



WARRANTY CARD & INSTRUCTION MANUAL

**MAXX Air
70MD1E (CD-704A)
50MD1E (CD-504A)
DESERT COOLER**

Power rating: 190 Watts • Rated voltage: 230 Volt

• Rated frequency: 50 Hertz

Portable Evaporative Air Cooler

OWNER'S MANUAL

Read and save these instructions before use.

QUICK START GUIDE

Read all instructions carefully before setting up and operating the cooler, and please keep this instruction manual for future reference. This manual is designed to provide you with important information needed to setup, operate, maintain, and troubleshoot your cooler. Failure to follow these instructions may damage and/or impair its operation and void the warranty.

- **Fill the tank with water and plug the cooler in standard power outlet socket.**

Note: Please make sure the household power voltage matches the product specifications.

- **Place near an open door or window.**

Note: Evaporative air cooler requires cross ventilation.

- **Keep distance of minimum 0.5M from the wall.**

- **Cooler works best when placed near an open window.**

- **Turn ON and enjoy the cool breeze.**

Note: Start with low speed and gradually increase to higher speed for optimum cooling performance.

- **Keep the room ventilated for max effectivity / efficiency.**

Note: When the product is used for the first time the Honeycomb cooling media will have an odor which will dissipate in a week or so of initial use



THANK YOU

Congratulations on your purchase of this versatile USHA Evaporative Air Cooler. For optimum cooling from your cooler, fill the water tank to maximum level before you turn on your air cooler.

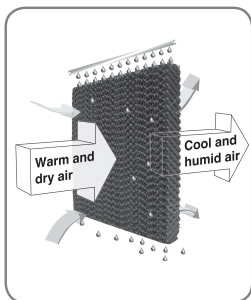
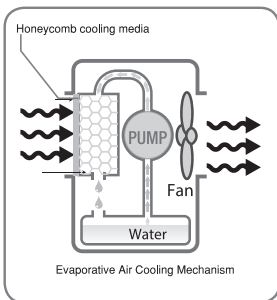
Not an Air Conditioner (Important - Please read!)

The evaporative air cooler is not an air conditioner as it does not use a compressor or refrigerant gas. It should not be expected to cool as efficiently as a refrigerated air conditioner

USER TIPS

Energy efficient, No compressor

USHA Evaporative Air Coolers are built to maximize energy efficiency and keep costs low. This no-compressor system cools naturally, efficiently and inexpensively. The recommended relative humidity is 60% or less which allow noticeable temperature decrease in the air.



SAFETY

READ AND SAVE THESE INSTRUCTIONS:

When using electrical appliances, basic safety precautions should always be followed:

- Your cooler runs on 230 Volt AC, 50 Hz. Check the household voltage to ensure it matches the appliance's rated specification.
- Before operating the product remove it from its packaging and check that it is in good condition.
- DO NOT operate any product with a damaged cord or plug. We recommend not using an extension cord with this appliance.
- DO NOT run power cord under carpeting, or cover it with rugs or runners. Keep the cord away from areas where it may be tripped over.
- Always unplug the product before refilling the water tank.
- Always unplug the appliance from the power source before cleaning, servicing or relocating the unit.
- Remove the power cord from the electrical receptacle by grasping and pulling on the power cord plug-end only, never pull the cord.
- DO NOT use the product in areas where gasoline, paint or other flammable goods and objects are stored.
- When using the "COOL" setting, check the water tank to ensure that it is full. Operation of this cooler on the "COOL" setting with an empty tank may result in damage to the water pump.
- DO NOT attempt to repair or adjust any electrical or mechanical functions of the cooler, as this may void the warranty.

SHOCK HAZARD



230 Volt AC 50 Hz

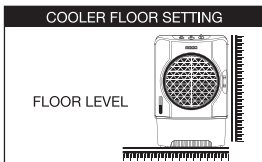


WATER LEVEL INDICATOR

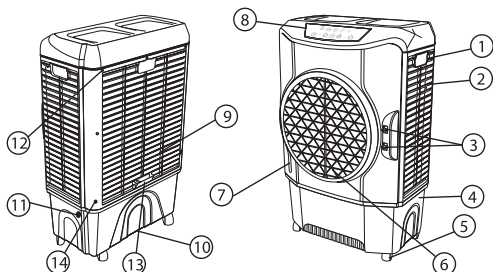


SAFETY

- DO NOT cover the air inlet or outlet on the appliance as this may cause motor damage.
- DO NOT insert or allow objects to enter any ventilation or exhaust opening as this may damage the product and could cause an electrical shock or fire.
- DO NOT operate with the Honeycomb media removed as this will overload and damage the motor.
- DO NOT leave the operating appliance unattended for an extended period of time.
- DO NOT let children play with this appliance, packaging or plastic bags.
- If the unit is damaged or it malfunctions, do not continue to operate it. Refer to the troubleshooting section and seek professional advice.
- Place the unit on a level floor. This product is not intended for use in wet or damp locations.
- DO NOT use in bathrooms. Never locate the product where it may fall into a water container.
- Store in a dry area when not in use. This appliance is not intended for use by persons (including children or elderly) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Always grip from sides to move the cooler.



