

User Manual

Indoor

AS09TB1HRH
AS12TB1HRH
AS15TD1HRE
AS18TD1HRE
AS24TE1HRE

Outdoor

1U09BU1ERH
1U12BU1ERH
1U15RU1ERE
1U18RU1ERE
1U24SU1ERE



Design may vary by model number.



WARNING

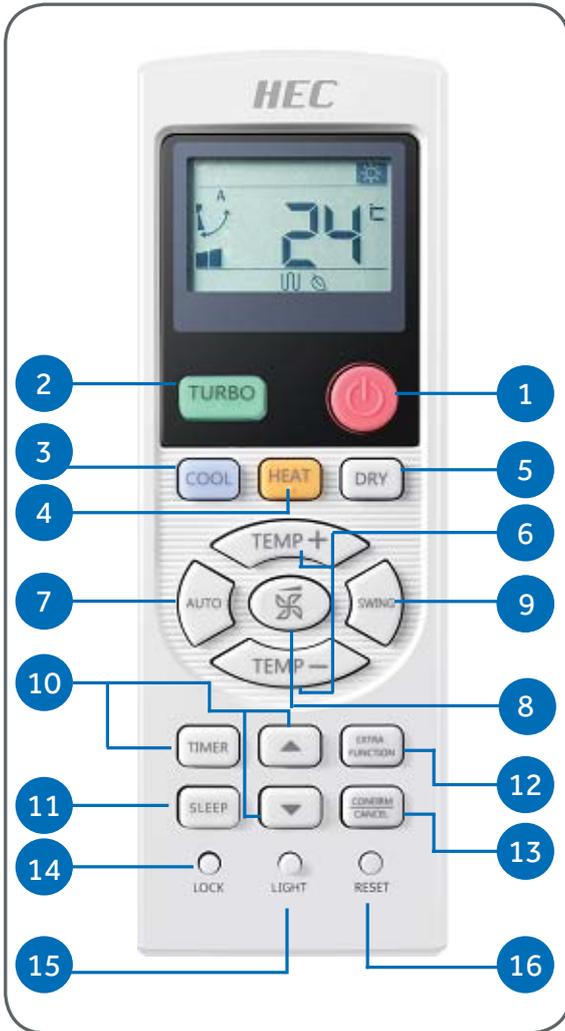
- This system should be installed by a qualified HVAC professional. Do not attempt to install the air conditioner by yourself because incorrect installation may cause fire, water leakage, personal injury or death.
- When abnormalities such as a burnt-smell are found, immediately power off the main switch and contact a licensed contractor.
- Do not obstruct or cover the ventilation grille on the air conditioner. Do not put fingers or any other things into the inlet/outlet or swing louver.
- Do not allow children to play with the air conditioner. Children should never be allowed to sit on the outdoor unit

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

TABLE OF CONTENTS

Cautions and Warnings	1
Controller Features & Settings	2
Emergency Operation & Maintenance	5
Troubleshooting.....	6

Remote Controller



1 Power Button

Press the ON/OFF  button on the remote control to start the unit.

2 TURBO Button

The TURBO function is used for fast heating or cooling. Press the TURBO  button once and the remote control will display the TURBO  icon on the bottom right side of the remote display and switch the unit to the TURBO function.

Press the TURBO  button again to cancel the function and return to normal operation.

Note:
TURBO/QUIET modes are only available when the unit is under cooling or heating mode (not for auto or fan mode).

QUIET mode can be selected from extra function button.

Press  button to enter additional options, when cycle display to ,  will flash, and then press , enter to

quiet function. When cancel the function, please enter additional options again and to cancel quiet function.

Running the unit in QUIET mode for a long period of time may cause the room temperature to not reach the set temperature. If this occurs, cancel QUIET mode and set the fan speed to a higher setting.

3 COOL Button

In COOL mode, the unit operates in cooling. When FAN is set to AUTO, the air conditioner automatically adjusts the fan speed according to room temperature. The  will be displayed during COOL mode.

4 HEAT Button

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

5 DRY Button

DRY mode is used to reduce humidity. In DRY mode, when room temperature becomes lower than temp. setting +2°F, unit will run intermittently at LOW speed regardless of FAN setting. The  will be displayed during DRY mode.

6 Temperature +/- Buttons

Temp + Every time the button is pressed, the temperature setting increases.

Temp - Every time the button is pressed, temperature setting decreases.

The operating temperature range is 60°F-86°F (16°C-30°C).

7 AUTO Button

Under the mode of auto operation, the air conditioner will automatically select Cool, Heat, or Fan operation according to set temperature. When FAN is set to AUTO the air conditioner automatically adjusts the fan speed according to room temperature. The  will be displayed during AUTO mode.

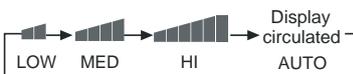
8 FAN Button

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

Fan speed selection

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

Remote control:



The air conditioner fan will run according to the displayed fan speed.

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

9 Louver SWING Button

1. Status display of air flow

Press  button to enter additional options, when cycle display to  ,  will flash. And then press  enter to up and down air flow function.

