



## User Manual and Product Specifications



## CSI BRUTE 52QT FRIDGE/FREEZER PART#CSIW52

*Insulating Blanket PART#CSIW50*

**IMPORTANT**  
**Read instructions before operation**

Please read these instructions and the Safety section carefully before using your refrigerator.

Keep the instructions for future reference.

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### **Key Product Features:**

- The most reliable portable cooling system in the world.
- Electronic, high efficiency, low energy consumption.
- Multi-voltage DC system (12 and 24 Volt )
- Adjustable battery protection helps protect your vehicle battery (DC only).

### **1. Safety Instructions**

- Warning: Do not use your unit if any cabling is damaged, frayed or there is exposed wiring.
- Warning: Do not attempt or continue to operate your unit if it is wet.
- When using the unit ensure the circuit being used has a fuse or circuit breaker, recommended size for DC 12 Volt is 15 Amp, DC 24 Volt is 7.5 Amp.
- Make sure the voltage is within the correct range for socket and cable being used. The technical data label on the side of the unit shows the voltage ranges.
- Do not place any electrical devices inside the refrigerator as they may be damaged.
- The appliance shall not be exposed to rain, or any other source of water.
- Please keep the appliance away from flammable substances which can cause ignition.

- The appliance is not intended for use by young children unless they have been adequately supervised by a responsible person to ensure that they can use the unit safely. Young children should be supervised to ensure that they do not play with the appliance.

## 2. Notes on using the product

- Your unit requires good ventilation, especially around the back of the refrigerator; allow a gap of at least 4" (100mm) around all sides.
- Do not allow a large amount of frost to build up on the inside walls as this may impair cooling. Defrost by turning the unit off, allowing the frost to melt and wiping out the water.
- The lower the ambient temperature, the lower the power usage, in order to maximize efficiency keep the unit in a cool location out of direct sunlight.
- It is recommended to operate the unit on a flat surface, but it will operate at angles up to 30°.
- Never place hot food or drink in the appliance
- Please remove the door before you dispose your of refrigerator.

## 3. Operation

- Power: Both DC (12 and 24 Volt)
- Battery Protection: Selecting the Low, Med, High positions of the switch (next to the DC power socket), you can choose different levels for battery protection. In the below table you can find the voltages when the compressor stops running (cut-out) and when the compressor restarts working (cut-in).

BATTERY PROTECTION	12V CUT-OUT	12V CUT-IN	24V CUT-OUT	24V CUT-IN
LOW	10.2V	11.2V	21.6V	23.0V
MED	10.7V	11.7V	22.6V	24.0V
HIGH	11.7V	12.7V	24.6V	26.0V



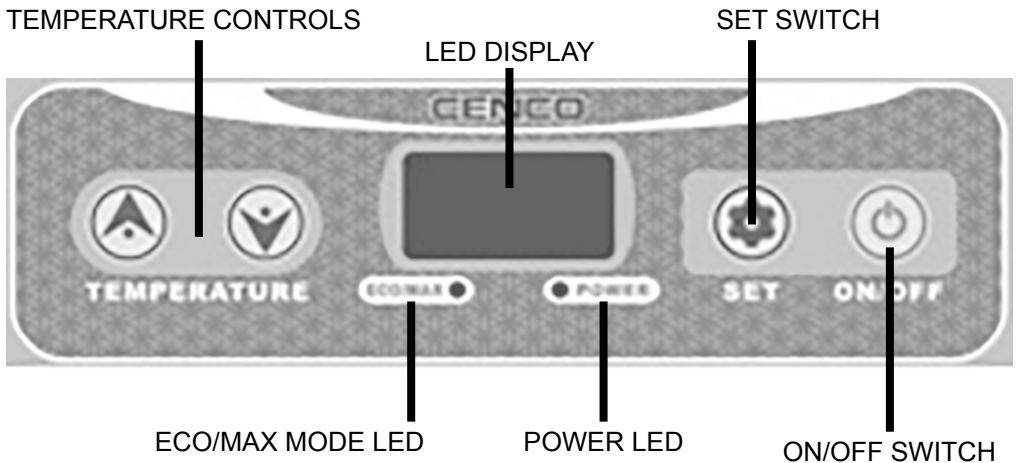
BATTERY PROTECTION  
PRE-CONFIGURED SETTINGS

Battery protection allows you to leave the unit in the vehicle and the fridge/freezer will shut down before draining the vehicle battery below the set voltage level.

