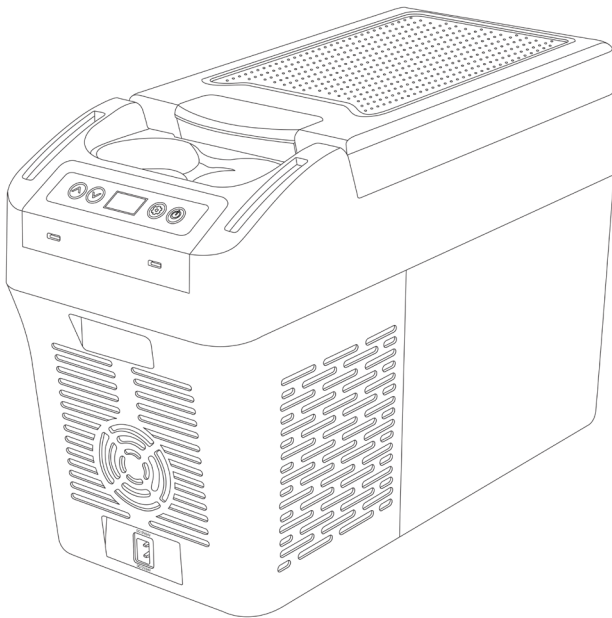




PORTABLE FRIDGE / FREEZER
12.7 Quart



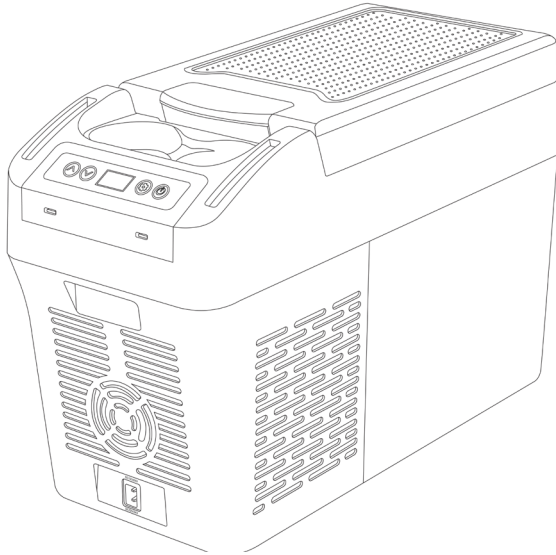
AC532650-1

INSTRUCTION MANUAL

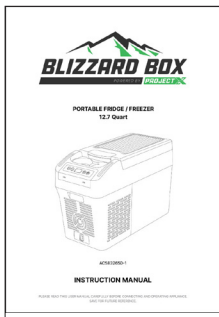
PLEASE READ THIS USER MANUAL CAREFULLY BEFORE CONNECTING AND OPERATING APPLIANCE.
SAVE FOR FUTURE REFERENCE.

PACKAGE CONTENTS:

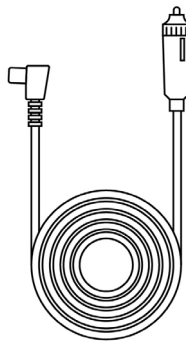
Blizzard Box



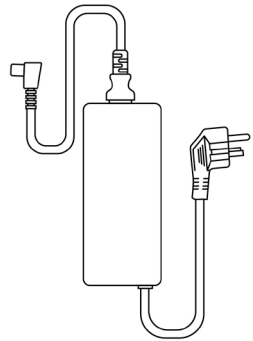
Instruction
Manual



12/24V
DC Power Cord -
8.2'



AC to DC
Power Adapter -
5' Cord



Output: 24VDC 1.9Amp*
see footnote on page 15.

