



# Boreal Air Conditioner Remote Buttons and Functions Guide

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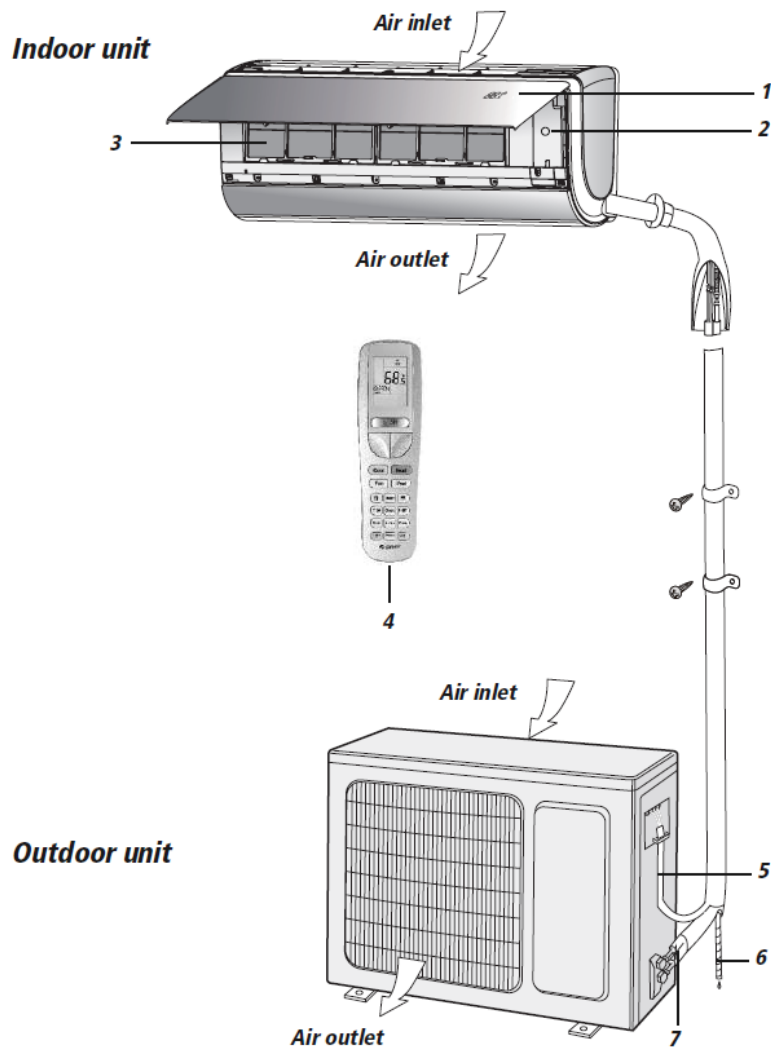
**Boreal Air Conditioner Remote Buttons and Functions Guide**



## INTRODUCTION

Gree's Crown High-Wall Ductless Heat Pumps and Air Conditioners are beautifully designed to deliver effective cooling or heating while fitting unobtrusively into any decor. Your Crown unit offers quiet, energy-efficient comfort for one room or one individual area of any living space. To speed up the process of bringing conditioned air exactly where you want it, the unit features both horizontal and vertical airflow control. Customizable mode controls allow you to adjust fan speeds, special sleep-time settings, and more, all through the easy-to-use wireless remote controller. There's even a Turbo, X-fan, Power Failure Memory, and other advanced features to make the Crown system even more versatile, for year-round comfort. Flexibility, intelligent design, and Gree innovation make the Crown your best choice for creating ideal climate conditions. The Crown series is WiFi enabled. It allows you to monitor and change settings through on-screen virtual controls from smartphones or tablets with Gree-Smart App.

## PART NAMES



## Indoor unit

### Part Name

1. Front Panel
2. Aux. Button
3. Filter
4. Remote Controller
5. Inter-Connection Wire
6. Drain Hose
7. Refrigerant Lines

## Outdoor unit

## SYSTEM FUNCTIONS

### WHISPER QUIET

Not only are the Gree systems energy efficient but they are quiet too. Crown High-Wall units operate with sound pressure levels starting as low as 22 dB(A).

### MULTI FAN SPEEDS

Whether operating in either Cooling or Heating mode, the indoor fan can be set to your choice of seven different speeds (Ultra-Low, Low, Low-Medium, Medium, Medium-High, High or Turbo) to achieve maximum comfort.

### **INTELLIGENT PRE-HEATING**

The Crown system guards against the annoying cool air blown into the room in heating mode. The system constantly monitors the discharge air temperature. It will delay the indoor fan until the indoor coil has warmed up to prevent blowing uncomfortable cool air into the room.

### **I FEEL MODE**

The unit will sense room temperature at the remote controller instead of at the indoor unit. It then adjusts airflow and temperature accordingly for the ultimate in personal comfort control and energy savings.

### **SWING LOUVER**

The unit has adjustable swing louvers which can be controlled by the wireless controller. Vertical and horizontal swing louvers allow five different air discharge directions including Continuous Sweep. Maximize comfort by adjusting the direction of airflow in the room by moving the louvers up or down, right or left.

### **TURBO MODE**

Use Turbo Mode for situations where you wish to achieve the desired room temperature in the shortest possible time. This mode runs the unit at ultra-high speeds for the quickest results.

### **TIMER MODE**

The unit can be programmed to turn ON or OFF after a specific amount of time. The time period is adjustable between one-half and 24 hours

### **MODE BUTTON**

The unit can be set to five different operating modes: HEAT, COOL, DRY, FAN ONLY and AUTO.

**NOTE:** AUTO MODE has fixed setpoints of 68° F heating and 78° F cooling, which are not adjustable. The system will automatically select heating or cooling to maintain room temperature within this band.

### **SLEEP MODE**

The Crown offers four selectable sleep modes for your comfort. The unit will automatically adjust the room temperature during your sleep time. This slight change in temperature will not affect your comfort level due to the natural effects that sleeping has on the body, but it will save on energy consumption and will lower electric bills.

