



FP430-FP860
Portable Freezer
Owner's Manual

This owner's manual provides instructions on safe installation, use, and maintenance. Please read it carefully and save it for reference.



For information on EdgeStar and to view our full line of products, please visit our website:
<http://www.edgestar.com>

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SAFETY PRECAUTIONS

Read all of the instructions before using this appliance. When using this appliance, always exercise basic safety precautions, including the following:

- Do not use if the power supply cord is damaged. If damaged, it must be replaced by qualified technician.
- This portable freezer is not intended for use by young children or infirm persons without supervision. Young children must be supervised to ensure they do not play with the appliance.
- Ensure the freezer is unplugged before cleaning or if not in use.
- To clean the freezer use only mild detergents or glass cleaning products. Never use harsh detergents or solvents.
- Do not use this portable freezer with an extension cord or power strip. Please ensure that the appliance is plugged directly into the electrical outlet.
- When positioning the portable freezer, ensure that there is at least a 2" clearance at the sides and a 4" clearance at the back of the portable freezer. This will allow for adequate ventilation of heat from the back of the freezer.
- Close the freezer lid immediately after putting in any items so the inside temperature will not rise dramatically.
- Avoid subjecting the freezer to external heat sources or direct sunlight.
- For a stable installation, make sure the freezer is placed on a flat, level, and solid surface.
- Make sure that the surface on which the freezer is placed is strong enough to hold the freezer once it is fully loaded with items.
- The portable freezer is an electrical appliance. To avoid injury or death from electrical shock, do not operate the freezer with wet hands, while standing on a wet surface, or while standing in water.
- Do not expose this appliance to rain
- Do not turn the portable freezer upside down, on its side, or 45° or more off level.
- Never pull the power cord to disconnect it from the outlet. Grasp the plug directly and pull it from the outlet.
- Never lift or carry the freezer by the power cord.
- Keep the power cord away from heated surfaces.
- This portable freezer is designed for non-commercial use only.
- Do not plug this portable freezer into the power socket before set up is completed.
- An empty portable freezer can be dangerous for children. If disposing of the portable freezer remove gaskets, latches, lids and the entire door from your unused appliance so that children cannot become trapped inside.
- If your model of portable freezer is equipped with a lock, take care to keep the keys away from children.
- Do not cut or remove the third prong (the grounding prong) from the power cord.
- The cord should be secured behind the unit and should not be left exposed or dangling.
- Do not move this portable freezer without securing the lid in a closed and latched position.
- Performance may vary based on operational conditions.

Welcome and Thank You

Welcome and thank you for purchasing this EdgeStar portable freezer. We are glad you choose us and we take pride in knowing that, like our products, our customer service will be just as dependable. Once you complete the easy unit set up by following this manual, your portable freezer will provide you years of great service.

Please save the original product packaging in case you need to safely transport this portable freezer in the future.

For your reference...

Please write down the model and serial number here, as they are needed to obtain service for your unit. The two numbers are on the label located on the back of your unit. You may also want to staple your receipt to this manual. This will provide you with a quick reference as these numbers will need to be obtained for possible service under your warranty.

Model Number _____

Serial Number _____

Date Purchased _____

Need Assistance?

To better serve you, we ask that you do the following before contacting our customer service...

- **Read this manual:** it contains instructions to help you use and maintain your portable freezer properly.
- **If you received a damaged appliance:** please immediately contact the dealer that sold you the appliance.
- **Read the troubleshooting section:** in order to save you time and money we ask you to check this section before calling customer service. This section will help you solve common problems that might occur. If you do require service, our friendly and efficient customer service representatives are available online via email at service@edgestar.com or by telephone at 1-866-319-5473.

This warranty does not cover use of EdgeStar products in commercial settings.

DESCRIPTION OF WARRANTY SERVICE:

All defective product components covered by this warranty will be repaired or replaced, at EdgeStar's option, free of charge on a mail-in basis to EdgeStar's authorized repair facility during the first 90 days from the date of original purchase. All defective product components covered by this warranty will be repaired or replaced, at EdgeStar's option, on a mail-in basis to EdgeStar's authorized repair facility during the time period beginning on the 91st day from the date of original purchase and ending one year from the date of original purchase. During this time period, parts will be supplied free of charge, but labor charges will apply. All replacement parts and units will be new, re-manufactured, or refurbished. All products and components replaced by EdgeStar under warranty service become the property of EdgeStar.

