



# Haier

## SPLIT TYPE ROOM AIR CONDITIONER OPERATION MANUAL



- HSU-26HEK03/R2(DB)/I
- HSU-35HEK03/R2(DB)/I
- HSU-53HEK03/R2(DB)/I
- HSU-71HEK03/R2(DB)/I

### Contents

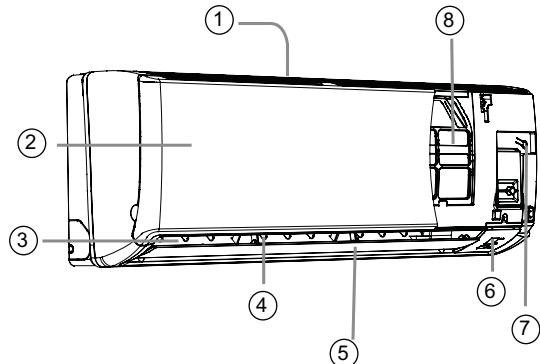
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Please read this operation manual before using the air conditioner.  
**Keep this operation manual for future reference.**

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# Parts and functions

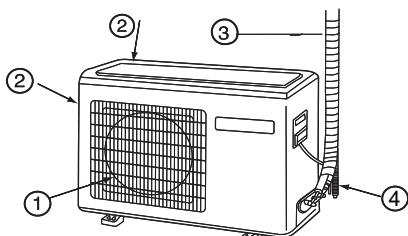
## Indoor Unit



- ① Inlet
- ② Inlet grille
- ③ Outlet
- ④ Vertical blade  
(adjust left and right air flow)
- ⑤ Horizontal flap  
(adjust up and down air flow.  
Don't adjust manually.)
- ⑥ Display board
- ⑦ Emergency Switch
- ⑧ Air Purifying Filter  
(inside)

The picture above is for reference, products may differ slightly from the image shown.

## Outdoor Unit



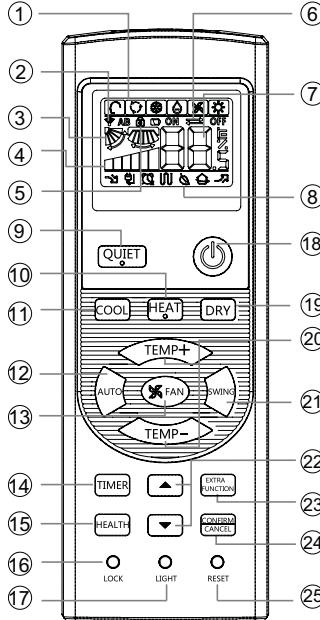
- ① Outlet
- ② Inlet
- ③ Connecting piping and electrical wiring
- ④ drain hose

The picture above is for reference only. Products may differ slightly from the image shown.

### Hint:

Remove the batteries if the product won't be in use for a long period. If there is any display after the batteries are removed, just press the reset key.

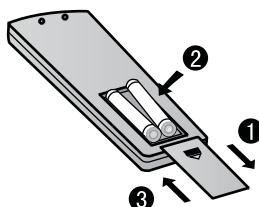
## Remote controller



1. Mode display
  2. Signal sending display
  3. SWING display
  4. FAN SPEED display
  5. LOCK display
  6. TIMER OFF display  
TIMER ON display
  7. TEMP display
  8. Additional functions display
- |                   |      |      |     |      |     |
|-------------------|------|------|-----|------|-----|
| Operation mode    | AUTO | COOL | DRY | HEAT | FAN |
| Remote controller |      |      |     |      |     |
- |                   |       |       |   |        |       |
|-------------------|-------|-------|---|--------|-------|
| Operation mode    | QUIET | SLEEP | Supplemented electrical heating<br>(not used) | HEALTH | POWER |
| Remote controller |       |       |   |        |       |

HEALTH function is not available for some units.

## Loading of the battery



1. Remove the battery cover;
2. Load the batteries as illustrated.  
Use "AAA" batteries, resetting key (cylinder);
3. Be sure that the batteries are in line with the + / - ;
4. Load the battery, then replace the cover.