### **X-FAN MODE**

When operating in humid areas, Crown has a Dry Coil function that will allow the indoor fan to run for a pre-determined amount of time after the unit is turned off (cooling or dry modes) to ensure that additional moisture is removed from the coil.

### **FAHRENHEIT °F / CELSIUS °C**

The remote controller and Crown indoor wall unit displays can be set to display in either °F or °C.

### **LOCK MODE**

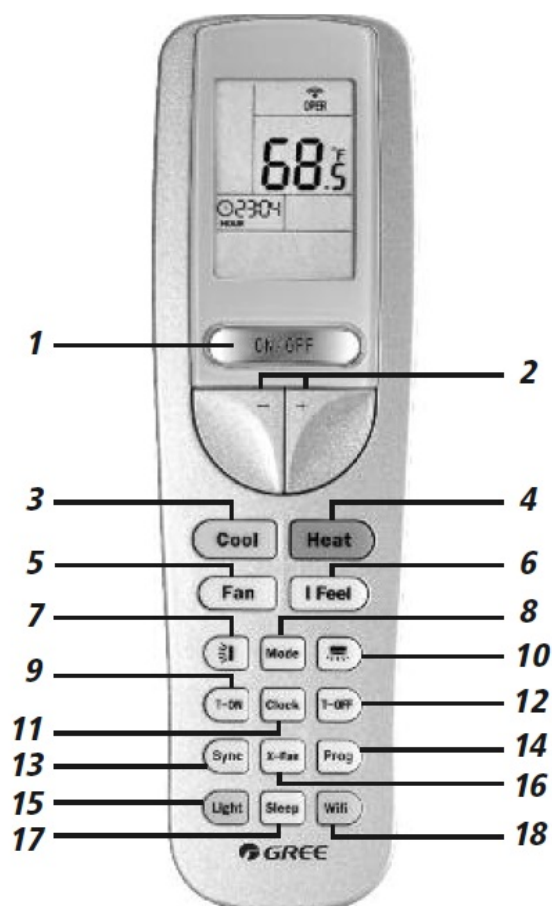
The wireless remote controller has a Lock feature. The Lock averts unauthorized access or tampering with system settings.

### **AGENCY LISTINGS**

All systems are listed with AHRI (Air Conditioning, Heating, and Refrigeration Institute) and are ETL certified per UL Standards

### **OPERATION OF WIRELESS REMOTE CONTROLLER**

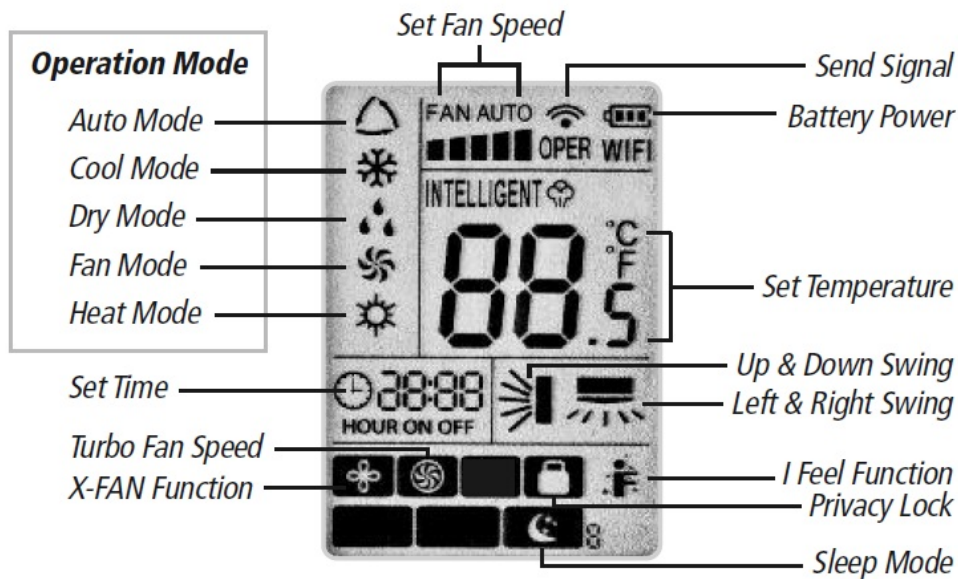
## REMOTE CONTROLLER



### Part Name

1. ON/OFF Button
2. +/- Button
3. Cool Button
4. Heat Button
5. Fan Button
6. I Feel Button
7. Up & Down Swing Button
8. Mode Button
9. Timer-On Button
10. Left & Right Swing Button
11. Clock Button
12. Timer-Off Button
13. Sync Button
14. Prog Button
15. Light Button
16. X-Fan Button
17. Sleep Button
18. WiFi Button

## INTRODUCTION FOR ICONS ON DISPLAY SCREEN



## OPERATION OF WIRELESS REMOTE CONTROLLER MATCHING INSTRUCTIONS

The Crown models require the wireless remote controller to be matched to the indoor wall unit before beginning any operations, otherwise, the Crown indoor wall unit will not accept commands from the remote controller. Follow the instructions below to automatically match the remote controller to the Crown indoor wall unit:

1. Turn on electrical power to the Crown indoor and outdoor units. The Crown indoor wall unit will power up in Off (or Standby) mode.
2. Hold the remote controller 5 to 6 feet from the Crown indoor wall unit.
3. Point the remote controller at the Crown indoor wall unit and press the "Sync" button for 3 seconds.
4. The Crown indoor wall unit will provide 3 beeps to signal a successful match.
5. Press the Power ON button on the remote controller. The green indicator light will display on the Crown indoor wall unit.
6. The remote controller is matched and ready for use. If the Crown indoor unit and remote controller fail to match, then check the remote controller batteries, move closer, and repeat the matching process again.

