



**USER MANUAL  
PORTABLE AIR-CONDITIONER**

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## Energy Saving Tips

- Do not cover or restrict the airflow from the Outflow or Intake vents.
- The minimum distance from furniture and wall should be 1 ½ ft.
- Keep blinds, draperies and any windows closed during the sunniest part of the day.
- Keep the filters clean. Under normal conditions, the filters should be cleaned about every 30 days. More frequent cleaning may be necessary, depending on the indoor air quality and frequency of use.
- For the initial start-up, set the fan speed to high and the thermostat to the coldest position, then set the fan to low and adjust the thermostat to a comfortable setting.
- When the air conditioner is on, keep doors and windows closed.
- Turn off kitchen and bathroom exhaust fans while the air conditioner is on.
- Turn off the air conditioner when you leave home.
- Do not place anything that may generate heat near the unit; it may cause the unit to run longer than necessary.

## SAVE THE FOLLOWING INSTRUCTIONS

**This product is designed for household use only**

## NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## WARRANTY

A. This 1 year limited warranty applies to repair or replacement of product found to be defective in material or workmanship. This warranty does not apply to damage resulting from commercial, abusive, unreasonable use or supplemental damage. Defects that are the result of normal wear and tear will not be considered manufacturing defects under this warranty. Fridge Electric, LLC is not liable for incidental or consequential damages of any nature. Any implied warranty of Merchantability of Fitness for a particular purpose on this product is limited in duration to the duration of this warranty. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction. This warranty applies only to the original purchaser of this product from the original date of purchase.

B. At its option, Fridge Electric will repair or replace this product if it is found to be defective in material or workmanship. While within the warranty period, defective product may be returned to Fridge Electric.

C. This warranty does not cover damage resulting from any unauthorized attempts to repair or from any use not in accordance with the instruction manual.

## CUSTOMER SERVICE

For unanswered questions or concerns, contact Customer Service:

ArcticPro  
Fridge Electric, LLC  
3939 Everhard Rd.  
Canton, Ohio 44709  
Phone#: 1-800-504-8105



**Disposal:** Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

## CONGRATULATIONS!

**Enjoy the refreshing breeze of the ArcticPro portable air conditioner in the comfort of your home.**

**Please be sure to read and retain this short and easy to read owner's manual.**

**GENERAL INSTRUCTIONS. READ PRIOR TO USE.** When using electrical appliances, basic safety precautions should always be followed.

- 1** READ ALL INSTRUCTIONS BEFORE USE.
- 2** Always keep the product in an upright position and on a flat surface. Otherwise irreparable damage may be caused to the compressor or your home could be damaged. It is recommended to wait at least 2 hours before initial use and after any instance where it may have been placed in a non-upright position.
- 3** Connect to properly grounded outlets only. This unit is for use on 120 volt circuits only. This unit has a grounded plug. Do not use an adapter plug, extension cord, power strips or surge protectors.
- 4** It is normal for the plug to feel warm to the touch; however, a loose fit between AC outlet (receptacle) and plug may cause overheating and distortion of the plug. Contact a qualified electrician to replace loose or worn outlets. DO NOT plug into a loose fitting outlet. Check periodically for a secure plug/outlet fit.
- 5** DO NOT operate the ArcticPro with a damaged cord or plug, if the unit malfunctions, has been dropped or damaged in any manner. Before contacting Customer Service, first refer to the "Troubleshooting" section in this manual.
- 6** Carefully supervise children and pets. DO NOT permit them to play on or around the unit. This product is not intended for use by children.
- 7** DO NOT use this unit as a step or place anything on top of this unit.
- 8** To disconnect this unit, first turn off the ArcticPro, then grip the plug and pull it from the wall outlet. Never pull by cord.
- 9** Do not turn the ArcticPro on or off by plugging or unplugging the power cord directly.

