



User Manual and Product Specifications



CSI BRUTE 63QT REFRIGERATOR/FREEZER PART#W53

Insulating Blanket PART#W54 (Sold Separately)

IMPORTANT
Read instructions before operation

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PLEASE READ ALL INSTRUCTIONS AND THE SAFETY SECTION CAREFULLY BEFORE USING YOUR REFRIGERATOR/FREEZER. KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.

PART#W53 Black Ice Refrigerator/Freezer

What's Included in the box:

- x1 #W53 Black Ice Refrigerator/Freezer
- x1 12V Cable
- x1 Power Supply
- x1 110V Cable
- x1 Removable Partition
- x2 Removable Basket
- x1 Operations Manual

Key Product Features:

- 12/24V or 110V operation
- Quiet compressor operation
- 63QT of holding capacity (57 12ozs cans)
- Removable partition with sensor
- Automatically changes to single zone when removed
- Dual removable baskets
- Rear wheels and extendable handle for mobility
- USB charging port
- LCD controls with two individually adjustable zones of cooling/freezing
- CSI downloadable app for smart phone control
- Available accessories – insulation cover (#W54), vehicle mount with slide (#W57), portable battery (#W59)
- 3 levels of adjustable battery protection to eliminate discharged batteries
- Built in LED lighting
- Drain plug in bottom for easy clean out
- Hi/low compressor mode for energy saving or max cooling

Downloadable CSI Black Ice app for smart phones and tablets:

- Shows voltage, temp, and battery condition if connected
- Allows adjustment of temperature, battery protection, compressor speed, °F or °C, and all settings
- Can turn on or off via the CSI Black Ice app
- Compatible with iOS and Android mobile devices

To download the CSI Black Ice app:

- Apple phone/tablet: Visit the Apple app store and search CSI Black Ice, download the app to your phone or tablet
- Android phone/Tablet: Visit the Google Play store and search CSI Black Ice, download the app to your phone or tablet

1. SAFETY INSTRUCTIONS

- Warning: Do not touch exposed cables w/your bare hands when operating the refrigerator/freezer
- Warning: It is dangerous to touch the plug with wet hands. When using the refrigerator/freezer in a vehicle or boat, please make sure the electricity has a fuse if using the main power source.
- The installation of a DC power source on a boat should be handled by qualified personnel
- Make sure the voltage is correct.
- Do not place any electrical devices inside the refrigerator/freezer
- Please keep the refrigerator/freezer away from any substance that may cause electrocution or fire
- The refrigerator/freezer is not intended for use by young children without adult supervision
- Do not turn the refrigerator/freezer upside down to drain liquids. Use the drain plug and a dry cloth
- Do not put any objects in the air inlet or outlet vents
- Turn off and disconnect the refrigerator/freezer from the power source before cleaning

2. NOTES ON USING THE PRODUCT







- Your refrigerator/freezer requires good ventilation, especially around the back of the unit. Allow a gap of at least 8 inches (200mm) around the back and 4 inches (100mm) on the other sides
- Avoid humidity: Humidity inside the refrigerator/freezer can form frost and impair cooling. Defrost the refrigerator/freezer before frost is formed. Never clean the refrigerator/freezer under running water or immerse in water
- Avoid placing your refrigerator/freezer near a heat source. This will help the refrigerator/freezer to work more efficiently and keep its contents cool
- Place the refrigerator/freezer on a flat surface and away from any ledges. When placing the refrigerator/freezer into a vehicle, use straps to fasten it securely

3. OPERATING INSTRUCTIONS

- **POWER:** The refrigerator/freezer controls the compressor system and adds battery protection. When the input voltage is at minimum value, it will stop the compressor; when the voltage comes back to the normal value, the compressor will automatically restart
- **BATTERY PROTECTION:** Select low, med or high settings. Below you can find the battery voltage levels values when the compressor stops running (cut-out) & when the compressor restarts (cut-in)