**NOTE:** This is a one-time requirement only. The remote controller and Crown indoor wall unit need to be successfully matched only once. ON Mode Display

## REMOTE CONTROLLER OPERATIONS

The wireless remote controller is sleek, and versatile and allows you to change room temperatures and functions on your Crown system from the palm of your hand. The large LCD display and buttons make it easy to understand and easy to use. The remote controller is set from the factory to display temperatures in °F. If °C is desired, turn the remote controller OFF with the ON/OFF button and then press the "MODE" and "—" buttons on the remote simultaneously for 5 seconds.



*ON Mode Display*

### **ON/OFF BUTTON**

When the system is in OFF mode, the remote controller will display the time and last room setpoint. When you press the ON/OFF button, the unit will start in the last operating mode and room setpoint.

**NOTE:** If the ON/OFF button is pressed too soon after a stop, the compressor will not start for 3 to 5 min. due to the inherent protection against frequent compressor cycle

### **LOCK MODE**

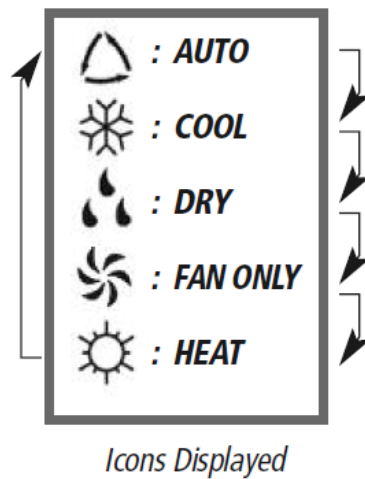
The Privacy Lock prevents unauthorized access to the unit controls and prevents tampering with system settings. The remote controller can be locked by pushing the "+" and "-" buttons simultaneously for 5 seconds. The Privacy Lock icon will be displayed on the remote controller. Repeat the process to unlock the remote controller.



*Privacy Lock Display*

### **MODE BUTTON**

Use the "MODE" button to select one of the available modes. The selected mode will be displayed on the remote controller and the appropriate light will illuminate on the front display panel.



**AUTO** – The unit will automatically select heating or cooling to maintain room temperature between 68°F and 77°F. The remote controller will display the Auto Mode icon with no setpoint. The front panel display will show “77.”

**COOL** – To cool to the selected setpoint and remove moisture. The system varies compressor speed to maintain the desired temperature.

**HEAT** – To heat to selected room setpoint. The system varies compressor speed to maintain desired room temperature.

**FAN ONLY** – To circulate air without heating or cooling. Use the Fan Speed button to select a speed from low to high.

**DRY** – Select DRY MODE to increase moisture removal during warm humid conditions.

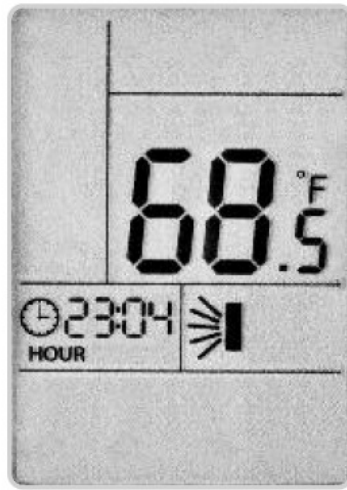
1. If the Room Temperature is more than 4°F above the set temperature, the system will be operating in cooling mode with low fan speed.
2. If the Room Temperature is between 4°F higher than, and 4°F less than, the set temperature, the system will cycle 6 minutes ON and 4 minutes OFF in cooling mode. The indoor fan will be at low speed.
3. If the Room Temperature is more than 4°F below the set temperature, the system will be OFF and the indoor fan will be at low speed.

## OPERATION OF WIRELESS REMOTE CONTROLLER

### VERTICAL SWING LOUVERS

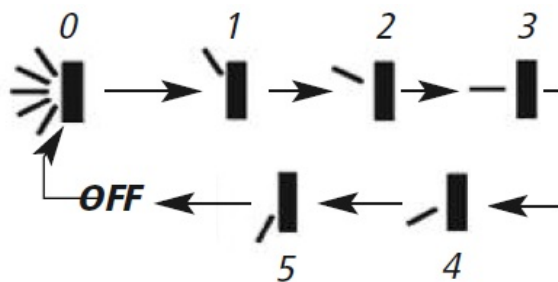
Press the Vertical Swing Louver button to select five different vertical (up & down) air discharge directions including Continuous Sweep.





*Vertical Louver Display*


The Swing Louver icon will be displayed. Press this button to set the swing angle, which changes in direction as below Indicates the louver swings back and forth in the five directions, as shown.

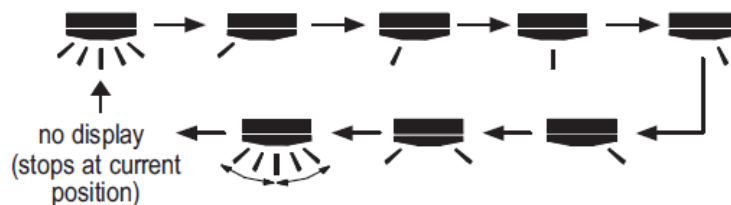


## HORIZONTAL SWING LOUVERS



*Horizontal Louver Display*

Press the Horizontal Swing Louver  button to select five different horizontal (left & right) air discharge directions including Continuous Sweep. The Horizontal Swing Louver icon will be displayed. Press this button to set the swing angle, which changes in the direction below



## SLEEP MODE

The Crown system will automatically adjust room temperature during your sleep time. This slight change in temperature will not affect your comfort level due to the natural effects that sleeping has on the body, but it will save on energy consumption and will lower your electric bill. The Crown System has four Sleep Modes to select from. Press the SLEEP button to select Sleep 1, Sleep 2, Sleep 3, Sleep 4 modes or Cancel. The SLEEP icon