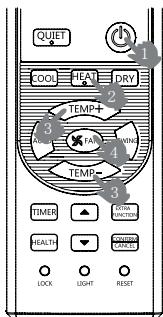
### Note:

- The distance between the signal transmission head and the receiver hole should be less than 7m. Any obstacles between the transmission head and receiver hole may block the signal.
- If an electric fluorescent light or wireless telephone is installed in the room, it may interrupt the signal, so the distance between the controller and indoor unit should be shorter.
- If the display is full or unclear, charge the batteries.
- If the remote controller doesn't run normally, remove the batteries and reload several minutes later.
- If two units are installed in the same room, both units can be operated by one remote controller. You can also make a dedicated remote controller for each unit. The remote controller and unit are by default set as ID codes "A", shown on the top left hand side of the display. To change ID for the unit and remote, turn the power on and press the **EXTRA FUNCTION** button repeatedly until "AB" is displayed – the "B" should be flashing. Press **CONFIRM CANCEL** button to confirm. "B" should now be shown on the display.

# Operation

## Basic Operation

Remote controller



- Unit start  
Press ON/OFF on the remote controller to start the unit.
- Select operation mode  
AUTO button: Automatic selection of heating or cooling  
COOL button: Refrigerated cooling mode  
HEAT button: Reverse cycle heating mode  
DRY button: Dehumidify mode  
FAN only mode: Air circulation only, no heating or cooling

Operation Mode	Remote Controller	Note
AUTO		In AUTO mode the air conditioner will automatically select Cool or Heat operation according to the room temperature. When the FAN speed is set to AUTO, the air conditioner automatically adjusts the fan speed according to the room temperature. Temperature settings can not be adjusted
COOL		In COOL mode, cool to cold air will blow out after a short delay. When the FAN is set to AUTO, the air conditioner automatically adjusts the fan speed according to room temperature.
HEAT		In HEAT mode, warm air will blow out after a short delay due to the cold-draft prevention function. When FAN is set to AUTO, the air conditioner automatically adjusts the fan speed according to room temperature.
DRY		In DRY mode, when the room temperature becomes lower than the temperature setting +2°C, unit will run intermittently at LOW speed regardless of the FAN setting.
FAN		Press extra function and confirm/cancel button to select FAN mode. 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, the temperature setting is disabled and the sleep operation is not available.

Note: The cool or warm air will be regulated by the room temperature and the temperature you have selected on the remote control. Cool or warm air will cease to blow out once the room has reached your selected temperature. During heating, the unit may go into a "De-ice" – this is normal and the unit should be left operating during this period. Steam may be visible at the outdoor unit as it automatically removes any ice build up. Once this function is complete your unit will revert back to heating.

- Select temperature setting  
Press TEMP+ / TEMP- button

TEMP+ Every time the button is pressed, the temperature setting will increase by 1°C. If you hold the button down it will increase rapidly.

TEMP- Every time the button is pressed, the temperature setting will decrease by 1°C. If you hold the button down it will decrease rapidly.

Select your desired temperature (16-30°C).

Note: When AUTO mode is selected, the temperature setting can not be adjusted.

- Fan speed selection  
Press FAN button. Each time you press the button, the fan speed changes as shown in the diagram

Remote controller:

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

## Airflow Direction Adjustment

### 1. Airflow direction display

The airflow positions are shown on the remote controller display as below:

Pos.1 Pos.2 Pos.3

Pos.4 Pos.5 Pos.6 (Auto swing)

### 2. To set airflow direction, press the

Press this button to cycle between the three locations shown below. Choose the swing location that you need, then press the



#### Note:

Do not direct the flap by hand, otherwise the grille will run incorrectly. Damage to this flap due to manual adjustment is not covered by warranty. If the grille does not run correctly, stop for a minute and then restart, using the remote controller to adjust it.