Press  button. For each press, changes as follows:

Remote controller:

COOL/DRY:  Initial state
HEAT: 

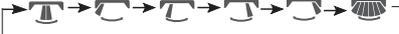
2. Left and right air flow adjustment

(This function is unavailable on this 5 models.)

Press  button to enter additional options, when cycle display to  ,  will flash. And then press  enter to Left and right air flow function.

Press  button. For each press, changes as follows:

Remote controller:

COOL/DRY/HEAT: 

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.

10 Timer Button

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
0.5h 0.5h 0.5h 0.5h 0.5h
TIMER ON TIMER OFF TIMER ON-OFF TIMER OFF-ON

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  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.

11 SLEEP Button

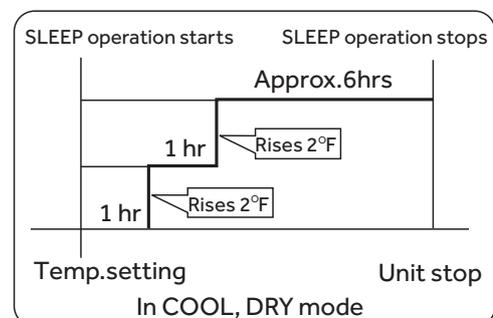
Press  button, the remote controller will show , and then achieve to the sleep function.

Press again this  button, the sleep function will be cancelled.

Sleep Operation Mode

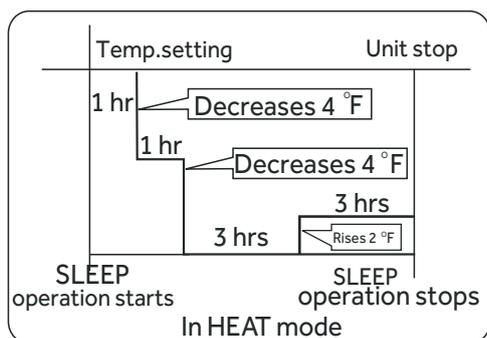
1. SLEEP mode during COOL, DRY modes

One hour after SLEEP mode starts, the temperature will rise 2°F above set temperature, after another hour, the temperature rises an additional 2°F. The unit will run for an additional six hours, then turns off. The final temperature is 4°F higher than the initial set temperature. Using this feature will help with achieving maximum efficiency and comfort from your unit while you sleep.



2. SLEEP mode during HEAT mode

One hour after SLEEP mode starts, the temperature will decrease 4°F below set temperature, after another hour, the temperature will decrease an additional 4°F. After an additional three hours, the temperature will rise by 2°F. The unit will run for an additional three hours, then turns off. The final temperature is 6°F lower than the initial set temperature. Using this feature will help with achieving maximum efficiency and comfort from your unit while you sleep.



3. In AUTO mode

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

Note:

- When the unit is set to sleep mode, the fan speed will be set to low speed and cannot be changed.
- When the TIMER function is set, the sleeping function cannot be set. If the sleeping function has been set, and the user sets the TIMER function, the sleeping function will be canceled, and the unit will be set to the timer function.

12 EXTRA FUNCTION Button

Function:

A) HEALTH Operation

Feature not available on this series even display the icon  on the remote.

B) Fan Mode - Is indicated by the  icon. Only the fan will operate in this mode. See section 8 "FAN Button" for changing the fan settings.

C) Select the desired operating mode

1. Setting the intelligent airflow function

Press the EXTRA FUNCTION  button to enter additional options. Press this button repeatedly to access the louver settings. The louver icon will cycle through the

following three settings.



Select the desired position, then press the CONFIRM/CANCEL  button to set the function.

2. Canceling the intelligent airflow function

Press the EXTRA FUNCTION  button to enter additional options. Press this button repeatedly to access the louver settings. Cycle the button to the louver icon "present" position, then press the CONFIRM/CANCEL  button to cancel the function.

Notice: Do not reposition the horizontal louver by hand. This may cause the louver to run incorrectly and not match the icon displayed on the remote control. If the louver is not running correctly, turn the unit off for one minute, then back on, and adjust the louver setting with the remote control.

Note:

1. After setting the intelligent airflow function, the louver position is fixed.
2. In cooling, it is better to select the  mode.
3. In heating, it is better to select the  mode.
4. In cooling and dry modes, using the air conditioner for a long period of time under high humidity conditions, condensate water may form on the grille/louver.

D) Right and Left Airflow Setting

Feature not available on this series even display the icon  on the remote.

E) A-B Yard - This will allow you to control two separate units with a single remote control.

Note: this feature would be setup at the time of installation by the contractor.

F) 50°F low temperature heating

G) Refresh air - Feature not available on this series. even display the icon  on the remote.

H) QUIET - Available only in cooling or heating model. and display the icon  on the remote.

I) Fahrenheit/Celsius mode shift on unit and remote -

To switch between Fahrenheit and Celsius press the EXTRA FUNCTION  button until either Celsius or Fahrenheit is displayed. Press the CONFIRM/CANCEL  button to apply the change.

13 Confirm/Cancel Button

Function: Setting and canceling timer and other functions.