OBTAINING WARRANTY SERVICE:

Contact EdgeStar for troubleshooting assistance and warranty service authorization at 1-866-319-5473. Please have your order receipt available to confirm the date of purchase. Once an EdgeStar authorized representative has confirmed that your product is eligible for warranty service, the product must be returned to our EdgeStar repair facility. The purchaser is solely responsible for prepaying all shipping related costs to and from the repair facility. EdgeStar is not responsible for damage resulting from shipper mishandling or improper packaging. Do not return defective product to the place of purchase.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS DISTRIBUTORS SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

	temperature is too low. The freezer is not level.	Make the freezer level.
The freezer is noisy.	Some parts came loose.	Contact customer service representatives online via email at service@edgestar.com or by telephone at 1-866-319-5473.
	The pipes are touching.	Contact customer service representatives online via email at service@edgestar.com or by telephone at 1-866-319-5473.

LIMITED WARRANTY

This EdgeStar product is warranted to be free from defective workmanship and materials for the first year following the date of original purchase. Replacement parts will be supplied free of charge for the first year following the date of original purchase. Labor will be performed free of charge for the first 90 days following the date of original purchase.

WHAT IS COVERED:

This warranty applies to the original purchaser only, and only covers defects in workmanship experienced during operation of the product under normal service, maintenance, and usage conditions. This warranty applies to the purchase and use of this product in residential settings within the United States of America.

WHAT IS NOT COVERED:

The following limitations apply to the coverage of this warranty:

Optional accessories, attachments, and appearance items are excluded from warranty coverage, as is shipping damage, and any damage caused by improper voltage or any other misuse, including abnormal service, handling, or usage.

This warranty does not cover normal wear and tear on parts or replacement of parts designed to be replaced, e.g. filters, etc.

This warranty does not cover service trips to deliver, pick-up, repair, or install the product, or to instruct in proper usage of the product.

Damages or operating problems resulting from abuse, operation outside environmental specifications, uses contrary to instructions provided in the owner's manual, accidents, vermin, fire, flood, improper installation, unauthorized service, unauthorized installation or modification, or commercial use are excluded from warranty coverage.

This warranty does not cover labor incurred 91 days or more after the date of original purchase.

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UNPACKING PARTS AND FEATURES

Your portable freezer is supplied with all the accessories you need to enjoy refrigeration almost anywhere. Below is an image of the freezer and its respective features.



1. Latch
2. Insulated lid
3. Wire baskets
4. Side handle
5. DC power cord
6. AC power cord
7. Drain plug

- Dirt from the condenser should be cleaned by a qualified technician when necessary.

TROUBLESHOOTING

Problem	Cause	Solution
The compressor runs for 1 to 5 minutes and stops.	The voltage is not in the correct range.	Switch off the power and restart when the power is normal.
The compressor runs but the inner liner does not get cold.	The refrigerant has leaked.	Contact customer service representatives online via email at service@edgestar.com or by telephone at 1-866-319-5473.
	The system is blocked.	
The inner liner is very cold and the compressor runs continuously.	The ice layer on the evaporator is too thick.	Defrost.
	The door is being opened and closed too frequently.	The door should be opened as little as possible.
	The freezer is overloaded.	Remove some products.
	The condenser is not well-ventilated.	Select a well-ventilated place.
	The temperature sensor-tube is out of the evaporator or the controller is faulty.	Contact customer service representatives online via email at service@edgestar.com or by telephone at 1-866-319-5473.
The compressor does not run.	The controller is faulty (the power indicator is not on).	Contact customer service representatives online via email at service@edgestar.com or by telephone at 1-866-319-5473.
	The thermostat is set too high and the ambient	Use as a freezer.

Defrosting and Deodorizing

When the ice layer on the inner cabinet sides is over 0.2", the defrosting operation should be performed to improve the refrigerating efficiency. To do this, follow these steps below:

1. Turn off the power, and remove all items located within the chest.
2. Allow the ice to completely melt.
3. Remove the drain plug and drain all water. Once the unit is defrosted and all the water has drained out, clean the interior with a soft rag before using the unit.

Never remove ice with a sharp object or screwdriver.

Tip: To remove bad odors place a piece of charcoal in the chest

Normal Operating Sounds and Functions

- It is normal to hear gurgling sounds caused by the flow of refrigerant when each cooling cycle ends.
- The surface temperature of the compressor can reach 158-194°F when running.
- The noise emitted by the cooling fan on the condenser is a normal function.
- It is normal for the fan in the power supply to run all the time.

CLEANING YOUR PORTABLE FREEZER

- Always disconnect the power supply before cleaning. Clean the inside of the cabinet whenever necessary using a solution of warm water and baking soda (1 tablespoon to every 2 liters of water). Dry with a soft cloth.
- Do not use steel brushes or aggressive detergents to clean the inner liner.