- 10** Always unplug the ArcticPro when no one is in the room and before cleaning. Do not touch the metal parts inside.
- 11** Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or the like. Arrange cord away from traffic areas to avoid the risk of tripping.
- 12** Use caution when moving the air conditioner unit from room to room. Do not tip or shake unit with water inside. If unit falls with water in it, the plug should be pulled out immediately. Unit can be switched on after drying for 24 hours.
- 13** DO NOT use outdoors, near a bath, shower, swimming pool or in any wet environment. Never place the ArcticPro where it may fall into a bathtub or other water container. To protect against fire, electric shock and personal injury, do not immerse cord, plug, or the unit in water or other liquid.
- 14** The ArcticPro is not designed to run in excessively dirty areas such as a garage, work shop, barn or similar area with excessive dust and dirt. Running the unit in an area such as this may cause damage to the unit or the location. This product is designed for home use only.
- 15** Do not insert or allow foreign objects to enter or block any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the unit or your home. Do not place anything in the direct path of the airflow.
- 16** This unit has hot and arcing or sparking parts inside. Do not use it in an area where gasoline, paint, or flammable liquids are used or stored. Do not place the unit near any heat source or where gas leakage may occur. Do not apply any kind of insecticide, flammable spray or solvents onto or into the unit.
- 17** To avoid injury, only use the attachments produced by the manufacturer.
- 18** Do not expose skin, face or eyes directly to cool air for a long period of time.
- 19** When transporting or storing this unit and the cord, keep in a dry place, free from excessive vibrations and store so as to avoid damage. Before storing the product, always drain the water from the unit and clean the filter.
- 20** Do not use the product for anything other than its intended use.
- 21** The manufacturer reserves the right to make technical changes without notice.
- 22** If there is an abnormal smell or sound, stop usage immediately and unplug the power cord.

## TROUBLE SHOOTING Cont.

The remote control is malfunctioning	<ul style="list-style-type: none"> <li>• Use the remote control near the unit and make sure it is aimed at it.</li> <li>• Try different batteries in the remote control.</li> <li>• Make sure the sensor on the remote and the sensor on the unit are clean and free of dirt.</li> </ul>
The LCDI Plug trips by itself	<ul style="list-style-type: none"> <li>• Examine the cord for damage. If the power cord is damaged immediately unplug the unit and call Customer Service.</li> <li>• If there is no damage to the cord, press the reset button on the plug.</li> </ul>
Your breaker switch trips repeatedly with product use	<ul style="list-style-type: none"> <li>• Examine the cord for damage. If the power cord is damaged, immediately unplug the unit and call Customer Service.</li> <li>• If there is no damage to the cord, run the plug test as indicated on page 8 of this manual.</li> <li>• If there is no damage to the cord, try running the unit in a different outlet that is also on a different breaker switch in your home. If this works, wiring to the original outlet may be bad, call a certified electrician for repair.</li> </ul>

## Error Codes

Code	Meaning
E2	The sensor that detects the room temperature is malfunctioning and needs replaced. Call Customer Service.
E3	The sensor that detects the coil temperature is malfunctioning and needs replaced. Call Customer Service.
E4	The evaporator reached a temperature below 0°C/32°F and needs to defrost. Once the unit's temperature has reached above 8°C/46°F, the unit will automatically restart.

TROUBLE SHOOTING

ATTENTION: Before contacting Customer Service, please refer to the following guide.



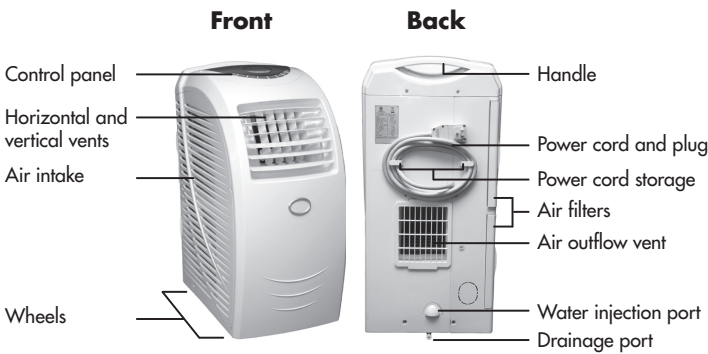
**WARNING: Immediately turn off the ArcticPro, pull out the plug and contact Customer Service if any of the following occurs:**

- Your electrical box switch often trips.
- The power cord is overheated or the wires within the cord have been exposed.
- There is an unusual odor or smoke coming from the unit.