#### Note:

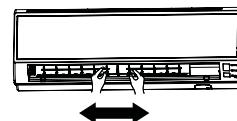
- After setting the airflow direction, the position grille is fixed.
- For heating, it is better to select the mode
- For cooling, it is better to select the mode.
- In cooling and dry modes, when using the air conditioner for a long time in high air humidity, condensate water may collect on the grille.

### 3. AUTO swing

Press SWING button to cycle the louvers between Pos.1 and 5. Press again to stop cycling.

### 4. Left and right air flow adjustment (manual)

Move the vertical blade using the knob on the air conditioner to adjust left and right, as shown in the diagram.



#### Caution:

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

#### Note:

When restarting after turning off remotely, the remote controller will automatically memorize the previous set position.

## POWER/QUIET Operation

### 1. POWER Operation

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

Press the repeatedly until displays. When the display cycles to , will flash. Then press to confirm.

Repeat the process above to cancel.

### 2. QUIET Operation

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

Press the QUIET button and the remote controller will show .

Press the QUIET button again and the quiet function will be cancelled.

#### Note:

During POWER operation, in rapid HEAT or COOL mode, the room may show uneven temperature distribution. Extended use of the QUIET function will provide complete and efficient cooling of your room.



# Important information regarding the refrigerant used

This product contains fluorinated greenhouse gases covered by the Kyoto Protocol. Do not vent into the atmosphere.

Refrigerant type: R410A

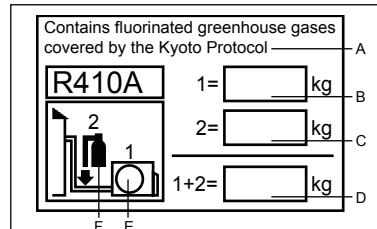
GWP\* value: 1975

GWP = global warming potential

Please fill in with indelible ink,

- 1 the factory refrigerant charge of the product
- 2 the additional refrigerant amount charged in the field and
- 1+2 the total refrigerant charge on the refrigerant charge label supplied with the product.

The filled out label must be adhered in the proximity of the product charging port (e.g. onto the inside of the stop valve cover).



A contains fluorinated greenhouse gases covered by the Kyoto Protocol

B factory refrigerant charge of the product: see unit name plate

C additional refrigerant amount charged in the field

D total refrigerant charge

E outdoor unit

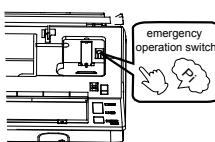
F refrigerant cylinder and manifold for charging

# Emergency operation and test operation

## Emergency Operation:

- Use this only when the remote controller is defective or lost. air conditioner can run automatically for a short time.
- When the emergency operation switch is pressed, the "Pi" sound is heard once, which means emergency operation has started.
- When power switch is turned on for the first time and emergency operation starts, the unit will run automatically in the following modes:

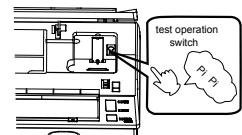
Room temperature	Designated temperature	Timer mode	Fan speed	Operation mode
Above 23°C	26°C	No	AUTO	COOL
Below 23°C	23°C	No	AUTO	HEAT



## Test operation:

The test operation switch is the same as the emergency switch.

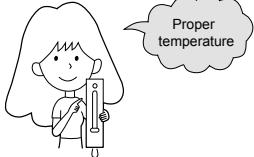
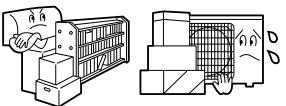
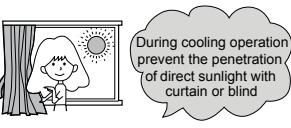
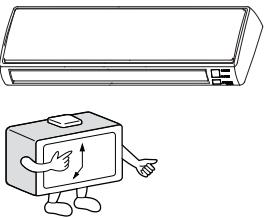
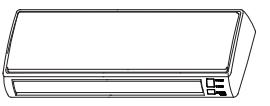
- Use this switch in the test operation when the room temperature is below 16°C. Do not use it during normal operation.
- Continue to press the test operation switch for more than 5 seconds . After you hear the "Pi" sound twice, release your finger from the switch: the cooling operation starts with the air flow speed "Hi".
- Under this operation mode, the fan motor of indoor unit will run in high speed.