Proper Location

- Position your portable freezer in a location where there is proper air circulation and electrical connections.
- Keep the portable freezer away from heat and direct sunlight if possible.
- This portable freezer is suitable for car use and camping however, the appliance should not be exposed to rain.
- This portable freezer should not be placed in a built-in or recessed area. It is designed to be freestanding.
- The normal operation of the freezer depends on heat radiation from the condenser. For the initial use, remove all packaging and allow at least 6" of room around the freezer.

Because this unit is compressor based, ample space is required around the unit to allow it to exhaust properly.

Movement and Installation Instructions

1. Remove all interior and exterior packaging.
2. Position the freezer in a dry and well-ventilated place. Keep the freezer away from direct sunlight, heaters and corrosive gas.
3. Clean the interior surface with a little bit of lukewarm water and a soft cloth.
4. When inserting the AC power-cord into the power socket, make sure the power socket is a grounded 115V~AC / 60Hz socket. Also make sure that the unit's grounding prong has not being tampered with.

Note: When inserting the DC power-cord, make sure the input is a 12V DC / 24V power source.

5. When moving the freezer, always use both handles to carry the unit as level as possible. This is in order to protect the compressor and the sealed system.

OPERATING YOUR PORTABLE FREEZER

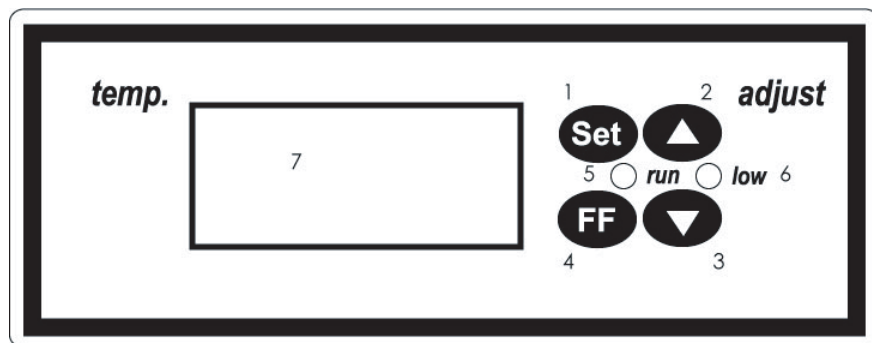
Test-Run

DC input power

- When attempting to plug your portable freezer into a standard 12 V socket, the unit will not work if socket has a voltage of less than 10.4 V. The unit will restart when the voltage is 11.8V or greater.
- When attempting to plug unit into a standard 24 V socket, the unit will not work if the socket has a voltage of less than 22.5 V. The unit will restart when the voltage is 24.2 V or greater.

UNDERSTANDING THE TEMPERATURE CONTROL SETTING

Your portable freezer uses a digital control system for adjusting the thermostat.



1. SET: Set button – press this to set the desired temperature
2. Button for increasing the temperature setting +
3. Button for decreasing the temperature setting –
4. FF: Fast Freeze button – this function quickly drops the temperature
5. “Run” indicator: this will be red when the Fast Freeze function is on and green when the unit is running normally
6. “Low” indicator: when the power is too low, this yellow indicator will flash
7. LED display: shows the temperature in Fahrenheit (°F)

Temperature Adjustment

1. When the freezer is plugged in to a power outlet, press the “set” button. The LED will display the factory pre-set temperature of 0°F
2. To adjust the temperature:
 - a. Press the “set” button again
 - b. While the LED is flashing, press the “▲” or “▼” buttons to reach the desired temperature
 - c. Once you have reached your desired set temperature, wait until the LED stops flashing. The current internal temperature will then be displayed. After the LED has stopped flashing, you can check the set temperature by pressing the set button again
 - d. To change the preset temperature again repeat steps a., b. and c.

Note: Do not use the refrigerator-freezer as refrigerator when the ambient temperature is lower than 41°F

Fast Freeze Mode

Press the “FF” button to run the freezer on the “Fast Freeze” mode. The Fast Freeze mode rapidly cools the unit to -8°F. The freezer will then maintain this temperature.

Note: Do not run the unit on “FF” (fast freeze) for more than four hours, as this might adversely affect the refrigeration system.

Food Storing

- Fresh foods should not be stored together with frozen foods.
- When the temperature is set below 32°F, do not keep glass-bottled drinks such as beer and lemonade, as the bottles might shatter.