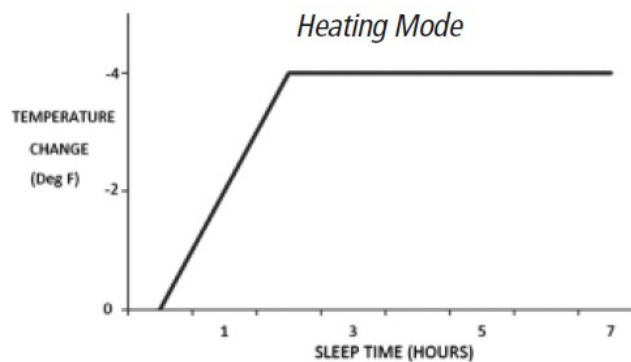
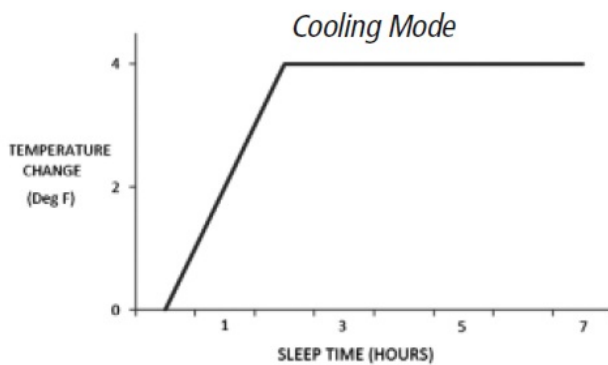
will appear



*Sleep Mode Display*

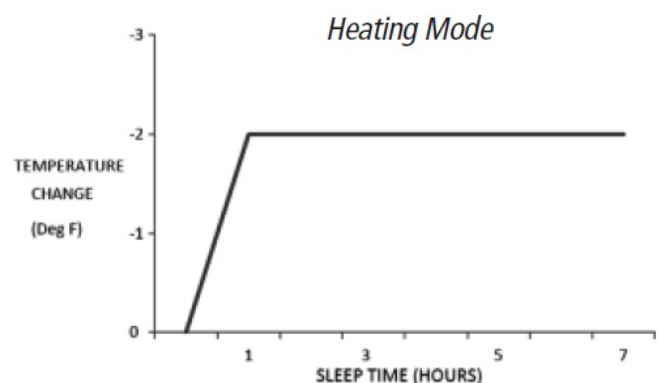
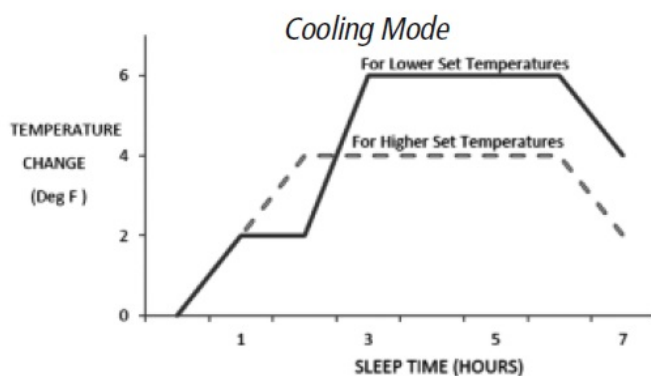
## TRADITIONAL MODE – SLEEP 1

In Traditional Mode the unit will slowly relax the room set temperature by up to 4° F until Sleep Mode is canceled.



## EXPERT MODE – SLEEP 2

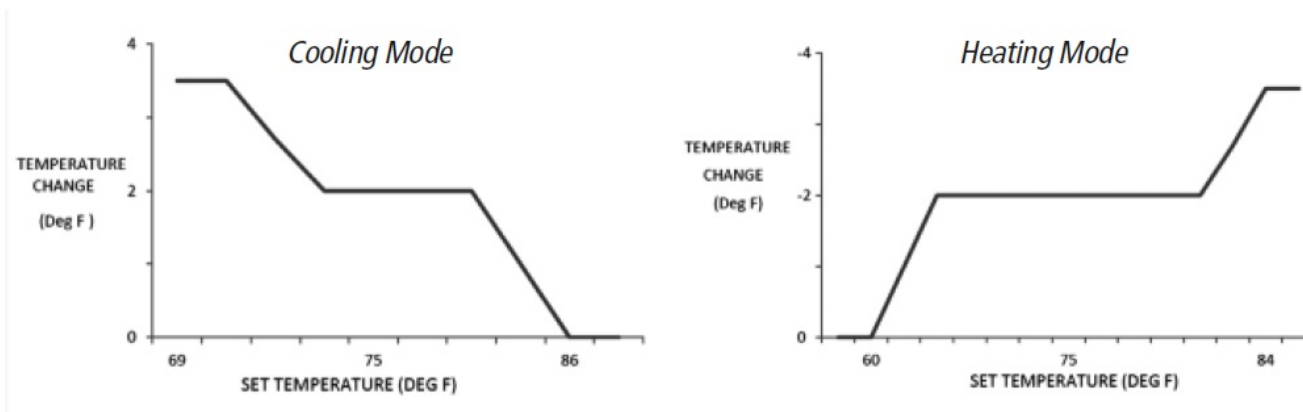
In Expert Mode the unit will adjust the room set temperature at a rate based on the starting set temperature value. Sleep Mode will continue until canceled



**NOTE:** During this procedure, if no button is pressed within 10 seconds, the remote controller will automatically exit the sleep curve setting and resume the original display. If ON/OFF, MODE, TIMER, SLEEP, COOLING or HEATING button is pressed during the setting or inquiry procedure, the remote controller will also exit the sleep curve setting.


