

## EVAPORATIVE AIR COOLER

# USER MANUAL



OUR COMPLETE LINE



9052 Long Point • Houston, TX 77055  
888.827.1675 • [info@coolazone.com](mailto:info@coolazone.com)  
[Facebook.com/CoolAZone](https://www.facebook.com/CoolAZone) • [Twitter.com/CoolAZone](https://www.twitter.com/CoolAZone)



TABLE OF CONTENT

Table of Contents & How It Works..... 1

Installation & Set-Up..... 2

Dust Screen & Side Panel..... 3

Managing the Water Reservoir..... 3

LCD Button Panel & Remote Control..... 4

Basic Operation & Powering On..... 5

CoolBox Controls ..... 6-7

Using the Timer Feature ..... 8

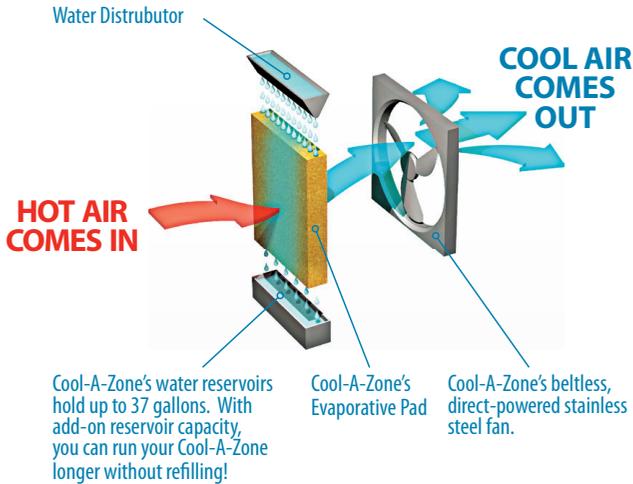
Routine Maintenance..... 8

Basic Troubleshooting ..... 9

Circuit board & Specifications..... 10

Contact Information..... 11

HOW COOL-A-ZONE WORKS



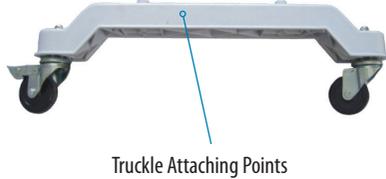
INSTALLATION AND INITIAL SET-UP

If the fan must be placed close to a wall or other obstacle, try to keep a distance of 2 to 3 feet between the wall or obstacle and the face of the cooling pads.

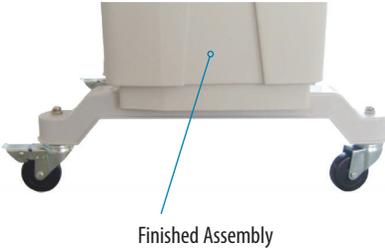
When placing the fan, take the following into consideration:

- A.** Uninterrupted fresh air should be made available to the cooling pad side of the unit for best results.
- B.** Avoid blocking the air output (front) side of the fan. Cool air released from the unit should be able to freely circulate.
- C.** In order to prevent air from being re-circulated, ensure that the area to be cooled is properly ventilated.
- D.** If your CoolBox did not come with the truckles (the wheel assembly legs) attached, please see the below instructions on how to do so.

TRUCKLE UNATTACHED



TRUCKLE ATTACHED



1. Take two sets the Truckles (above left, shown unattached).
2. Use the enclosed ST5×25 bolts to stable the assembled frame to the bottom of the water tank through the attaching points as shown on the left which will line up with corresponding points on the unit.
3. When completed, the finished truckle-body assembly area should look as shown above on the right.

# EVAPORATIVE AIR COOLER

## DUST SCREEN & SIDE PANEL

### ACCESSING THE DUST SCREEN AND SIDE PANEL

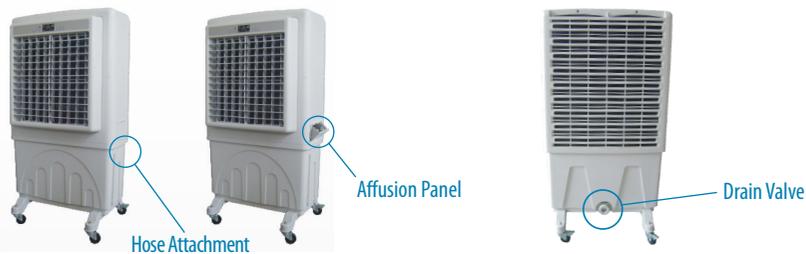
If you need to access the Dust Screen and Side Panel on your CoolBox, follow the instructions below.

Using a Phillips ("crosshair") Screwdriver, as follows:

- Take the eight screws off the dust screen housing as shown in the picture below (left).
- Once the eight screws are removed, gently remove the housing and side panel to access the two (2) dust screens.
- Reverse the steps above and securely replace the housing to again use your Cool-A-Zone CoolBox.