- **Cable Length Specification**

The DC cables must have a suitable cross-section for their length (measured from the battery to the unit), according to this table:

CABLE THICKNESS  AWG	12V MAX CABLE LENGTH		24V MAX CABLE LENGTH	
	[m]	[ft.]	[m]	[ft.]
14	2.5	8	5	16
12	4	13	8	26
10	6	20	12	39
8	10	33	20	66



Temperature setting range: -4°F to 50°F (-20°C to 10°C)

The LED Display range: -40°F to 113°F (-40°C to 45°C)

- Plug in the DC power. Press the button ON/OFF to turn the unit on. The LED display on the control panel will turn on and the interior temperature is displayed.
- Press the temperature buttons UP or DOWN to adjust to the desired temperature.
- To change from Fahrenheit to Celsius press the SET button once for Fahrenheit and twice for Celsius.
- To change compressor modes, press the SET button three times for Economy (ECO) and a green light will illuminate. Press the SET

button four times for MAX (HH) and a red light will illuminate.

*The economy mode runs the compressor at a lower speed to save power; the maximum mode runs the compressor at a higher speed increasing power usage. Maximum mode is useful if the ambient temperature is over 86°F (30°C) or fast cooling is required.*

- If the power supply is cut off or disconnected, the unit will switch off automatically and once the power supply is restored it will automatically switch back on.

#### **4. Cleaning and maintenance**

- Please cut off the power before cleaning appliance, clean the appliance inside and out with a clean damp cloth every week. If it is dirty, use sodium bicarbonate dissolved in lukewarm water to clean the unit.
- Never use abrasive products, detergents or soap. After cleaning, wipe out with a clean damp cloth and dry carefully.
- Do not store products inside unit if the unit is not on.
- Do not store the unit if it is wet inside or without leaving the lid open.
- Never clean the unit under running water or in dish water. Do not use abrasive cleaning agents or hard objects during cleaning as these can damage the unit.



#### **5. Troubleshooting**

##### **A. The unit is not turning on**

- Check whether the unit has been turned on
- Check the power supply (try a different power source, i.e. different vehicle or power socket)
- Check whether the plug and the socket have a good connection.
- Check whether the fuse has been burned out or blown

##### **B. Low refrigeration performance**

- Too much product been placed inside the unit

- There is too much warm product inside the unit
  - The lid is unlatched or open
  - The lid seal is broken
- C. Problems arising from poor ventilation  
(ensure at least 4" (100mm) of space around all sides)
- The ambient temperature is too high
  - The temperature setting is too high
- D. Can hear the sound of running water from inside the unit
- This is normal, due to the flow of refrigerant in the unit.
- E. Unusual noise when refrigerator is working
- The refrigerator is not placed on a level surface

## 6. Error Protection Function

This unit has built-in error protection. If a problem occurs the display panel will show one of the following error codes: ER0, ER1, ER2, ER3, ER4, ER5, ER9, and the compressor will shut down. Turn off the unit and allow it to cool down for 30 minutes. Make sure it is on a level surface and nothing is blocking its ventilation. Restart the unit. If the problem persists please contact your distributor.

## 7. International Certification Approvals

SAA

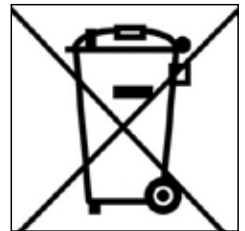
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## Guidelines for protection of the environment

### DISPOSAL

- Do not dispose this product as unsorted municipal waste.
- Collection of such waste separately for special treatment is necessary.
- Do not dispose of electrical appliances as unsorted municipal waste.
- Use separate collection facilities.
- Contact your local government for information regarding the collection systems available.
- If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.



Note: This product may lengthen or shorten its freezing time according to the changes of ambient temperature.