

Wireless Remote Controller **User Manual**

Models:

RYT-24

Remote Buttons Overview

Button	Description
	Turns the air conditioner on or off
	Increases set temperature, set timing, or navigates the functional menu
	Decreases set temperature, set timing, or navigates the functional menu
MODE	Selects the mode of operation (Auto, Cool, Dry, Fan, and Heat modes)
ECO	Activates/deactivates the ECO feature
	Long press to activate the 46°F "Away from Home" freeze protection setting.
TURBO	Activates/deactivates the TURBO feature, which allows the system to reach set temperatures more rapidly
FAN	Configures the fan speed (Auto, Low, Mid, and High)
TIMER	Configures the automatic on/off times
SLEEP	Toggles the system's Sleep Mode
DISPLAY	Turns the LED display on or off
	Activates the up-down louver motor
	Activates the left-right louver motor
I FEEL	Activates the system's Follow Me mode
MUTE	Puts the system into silent mode
[LOCK]	Hold MODE+TIMER for child-lock
CLEAN	To activate/deactivate Self-Clean mode
MEMORY	To recall saved temp/mode/fan settings
ACC	<i>Reserved for Future Usage</i>



The display and some features of the remote control may vary according to the model of the system.



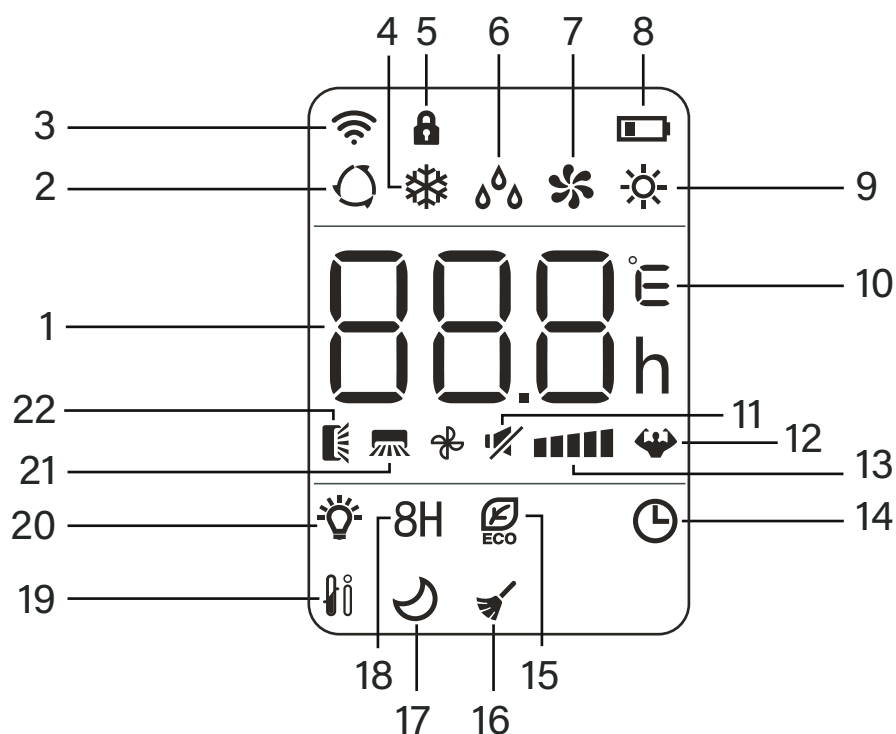
The shape and positions of the buttons and indicators may vary according to the model of the system, but the features and functionality would remain the same.



The unit will confirm the successful reception of each button command with a beep.



Remote Controller LED Screen and Icons



No.	Icon	Description
1	88	Temperature Indicator
2	Auto Mode Icon	Auto Mode
3	Signal Transmit Indicator	Signal Transmit Indicator
4	Cooling Mode Icon	Cooling Mode
5	Child Lock Indicator	Child Lock Indicator
6	Dry Mode Icon	Dry Mode
7	Fan Only Mode Icon	Fan Only Mode
8	Battery Level Indicator	Battery Level Indicator
9	Heating Mode Icon	Heating Mode
10	Unit of Temperature (°C/°F)	Unit of Temperature (°C/°F)
11	Mute Function Icon	Mute Function