## MANAGING THE WATER RESERVOIR



To fill your Cool-A-Zone CoolBox, simply open the Affusion Panel (above) and fill with water or attach a garden hose to the hose attachment and turn on faucet—the internal float valve will regulate water flow.

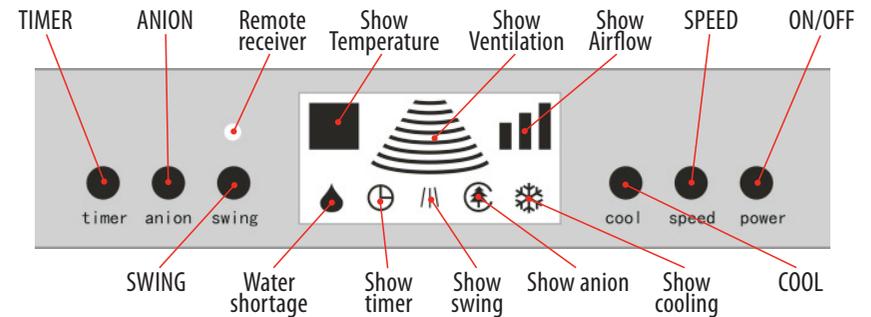
Draining is just as easy: turn the unit off, unplug, then turn the drain valve knob counter clockwise to empty the reservoir.

## LCD BUTTON PANEL

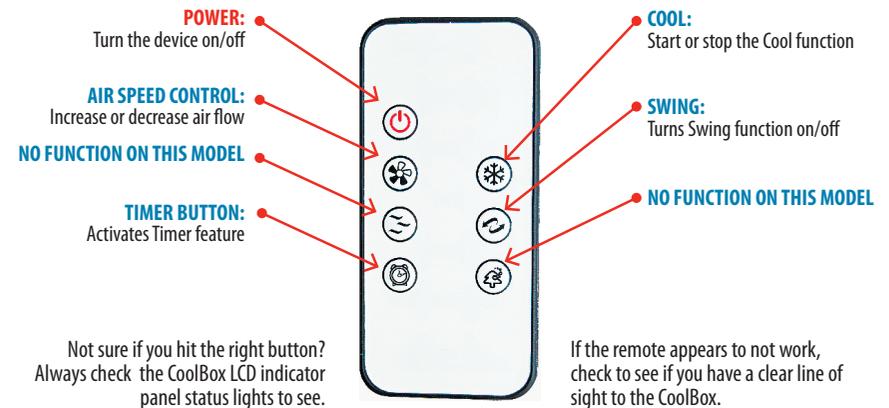
### THE LCD BUTTON PANEL

The Cool-A-Zone CoolBox has a user-friendly and easy-to-use LCD indication panel with one-touch button features for activating, timing, setting, and full control of your CoolBox. The diagram below outlines what the various buttons and indicators mean. Note that the central area (in white below) is an indication panel, whereas the grey area denotes the buttons.

Pages 7 & 8 will go into detail on the various Buttons & Indicators.



## REMOTE CONTROL



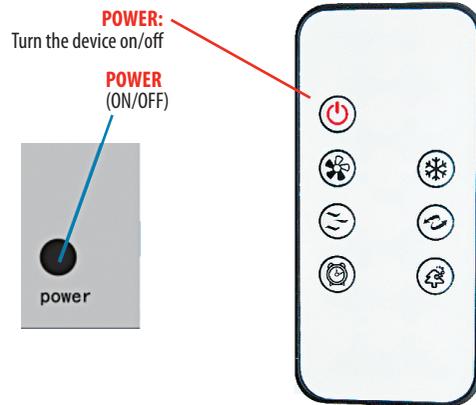
## BASIC OPERATION

### INITIAL OPERATION

After ensuring the unit has adequate water for operation and that your CoolBox has been plugged in, turn the Cool-A-Zone CoolBox on by pressing the power button either on the LCD Panel face or as shown on the remote control on Page 5 of this manual.

**Power Buttons** may be found either on the right of on the right of the LCD Panel or on the Red Button of the remote control.

Before powering up, check the following:  
 - Is the unit level?  
 - Is the unit's air flow unobstructed?



## NOTES ON POWERING "ON"

### TURNING THE COOLBOX ON THE FIRST TIME

The CoolBox Speed will be at Level 2 and the Cool Function will be listed as "On" the first time you power up your Cool-A-Zone CoolBox.