#### SIESTA MODE – SLEEP 4

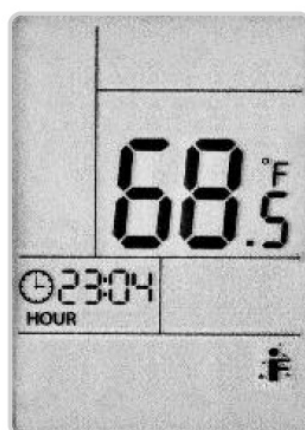
In Siesta Mode the Crown System will automatically change the room temperature every 30 minutes based on the room temperature setting. Sleep Mode will continue until canceled



**NOTE:** Sleep function will be disabled if the air conditioner is restarted after a power failure; Sleep function can not be set in AUTO mode.

#### I FEEL MODE

Press this button to use the I FEEL function, and the (  ) icon will be displayed. The unit will sense room temperature at the remote controller instead of at the indoor unit. It then adjusts airflow and temperature accordingly for the ultimate in personal comfort control and energy savings. Press the button again to exit this function. For best performance, keep the remote controller away from heat or cold temperature sources while using this function



*I Feel Mode Display*

#### LIGHT BUTTON


Press this button to turn off the display light on the indoor unit. Press again to turn it back on.

#### WiFi BUTTON

Press and hold this button for three seconds to turn the WiFi function on or off. See the “Operation of Smart Control” section for more information.

#### X-FAN MODE

When operating in humid areas, the unit has a DRY COIL function called X-Fan that will allow the indoor fan to run for a pre-determined amount of time after the unit is turned off (cooling or dry modes) to ensure that additional

moisture is removed from the coil. Push the “X-FAN” button to enable this feature. The X-FAN icon  will be displayed on the remote controller. To deactivate this feature, push the “X-FAN” button again.



*X-Fan Mode Display*

## DISPLAYING SETPOINT ON THE FRONT PANEL




*Turbo Mode Display*

Only the setpoint temperature will be displayed on the front panel and on the remote controller.

## TURBO MODE

The desired room setpoint can be achieved faster in TURBO mode. After selecting the “HEAT” or “COOL” mode

button, push the “TURBO” button. The TURBO  icon will be displayed on the remote controller and the unit will run at an ultra-high speed. To deactivate the feature, push the “TURBO” button again. The unit will return to normal operation.

## TIMER SETTING



*Timer ON Display*

#### **T-ON button (Timer ON)**

To set when you want the unit to turn On at the end of a selected time period, use the button labeled “T-ON” on the remote controller. Press this button to make the clock icon disappear, replaced with the word “ON” (blinking). Press the “+” or “-” buttons to adjust the timer setting 1 minute at a time. Press and hold “+” or “-” button to set the timer more quickly. Press the “T-ON” button again to confirm the setting, and the word “ON” will stop blinking. To cancel, press the “T-ON” button again.

#### **TIMER SETTING**

##### **T-OFF button (Timer OFF)**

To set when you want the unit to turn Off at the end of a selected time period, use the button labeled “T-OFF” on the remote controller. Press this button to make the clock icon disappear, replaced with the word “OFF” (blinking). Adjust settings the same as with “T-ON” settings.





*Timer OFF Display*

**NOTE:** Under Timer On and Off status, you can set T-ON and T-OFF simultaneously. Before setting the timer, be sure to set the clock to the correct time

#### **CLOCK SETTING**



*Clock Setting Display*

Press this button to set the clock time. “” icon on the remote controller will blink. Within 5 seconds, press “+” or “-” button to set the clock time. With each pressing of “+” or “-” buttons, the clock time will increase or decrease 1 minute. To quickly adjust time setting, press and hold the “+” or “-” buttons for 2 seconds. Release the button when you have reached the desired time setting. Press the “CLOCK” button to confirm the time, and “” icon will stop blinking.








**NOTE:** Clock time adopts 24-hour mode. A 12-hour format is not available. Clock Setting Display Fan Display

#### Timer OFF Display



*Fan Display*

#### FAN BUTTON

Low (  ), Low-Medium (  ), Medium (  ), Medium-High (  ), High (  ), Turbo (  ), Auto and Quiet (  ).

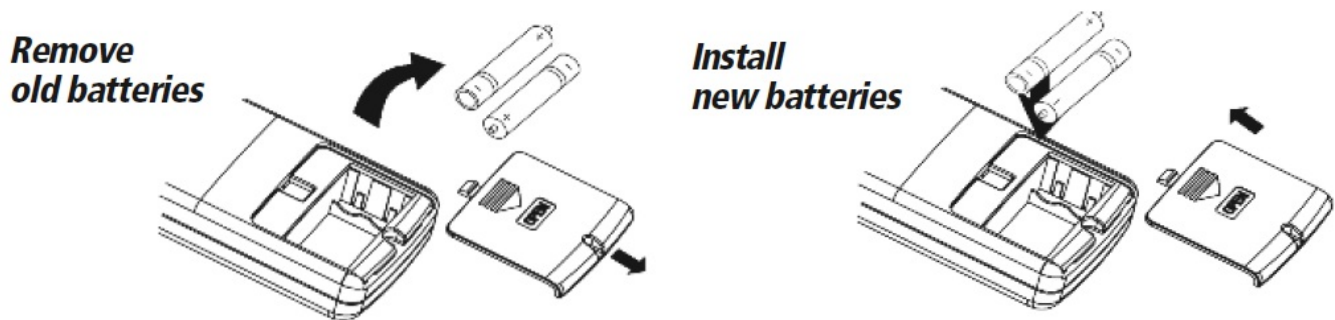


Press the FAN button to adjust the fan circulation indoor speed



**NOTE:** The turbo function is not available in Dry and Auto Modes. The Crown unit will select the proper fan speed automatically according to the ambient temperature

## CHANGING BATTERIES AND ADDITIONAL NOTES



To change batteries, slide cover off the battery compartment on the back of the remote controller. Remove and safely discard old batteries. Insert two new AAA 1.5V dry batteries, using the correct polarity. Reattach the back cover.