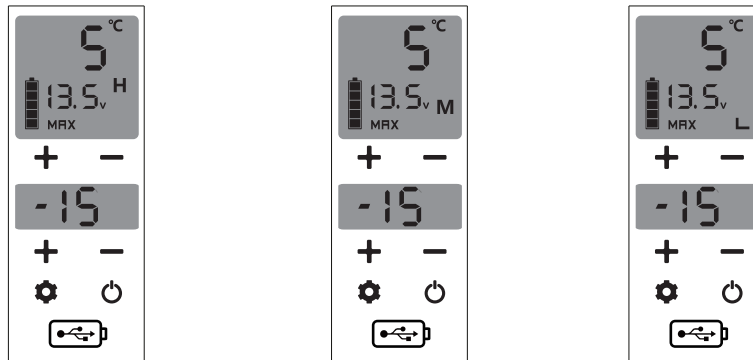
BATTERY PROTECTION	12V CUT-OUT	12V CUT-IN	24V CUT-OUT	24V CUT-IN
LOW	8.5V	10.9V	21.3V	22.7V
MED	10.1V	11.4V	22.3V	23.7V
HIGH	11.1V	12.4V	24.3V	25.7V

BATTERY ELECTRIC POWER DISPLAY IF CONNECTED TO W59 PORTABLE BATTERY

Battery	section	LCD Display	Battery level
	1		9.7V
	2		10.4V
	3		11.1V
	4		11.8V
	5		12.5V
	6		13.2V

INSTRUCTIONS FOR IN-VEHICLE USE

- The refrigerator has a 3-level battery protection function, which not only guarantees the normal operation of the refrigerator but also protects the battery of the vehicle. When in the power-on state, press the SET button for 3 seconds and the display screen flashes H. Select low voltage protection L (low), M (medium) and H (high) by pressing the SET button. The factory defaults to H (high) protection.

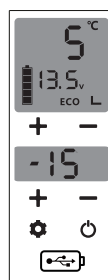
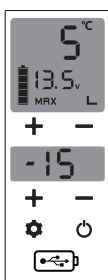


- H (high) should be set when the refrigerator is connected to the car power and M (medium) or L (low) should be set when it is connected to a portable backup battery. Because of the different output voltage between different vehicles, the battery gear can be set from H (high) to M (medium) or M (medium) to L (low) if there is a voltage protection code F1 displayed on the panel. The battery gear should be set to H (high) if the refrigerator needs to keep working after turning off the car engine and to avoid the possibility of overuse or draining the battery to the point where the vehicle cannot be restarted.

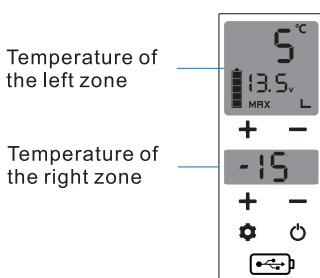
4. OPERATION METHOD



- Connect to the power source, press the ON/OFF button for 3 seconds to show inner temperature and start the compressor to enter cooling mode
- Press the ON/OFF button for 3 seconds to turn the refrigerator/freezer off
- Only 1 temperature will display if the inner middle plate has been removed