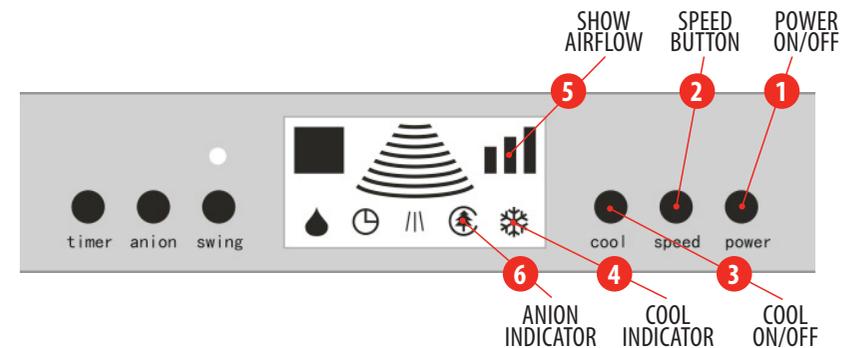
### PRESSING "ON" DURING STANDBY

Turning the unit on during a state of stand-by will power up the CoolBox in the same mode and airflow setting in which it entered the stand-by mode. Make sure to adjust the settings as appropriate for your comfort after coming back from stand-by.

## COOLBOX CONTROLS

### USING YOUR COOLBOX

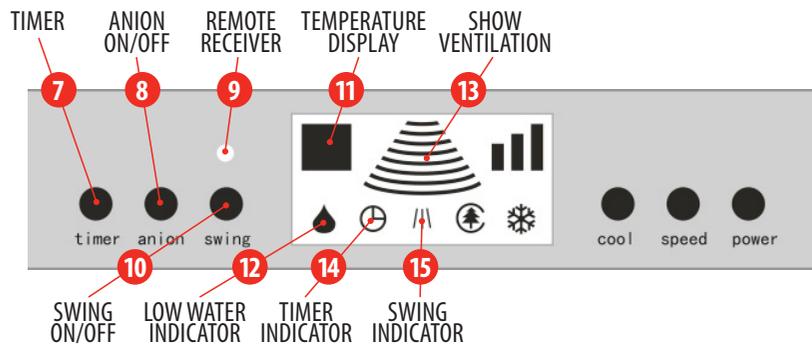
- 1. Power Button:** turns the unit ON or OFF.
- 2. Speed Button:** this controls the airflow. On first operation, the CoolBox will be at SPEED 2 (there are three Speeds, 1 being the lowest and 3 being the highest). Pressing again will take you up to SPEED 3, then pressing it again will bring you down to SPEED 1. The rate of speed will be reflected on the Airflow Indicator. If using the remote control, the Speed Button works in the same way.
- 3. The Cool Button:** switches the Cool-A-Zone CoolBox from COOL to VENTILATION mode. One press will switch between the two functions. The COOL mode will activate the pump and water will be used to evaporatively cool, whereas the VENTILATION mode will simply circulate the air and deactivate the pump. If using the remote control, pressing the COOL button will turn the pump on or off.
- 4. The Cool Indicator:** When lit, this indicates that the Cool-A-Zone CoolBox is in COOL mode. When unlit, this indicates the Cool-A-Zone CoolBox is in VENTILATION mode.
- 5. The Airflow Indicator:** The lowest bar indicates SPEED 1, the middle bar indicates SPEED 2, and the highest bar indicates SPEED 3.
- 6. The Anion Indicator:** When lit, the Anion function is ON, when unlit, the Anion function is OFF.



## COOLBOX CONTROLS (cont.)

### USING YOUR COOLBOX

7. **Timer Button:** Activates the CoolBox TIMER feature, allowing you to either start the unit from a start-up set after a certain number of hours or stop the unit after a certain number of hours. More on this function on Page 9.
8. **Anion Button:** Turns the ANION function ON or OFF, as indicated by the Anion Indicator.
9. **Remote Receiver LCD:** Indicates a command received from the remote control.
12. **Low Water Indicator:** This warning light will let you know when it is time to refill your CoolBox, and if the water gets too low, a buzzer will sound and the COOL mode will stop. No buzzer will come on if you are in VENTILATION mode.
13. **Show Ventilation Indicator:** Indicates the level of ventilation being used by the CoolBox.
14. **Timer Indicator:** When lit, indicates the TIMER function is active.
15. **Swing Indicator:** When lit, indicates the CoolBox SWING function is active.



## USING THE CoolBox TIMER

### WHAT THE TIMER FUNCTION DOES:

1. Starts your Cool-A-Zone CoolBox cooler automatically after n hours from the stand-by state; OR,
2. Stops your Cool-A-Zone CoolBox cooler automatically after n hours from being turned ON.

### NOTE: THE TIMER FUNCTION CAN ONLY BE SET BY THE HOUR.

### USING THE TIMER:

1. Press the TIMER button.
2. You will notice that the TIMER button begins to flicker and you will see that "H x" appears in the TEMPERATURE display.
3. To increase the number of hours, hit the SPEED button on the panel **or** Increase Airflow button on the remote control.
4. You **cannot** set the timer for more than **9 hours**.
5. Once the desired hours are set, **do not press any other buttons**, after 5 seconds the TIMER will activate.