No.	Icon	Description
12	Turbo Mode Icon	Turbo Mode
13	Fan Speed (Auto or Fixed)	Fan Speed (Auto or Fixed)
14	Timer Active Indicator	Timer Active Indicator
15	ECO Mode Icon	ECO Mode
16	Self-Clean Function Icon	Self-Clean Function
17	Sleep Function Icon	Sleep Function
18	8H	8°C (46°F) Heating Function
19	I Feel/Follow Me Mode Icon	I Feel/Follow Me Mode
20	LED Display On/Off Icon	LED Display On/Off
21	Left-Right Swing Indicator	Left-Right Swing Indicator
22	Up-Down Swing Indicator	Up-Down Swing Indicator

NOTE ON ILLUSTRATIONS

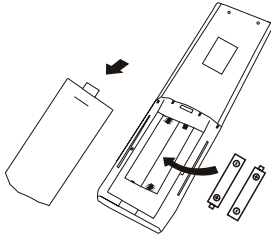
The illustrations in this manual are strictly for explanatory purposes. The actual display and some functions of the remote controller may vary according to the model purchased.

Replacement of Batteries

Remove the battery cover from the rear of the remote controller, by sliding it downward in the direction of the arrow as depicted below. Install batteries according to the depicted directions (+ and -) as shown on the remote controller. The cover then slides back into place.

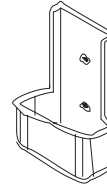


Use 2x AAA batteries. Do not use re-chargeable batteries. Replace old batteries with new ones of the same type when the display is no longer legible. Do not dispose of batteries as unsorted municipal waste. Disposal of such waste separately for special treatment is necessary. If the system will not be used for a long time, remove batteries to prevent leakage.



Note

Please remove batteries to avoid leakage damage when not being used for a long time.



Note

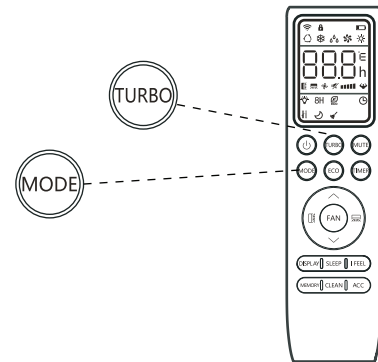
The remote can be placed inside the cradle when not in use (may be sold separately).

Configuring Remote Controller Settings (some models)

Depending on the system, the control type (Cooling Only or Heat Pump) and the unit of Temperature (°C or °F) can be configured using the controller buttons. Operate as below.

All configuration must be done as soon as batteries are inserted into the remote.

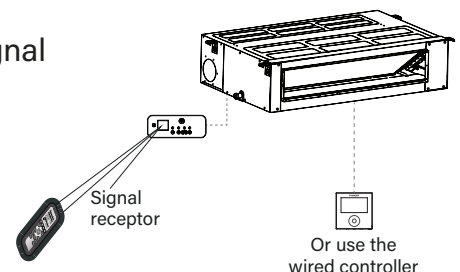
Press and Hold:	Functional Result
MODE	When ❄️ flashes, Cooling Only Mode
MODE	When ☀️ flashes, Heat & Cool Mode
TURBO ↓ TURBO (press)	After 5 seconds, enter Switch State ↓ Switch between °C and °F units



Remove batteries and re-insert to reprogram as many times as needed.

Operating the Remote Controller Successfully and Safely

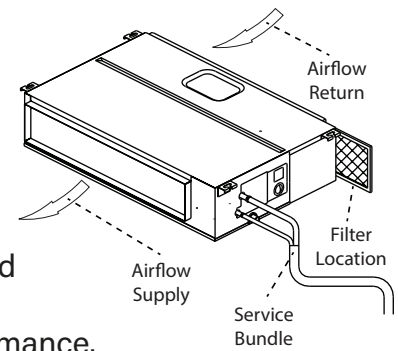
- Ensure no objects come between the remote controller and signal
- Keep the remote at least 3 ft away from televisions and other electrical appliances.
- Always direct the remote controller toward the air conditioner.
- Don't leave the remote exposed to sunrays.
- The wired controller can replace the handheld controller.



Regarding the Airflow of the Indoor Unit

The air that is pulled in by the fan (the “return air”) enters the grille and is passed through the anti-dust filter. It is then cooled/dehumidified/heated through the heat exchanger.