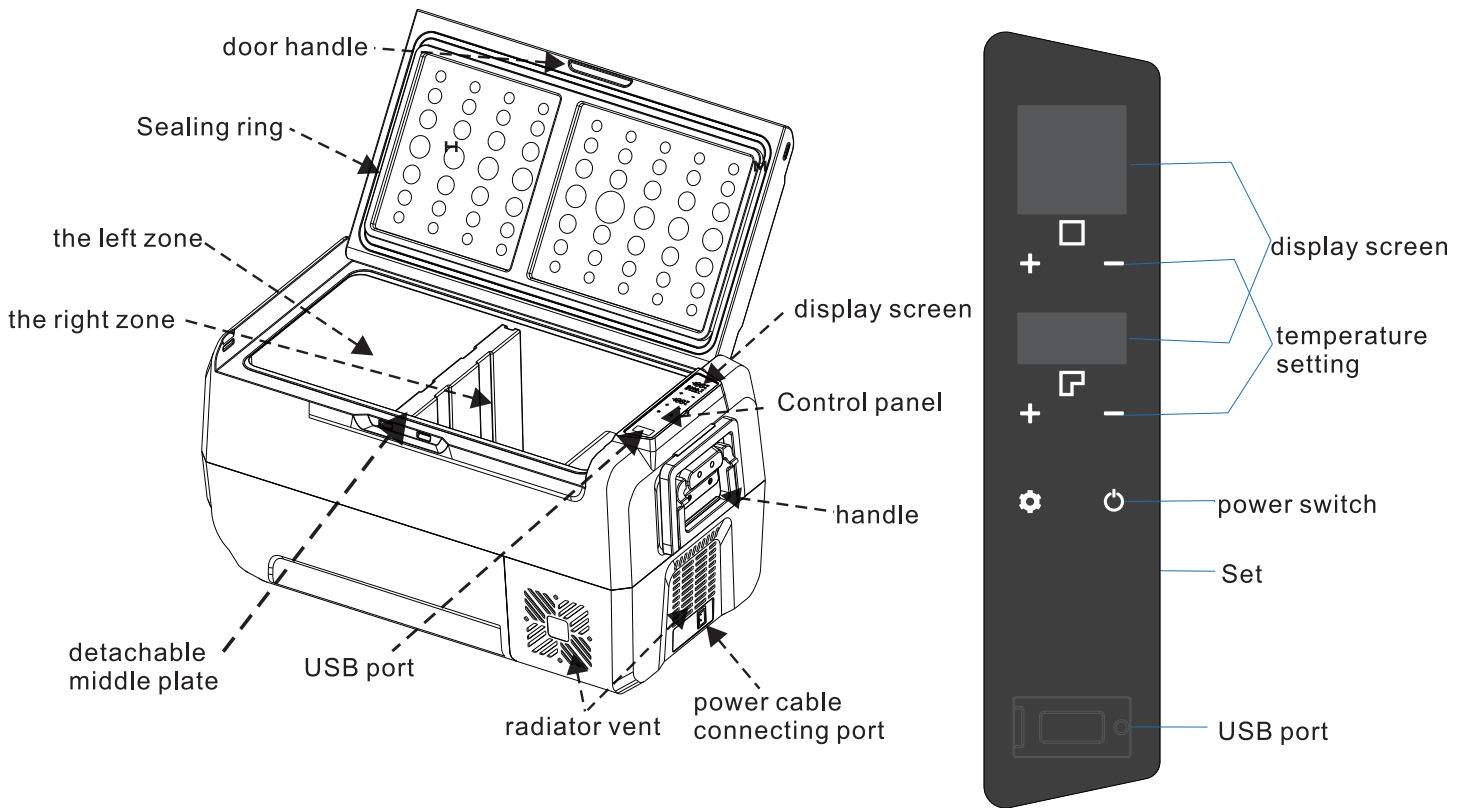


- To change mode settings, press the gear button ECO (energy saving mode) or MAX (fast cooling mode). MAX is the factory setting.



- Press the + or - buttons to set the temperature between 50°F to -4°F (10°C to -20°C)

5. COMPONENT DETAILS



6. CLEANING AND MAINTENANCE

- Do not spray down or immerse in water
- Always unplug before cleaning the refrigerator to avoid electric shock

- Drain the refrigerator simply by removing the stopper in the bottom



- Clean and rinse with soft damp cloth



Follow below instructions if unit will not be used for extended time period

- Turn it off and unplug
- Remove all contents
- Drain any water and dry it with a soft cloth
- Store in clean, dry, temperate area

6. TROUBLESHOOTING

THE REFRIGERATOR/FREEZER IS NOT WORKING:

- Check the power supply
- Check whether the plug and the socket have a good connection
- Check whether the refrigerator/freezer has been turned on

THE FOOD INSIDE IS FROZEN:

- The temperature setting is too low

BAD PERFORMANCE IN REFRIGERATION:

- The door is not fully closed
- The door seal is broken
- Never place heated food inside the refrigerator/freezer. Always allow food to cool at room temperature before placing in the unit
- Problems arising from poor ventilation - There is not enough room around the unit:
See page 3, #2 "Notes on using the product")
- There is a source of heat around. Never place near a heat source
- The temperature setting is inappropriate

NOISE? RATTLING?

- The refrigerator/freezer is not placed on a level surface
- The unit is touching a wall or surface other than the floor
- You may hear liquid sounds from inside the unit, this is normal, due to the flow of the refrigerant

ERROR PROTECTION FUNCTION

ERROR CODE	PROBLEMS	SOLUTION METHOD
F1	Input low voltage protection	1. Charge the battery 2. Lower battery protection switch
F3	Compressor protection	Turn off power and wait 30 minutes, then restart
F5	Temperature of the unit is abnormal	Put unit in a ventilated place, allow to cool, then restart

7. PROTECTION OF THE ENVIRONMENT

- PLEASE DO NOT DISPOSE of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary