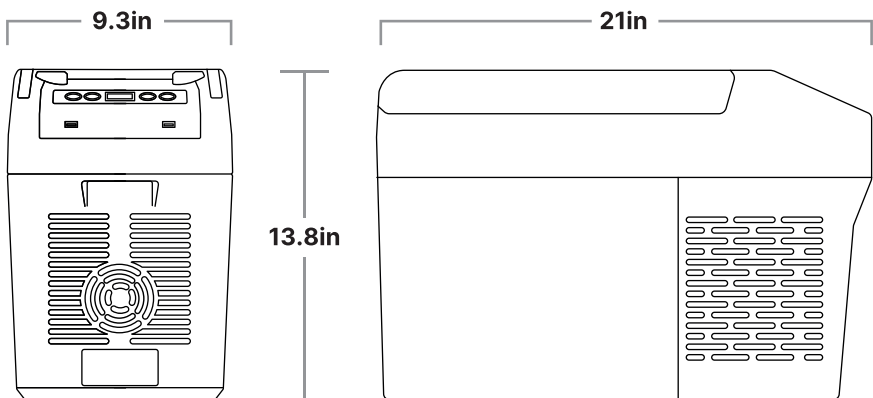
Input: 100-240 VAC,
2.5Amp Max.

TECHNICAL SPECIFICATIONS

		12.7Quart (12L)
Weight		19.8 lbs
Capacity		12.7 QT (12L)
USB Charging Port Output		5V / 1A rating
Cooling Performance		50°F - 109°F (SN/N/ST/T)
Climate Class		-0°F - 50°F
Compressor		WANCOOL
Refrigerant		R134a (28g)
Insulation		CFC-free PU foam
Power Consumption		Dual Voltage; 45W (3.8A) @ 12VDC or 45W (1.9A) @24VDC (as needed*)
Input Rating		12VDC, 3.8A 24VDC, 1.9A

Power consumption "as needed*" foot note, see page 15.

DIMENSIONS (Including handles)



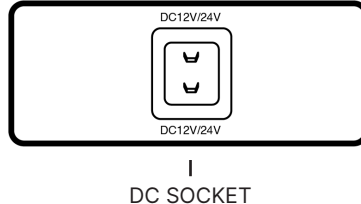
OPERATION:

BEFORE YOU START

CAUTION!

- To reduce the chances of overheating, keep your Blizzard Box in an open area, to not obstruct the heat dissipation side ventilation openings. Ensure these side vents are not blocked while in use, or shortly after use.
- Use in dry conditions.
- Do not use near heat sources such as gas ovens, heaters, or direct sunlight.
- Do not immerse in water.
- Do not fill with liquid or ice.
- Do not use in direct sunlight or near flames / fire.
- Ensure Blizzard Box, cables, and charging inputs / outputs are not exposed to direct moisture or heat.

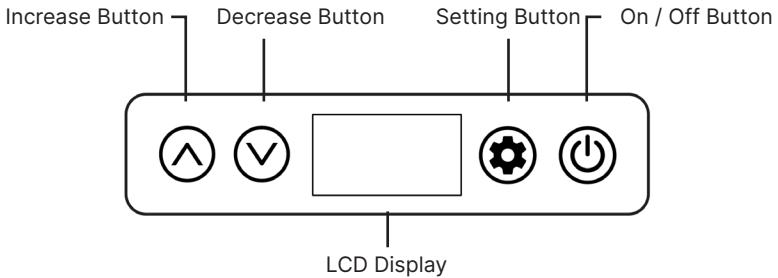
1. Connecting power



Insert DC plug into vehicle's power port. You may also use the included 110V AC to 12V DC Power Adapter for household power.

OPERATION CONTINUED:

2. Operating panel







3. Turning on Blizzard Box

After connecting power to your Blizzard Box.

The Digital Display will then show the current interior temperature. Once the is displayed, your Blizzard Box is operating. ❄️

4. Setting the temperature

- Press  button once, start setting temperature status.
- Use  /  to set temperature from -0°F to 50°F or -20°C to 10°C.
- The cooling temperature will be displayed for a few seconds, then the current interior temperature is displayed afterwards.
- Press  button once again, to switch between Fahrenheit degree (°F) and centigrade degree (°C).
- The current interior temperature is displayed again.

NOTE

If the ambient outdoor temperature is above +90°F (+32°C), the minimum setting temperature cannot be attained.

When Blizzard Box interior temperature reaches the desired temperature setting, the compressor will stop. And the ❄️ will be switched off.

