

# ClimateRight®

## Owner's Manual



**CR2500ACH**

**CR5000ACH**

Portable Heating and Air Conditioning Unit

Version 02

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**For Your Notes:**

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## 1. SAFETY INSTRUCTIONS

### CAREFULLY READ THESE INSTRUCTIONS BEFORE USING



**ATTENTION: THIS UNIT CONTAINS REFRIGERATION AND OIL. THIS UNIT MUST SIT UPRIGHT AND UNPLUGGED FOR 24 HOURS AFTER RECEIPT OR WARRANTY WILL BE VOIDED AND UNIT MIGHT BE DAMAGED OR FAIL PERMANENTLY**

- For safety purposes, the information in this manual must be followed to minimize the risk of fire, electric shock or personal injury.
- Use this appliance only for its intended purpose as described in this Owner's Manual.
- This air conditioner must be properly installed in accordance with the Installation Instructions before it is used.
- Turn the unit OFF and unplug from power source before any maintenance or cleaning.
- Any servicing beyond cleaning must be performed by a qualified individual. Failure to comply may void the warranty.
- DO NOT store or use combustible materials, gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.
- This product contains refrigerants. As required by federal law, refrigerants must be removed prior to disposing of this product. To dispose of this product, contact the local waste disposal service to ensure safe and proper disposal according to federal, state and local laws.

- Save these instructions.
- For additional FAQ's, please visit [www.climaterightair.com](http://www.climaterightair.com) for the most up to date information.

### SAFETY PRECAUTIONS



- Do not use the unit if the power cord is frayed, cracked or otherwise damaged. A damaged power cord must be replaced with a new power cord obtained from the manufacturer and not repaired. **Contact ClimateRight for repair and replacement details.**
- Never unplug the unit by pulling on the power cord. Always grip plug firmly and pull straight out from the receptacle.
- Connect to a properly grounded 120V outlet. Do not remove the ground prong. The power outlet must be easily accessible and located within the length of the power cord supplied with the unit.
- This unit is designed to be used outdoors. When plugging the unit into an outdoor outlet, the outlet must be a GFCI outlet and have a weatherproof while-in-use receptacle cover.
- The unit should be plugged into its own circuit. If other devices are plugged into the same circuit, the fuse or breaker may trip due to excessive amperage draw.
- Internal parts of the unit may get hot such as the condenser, compressor and copper piping. Do not remove the outer cover and touch these parts.
- There are moving parts inside the unit. Do not put any body part inside of the unit.

## **USE OF EXTENSION CORDS**

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Use of an extension cord is not recommended. Using an extension cord could prevent the unit from operating normally and could potentially pose a fire and safety risk. It is recommended that unit is located near a 3-prong 120V GFCI outlet. If one is not near, one should be installed by a qualified electrician.

**For Your Notes:**

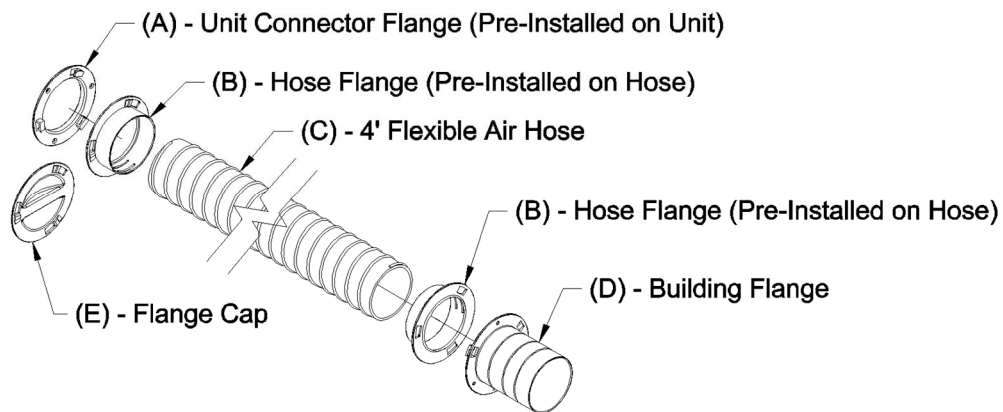
## 2. PACKAGE CONTENTS

### INCLUDED ITEMS

- (1) ClimateRight® Air Conditioning and Heating Unit
- (1) Remote Control
- (2) AAA batteries
- (1) Owner's Manual
- (1) Installation Guide