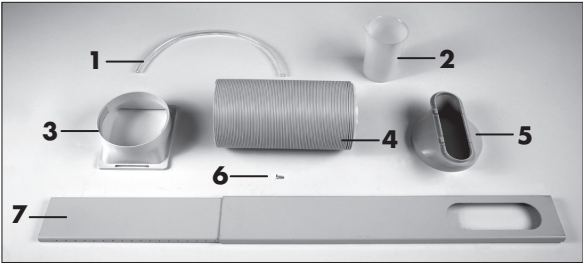
Issue	Try
The unit does not operate at all	<ul style="list-style-type: none"><li>• Make sure it is plugged in and the plug is secure.</li><li>• Check your fuse box for a tripped breaker.</li><li>• Drain any excess water from the basin.</li><li>• Cancel the Sleep/Timer Mode if the timer has been set.</li></ul>
The cooling performance is poor	<ul style="list-style-type: none"><li>• Check for any blockage on the air inlet or outlet. There should be at least 1½ ft. space around the unit.</li><li>• Remove any heat sources in the room and close curtains. Heat sources will reduce the cooling performance.</li><li>• Clean the air filters.</li><li>• Lower the temperature setting on the unit.</li><li>• Set the fan speed higher.</li><li>• Keep the exhaust tube at a minimum length.</li></ul>
Noisy and/or vibrating	<ul style="list-style-type: none"><li>• Make sure unit is placed on a level surface.</li><li>• The inner refrigerant may not be flowing.</li></ul>
The unit starts and stops frequently	<ul style="list-style-type: none"><li>• Make sure the unit is plugged into an appropriate outlet.</li><li>• Check to be sure the exhaust duct is not bent incorrectly.</li><li>• Has the exhaust duct been altered? If so, this could cause the unit to work improperly.</li></ul>

TROUBLE SHOOTING CONTINUED on page 17

PARTS



ACCESSORIES



1. Drain tube
2. Water cup
3. Flexible hose adapter
4. Flexible exhaust hose – Stretches from 14" (36cm) up to 59" (150cm)
5. Window exhaust adapter (flat mouth)
6. Screw (3/8")
7. Adjustable window slider kit – Slider extends from 35 3/8" (90cm) up to 51 1/8" (130cm) also includes 3 strips of thick foam and 3 strips of thin foam to seal the window (Foam not pictured)

## CONTROL PANEL



**ATTENTION:** If the unit is turned off in Cool or Dehumidify mode and restarted immediately, then the air conditioner will wait at least 3 minutes before running again.

### 1. Buttons

- Timer:** Press to set timer. Use the up and down arrows to set time. See Page 11 for more info.
- Swing:** Press to make the vertical vent swing automatically. Press again to stop.
- Speed:** Press for 2 seconds to select high, medium or low fan speed.
- Up/down:** Press the up or down button to set the temperature. In Timer Mode, this adjusts the time. Press both buttons at the same time to switch between Celsius and Fahrenheit.
- Mode:** Press this button to select cool, dehumidify or fan mode.
- Economy Mode:** Press for the energy saving mode (cool mode only). The in the LED display will blink indicating the Economy mode is selected. The temperature will automatically switch to 81°F and a low fan speed. These settings can not be changed. To cancel, press this button again.
- Power:** Press this button to turn the unit on/off.

### 2. LED display

- Timer**
- Dehumidify, Cool, and Fan Modes**
- Water Injection indicator**
- Water Full indicator**
- Remote Control sensor**
- High, Medium and Low fan speeds**
- Indicates time and temperature.** Also displays error codes.  
In case of malfunction, refer to the Troubleshooting Guide in this manual.
- °C °F**  
**Indicates Celsius or Fahrenheit degrees.**

## MAINTENANCE

### Cleaning

**ATTENTION:** Turn off the unit and pull the plug out before any cleaning.

**Energy Tip!** Dust in the air filter will reduce efficiency. Clean the filter every 2-4 weeks for better performance.

### Cleaning the surface

Clean the surface of the unit with a duster or a damp soft cloth. Do not use a chemical solvent like benzene, alcohol, gasoline, etc. as it may damage or even deform the unit.