OPERATION CONTINUED:

5. Vehicle Battery Protection Setting

The Blizzard Box is equipped with multi-level vehicle battery protection that guards against excessive discharging when connected to a 12V / 24V power source.

If the Blizzard Box is operating when the vehicle ignition is switched off, it will be switched off automatically once the supply voltage falls below the cut-off level. The Blizzard Box will switch back on once the vehicle battery has been recharged to the restart voltage level (See table in Section 9).




NOTICE! Avoid Damaging Vehicle Battery

If the Vehicle Battery Protection Setting becomes activated and switches off the Blizzard Box, the vehicle battery will NOT be fully charged. Avoid restarting the vehicle repeatedly, or operating the radio before the vehicle battery has fully recharged via running engine.

Ensure that the battery is recharged.

-Press the  button to select the Vehicle Battery Protection Setting.

Digital Display will be as follows:

 (LOW),  (MED),  (HIGH)

The selected mode then appears on the display and current temperature. (Reference Section 8 for more information)

6. Turning off the Blizzard Box

In working status, press and hold  button for three seconds to turn off the Blizzard Box. Pull out power plug.

7. USB ports for power supply

Two 1A USB Ports allow you to charge most mobile devices.

OPERATION CONTINUED:

8. Setting Vehicle Battery Protection / Low Voltage Battery Protection

When the vehicle battery's voltage drops to the below setting, the Blizzard Box compressor will turn off. This will protect the vehicle battery from over discharge and the LCD screen shows the "E1" code.

Voltage Range: Vehicle Battery Protection:

Battery voltage protection	12V cut out	12V cut in	24V cut out	24V cut in
\sqrt{E} (High)	11.7±0.3V	12.7±0.3V	24.6±0.3V	26.0±0.3V
$\sqrt{=}$ (Med)	10.7±0.3V	11.7±0.3V	22.6±0.3V	24.0±0.3V
$\sqrt{-}$ (Low)	10.7±0.3V	11.2±0.3V	21.6±0.3V	23.0±0.3V

(Reference Section 5 Vehicle Battery Protection Setting)

When the Blizzard Box is powered by a vehicle starter battery, High Mode Setting is recommended to warrant the vehicle's battery power is high enough to ensure starting.

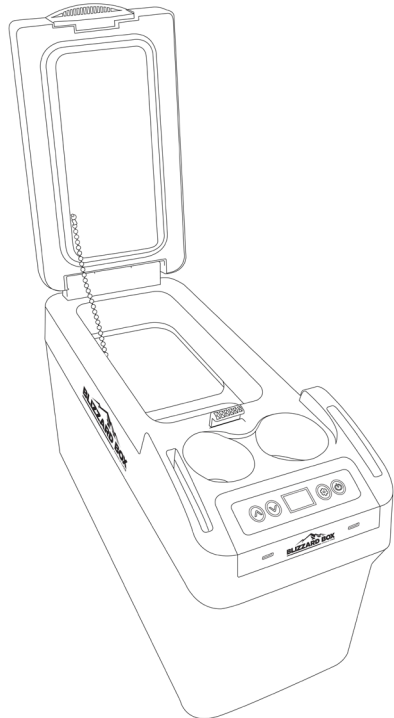
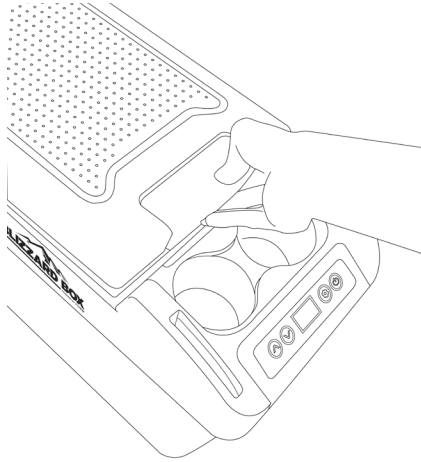
If you use an additional battery (RV, campers) as a power supply, Low Mode Setting is recommended.

If you use an AC 110V Power Converter (included), set the Battery Protection Setting to Low Mode.

After power loss or shutting off the Blizzard Box will retain last setting and will restart when power is restored.