#### Quick Connect Hose System

- (2) ClimateRight® Unit Connector Flanges (Pre-mounted to ClimateRight®)
- (2) 4' Flexible Air Hose
- (4) Hose Flanges (Pre-mounted to Hoses)
- (2) Building Flanges
- (4) Flange Caps



## UNIT FEATURES

### 3. SPECIFICATIONS

For Your Notes:

	CR2500	CR5000
Rated Cooling Capacity	2500 BTU	5000 BTU
Rated Heating Capacity	2700 BTU	4300 BTU
Rated Cooling Input	480W	700W
Rated Cooling Current	4.3A	6.2A
Rated Heating Input	800W	1200W
Rated Heating Current	6.9A	9.5A
Air Flow Volume	120 CFM	152 CFM
Rated Voltage	115V/60HZ	115V/60HZ
Max. Current	7.0A	10A
Refrigerant Gas	R134a (200g)	R410a (300g)
Max. Working Pressure	290 PSI	653 PSI
Min. Working Pressure	15 PSI	44 PSI
Diameter of Duct	3.3"	3.3"
Unit Size	14.1" x 17.1" x 14.5"	14.1" x 18" x 15.1"
Pack Size	16.9" x 23.8" x 15.8"	17.2" x 24.3" x 16.5"
Unit Weight	46 lbs.	55 lbs.
Waterproof Class	IPX4	IPX4
Recommended Generator	2000W minimum	2000W minimum

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## 4. INSTALLATION

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Please refer to the installation guide.

The installation guide, along with other resources can be found at [www.climaterightair.com](http://www.climaterightair.com).

**For Your Notes:**

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## 5. REMOTE CONTROL

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### INSTALLING BATTERIES

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To Insert the Batteries in the Remote Control:

1. Remove the battery cover by sliding it according to the arrow direction.
2. Insert two new AAA alkaline batteries, matching the (+) and (-) of the battery to the orientation in the battery compartment.
3. Reattach the cover by sliding it back into position.

**Important Notes:**

- Remove the batteries from the remote control if the system is not going to be used for an extended period of time.
- This is an IR (Infrared) remote and requires line of sight to control the unit. Make sure there are no obstructions between the remote and signal receiver located on the display panel of the unit.
- The ClimateRight Unit operates exclusively through the remote control. There are no push button controls on the unit.
- If the remote control is lost, please contact ClimateRight® to order a replacement.

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### I/O BUTTON (ON/OFF)

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Starts or Stops the Unit

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### MODE BUTTON

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Selects the functions of the unit for:

- a. Fan Mode
- b. Air Conditioning Mode
- c. Heating Mode
- d. Dehumidifying Mode (Dry)
- e. Auto Mode

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### FAN BUTTON

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- a. High
- b. Medium
- c. Low
- d. Auto

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### TEMPERATURE [+/-]

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Select the desired temperature by pressing either + or – key when using the unit in cooling, heating or Auto function. The LCD will display the desired temperature during the setting. The LCD displays room temperature when it is not at temperature setting mode.

The LCD display either in Celsius or Fahrenheit. Press the temperature + and – keys simultaneously to change the display from Celsius to Fahrenheit and vice versa.



## HOUR/MIN

Use the Hour and Min buttons to set the clock and timer.

To set clock: Press and hold either Hour or Min button until the time at the bottom right of the LCD screen begins to flash. Once the time begins to flash, press the hour or min key until the current time has been set. The clock will display as a 24-hour clock. After a few seconds of inactivity, the clock will stop flashing and is now set.