### Cleaning the air filter

1. Pull out the air filters (2).
2. Wash the air filters by immersing them gently into warm water (under 104°F or 40°C) with a mild soap. Use a soft, lint-free cloth.
3. Rinse the filters thoroughly and let them dry completely in an area out of direct sunlight.
4. Push the air filters back into their original positions.


### End of season

1. Switch off the unit and disconnect the plug from the power supply.
2. Pull the plug from the drain mouth and remove the water from the basin. You can remove the water entirely by carefully tilting the unit back.
3. Clean the air filters. Let them dry completely before inserting them back in the ArcticPro.
4. Run the unit in Fan Mode on the low setting for half a day to dry the inside and prevent mildew.
5. Wrap the cord around the cord storage on the back of the unit.
6. Remove the air exhaust duct and store it in a dry and safe place.
7. Wrap the unit with a plastic bag and keep, with all accessories, in a dry place.
8. Take the batteries out of the remote control before storage.

## WATER DRAINAGE

This product has a self-evaporative system. The condensing water will recycle to cool the condenser. This water-cooled mode not only can improve cooling efficiency and decrease noise, but also save energy.

In Cool and Dehumidifying Modes, water from the evaporator flows into an inside basin. When the water reaches above a set level, the pump will run until the water is under that level. When the basin reaches its max capacity, the compressor will stop working, however the water pump, lower fan motor and upper fan motor will continue running for a short time.

When the basin is full, the Water Full indicator [  ] will light and the compressor will stop working. The buzzer will sound 10 times every 5 minutes until the water is automatically pumped below the set level or drained by hand. If the water is neither pumped nor drained, the unit will automatically shut off.

After draining and after a 3 minute delay, the unit will work normally.

### ATTENTION: TURN OFF THE ARCTICPRO BEFORE DRAINAGE.

#### Step 1



Remove the plug. (You can place a pan beneath the plug before removal to prevent water dripping on the floor.)

#### Step 2




Attach one end of the drain hose to the drain. Keep the other end aloft to avoid dripping.

#### Step 3















Drain the water into the provided water cup. Dispose of the water. Do not drink.

**WARNING:** Move the unit carefully if the basin is full or water may spill into the inside of the unit.

When the water in the basin is not enough to be pumped, the pump will stop working. At the same time, the Water Injection indicator on the control panel will illuminate [  ]. Make sure the drain plug is secure. Inject no more than 3 cups of water (1800ml) into the water injection port slowly. This will also help save energy.



## REMOTE CONTROL

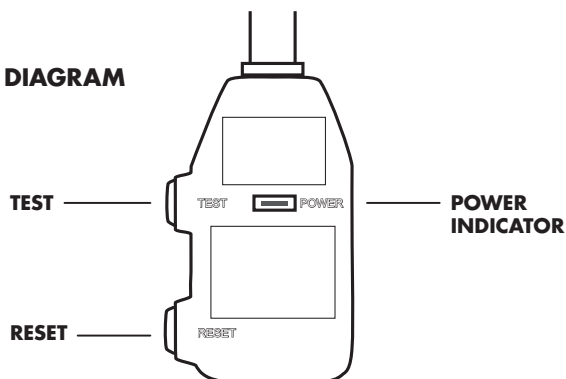
-  **Power** To turn the unit on/off.
-  **Timer** To set the timer.
-  **Swing** To make the vertical vent swing automatically.
-  **°C °F** Switch between Celsius and Fahrenheit.
-  **Cool** To select Cool mode.
-  **Dry** To select Dehumidify mode.
-  **Fan** To select Fan mode.
-  **Up Down** To set temperature or adjust time.
-  **High** To select High fan speed.
-  **Med** To select Medium fan speed.
-  **Low** To select Low fan speed.
-  **Econ** Press for the Economy mode. (Only available in Cool mode.) This energy saving mode will automatically switch the temperature to 81°F and a Low fan speed. These settings can not be changed. To cancel, press this button again.