OPERATION CONTINUED:

9. Blizzard Box Lid



OPERATION CONTINUED:

10. Temperature Tips

Suggested Storage Temperatures	Temp.
Beer (Light), Sparkling Wines, Champagne	41°F / 5°C
Beer (Craft), White Wine	46°F / 8°C
Beer (Rich flavor), Red Wine	53°F / 12°C
Soda / Pop	40°F / 4°C
Fruit & Veggies (Cool Season)	32-35°F / 0-1.6°C
Fruit & Veggies (Warm Season)	45-55°F / 7-12°C
Meat & Fish	41°F / 5°C
Dairy	35°F / 1.6°C
Eggs	45°F / 5°C

- Blizzard Box is designed to maintain chilled temperatures of food and beverages.
- Pre-cool Blizzard Box before storing food or beverages.
- Pre-cool food or beverages before storing in Blizzard Box.
- Avoid leaving the lid open for extended periods of time

OPERATION CONTINUED:

Cleaning and Maintenance

WARNING: Always disconnect Blizzard Box from power before cleaning or servicing.

WARNING: Do not use abrasive cleaning agents or hard objects during cleaning as these can damage the Blizzard Box.

- Occasionally clean the device interior and exterior with a damp cloth.
- Clean heat dissipation window frequently to ensure good heat dissipation.
- Do not turn Blizzard Box on its side or upside down. Keep upright.
- If not in use leave lid open to prevent mold from developing inside of the fridge.

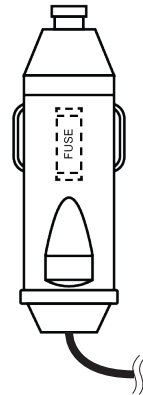
Defrosting: Humidity can form frost in the interior of the cooling device or on the evaporator. This reduces the cooling capacity.

Defrosting steps are as below:

- Remove the contents from the Blizzard Box and store them in another cooler if necessary.
- Disconnect the power of the Blizzard Box. Open the lid, and keep it open until the ice and frost melt away.
- Use clean cloth to wipe up the defrosted water.
- Never use hard or pointed tools to remove ice or to loosen objects which have frozen in place.

Replacing a defective fuse:

- Unplug the DC power plug;
- Turn the cap counter-clockwise to open it, and remove the defective fuse from the plug;
- Insert a new fuse that has the same rating (15A 250V);
- Close and tighten the cap.



WARNING:

IMPORTANT SAFETY INSTRUCTIONS

1. SAVE THESE INSTRUCTIONS – This manual contains important safety and operating instructions.
 2. Before using this product, read all instructions and cautionary markings.
 3. Do not expose the product to rain, moisture, or snow.
 4. Use of an attachment not recommended or sold by the product manufacturer may result in a risk of fire, electric shock, or injury to persons.
 5. To reduce risk of damage to cigarette lighter connector and cord, pull by cigarette lighter connector rather than cord when disconnecting the product.
 6. Make sure cord is located or routed so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
 7. Do not operate with damaged cord or cigarette lighter connector – replace it immediately.
 8. Do not operate the product if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified service person.
 9. Do not disassemble the product; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
 10. To reduce risk of electric shock, unplug charger before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.
- Pay attention to the voltage description on the rating label, and ensure that the power cord is connected to right power outlet.
 - If either of the provided power cables are damaged they must be replaced by PROJECT X, customer service or a similarly qualified person in order to prevent safety hazards.
 - Disconnect the power supply prior to cleaning, maintenance or stop use.

NOTICE! Danger of damage! Warnings and Precautions

The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Disconnect the Blizzard Box from the vehicle battery before you connect the vehicle battery to jump starter or quick charging device.

WARNING CONTINUED:

Over-voltage can damage the electronics of the device.

- Blizzard Box can only be maintained by authorized person, improper maintenance may lead to unexpected dangers or damages.
- Corrosive materials should not be stored in Blizzard Box.
- The Blizzard Box should be used, kept and stored in a dry place, avoiding water splashes, rain, or other moisture. Do not immerse in water.
- Do not place the appliance near heat sources such as heaters or direct sunlight.
- Make sure well-ventilated for heating yield.
- The Blizzard Box is not intended for use by children.
- Children should be supervised to ensure that they do not play with the appliance.
- The appliance is only to be used with the power converter unit provided with the appliance.
- Do not turn the Blizzard Box on its side or upside down. If it is staged on its side or upside down, put the unit back to horizontal for 2 hours before operation.