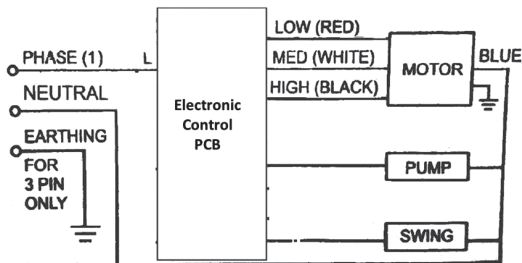
PARTS DESCRIPTION



*Reference Image. Actual product may differ

- | | |
|-------------------------------------|--------------------------------------|
| 1 Handle | 2 Left Honeycomb Panel |
| 3 Lever for Horizontal Louvers | 4 Water Tank |
| 5 Castors | 6 Horizontal Louvers |
| 7 Water Level Indicator | 8 Electronic Control Panel |
| 9 Back Honeycomb Panel | 10 Water Drain Plug |
| 11 Continuous Water Inlet | 12 Rear Grill Removal Screws |
| 13 Manual water filling through mug | 14 Manual water filling through pipe |

ELECTRICAL WIRING DIAGRAM



SMART SHIELD TECHNOLOGY (POWERED BY N9)

Water Tank Treated with Anti Bacteria Additive

- USHA Coolers now come with Smart Shield Technology powered by N9 Plastix. This technology ensures that your summers are fresh, safer and hygienic.
- The Water Tank is treated with an Anti-bacterial Additive which helps in reducing bacteria formation in the tank and limits algae growth.

How Does it Work?

- N9 Plastix is a unique composite. Silica present in the composite helps in the slow release of ions. These ions help in reducing bacteria formation and limits algae growth in the tank.*

The benefits:

- Safer: Anti- Bacteria – 99% reduction in bacteria growth on the water tank hence cooled air is much fresher and safer in comparison to other coolers with normal tank.
- Fresher: Algae Resistance – Limiting the Algae growth on the plastic tank that helps in keeping the cooler cleaner and reducing the associated malodor.
- Hygienic: Special Smart Shield Technology reduces the growth of microbes on plastic tank and thereby keeps the air fresh & Clean.
- Highly Durable: The additive effectively hooks onto the polymer and is estimated for the lifetime of the article.



*Tested by globally recognised Lab

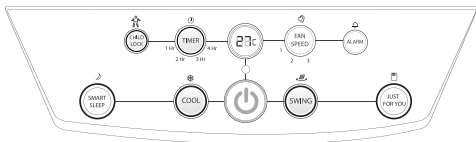
*Tested as per ASTM G29 & JIS Z2801



**SMART SHIELD
TECHNOLOGY**

USE & OPERATION

CONTROL PANEL



*Reference Image. Actual product may differ

When the cooler is started for the 1st time, there is a display of room temperature on the panel

FUNCTION BUTTONS



POWER : Press the POWER button to turn the unit on or off. When On for first time, the cooler will start at the factory settings /last combination of settings. Seven Segment Display will show “ON” for 1 second

when we on the cooler and will show “OFF” when we turn off the cooler. In off mode, the temperature reading and “OFF” display will toggle periodically on seven segment display.



COOL : Press the COOL button on the control panel; on pressing the indicator light will get illuminated. This will activate evaporative cooling. The water pump will operate and you will feel the cool air after the

Honeycomb Cooling Media is completely wet. When the COOL indicator light is switched OFF, the unit can still function in a fan only mode (without evaporative cooling).



SWING : Press the SWING button on the control panel; on pressing the indicator light is illuminated. The louvers will begin to move left to right automatically.

Vertical Air Flow - You can manually adjust the louvers to change vertical air flow.



FAN SPEED : Press the FAN SPEED button repeatedly to change the speed between 1 - 2- 3. The indicator light will show the selected speed:.