## LCDI POWER CORD AND PLUG

This air conditioner is equipped with an LCDI (Leakage Current Detection and Interruption) power cord and plug. The LCDI power cord and plug will shut off the supply source via electrical disconnect (circuit trip) if the nominal current leakage between the cord shield and either load conductor exceeds a predetermined value. The cord will not be able to conduct power until the device has been manually reset. This device provides protection to reduce the risk of fire due to arcing faults in the power cord. The cord shields are not grounded and they must be considered as shock hazards if exposed. The cord shield must not be connected to ground or to any exposed metal.

### PLUG DIAGRAM



To ensure if the plug is working properly, please follow the following instructions to test it:

1. Plug power cord into wall outlet.
2. Press TEST button. The circuit should trip, cutting power to the air conditioner.
3. Press RESET button for use.

### DO NOT USE IF ABOVE TEST FAILS.

In the event the LCDI Plug of the power cord trips by itself, then first examine the cord for any damage. If there is no damage to the cord, then press the RESET Button. If the LCDI Plug trips again, then immediately unplug the power supply cord and contact a professional technician or service center.

### WARNING:

1. Do not use the TEST and RESET buttons as "ON" and "OFF" switches.
2. Do not press the TEST button while the air conditioner is operating.
3. The cord and plug are designed for indoor use only.
4. Periodically examine the cord for any damage. If the shield gets exposed, immediately unplug the power cord and do not use the unit.

## OPERATION Cont.

### Dehumidifying Mode

1. **Turn on:** Press the Power button to turn the unit on [①].
2. **Select Dehumidify mode:** Press the Mode button [Mode] until the Dehumidify Mode indicator light is on [💧]. Or press the dehumidify button on the remote control.
3. **Adjust Fan speed:** The fan speed will automatically set itself to Low. The LED will display the room temperature. These settings cannot be adjusted.

### Fan Mode

1. **Turn on:** Press the Power button to turn the unit on [①].
2. **Select Fan Mode:** Press the Mode button [Mode] until the Fan Mode indicator light is on [🌀]. Or press the Fan Mode button on the remote control.
3. **Adjust Fan speed:** Press the Fan button [🌀] to select the desired Fan speed or select Low [📶], Medium [📶] or High [📶] on the remote control.



## OPERATION Cont.



### Energy Tips:

- In Cool mode, when the Water Injection indicator lights up [💧], you may inject some water through the injection port before cooling begins (do not overfill) to add humidity to the air.
- In Dehumidifying Mode [💧], the water must be drained periodically, otherwise, the unit will turn off when the water level exceeds the maximum capacity.
- Do not use the air exhaust duct when in Dehumidify or Fan modes [🌀].
- If the room is directly exposed to sun, draw the curtains for better efficiency.

## Cooling Mode ❄️

1. **Turn on:** Press the Power button to turn the unit on [ⓘ].
2. **Select Cool Mode:** Press Mode button until the Cool Mode Indicator light is on [❄️] or press the Cool Mode button on the remote control.
3. **Adjust temperature:** Press Up [▲] or Down [▼] button to set the desired room temperature. The range is 64-84°F (18-29°C).
4. **Adjust Fan speed:** Select the desired fan speed by pressing the fan button [🌀] on the unit or by selecting Low [📶], Medium [📶] or High [📶] on the remote control.
5. **Set Swing (or oscillation):** Press Swing button [↕️] to adjust the direction of the vertical vent. Press this button once to set the vertical vent to swing automatically. Press it again to make it stop. (Adjust the horizontal vent by hand.)
6. **OPTIONAL ENERGY SAVING COOL MODE:** This unit also has an Economy Mode to help save energy. This is only available in Cool Mode. To select this mode press the economy mode button on the unit or the remote [🔋]. The Cool Mode indicator will blink [❄️] to show that the unit is running in Economy Mode. The temperature will automatically switch to 81°F and a low fan speed. These settings can not be changed. To cancel this mode, press the Economy Mode button again.