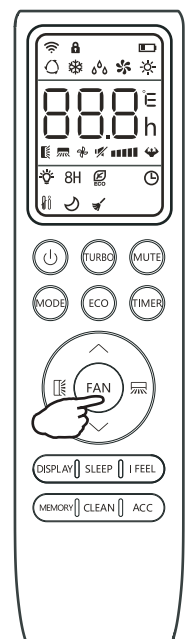
The air handler is typically ducted to the room(s) to be conditioned. It is critical that all utilized ductwork is properly sized and calculated according to the demands of the zones and size of system chosen. Improperly configured ducting will severely diminish system performance.



Controlling the System's Airflow

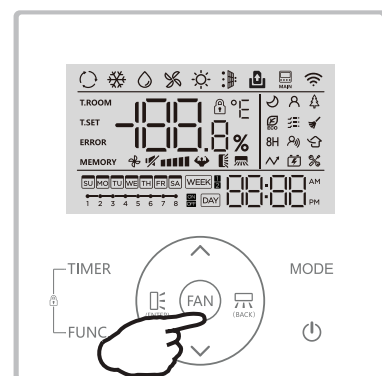
1. Refer to the manual of the wired controller for full details on usage.
 - Press the FAN button on the handheld remote controller to cycle the fan speed of the air handler. The sequence is: Mute → Low → Medium-Low → Medium → Medium-High → High → Turbo → Auto Speed
 - If using the wired controller, the FAN button can be pressed to cycle through the same sequence as outlined above. Current fan speed shows on screen.
2. Return air temperature, by default, is detected at the indoor unit return air side. Use the IFEEL setting to instead base system performance on the room temperature that is detected at the controller.

Note: If return air ducting is not set up well, it can lead to overcooling or overheating of the room, in which case IFEEL model may yield more favorable results.



! CAUTION

- When using the wired controller, refer to the separate wired controller manual for details.
- For static pressure adjustments (for trained persons only), see the Appendix of this manual.
- In some cases the wired controller cannot accept commands from the handheld remote.



COOLING Mode

Cooling mode allows the heat pump to cool the room while also reducing the humidity of the air in the room.

To put the system into cooling mode, press the  button until the ❄️ symbol appears on the remote's display.

The  and  buttons can then be used to set a temperature lower than that of the room.

HEATING Mode

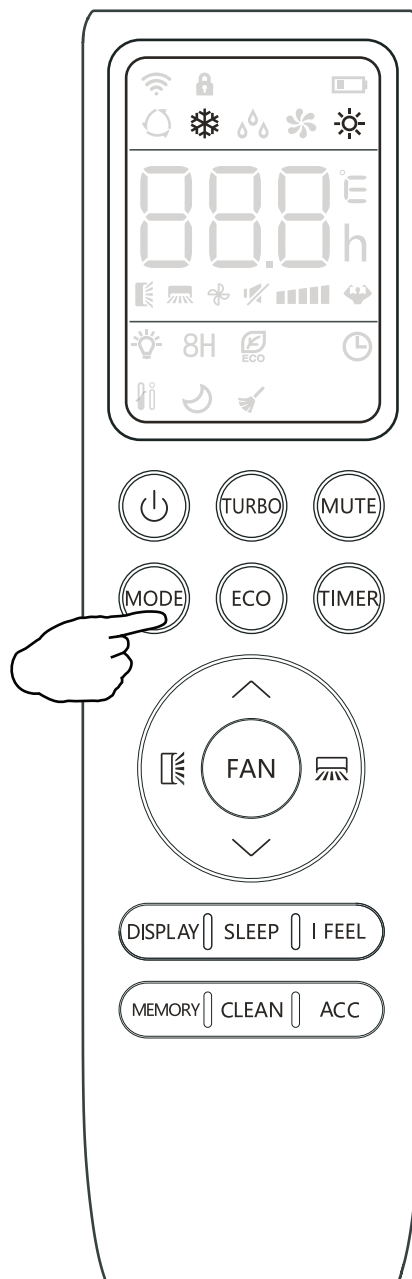
Heating mode allows the heat pump to warm the air in the room by reversing the cooling cycle.

To put the system into heating mode, press the  button until the ☀️ symbol appears on the remote's display.

The  and  buttons can then be used to set a temperature higher than that of the room.

Note that the system may take up to 10 minutes before it begins delivering heat in order to allow for the coil to warm up and prevent cold airflow.