3 (HIGH) — 2 (MED) — 1 (LOW)

There is an increase /decrease button on remote to change the fan speed

USE & OPERATION



TIMER : Press the TIMER button until the desired time duration setting is selected. When the set time has passed, the unit will automatically turn off (unit remains in Standby mode until power cord is unplugged from electrical socket). The TIMER function allows you to program the unit for up to 8 hours of use.



LOW WATER ALARM : The unit is equipped with a low water sensor. In cool Mode, when water in the tank is below the minimum level, you will hear a beeping sound and the indicator light will glow solid continuously and the pump will be off automatically .

First switch OFF the unit and unplug from the power outlet. Fill the water tank with water above the minimum water level mark. Plug in and switch ON again.

To deactivate the alarm and continue using the unit as a fan (without evaporative cooling), Press the Alarm key. The Low Water Alarm will not activate in Fan only mode. The Low Water Alarm will beep again if the COOL function is activated while the water tank is still empty. The water empty LED above alarm switch will glow continuously in absence of water.



CHILD LOCK : Long press [Child Lock] button to on/off the function. When child lock is on, no key will work either on panel or remote instead of child lock key. There is a green LED to indicate that function is activate or not.



SMART SLEEP : Press [SMART SLEEP] button to on /off the smart sleep function. When smart sleep is on, the fan speed will decrease by 1 step after each 2 hrs until it does not reach to minimum speed. This function will work only when fan is running above minimum speed. There is a green LED to indicate that function is activate or not.



JUST FOR YOU : Press [JUST FOR YOU] button to activate a combination of fan speed, pump and swing settings. There are 3 combinations (P1, P2 & P3) that can be set as per your desire and also can be stored. To set a new combination, press JFU key. The display will show 'P1' on

USE & OPERATION

first press 'P2' on second and 'P3' on third and red LED will glow solid to indicate that function is activated. There are some factory settings which are stored initially will be applied when JFU key is pressed. Now to set a new combination you want to store/Edit on any program no i.e. P1, P2 or P3, follow following steps:

1. Set program number.
2. Set your desired combination of fan speed, pump and swing.(That time the LED will start blinking. It means that now you can store this setting).
3. Long press JFU key to store the same. A long beep will confirm that your setting has been saved.

Note: If you don't press the JFU key when LED is blinking, the new settings will not be saved. The function will be deactivated after 1 min automatically.

USE & OPERATION

REMOTE CONTROL : Function buttons of remote control is similar to control panel, refer to operation of control panel.



POWER : ON / OFF

FAN : Controls fan speed 3 / 2 / 1 / off

SPEED : ▲ Increase fan speed

▼ Decrease fan speed

COOL : Controls cooling or fan operation

SWING : Controls the vertical swing movement of louvers

TIMER : Controls the timers function for automatic shut off

SLEEP : Activate the Smart sleep function

ALARM : Deactivate the low water alarm function

CHILD LOCK : Activate the child lock function

JUST FOR YOU : Customisable cooler settings at a touch of button

The remote control requires AAA (2 x 1.5V) batteries for replacement.

Open the battery compartment at the back of the remote control and insert the AAA (2 x 1.5V) batteries inside. Care must be taken to insert the batteries according to the correct polarity (+ / -) markings shown inside the battery compartment

Always point the remote control signal transmitter towards the unit when operating. Make sure that the signal path is not obstructed.

Remove the batteries if the unit is not going to be used for an extended period of time.

Do not drop the remote control. Do not mix different types of batteries such as alkaline, carbon-zinc, or rechargeable batteries.

Do not mix old and new batteries.

Exhausted batteries are to be removed from the product.

USE & OPERATION

FILLING WATER (CONTINUOUS WATER SUPPLY CONNECTION)

Connect water pipe to the continuous water supply connector located on the lower right side panel. Secure the connector with the pipe so that there is no leakage and turn on the water supply.

With the help of the water auto-refill mechanism, water inside the tank will refill automatically.

Every time the water comes below the minimum level, the water float valve will detect it and will start the water flow inside the tank. In the same way it also stops water in-flow when reaching the maximum level.

This is an automated process and will not require you to refill the water tank manually.

Plug the unit into the power supply and turn the unit on.

INSTALLING HOSE ADAPTER AND FLOAT VALVE

- Connect the garden hose Connector and turn on the water.
- Verify water tight connections by visually examining.

FILLING WATER

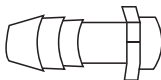
Water can be filled into the air cooler by 3 ways:

1. Continuous water supply (Auto Refill).
2. Manual water filling through pipe inlet.
3. Manual water filling through mug.

WATER LEVEL INDICATOR

Water Level indicator provided for reference only and placed to see sufficient water level.