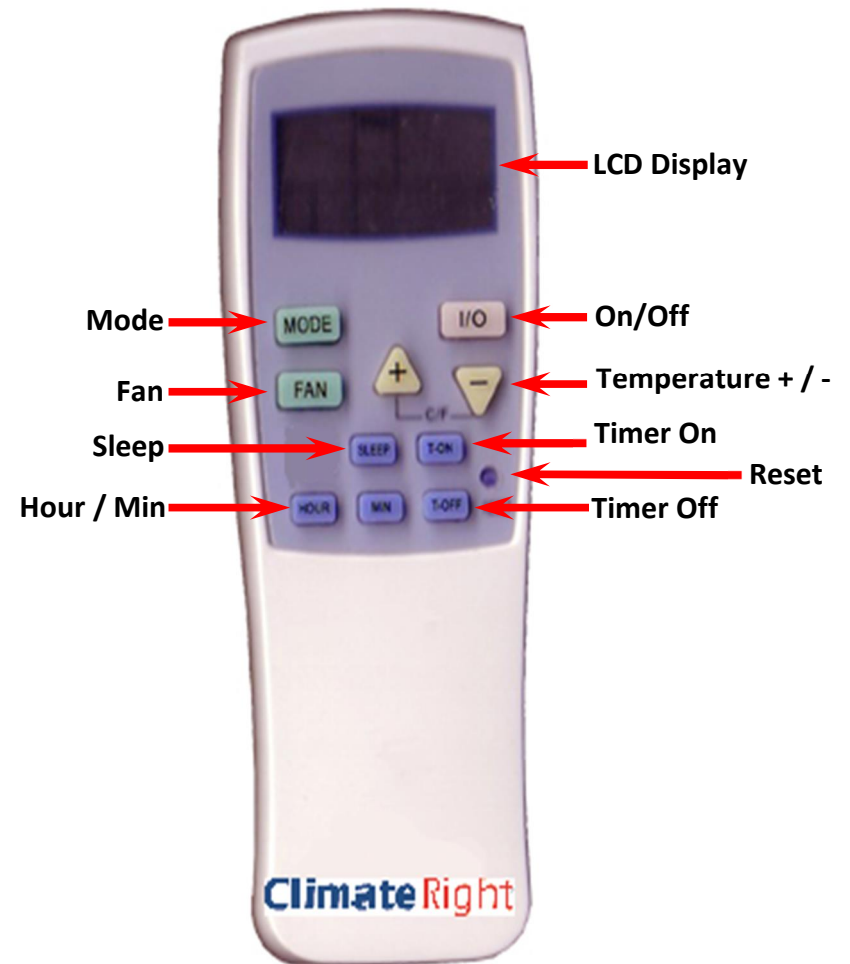
The clock can also be reset by pressing down the reset button for a few seconds then releasing it. The display will then reset and the clock can be set.

## T-ON AND T-OFF (TIMER)

The T-On and T-Off buttons set the unit to turn on and off at a pre-determined time.

## RESET BUTTON

Pressing and holding the reset button will return the remote to its default settings. The clock will also be reset.



## 6. MODE AND FAN OPERATION

### AUTO MODE

Turn the unit on by pressing the I/O button on the remote control.

Press the Mode Button until the "AUTO" appears on the LCD display.

Select the fan speed by using FAN button.

During the AUTO mode, the unit operates at heating mode when the room temperature is below 68 degrees. It operates dehumidifying mode when the room temperature is between 68 and 80 degrees. It operates at cooling mode when the room temperature is above 80 degrees. The timer may be used with the AUTO mode.

### COOL MODE

Turn on the unit by pressing the I/O Button on the remote control.

Press Mode Button until "Cool" appears on the LCD display

Press the + / - Temperature button until the desired room temperature appears on the LCD. The temperature ranges from 61°F-88°F (16°C-31°C).

Select the fan speed by pressing the Fan Button.

The fan will continue to operate once the temperature reaches the set temperature.

NOTE: During hot days, the unit will cool off the room most efficiently by setting the temperature at the lowest and the fan speed at the highest. Reducing the length of the outlet duct and insulating the outlet duct and keeping direct

sunlight to a minimum will also improve the cooling efficiency.

NOTE: If the air conditioner is off and is then turned on while set to a Cool setting or if turned from a fan setting to a Cool setting, it may take approximately 3 minutes for the compressor to start and cooling to begin.

### DRY (DEHUMIDIFYING) MODE

Turn on the unit by pressing the I/O button on the remote control.

Press the Mode Button until the "DRY" appears on the LCD display.

NOTE: The unit operates at low fan speed during dehumidifying. The unit cools room slightly during the dehumidification.

Keep the windows and the doors closed to aid the effectiveness of the unit in removing the moisture from the room.

NOTE: The unit will not perform dehumidification when the room temperature is lower than 61 degree.

### FAN MODE

Turn on the unit by pressing the I/O button on the remote control.

Press the Mode Button until "FAN" appears on the LCD display.

Select the fan speed by pressing the Fan Speed Button.

The HIGH, MED and LOW fan speeds can be chosen for the following modes: AUTO, COOL, FAN and HEAT. Only the LOW fan speed is available for DRY mode.

## HEAT MODE

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Turn on the unit by pressing the I/O button on the remote control.

Press the Mode Button until "HEAT" appears on the LCD display.

Press the +/- Temperature button until the desired room temperature appears on the LCD. The temperature ranges from 61°F - 88°F (16°C - 31°C).

Select the fan speed by pressing the Fan Speed Button. It is recommended to use a low fan setting.