### DISABLING THE TIMER:

1. Press the TIMER button.
2. Set the number of hours to "0";
3. If you wish, you can also hit the POWER button while the TIMER button is flickering.
4. Alternatively, you can hit the POWER button after the TIMER has activated, and then hit the POWER button again.

When in Stand-By mode, the TIMER function will count down to power ON the CoolBox. If the CoolBox is already on, the TIMER function will count down to turn OFF your CoolBox unit.

## ROUTINE MAINTENANCE

### THE FOLLOWING ARE BEST PRACTICES FOR MAINTAINING YOUR COOLBOX:

1. Shell Cleaning: We recommend soap and water or a mild cleaner with a soft cloth. Avoid abrasive cleaners or alcohol-based chemical cleaning agents.
2. Pad Cleaning: it is recommended you remove the pad and clean using a soft brush once every two weeks (more frequent if being in used in a dust-heavy environment).
3. Draining the Tank: We generally advise you drain water at the end of every day's use to increase longevity.
4. Tank Cleaning: we recommend that the tank be cleaned by hand on a schedule that suits your needs best, especially in more humid climates or dust-heavy environments.
5. Storing the CoolBox: if you have been using your CoolBox and need to store it, please ensure that you have cleaned and dried your tank, cleaned the drain outlet, cleaned the pad and shell, and store covered until needed again.

**Ensure that when doing any cleaning or maintenance, that your Cool-A-Zone CoolBox unit is powered OFF and UNPLUGGED!**

# EVAPORATIVE AIR COOLER

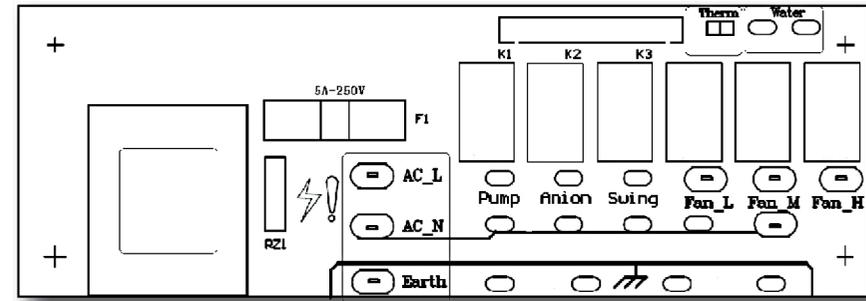
## BASIC TROUBLESHOOTING

NO.	Problem	Possible Cause	Solution
1.	Air cooler does not work	Power off or incorrect power connection	Power on or check and connect power correctly
		Controller breakdown	Replace it
		Fuse burnt	Replace it
		Electrical mainboard is broken	Replace it
2.	No Cooling	The pump is broken	Replace it
		No water or not enough water	Add it
		The cool key on the controller is broken	Replace the controller
3.	No Airflow	The key on the controller is broken	Replace the controller
		The motor is broken	Replace it
4.	Unpleasant Odor	Dirty water	Change it to clean water
		Dirty cooling pad	Clean it

### DEBUGGING AND INSTALLATION CHECKLIST:

1. Inspect drain pipe for stable connection and assembly.
2. Check the water supply to be sure there is no leakage.
3. Check if the power supply connection is plugged in properly.
4. Check for debris in the water tank.
5. Check for any foreign matter in the air compressor.
6. Ensure that your outlet is properly rated / power source is correct.
7. Check for any shaking or odd vibrations when running the CoolBox.

## CIRCUIT BOARD DIAGRAM



Cool-A-Zone cannot be held liable for any modifications made to the above circuit diagram by any party, whether purchaser or third party. The above diagram is provided as a reference point only for trained and skilled professionals and journeymen who have the knowledge to read circuit diagrams, understand their meaning, and make such adjustments to fuses, circuits, and the like. We recommend you contact Cool-A-Zone at [info@coolazone.com](mailto:info@coolazone.com) if you have any questions.



**DISCONNECT POWER BEFORE WORKING WITH THE FUSES OR CIRCUIT BOARD!**

## COOLBOX SPECIFICATIONS



### CoolBox Fast Facts

- Three Speeds
- Cooling Capacity..... 1,050 sq. ft.
- Maximum Air Delivery .... 4,120 CFM
- Fan Type ..... Axial
- Water Reservoir..... 21 gallons
- Width..... 30 in. / 76 cm
- Height..... 55 in. / 140 cm
- Depth..... 23 in. / 58 cm
- Unit Weight..... 62 lbs. / 28 kg
- Package Weight ..... 72 lbs / 35 kg