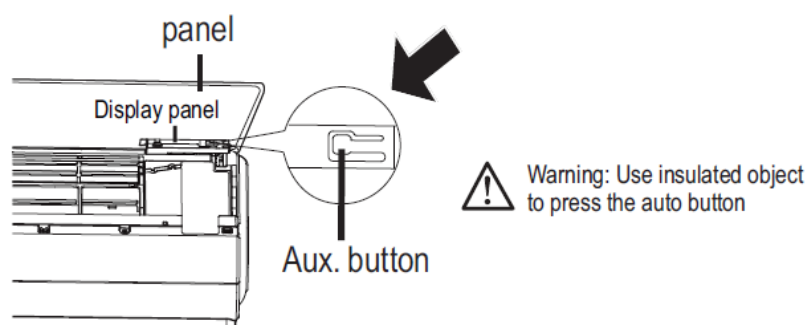
### NOTE

- If the remote controller will not be used for a long time, remove the batteries to prevent leakage damage.
- Be sure to aim the remote controller at the receiver of the main unit when operating.
- When the remote emits a signal, the icon will flicker; a tone will be heard when the unit receives that signal.

## CHANGING BATTERIES

### DAMAGED OR LOST REMOTE CONTROLLER

If the remote controller is lost or damaged, the Crown system can be turned off directly from the indoor unit. Lift the front panel of the indoor wall unit, then press the AUX button to turn on or turn off. When the unit is on, it will operate in AUTO Mode.



### FOR USE WITH YOUR SMARTPHONE

For the ultimate in convenience, your Crown Heat Pump or Air Conditioner features a built-in intelligent WiFi capability and Smart Control function. This allows you to operate the unit through your smartphone. The system is compatible with devices using standard Android or iOS operating systems, and you can connect as many as four separate smartphones. Refer to an application program for the specific version.

**STEP 1.** Download and install Gree-Smart App on your smartphone

**METHOD 1:** Go to [www.gree.com/english/downloadcenter/ihome\\_jsp\\_catid\\_2840.shtml](http://www.gree.com/english/downloadcenter/ihome_jsp_catid_2840.shtml). In the "Download Center," follow the instructions to download the "G-Life" Application.



**METHOD 2:** Scan this QR code and download the application directly.



**METHOD 3:** Download the “G-Life” Application directly from the Apple App Store (for iOS devices only). After successful installation, the app icon will appear as shown at right:

**NOTE:** The appearance of your device may vary. Please refer to the actual application.

**STEP 2.** Turn on Indoor Wall Unit WiFi Interface Using the remote controller, turn On the Crown System (making sure the remote controller is matched). Press and hold the “WiFi” button on the remote controller for at least 5




seconds. WiFi  icon will display when the WiFi function is on.

**STEP 3.** Connect Crown System to your smartphone/ tablet PC Enter the WiFi setting of your phone and search for the wireless network named gree-xxxxxxx. For example, gree-E9D1.

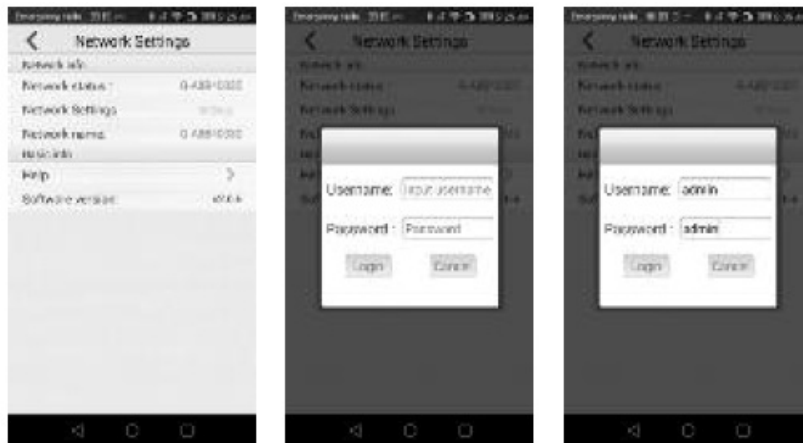
**STEP 4.** Enter password Your default password is 12345 or 12345678

### STEP 5. Get started

Open the application software and click “Refresh.” The system will automatically link with the Crown unit. Touch “ ” to turn On the smart control function.



**STEP 6.** Set the custom network name and password Slide the bottom function bar to the left. Select “Settings,” then select “Network Setting.” Enter user name and password in the “Login” dialog box (the default username and password is admin). Follow prompts to modify name and password, then click “OK” to finish. The software app will revert to the System Controller screen.



**STEP 7.** Disconnect from the Network When you want to exit the app and disconnect from the network, enter your phone's WiFi Setting. Find and select the network you just renamed. Enter the password to join – and disconnect from – the network.



**STEP 8.** Re-connect to the Network To re-connect to the Crown System network, repeat steps 3, 4, and 5 using your new network name and password

## COMMON NETWORK SETTING PROBLEMS

If local WiFi control fails, check the following items one by one:

- Make sure electrical power is turned on to the outdoor and indoor units.
- Make sure the WiFi function is turned On as normal
- Make sure your phone's or tablet's WiFi selects the corresponding Crown Indoor Wall Unit
- Reset with the remote controller and then start setting again from step 3
- NOTE: Smartphones or tablets must be used within 25 feet of the Crown Indoor Wall unit.

## TO RESET WiFi MODULE

Turn the Crown unit Off with the remote controller and disconnect the power to the unit. Re-connect power, wait one minute, then press the "WiFi" and "Mode" buttons simultaneously. When the crown unit emits a beep sound, the WiFi module is successfully reset.