Fan speed is not available to the user in the same way that it is in cooling mode. Rather, the fan will blow out air at a speed that is in proportion to how much the heat exchanger has been warmed up to.



NOTE

In heating mode, the appliance will periodically enter a defrost cycle, which is essential in order to clean frosting off the condenser and recover heat exchange capability. This process is normal and lasts for 2-10 minutes.

During defrosting, the indoor unit's fan will cease operation. After the cycle is completed, the system will resume its normal heat mode operation automatically. Press ECO 10 times within 8 seconds to trigger a forced defrost.

DRY Mode

Dry mode is a limited function that can rapidly reduce the humidity/moisture of the room.

To put the system into dry mode, press the  button until the  symbol appears on the remote's display.

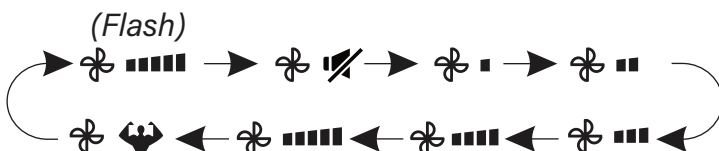
An automatic preset of this mode is then activated.

FAN-ONLY Mode

Fan-only mode is used to set the system to use only air ventilation and no heating or cooling.

To put the system into fan-only mode, press the  button until the  symbol appears on the remote's display.

Use the  button to then set the desired fan speed. The system will cycle from **AUTO**→**MUTE**→**LOW**→**LOW-MID**→**MID**→**MID-HIGH**→**HIGH**→**TURBO**

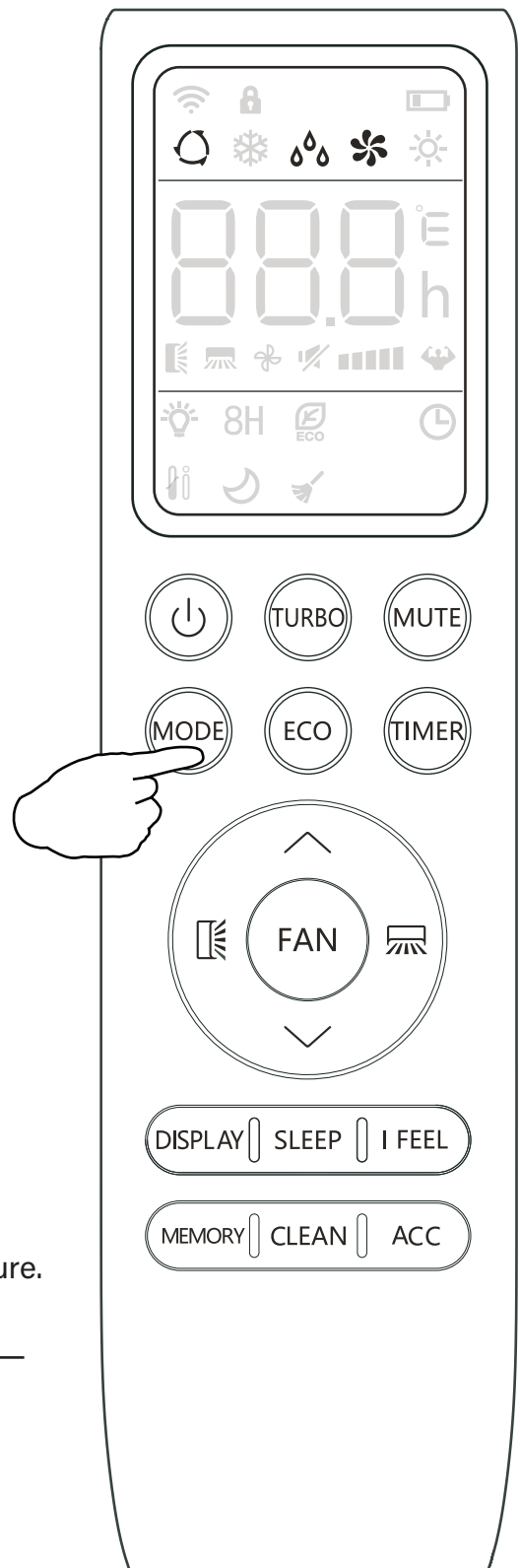


AUTO Mode

In Auto mode, the system selects cooling, heating, or fan-only mode based on the delta-T (ΔT), which is the difference between Room Temperature & Set Temperature.