HOSE CONNECTOR



CLEANING & MAINTENANCE

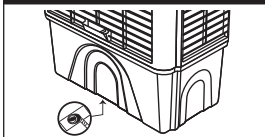
DRAINING AND CLEANING THE WATER TANK

- Turn the power “off” and disconnect the air cooler from the power supply.
- Move the unit to a location where it can be drained. Remove the cap from the water drain plug and allow the tank to empty (see parts description on page 9).
- After you have drained the water tank, please connect the water drain plug to its original position.
- Now refill the water tank up to Max level, wait for 5 min. and then drain the entire water once again. Use clean water for this procedure, so that maximum dust particles and remains are completely removed.
- If your cooler has not been used for a long duration, we advise you to clean the water tank at least 2 times before it is used again.

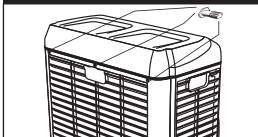
CLEANING THE HONEYCOMB MEDIA

- Turn off the unit, and unplug the power cord from wall outlet. Rotate the unit facing the back panel, and locate the Rear Grill.
- Removal Screws (refer page 9., #12). Remove the screws with a screw driver.
- Pull the rear grill panel upwards, until it is completely removed. Now, the honeycomb media can be seen. Clean the honeycomb media with fresh water.
- Once the cleaning has been completed, assemble the unit as described above.
- Plug into the power supply and turn unit on.

WATER DRAIN PLUG



OPEN SCREWS



TROUBLESHOOTING GUIDE

No discharge of air	Cord is not plugged in	Make sure power cord is plugged in and the supply switch is on.
	Power is not on	Turn the unit ON by changing the mechanical knob position of the control panel
	Motor Faulty	Contact Service centre
Not Cooling / Unit is making noise	Pump is not turned ON	On control Panel. Turn COOL FUNCTION TO "ON"
	Low or no water in tank, when COOL is selected	Refill water tank.
	Damaged Pump	Contact service centre.
Odor omission	When the Cooler is new	When the unit is used for the first time, the Honeycomb Cooling Media will have an odor, which will dissipate within a week of initial use. This is normal.
	If the Cooler has been used. There may be an algae issue.	Water is stale Clean the tank and fill with fresh water.
		Clean the Honeycomb Media.
		If problem persists contact the service centre.

TECHNICAL SPECIFICATIONS

Model No.	70MD1E (CD-704A) / 50MD1E (CD-504A)
Voltage	230V
Frequency	50Hz
Wattage	190 Watts
Water Tank Capacity	70L / 50L
Cooling Media	Honeycomb
Product Dimension	
50MD1E (CD-504A)	685(L) x 460(W)x 1080(H)
70MD1E (CD-704A)	685(L) x 460(W)x 1166(H)
Net Weight	17.5 kg (50MD1E/CD-504A) 18.1 kg (70MD1E / CD-704A)

SERVICE AND WARRANTY

This appliance is warranted for 1 year against all manufacturing defects from the date of sale. In the event of any complaint, please contact Usha Care at Toll Free No. 1800 1033 111 or email at usha_care@ushainternational.com or log on to care.usha.com.

The warranty is valid only when:

- 1) The appliance has been installed, used and maintained in accordance with the instruction manual.
- 2) The warranty card and cash memo duly signed by the authorised dealer are presented with the complaint.
- 3) The appliance has not been opened or tampered with, by any unauthorised person.

This warranty does not apply for:

- 1) Damages due to chipping, peeling, plating and denting.
- 2) Breakage or damage to components made out of Bakelite, Urea, ABS, SAN and such plastic materials, rubber parts and cord.
- 3) Normal wear and tear of parts.
- 4) Damage resulting from accidents, mishandling or negligence on part of the customer.

Liability for consequential loss or damages:

- 1) The Company will not be liable for any loss or damage arising/resulting from indirect or consequential loss or damages.
- 2) The Company aggregate liability in respect of all claims under the Warranty shall not exceed the original purchase price of the Product or, at Company's option, replacement of the Product with a like or similar Product.
- 3) The Company excludes all other warranties, conditions, terms, representations and undertakings whether express or implied.

Jurisdiction:

- 1) The courts at Delhi shall have exclusive jurisdiction to resolve any disputes between the parties arising under Terms and Conditions of Warranty.

S.NO: _____

CASH MEMO _____

DATE: _____

DEALER'S NAME AND ADDRESS: _____

OWNER'S NAME & ADDRESS: _____

USHA care™

— Toll free —

1800-1033-111

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ISO 9001: 2015
Certified Company