The fan will continue to operate once the temperature reaches the set temperature.

## SLEEP

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Turn on the unit by pressing the I/O button on the remote control.

Press SLEEP to enter into sleep mode

The fan motor of unit runs in low speed

When in cooling mode, within the first two hours, the temperature will be increased 1°F per hour. Then temperature will stay at 2°F higher than the original temperature for 8 hours. After 8 hours, the temperature will return to original temperature.

When in heating mode, within the first two hours, the temperature will be decreased 1°F per hour. Then temperature will stay at 2°F lower than the original temperature for 8 hours. After 8 hours, the temperature will return to the original temperature.

When in dehumidify mode, the temperature will not be changed.

## TIMER FUNCTION

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To set the timer to turn the unit On or Off: Press the "T-On" key, the clock and the word "ON" will begin to flash. Press the Hour and Min buttons until the desired on time has been reached. After a few seconds of inactivity, the clock will stop flashing and the timer will be set.

To set the timer to turn off, repeat the same steps with the "T-Off" key.

Note: Timer can only be set in 10 minute increments.

## POWER OUTAGE RECOVERY FEATURE

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In the case of a power outage or interruption, the unit will automatically re-start in the settings last used after the power is restored. If the Delay 1–24hr feature was set, it will resume countdown. If desired, a new time may be set.

## MAINTENANCE:

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## For Your Notes:

The ClimateRight® climate control unit is a low maintenance product and does not require much attention if used in normal environments. However, two components will require periodic cleaning to ensure maximum heating and cooling efficiency.

Failure to properly care for the ClimateRight® unit as mentioned above will result in a voided Warranty.

### FILTERS

The removable mesh filter installed at the air inlet will accumulate debris over time. Remove and clean the filter monthly. If the unit is located in an area with lots of dirt, debris and pet fur, check and clean the filter weekly.

### CONDENSER

The condenser is located on the side of the unit with the open grid. If the cooling capacity of the unit becomes degraded, the condenser fins may be dirty. Debris on the fins will not allow the refrigerant to cool properly.

Use a garden hose with a spray nozzle set on a gentle setting to rinse away dirt and debris.

### EVAPORATOR

If the unit is installed in a location with lots of dirt, debris and pet fur, the air filter may not screen all contaminants from the air. If the evaporator becomes heavily soiled with debris, it may be necessary to clean the evaporator.

To clean the evaporator, carefully remove the sheet metal surrounding the top and sides of the unit. Use a soft bristle brush, such as a paint brush to gently brush away the debris from the evaporator fins. DO NOT use a metal wire brush as this will damage the fins and could puncture the refrigerant tubes.

## 7. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	WHAT TO DO
Air conditioner does not start.	The air conditioner is unplugged.	Check that the air conditioner plug is inserted completely into the outlet.
	The fuse is blown or the circuit breaker has been tripped.	Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	Power failure.	The unit will automatically re-start in the settings last used after the power is restored.  There is a protective time delay (approximately 3 minutes) to prevent tripping of the compressor overload. For this reason, the unit may not start normal cooling for 3 minutes after it is turned back on.
Water builds up in unit.	Clogged drain hole	Check the drain hole and unclog if it is blocked. Make sure the unit is on a level surface.

PROBLEM	POSSIBLE CAUSES	WHAT TO DO
Air conditioner does not cool as it should.	Airflow is restricted.	Make sure there are no obstructions blocking the supply or return air vents.
	The temp control may be set too high.	In the Cool mode, press the Decrease (.) button.
	The air filter is dirty.	Check and clean the filter at least every 30 days.
	The condenser is dirty.	Use a hose and nozzle set to the gentle setting to gently rinse debris out of the condenser fins.
	Space not cooling quickly.	Allow up to 24 hours for the unit to cool down the space.
The remote control is not working.	The batteries are inserted incorrectly.	Check the position of the batteries. They should be inserted in the opposite (+) and (-) direction.
	The batteries may be dead.	Replace the batteries.

## **NORMAL OPERATING SOUNDS**

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- The thermostat may click when the compressor cycles on and off.
- Fan
- Control Beep

**For Your Notes:**

**For Your Notes:**

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## 8. LIMITED WARRANTY

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To view the ClimateRight® Limited Warranty statement,  
please visit [www.climaterightair.com](http://www.climaterightair.com).

**For Your Notes:**

**On the Internet:**

The most recent information about ClimateRight can be found at ***[www.climaterightair.com](http://www.climaterightair.com)***

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