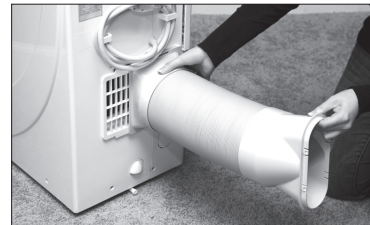
OPERATION CONTINUED on page 13

## INSTALLATION



### Placement

Place the unit in a flat, dry place. Leave at least 1 ½ ft. of space around the unit (when the hose is not connected).



### AIR Exhaust Duct Mounting Method

- 1) Attach the square end of the exhaust duct to the exhaust terminal of the unit.
- 2) Attach the other end (outflow) to the nearest window. Leave at least 1 ½ ft. of space around the unit.



**ATTENTION:** This length has been designed according to the specifications of the air conditioner. Do not use an extension or exchange of a different hose as that may lead to a malfunction.



**Energy tip!** The length of the air exhaust duct can expand up to 5ft; but the shorter the exhaust duct is kept, the more efficiently the unit will work.

## Window Kit Installation

The window kit is designed to fit most standard vertical and horizontal windows. However, it may be necessary to modify some aspects of the installation procedures for certain types of windows. Please refer to the illustrations.

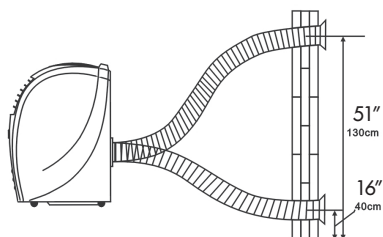
To prepare your window for installation, take the thin strips of self-stick foam and peel off the adhesive liner on one side only. Apply them around the window sill where the window slider will be placed. Next, peel off the remaining adhesive liner and apply the thick foam to this.



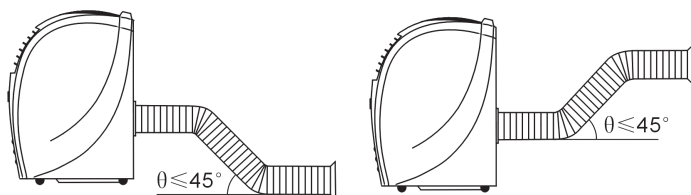
Fit the window slider adapter securely within the window, sliding it open until it completely fills the width of the window. (OPTIONAL: you may also use the included screw to secure the slider to the window.) Close the window firmly. Attach the window exhaust adapter to the end of the exhaust hose then snap it into the slider.

## MOUNTING ILLUSTRATIONS

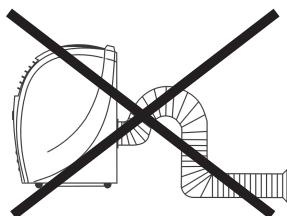
### Wall Mounting



### Correct bending



### Wrong bending





## OPERATION

### Timer/Sleep Setting




#### Sleep setting

To automatically turn the unit OFF after a chosen length of time:


1. Press the Timer button when the unit is on.
2. The LED  will flash five times. Press the up or down button during this time or it will go back to displaying the temperature.
3. Select the length of time you would like the air conditioner to run, anywhere between 0.5h to 24h. The time increases in half hour increments up to three hours and in 1 hour increments thereafter. Once the time is set, the number display will flash 5 times and then show the temperature again. The Timer symbol  will stay lit indicating that the timer is set. Once the selected amount of time ends, the unit will turn off automatically.

#### Set Timer

To automatically turn the unit ON after a chosen length of time:

1. First make sure the unit is set to the desired mode. To do this, press the power button  to turn the unit on, press the Mode button  to set the desired mode, set the desired fan speed if available  (available in Cool mode or Fan mode) then press the Power button again to turn the unit off.
2. While the unit is off, press the Timer button. Follow steps 2-3 as indicated above under "Sleep Setting." Once the chosen amount of time ends, the unit will turn on automatically.

#### Adjust/Cancel the Timer or Sleep Setting

When Timer is on (indicated by the illuminated timer symbol ) you can check the remaining amount of time by pressing the Timer button. It will flash 5 times. Press Up or Down button to adjust set time. The set time can also be cancelled if you press the Timer button once again while the time is flashing.