fan direction according to the actual conditions.

Operation

Emergency 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 heating, according to the room temperature.
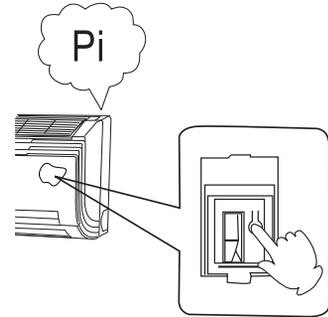
Temperature	Operation mode	Designated temperature	Timer mode	Air flow
ABOVE 23°C	COOLING	26°C	NO	AUTOMATIC
BELOW 23°C	HEATING	23°C	NO	AUTOMATIC

- 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.
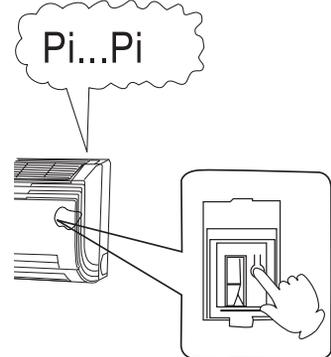
Removal of the restriction of emergency or test operation

- Press the emergency operation switch once more, or manipulate through the remote controller; the "Pi" sound, the emergency or test operation is terminated.
- When the remote controller is manipulated, it gets the system back to the normal operation mode.

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Maintenance

For Smart Use of The Air Conditioner

Setting of proper room temperature
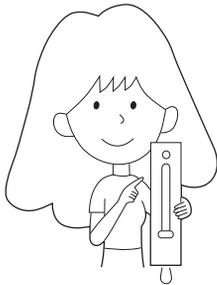
Proper temperature

Do not block the air inlet or outlet
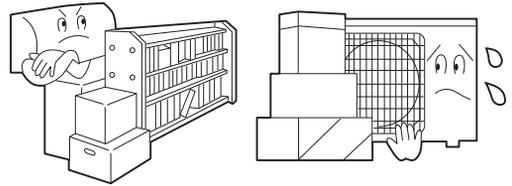
Close doors and windows during operation
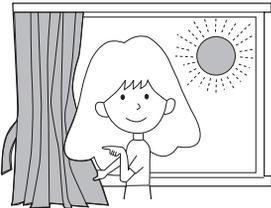
During cooling operation prevent the penetration of direct sunlight with curtain or blind

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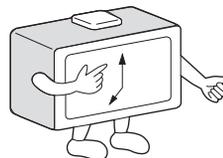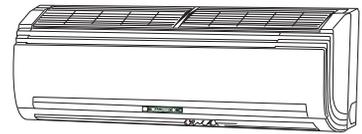
If the unit is not to be used for a long time, turn off the power supply main switch.
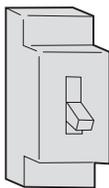
OFF

Use the louvers effectively
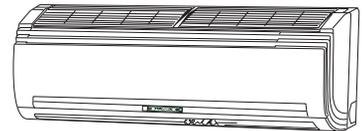
Maintenance

## For Smart Use of The Air Conditioner

⚠ WARNING

Before maintenance,be sure to turn off the system and the circuit breaker.

Remote Controller

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

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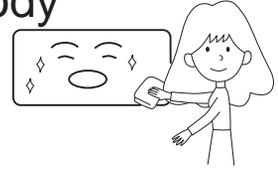
Wipe the air conditioner by using a soft and dry cloth.For serious stains,use a neutral detergent diluted with water.Wring the water out of the cloth before wiping.then wipe off the detergent completely.

Do not use the following for cleaning
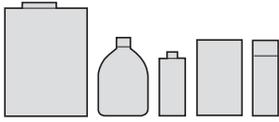
Gasoline,benzine, thinner or cleanser may damage the coating of the unit.

Hot water over 40°C(104°F) may cause discoloring or deformation.

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.

Once every two weeks

5 Close the inlet grille.

Maintenance

Replancement of Air Purifying Filter

1.Open the Inlet Grille
Open the inlet grille by pushing each ends of the inlet grille upward.(use thumbs to push up)

2.Detach the standard air filter
Slide the knob slightly upward to release the filter, then withdraw it.
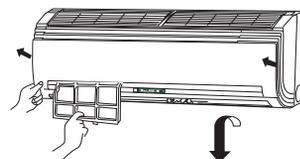
3.Attach old Air Purifying Filter
Put air purifying filter appliances into the right and left filter frames.

Detach old Air Purifying Filter
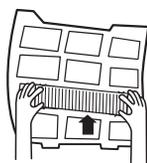
4.Attach the standard air filter
(Necessary installation)

Note: the bacteria-killing mediums placed on the left side. the multi-lights touching intermediary is placed on the right side.