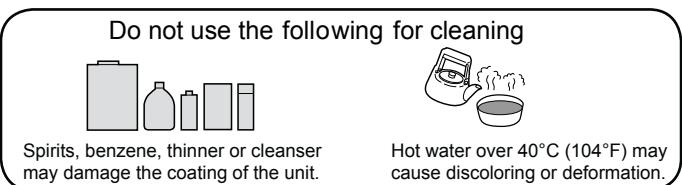


- It is impossible to change the settings of temperature fan speed, or to operate in timer or dry mode.

# Maintenance

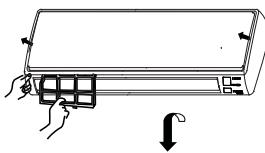
## For Efficient Use of The Air Conditioner

Setting of proper room temperature	Do not block the air inlet or outlet
	
Close doors and windows during operation	Use the timer effectively
	
If the unit is not to be used for a long time, turn off the main power supply switch.	Use the louvers effectively
	
Remote Controller	Indoor Body
	
Do not use water, wipe the controller with a dry cloth. Do not use glass cleaner or chemical cloth.	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.

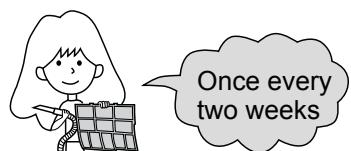


### Air Filter cleaning

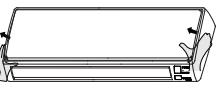
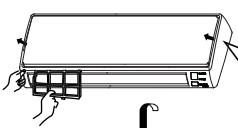
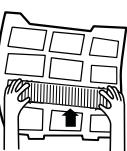
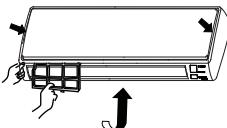
1. Open the inlet grille by pulling it upward.



2. Remove the filters (left and right side). Push up the filter's centre tab slightly until it is released from the stopper, and remove the filter downward.
3. Clean the filters. 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 filters. 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.



## Maintenance of Air Purifying Filters

1. Open the Inlet Grille	
Hold the front panel by the tabs on both sides and lift it until it stops with a click.	
2. Detach the standard air filters	
Slide the knob slightly upward to release the filter, then withdraw it.	
3. Attach Air Purifying Filters	
Put air purifying filters into the right and left filter frames (one in each).	
4. Attach the standard air filter (Necessary installation)	
Attention: The white side of the photocatalyst air purifying filter faces outside, and the black side faces the unit. The green side of the bacteria-inhibiting air purifying filter faces outside, and the white side faces the unit.	
5. Close the Inlet Grille	
Close the grille securely.	
Note:	
<ul style="list-style-type: none"> <li>The photocatalyst air purifying filter will need to be 'recharged' from time to time. This air filter should be exposed to the sunlight every six months to help the photocatalyst maintain purifying qualities.</li> <li>The bacteria-inhibiting filter can be used for a long time without need for replacement. However, you should remove dust frequently by using a vacuum cleaner or tapping the filters lightly. This will ensure good performance.</li> <li>When not in use, keep the bacteria-killing medium air purifying filter in cool and dry conditions and avoid prolonged exposure to direct sunlight as this may reduce the effectiveness of the filter.</li> </ul>	

# Cautions

## WARNING

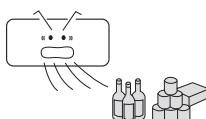
Please call Sales/Service Shop for the Installation.

Do not attempt to install the air conditioner by yourself because improper works may cause electric shock, fire, water leakage.

This appliance must be installed only by suitably qualified technicians complying with this installation manual and all local, state and national codes.