**NOTE:** "WiFi", and Mode buttons must be pressed within two minutes, or you will need to repeat the process.

## SMART CONTROL FUNCTIONS

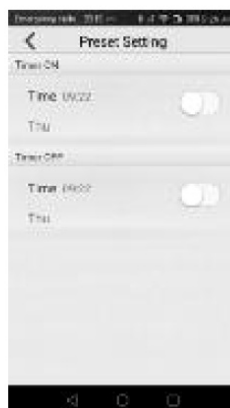
Mode: Select "Auto", "Cool", "Dry", "Fan" or "Heat." See Remote Controller instructions for detailed operation of these modes. Temperature: The room temperature setting can be selected by scrolling to the desired room temperature icon. Fan Speed: Fan Speed can be adjusted by selecting the fan icon and then selecting the speed. See Remote Controller instructions for detailed operation



## OPERATION OF SMART CONTROL



## SOFTWARE FUNCTIONS



Timer On/Off: Set the Timer On or Off function by selecting the Preset icon. Then move the slider to the right to select either Timer On or Off. Scroll to the desired time period and press Save. See Remote Controller instructions for more details.

## NOTE



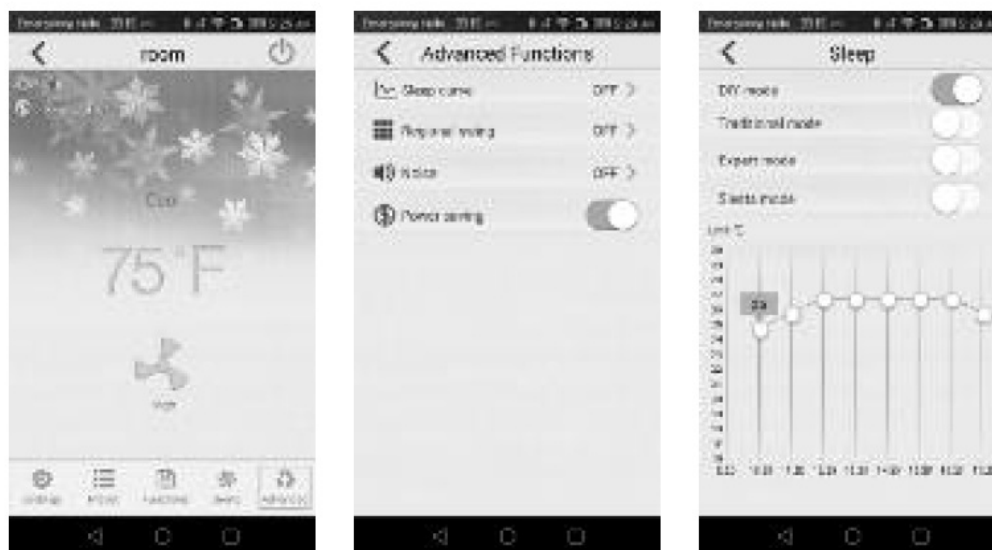
In the Settings interface, you can turn On or Off the various functions and control settings for the various modes. See Remote Controller instructions for details.

## Swing Louvers



This allows you to adjust up/down and left/right swing. Adjust Swing Louvers by selecting the Swing icon. Then select the desired swing louvers positions.

## Sleep Mode



Set Sleep Mode by selecting the Advanced icon. Sleep Curve: This includes DIY mode, Traditional mode, Expert mode, and Siesta mode. Under DIY mode, you can set temperature and time. Sleep modes cannot be used with Auto mode or Fan Only mode. See Remote Controller instructions for detailed operation of the Sleep modes

## Regional Swing



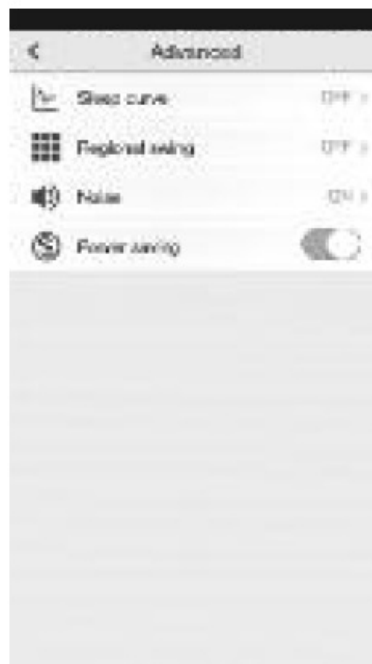
Press the “Airflow position” button to adjust the fan coverage of a specific room area. Control this by moving the air conditioner icon left or right. You can then move the person icon among nine pane areas. The Regional Swing function can be turned off through up/downswing. (Up/down swing is only operational in cooling and heating modes.) There is also an “Avoid People” function, which can be turned on or off as desired.

## Noise Function



This will control the sound level of the indoor unit. Select "Noise" to enter the Noise setup screen. Set the desired noise level in Cooling. Then select the desired noise level in the Heating. The Crown System will automatically adjust the fan speed according to the selected noise setting.

## Power Saving



In this mode, the unit will automatically detect indoor and outdoor temperatures and will adjust frequency, fan speed, and temperature for maximum energy savings. Use the slider to activate the "Power Saving" Mode.

## TROUBLESHOOTING

PROBLEM	CAUSE/SOLUTION
System does not restart.	<p><b>Cause:</b> The system has a built-in three-minute delay to prevent short and/or rapid cycling of the compressor.</p> <p><b>Solution:</b> Wait three minutes for the protection delay to expire.</p>