14 LOCK Button

Used to lock buttons and LCD display

15 LIGHT Button

Turns indoor unit display on and off

16 RESET Button

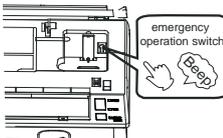
If the remote control is not functioning properly, use a pen point or similar object to depress this button to reset the remote.

Emergency Operation

Emergency Operation:

- Use this operation only when the remote control is defective or lost.
- When the emergency operation switch is pressed, the unit beeps once, which indicates the start of this operation.
- When the power switch is turned on for the first time and emergency operation starts, the unit will run automatically in the following modes:

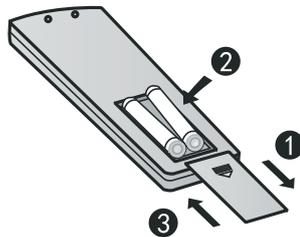
Room temperature	Designated temperature	Timer mode	Fan speed	Operation mode
Above 73°F	79°F	No	AUTO	COOL
Below 73°F	73°F	No	AUTO	HEAT



- During emergency operation, it is not possible to change the settings of temperature and fan speed. It is also not possible to operate in timer or dry modes.

Inserting the Batteries

1. Remove the battery cover
2. Insert 2 AAA batteries as illustrated noting battery polarity
3. Reinstall the battery cover



NOTE:

- The distance from the remote control to the receiver should be less than 23 feet with no obstructions.
- If the remote control display is weak or the operating distance has diminished, the batteries may need to be replaced.
- Remote control malfunctions can sometimes be corrected by removing the batteries from the remote for a few minutes and then reinstalling them.
- Remove the batteries from the remote control if the unit will not be in use for an extended period of time. If any segments of the display remain active after battery removal, press the reset button.

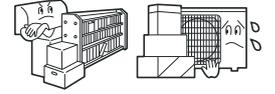
Optimizing Performance

Close doors and windows during operation

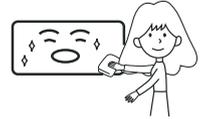


During cooling operation prevent direct sunlight with curtains or blinds

Do not block the air inlet or outlet

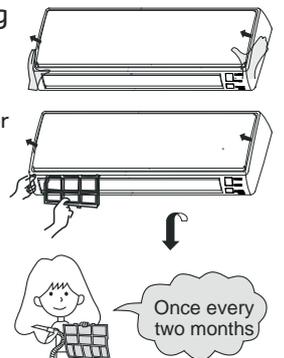


Wipe the air conditioner using a soft and dry cloth. For serious stains, use a neutral detergent diluted with water. Wring the water out of the cloth before wiping down the unit. Then wipe off the detergent completely.



Cleaning the Air Filter

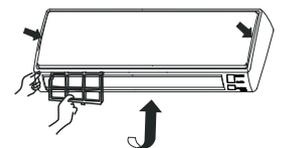
1. Open the inlet grille by pulling it upward
2. Remove the filter. Gently push up on the filter's center tab until it is released from the stopper, and remove the filter downward.
3. Clean the filter. Use a vacuum cleaner to remove dust, or wash the filter with water. After washing, dry the filter completely.



4. Attach the filter. Attach the filter so that the "FRONT" label is facing the front. Make sure that the filter is securely attached behind the holding tabs. If the filter is not attached correctly the unit may not achieve maximum efficiency.



5. Close the inlet grille.



Before asking for service, check the following first:

	Problem	Cause and Solutions
Normal Performance Inspection	The system does not restart immediately 	<ul style="list-style-type: none"> • When unit is stopped, it will not restart again for 3 minutes to protect the system. • When electricity is disconnected and then reconnected, the protection circuit will work for 3 minutes to protect the air conditioner.
	Noise is heard 	<ul style="list-style-type: none"> • During unit operation or a stop, a swishing or gurgling noise may be heard. The first 2-3 minutes after the unit has started is when the noise is most 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 due to temperature changes. • If the airflow creating a loud noise during unit operation, the air filter may be too dirty.
	Odd smell	<ul style="list-style-type: none"> • The system circulates smells from the indoor air such as the smell of furniture, paint, and/or cigarettes.
	Mist or steam are blowing out. 	<ul style="list-style-type: none"> • During COOL or DRY operation, indoor unit may blow out mist. This is due to the sudden cooling of the indoor air.
	In dry mode, fan speed can't be changed.	<ul style="list-style-type: none"> • In DRY mode, when the room temperature becomes lower than the set temperature by 2°F, the unit will run intermittently at LOW speed regardless of FAN setting.
Conditions to check for		<ul style="list-style-type: none"> • Is the power plug inserted? • Is there a power failure? • Is a fuse blown?
	Poor cooling 	<ul style="list-style-type: none"> • Is the air filter dirty? Normally it should be cleaned every 2 months. • Is there anything blocking the inlet and/or outlet? • Is the temperature set correctly? • Are there any doors or windows open? • Is there any direct sunlight through the window during the cooling operation? (Use curtains) • Are there too many heat sources or too many people in the room during cooling operation?

Indoor Model #: AS09TB1HRH,AS12TB1HRH
AS15TD1HRE,AS18TD1HRE,AS24TE1HRE

Issued Date: Nov,2016