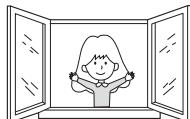
## CAUTION

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



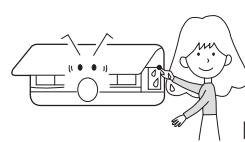
 PROHIBITED

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



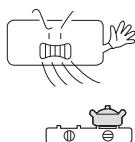
 STRICT ENFORCEMENT

Do not operate the switch with wet hand.



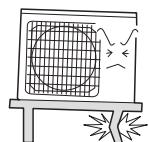
 PROHIBITED

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



 PROHIBITED

Check good condition of the installation stand.



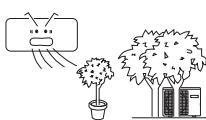
 PROHIBITED

Do not pour water onto the unit for cleaning.



 PROHIBITED

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



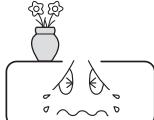
 PROHIBITED

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



 PROHIBITED

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



## CAUTION

- Do not obstruct or cover the ventilation grille of the air conditioner. 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, or 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:

For: T1

Cooling	Indoor	Maximum:D.B/W.B 32°C/23°C Minimum:D.B/W.B 21°C/15°C
	Outdoor	Maximum:D.B/W.B 46°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 -7°C/-8°C
	Outdoor (INVERTER)	Maximum:D.B/W.B 24°C/18°C Minimum:D.B -15°C

- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person. The type of connecting wire and power cable is H05RN-F or H07RN-F.
- If the fuse on PC board is broken please change it with a fuse type T. 3.15A/250V(indoor).  
If the fuse of outdoor unit on PC board is broken, please change it with the type of T. 25A/250V(outdoor).
- The distance between the indoor unit and the floor should be more than 2m.
- The wiring method should be in line with the local wiring standard.
- The used batteries should be disposed of properly.
- The appliance is not intended to use by young children or infirm persons without supervision.
- Young children should be supervised ensure that they do not play with the appliance.
- The appliance must be installed on a strong enough support.
- The wiring diagram is attached inside the machine.
- The connecting wire and power cable must have acquired the local attestation.
- In order to protect the units, please turn off the A/C first, and at least 30 seconds later and cutting off the power.

# Trouble shooting

*Before asking for service, check the following first.*

	Phenomenon	Cause or check points
Normal Performance inspection	The system does not restart immediately. 	<ul style="list-style-type: none"> <li>The product has a 3 minute time elapse to protect the system due to wear that may occur during the restart cycle. This system will be activated if there is any interruption to the power supply for your air conditioner at any time</li> </ul>
	Noise is heard 	<ul style="list-style-type: none"> <li>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.)</li> <li>During unit operation, a cracking noise may be heard. This noise is generated by the casing expanding or shrinking because of temperature changes.</li> <li>Should there be a loud noise from air flow in the unit operation, the air filter may be too dirty. Normally it should be cleaned every 15 days.</li> </ul>
	Odours are generated.	<ul style="list-style-type: none"> <li>This is because the system circulates smells from the interior air such as the odours of furniture, paint, cigarettes.</li> </ul>
	Mist or steam are blown out. 	<ul style="list-style-type: none"> <li>During COOL or DRY operation, indoor unit may blow out mist. This is due to the sudden cooling of indoor air.</li> </ul>
	In dry mode, fan speed can't be changed.	<ul style="list-style-type: none"> <li>In DRY mode, when room temperature becomes lower than temperature setting +2°C, unit will run intermittently at LOW speed regardless of FAN setting.</li> </ul>
Multiple check		<ul style="list-style-type: none"> <li>The circuit breaker switch is "ON", but not "off"?</li> <li>Is there a power failure?</li> <li>Is fuse blown out?</li> </ul>
	Poor cooling 	<ul style="list-style-type: none"> <li>Is the air filter dirty? Normally it should be cleaned every 15 days.</li> <li>Are there any obstacles before inlet and outlet?</li> <li>Is temperature set correctly?</li> <li>Are there some doors or windows left open?</li> <li>Is there any direct sunlight through the window during the cooling operation? (Use curtain)</li> <li>Are there too many heat sources or too many people in the room during cooling operation?</li> </ul>