Indoor unit emits unpleasant odor when started	<p><b>Cause:</b> Typically unpleasant odors are the result of mold or mildew forming on the coil surfaces or the air filter.</p> <p><b>Solution:</b> Wash indoor air filter in warm water with mild cleaner. If odors persist, contact a qualified service professional to clean the coil surfaces.</p>
You hear a “water flowing” sound.	<p><b>Cause:</b> It is normal for the system to make “water flowing” or “gurgling” sounds from refrigerant pressures equalizing when the compressor starts and stops.</p> <p><b>Solution:</b> The noises should discontinue as the refrigerant system equalizes after two or three minutes.</p>
A thin fog or vapor coming out of the indoor unit when system is running.	<p><b>Cause:</b> It is normal for the system to emit a slight fog or water vapor when cooling extremely humid warm air.</p> <p><b>Solution:</b> The fog or water vapor will disappear as the system cools and dehumidifies the room space.</p>
You hear a slight cracking sound when the system stops or starts.	<p><b>Cause:</b> It is normal for the system to make “slight cracking” sounds from parts expanding and contracting during system starts and stops.</p> <p><b>Solution:</b> The noises will discontinue as temperature equalizes after 2 or 3 minutes.</p>
The system will not run.	<p><b>Cause:</b> There are a number of situations that will prevent the system from running.</p> <p><b>Solution:</b> Check for the following:</p> <ul style="list-style-type: none"> <li>• Circuit breaker is “tripped” or “turned off.”</li> <li>• Power button of remote is not turned on.</li> <li>• Batteries in the remote controller are low.</li> <li>• Remote controller is in sleep mode or timer mode.</li> <li>• Otherwise, contact a qualified service professional for assistance.</li> </ul>
The unit is not heating or cooling adequately.	<p><b>Cause:</b> There are a number of reasons for inadequate cooling or heating.</p> <p><b>Solution:</b> Check the following:</p> <ul style="list-style-type: none"> <li>• Remove obstructions blocking airflow into the room.</li> <li>• Clean dirty or blocked air filter that is restricting airflow into the system.</li> <li>• Seal around door or windows to prevent air infiltration into the room.</li> <li>• Relocate or remove heat sources from the room.</li> </ul>
Water leakage from the outdoor unit.	

PROBLEM	CAUSE/SOLUTION
Water leaking from the indoor unit into the room.	<p><b>Cause:</b> While it is normal for the system to generate condensate water in cooling mode, it is designed to drain this water via a condensate drain system to a safe location.</p> <p><b>Solution:</b> If water is leaking into the room, it may indicate one of the following.</p> <ul style="list-style-type: none"> <li>• The indoor unit is not level right to left. Level indoor unit.</li> <li>• The condensate drain pipe is restricted or plugged. All restrictions must be removed to allow continuous drainage by gravity.</li> <li>• If problem persists, contact a qualified service professional for assistance.</li> </ul>
Wireless remote controller does not work.	<p><b>Cause:</b> There are a number of possible reasons</p> <p><b>Solution:</b> Check the following:</p> <ul style="list-style-type: none"> <li>• The batteries might be low. Change the batteries.</li> <li>• The remote controller must be within 25 ft. (7.5 m) with no obstructions of the indoor unit. If remote controller needs to be replaced, contact a qualified service professional for assistance. In the meantime, use the Aux Button to operate the system.</li> </ul>
The unit will not deliver air.	<p><b>Cause:</b> There are a number of system functions that will prevent air flow.</p> <p><b>Solution:</b> Check for the following:</p> <ul style="list-style-type: none"> <li>• In heating mode, the indoor fan may not start for three minutes if the room temperature is very low. This is to prevent blowing cold air.</li> <li>• In heat mode, if the outdoor temperature is low and humidity is high, the system may need to defrost for up to 10 minutes before beginning a heating cycle.</li> <li>• In dry mode, the indoor fan may stop for up to three minutes during the compressor off delay.</li> <li>• Otherwise, you should contact a qualified service professional for assistance.</li> </ul>
Moisture or condensation on the discharge air louvers or outlet vents.	<p><b>Cause:</b> It is normal for the system to develop condensation or moisture on the discharge air louvers when cooling warm humid air for a long period of time.</p> <p><b>Solution:</b> The condensation or moisture will disappear as the system cools and dehumidifies the room space.</p>

## FAQS

### Q: What is the function of the buttons on the AC remote?

**A:** It controls a wide selection of different aircon modes – The AC remote also contains a host of different mode buttons that all contribute to how an aircon operates — from temperature levels to cooling intensity. A standard AC remote would usually contain the cool mode, heat mode, dry mode, auto mode, and fan mode.

### Q: Which controller is used in the air conditioner?



**A:** HVAC controllers are used to monitor and control the performance of heating, ventilation, and air conditioning systems (HVAC) in buildings. They monitor indoor environmental factors such as humidity and temperature and control heating and cooling to achieve and maintain desired levels.

**Q: How does an air conditioner controller work?**

**A:** How air conditioner remote controls work. Most air conditioner remote controls rely on infrared technology (IR). A remote control emits pulses of infrared light and those pulses are detected by a receiver, usually situated on the air conditioning unit itself. The infrared beams of light are invisible to the naked eye.

**Q: What do the symbols on the air conditioner remote mean?**

**A:** Making sense of air conditioner symbols New symbols mean new settings to learn. The Sun: used for warm air or heat mode. The Snowflake: used for cold air or cool mode. The Raindrop: used for dry mode. This should be used when the conditions are humid, and temperatures are mild.

**Q: Which mode is coldest in AC?**

**A:** Cool Mode. This is the setting most of us associate with air conditioners. In this mode, your air conditioner turns on the compressor and pushes cold air into the room.

**Q: What is the clean button on AC remote?**

**A:** The auto-clean function automatically cleans and dries the inside of the air conditioner indoor unit .

**Q: What is the temp in AC remote?**

**A:** Temperature Control The temperature control button is represented by the up and down arrow buttons on the AC remote. As the name suggests, this button helps you to control the temperature of the air conditioner at your convenience.

**Q: What is air conditioner settings?**

**A:** Typically, most AC units have four fan speed settings; low, medium, high, and auto. The auto setting will regulate the fan speed in line with the current temperature in the room and your desired temperature settings to ensure you have a consistent indoor temperature.

**Q: What is C and F in AC remote?**

**A:** To switch between Celcius (°C) and Fahrenheit (°F), and vice versa, press and hold the SET button for 3 seconds. Remote displays and features can vary depending on the product model.

**Q: How many types of switches are there?**

**A:** Generally, there are two types of switches that are used in an electrical circuit: Electrical switches: These work under the influence of semiconductors. Mechanical switches: These require manual contact with the switch for operation and are classified into various types depending upon the pole.



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