ΔT (RT-ST)	$\Delta T > 2^{\circ}\text{F}$	$-2^{\circ}\text{F} \leq \Delta T \leq 2^{\circ}\text{F}$	$\Delta T < 2^{\circ}\text{F}$
→MODE	Cooling	Fan-Only	Heating

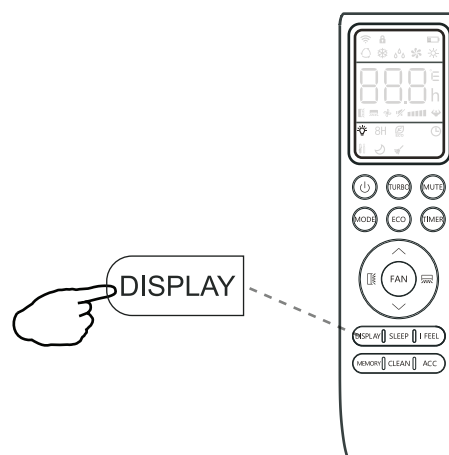
To put the system into AUTO mode, press the  button until the  symbol appears on the remote's display. The  and  buttons can then be used to set the desired room temperature.



Turning the Display On or Off

The LED display on the front panel of the system can be turned on or off as desired.

To do so, press the **DISPLAY** button in order to switch off the LED display on the front panel. This button can be pressed again to turn the LED display back on again.

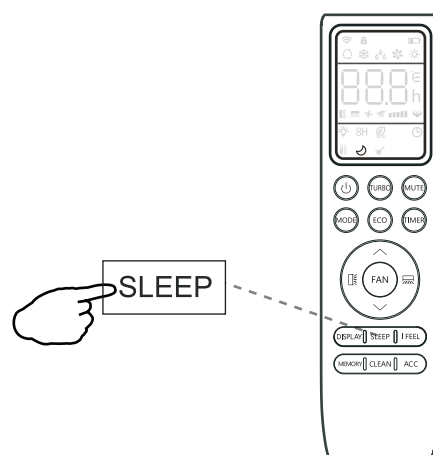


SLEEP Mode

Sleep mode is generally meant for periods of lesser cooling/heating requirements, such as during typical sleeping hours. This mode will result in decreased energy use, and can only be activated via remote control.

After 10 hours in sleep mode, the air conditioner will revert back to the previously set mode.

To put the system into sleep mode, press the **SLEEP** button, and the  symbol will appear on the display. Press this button again to exit from this mode.



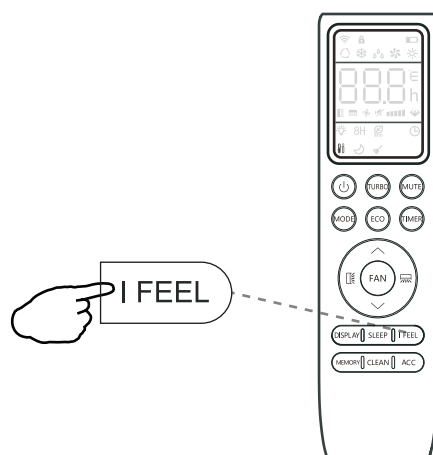
I FEEL - To Ensure Comfort

The I FEEL feature enables the remote to act as the temperature sensor and relay the current air temperature of where the remote is physically placed within the room. In some cases, this can aid with reducing thermal drift between the set temperature and the actual room temperature.

In order to activate this feature, press the **I FEEL** button, and the  icon will appear on the display.

NOTE

The I FEEL feature will automatically de-activate itself 8 hours later (or 2 hours on some models).



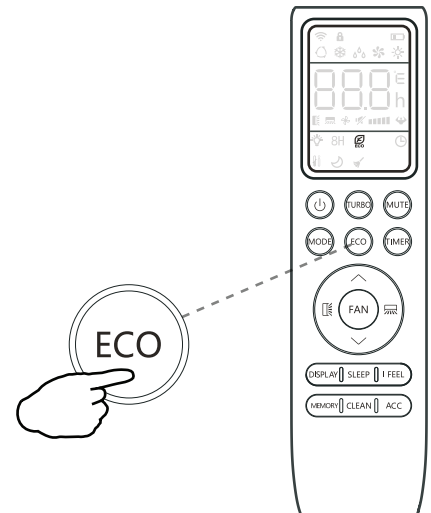
Energy Saver (ECO) Option

In this mode, the appliance will automatically manage its operation in order to save energy.

To turn the ECO feature on, press the  button on the remote, and the  icon will appear. The system is now running in ECO, and the process can be repeated to turn it off.

NOTE

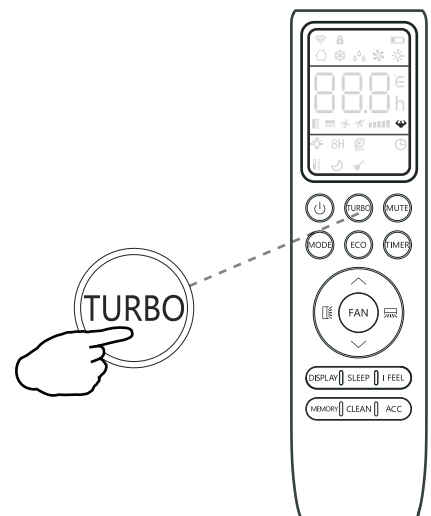
The ECO feature is available in both COOLING and HEATING modes.



TURBO Option

In this mode, the appliance will operate using the highest fan speed in order to maximize output and reach the set temperature in the quickest way.

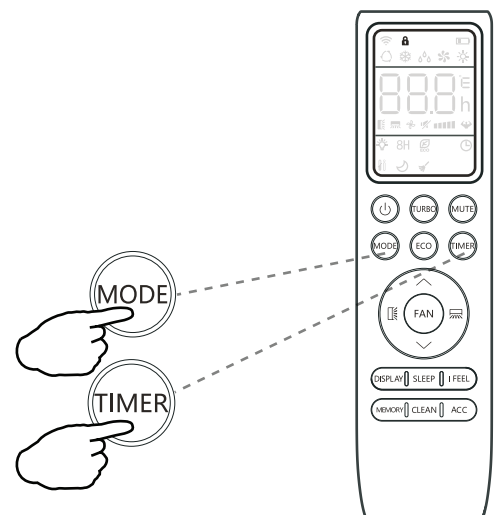
To turn the TURBO feature on, press the  button on the remote, and the  icon will appear. The system is now running in TURBO, and the process can be repeated to turn it off.



Child-Lock Function

Pressing  and  buttons together will activate the child-lock function. When this function is active, the  icon will be displayed, and no single button will be active.

Press the  and  buttons together once more to de-activate the child-lock function.

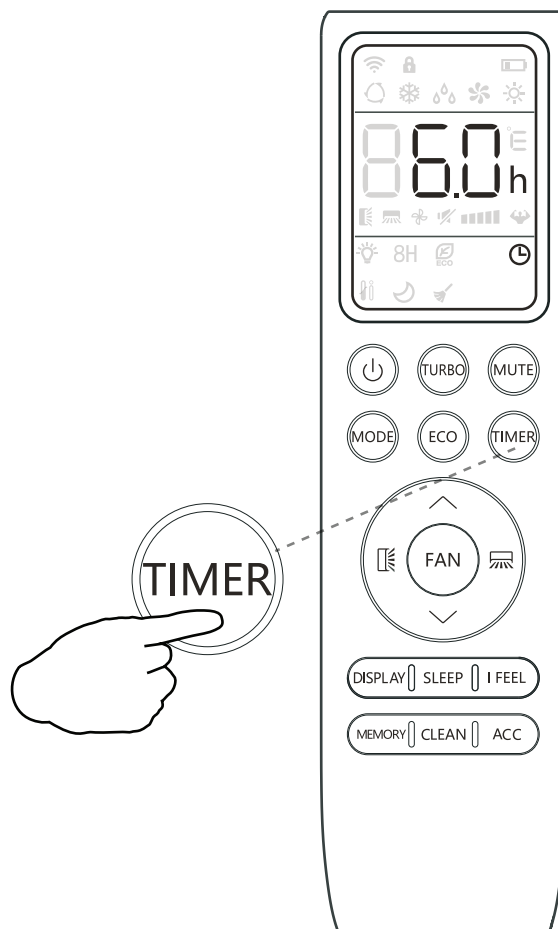


Using the Timer - TIMER ON

The TIMER feature allows you to set a time delay for the system to turn itself on or off.