WARRANTY:

Limited Warranty: PROJECT X warrants, to the original purchaser, that its products are free from defects in material and workmanship for 1 year from the date of original purchase.

Conditions of Warranty: If during the 1 year warranty period your new product is found to be defective, PROJECT X will repair such defect without charge for parts or labor, or will replace the product, subject to the following condition:

1. All repairs must be performed by PROJECT X.
2. All warranty claims must be accompanied by a copy of the sales receipt or bill of sale.
3. The equipment must not have been altered or damaged through negligence, accident, improper operation, or failure to follow the product instructions for installation, use, or care.
4. The replacement of parts is excluded from the warranty when replacement is necessary due to normal wear and tear.
5. Repair or replacement parts supplied by PROJECT X under this warranty are protected only for the unexpired portion of the original warranty.
6. This is a “repair or replace” warranty only, and does not cover the costs incurred for the installation, removal or reinstallation of the product, or damage to any mobile phone, electronic device or vehicle.

Limitations of Warranty

This limited express warranty is the exclusive warranty. Neither PROJECT X nor its third party suppliers makes any other warranty, whether express or implied. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES (INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE DISCLAIMED.

Limitations of Liability and Remedy

This limited express warranty is the exclusive remedy provided by PROJECT X for a product defect. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, PROJECT X AND ITS THIRD PARTY SUPPLIERS SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, UCC, OR ANY OTHER LEGAL THEORY, EVEN IF SUCH DAMAGES ARE FORESEEABLE AND EVEN IF PROJECT X HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

WARRANTY CONTINUED:

BLIZZARD BOX

MODEL#: AC532650

Responsible Party:

PROJECT X

2975 Red Hill Ave., Ste. 100, Costa Mesa, CA 92626, USA

Tel: 1-866-294-9244

FCC Compliance Statement:

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.)

WARNING: This product can expose you to chemicals including DEHP and DINP, which are known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

NOTE:

- This type of fridge has a compressor pump and it doesn't run continually. After the Blizzard box is cooled down to set temperature the pump only turns on "as needed" with 45 watt draw at 12 volts. When the Blizzard Box first starts and is cooling down it does run full time at 45W until set temperature. The Blizzard Box will then cycle on and off "as need" to hold set temperature depending on outside temperature.
- Compressor has a momentary starting surge current of 10 amp at 12 volts.
- The Blizzard Box is able to operate by AC adapter with 12V 3.8A output or 24V 1.9A output.*

TROUBLESHOOTING:

Issue	Cause	Remedy
is not on or Blizzard Box does not work.	No Power Input	Check whether input power is functional or not. The engine must be on in most vehicles to provide the power
	Blizzard Box fuse burnt.	Change fuse.
	Vehicle-mounted fuse burnt.	Refer to vehicle operating manual to change fuse.
	Car plug socket does not connect well.	Clean the socket and check whether plug connects correctly

Error Code	Problems	Solution Method
Er0	Temperature sensor cutting out	Change the temperature sensor line
Er1	Vehicle battery protection activated	1. Change/charge the battery 2. Lower battery protection switch to lower setting
Er2	Fan overload cutting out	Clean fan or change the fan
Er3	Motor start error (the motor is blocked or the differential pressure in refrigeration system is too high)	Disconnect power for 30 minutes then re-start
Er4	Compressor speed error protection	Reduce load on refrigeration system, increase temperature setting. Change the main controller
Er5	Thermal cut-out (overload or internal temp too high)	Move refrigerator to a well ventilated place, allow compressor to cool, then re-start. Ensure all vents and internals are clean. Clean with compressed air.
Er9	Temperature sensor disconnection	1. Tighten the temperature sensor line 2. Change the temperature sensor line

Have a comment or question? Email us at: info@projectxoffroad.com or visit us online at www.projectxoffroad.com

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Mon-Sat 8am-5pm PST