5.Close the Inlet Grille
Close the Grille surely
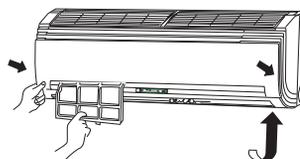
NOTE:

- The photocatalyst air purifying filter and the bacteria-killing medium air purifying filter will be used based on real situation.

- The photocatalyst air purifying filter will be solarized in fixed time. In normal family, it will be solarized every 6 months. The solarization time will last no less than 8 hours under the state of abundant sun.

- The bacteria-killing medium air purifying filter is available for a long time and neednít to be changed. But it must be noticed to use the vacuum cleaner frequently to adsorb the dusts covering the purifying filter lest the covering dusts effect the function of the bacteria-killing medium air purifying filter. (It is strictly prohibited for the bacteria-killing medium air purifying filter to be washed)

Maintenance

To Keep Your Air conditioner in Good Condition after Season.

1 Operate in cooling mode for 2-3 hours.

To prevent breeding mold or bad smell, be sure to operate at the designated temperature or 30°C,cooling mode and High speed fan mode for 2-3 hours.

2 Put off the power supply cord.
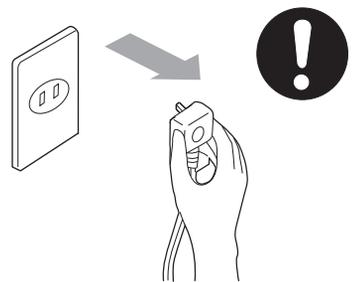
3 Cleaning the body.
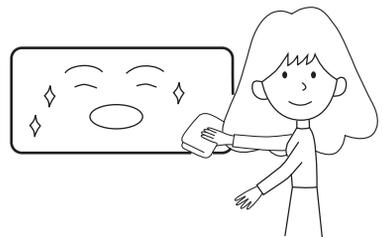
4 Take out the batteries from the wireless remote controller.

Maintenance

Before Setting in High season

1 Cleaning the standard air filter.

Operation without filter may cause troubles.Be sure
to attach both right and left filters prior to the operation.
Each of them are of different shapes.

2 Connecting the earthing cable.

⚠ Caution

- Incomplete earthing may cause an electric shock.
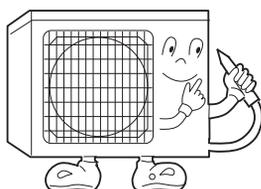
EARTHING

3 Do not block the air inlet or outlet.
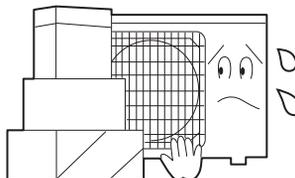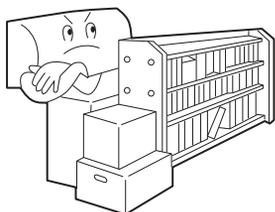
4 Plug-in

⚠ Caution

- After brush away dust at the plug, insert the plug of the power supply cord into the outlet completely.In case of suing exclusive circuit breaker,switch on the circuit breaker.

NO WET HAND

Before asking for service, check the following first.

	Phenomenon	Cause or check points
Normal Performance inspection	The system does not restart immediately.	• When unit is stopped, it won't restart immediately until 3 minutes have elapsed to protect the system. • When the electric plug is pulled out and reinserted, the protection circuit will work for 3 minutes to protect the air conditioner.
	Noise is heard:	• During unit operation or at stop, a swishing or gurgling noise may be heard. At first 2-3 minutes after unit start, this noise is more noticeable. (This noise is generated by refrigerant flowing in the system.) • During unit operation, a cracking noise may be heard. This noise is generated by the casing expanding or shrinking because of temperature changes. • Should there be a big noise from air flow in unit operation, air filter may be too dirty.
	Smells are generated.	• This is because the system circulates smells from the interior air such as the smell of furniture, cigarettes.
	Mist or steam are blown out.	• During COOL or DRY operation, indoor unit may blow out mist. This is due to the sudden cooling of indoor air.
Multiple check	Does not work at all.	• Is power plug inserted? • Is there a power failure? • Is fuse blown out?
	Poor cooling	• Is the air filter dirty? Normally it should be cleaned every 15 days. • Are there any obstacles before inlet and outlet? • Is temperature set correctly? • Are there some doors or windows left open? • Is there any direct sunlight through the window during the cooling operation?(Use curtain) • Are there too much heat sources or too many people in the room during cooling operation?