To set a time delay for the system to turn itself on in X amount of hours:

1. Begin by pressing the  button while the system is powered off. The  symbol will then display flashing. The default setting is 6.0 hours.
2. Use the Temp  and  buttons to set the needed time delay in 30 minute increments.
3. Press the  button a second time to confirm.
4. Press the  button to select the desired operating mode that the unit should start up in.
5. Set the desired fan speed that the unit should start up in by pressing the  button.
6. Use the  and  buttons to set the desired operation temperature. The unit is now primed.



Using the Timer - TIMER OFF

The TIMER OFF feature allows the appliance to turn itself off after X amount of hours have passed. The symbol  will appear. To set a time delay for the system to turn itself off in X amount of hours:

1. Confirm that the appliance is on and running.
2. Press the  button to enter the prompt for switching off the system. Use the  and  buttons to configure the time delay setting.
3. Press the  button again to confirm. It can also be pressed once more to cancel the setting.

NOTE Regarding Timers

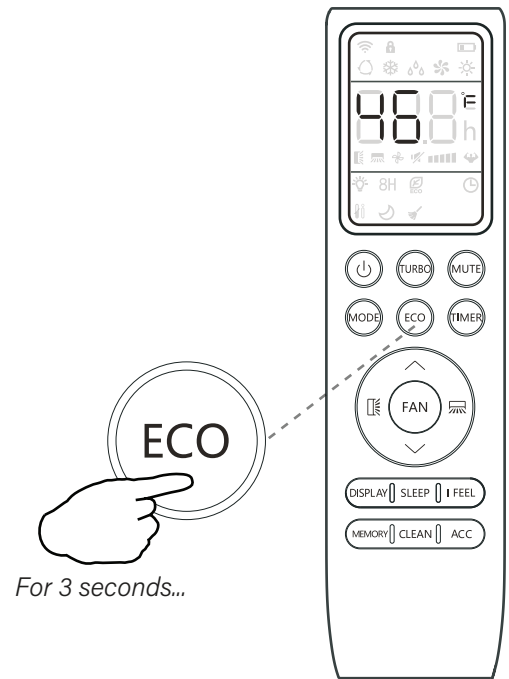
- Press the  button to cancel at any time in Timer Off.
- The programming will cancel if no buttons are pressed after 5 seconds. This may require restarting the process.

46°F Freeze Protection Function

This feature is meant to be used to prevent freezing while the user is away from home. When turned on, it sets the system to keep a temperature of 46°F. If the unit is in standby, then the setting will automatically start the heating mode when the room temperature is equal to or lower than 46°F. It will set the system back to standby when the room temperature reaches 48°F.

If the room temperature is ever 64°F or higher, then the appliance will cancel or prevent this feature automatically.

Press and hold the  button for 3 seconds to activate this feature. Repeat this to de-activate. Once activated, 46°F (8°C) will appear on the display.



MUTE Mode

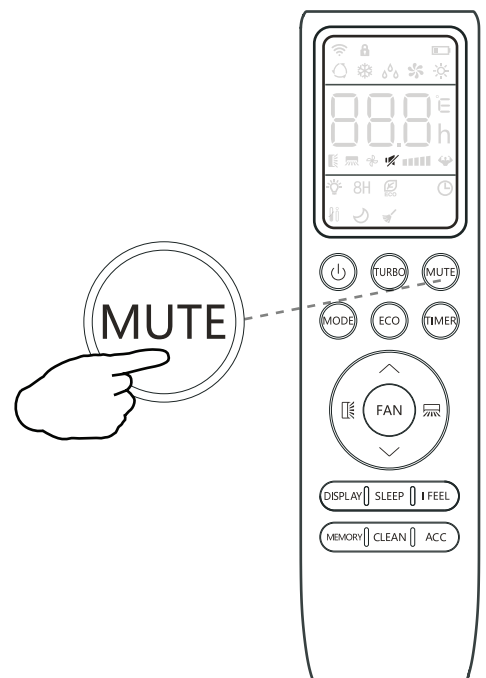
When the system is muted, the remote controller will display AUTO fan speed, and the indoor unit will operate at its lowest fan speed in order to minimize operation noise.

Press the  button in order to activate this mode. The  icon will display to indicate that the system is muted.

This mode can be cancelled by pressing either the FAN, TURBO, or SLEEP buttons.

NOTE

The MUTE feature cannot be activated when the system is in DRY mode.

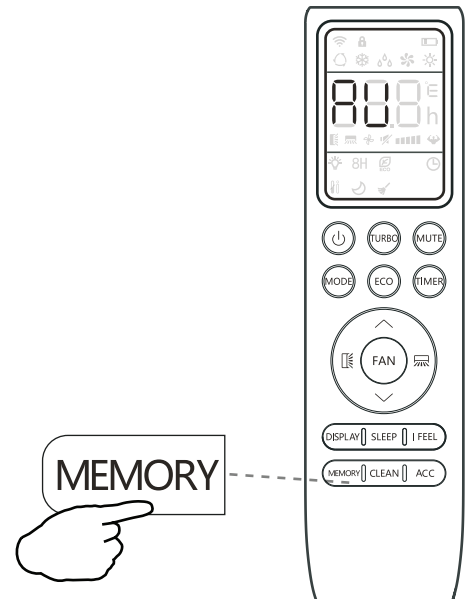


MEMORY Feature

The Memory feature enables the user to store their favorite setting and reconfigure the system to that same setting with the press of a single button. Each mode of HEAT/COOL/FAN/DRY can store a unique setting.

To use this feature, enter the desired mode and set the system to your preferred configuration and press and hold the **MEMORY** button for 3 seconds to store the configuration. The system will flash "AU" to acknowledge that the configuration has been stored successfully.

Enter the desired mode of HEAT/COOL/FAN/DRY and press the **MEMORY** button to activate the stored configuration.



SELF-CLEAN Feature

This feature helps carry away some of the accumulated dust, dirt, bacteria, and other microbial contents away from the indoor evaporator.

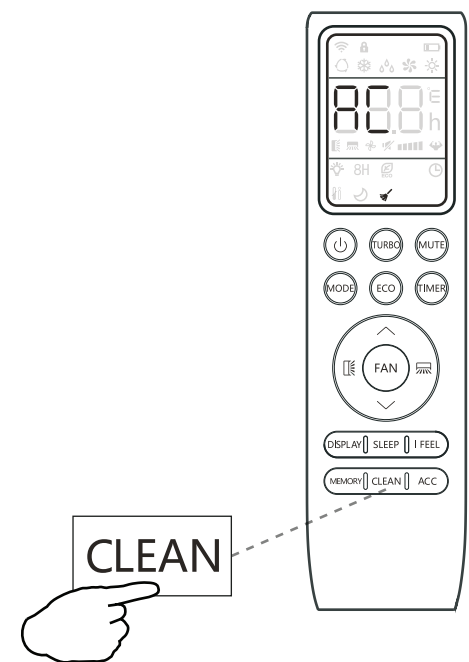
To activate this feature, press the **CLEAN** button until a beep is heard from the unit, the  icon displays and AC will be displayed on the unit and remote. This procedure will run for approximately 30 minutes, before returning to the preset mode.

The  button can be pressed to cancel this feature during the process. Two beeps will be emitted from the machine when it is finished, or cancelled.

This procedure can result in some uncommon noise coming from the machine. This noise is normal as a side effect of the plastics expanding and contracting due to reactions with heat and cold.

It is recommended to use this function only when indoor temperature is under 86°F and outside temperature is between 41°F and 86°F.

It is suggested to run this feature once every 3 months.



NOTE:

This feature does not replace the requirement of proper periodic maintenance and cleaning, especially for dusty/high-particle environments.

The design and specifications of this product are subject to change without prior notice as development continues. Consult with the sales agency or manufacturer for details. Refer to the equipment nameplate for all other applicable specifications.

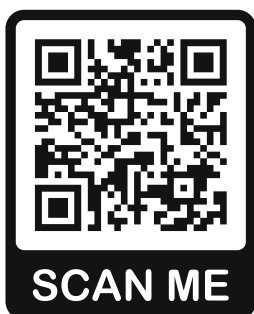


is a registered trademark of Parker Davis HVAC International, LLC.

Parker Davis HVAC International
7290 NW 77 Court, Miami, FL 33166 - USA
Tel : (305) 513-4488
Fax : (305) 513-4499
E-mail : info@pdhvac.com
Website: www.pdhvac.com

Pioneer product line, parts, and supplies are
available online for convenient ordering at:
www.highseer.com
www.pioneerminisplit.com

Scan the below code to visit our support page
where you can find more installation materials:



Copyright © Parker Davis HVAC International, LLC. All rights reserved.
