

USER MANUAL

Version:v1.0



CLACIER CYBER I
COMPRESSOR CAR REFRIGERATOR

Contents

Thank you for purchasing our company's Cybertruck Central Control In-Car Refrigerator! To ensure you use the product safely, correctly, and efficiently, please read this manual carefully before use and keep it in a safe place for future reference.

Safety Instructions and Usage Precautions	1
Car Refrigerator Specifications	2
Component Introduction	2
Installation Method	3
Usage and Operation Tips	5
System Control	8
Error Code Explanation	9
Troubleshooting	10
Cleaning and Maintenance	11

Safety Instructions and Usage Precautions

Before using this product, please carefully read and follow these safety guidelines. By using this product, you acknowledge that you have read and accepted all terms related to it. You agree to take responsibility for your use of this product and any potential consequences. Our company is not liable for any damage to the product, personal injury, or legal responsibility arising from improper use.

- Do not twist or damage the power cord.
- Do not pull the refrigerator using the power cord.
- Do not pull the power cord on sharp edges or corners.
- Do not touch exposed, non-insulated power wires.
- This product contains a compressor component. After receiving the product, allow it to sit flat for 4 hours before use.
- Do not place the product upside down or tilt it beyond 45 degrees to avoid malfunction.
- Do not block the refrigerator's ventilation openings. When placing the refrigerator in the vehicle, ensure there is at least 10 cm of space around the ventilation holes. If the ventilation openings are blocked, the refrigerator may stop functioning due to high temperature protection.
- It is not recommended to place or store items on top of the refrigerator. Moreover, do not apply weight to the display/operation panel area.
- Do not use hard or sharp tools to remove ice inside the refrigerator. Never use abrasive materials or solvents to clean the refrigerator.
- Before use, clean the inside and outside of the car refrigerator with a damp cloth. Do not store corrosive liquids. Regularly clean the interior of the refrigerator to prevent odors and bacteria, ensuring food safety. If the refrigerator is not used for a long period, disconnect the power and keep the interior and exterior clean and dry.
- This product is not suitable for use by individuals with physical, sensory, or mental impairments, or those who lack experience and knowledge (including children), unless supervised and guided by a responsible person to ensure safety.
- Children should be supervised to prevent them from using the car refrigerator as a toy.

Car Refrigerator Specifications

Product Name: Cybertruck Car Refrigerator

Compatible Model: Cybertruck

Color Style: Black

Material: ABS + PMMA + Leather

Capacity: $\approx 18\text{L}$

Power Supply Voltage: AC 100 ~ 240V to DC 14.5V; DC 12 ~ 24V

Rated Power: Cooling Power 50W + Charging Power 40W

Cooling Principle: DC Inverter Compressor

Temperature Adjustment: -6°C to 20°C

Control Method: Intelligent Button Control

Function Modes: Extreme cold Mode, Refrigeration Mode, Energy-saving Mode

Installation Location: Between the central armrest box channels

Type-C Power: Single Port Use: C1: 20W (Max), C2: 20W (Max)

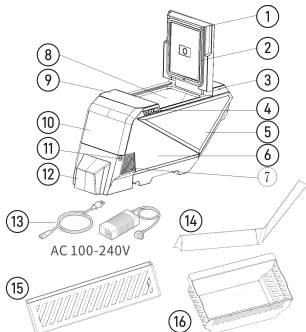
Dual Port Use: C1 + C2 = 40W (Max)

Component Introduction

Before using the product, please read this manual carefully and keep it in a safe place.

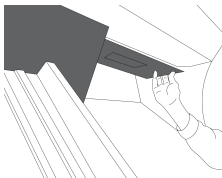
Note: The illustrations of the product, accessories, user interface, etc., in this manual are schematic diagrams for reference only. Due to product updates and upgrades, the actual product may differ slightly from the illustrations. Please refer to the actual product.

- | | |
|--------------------------|-------------------------|
| 1. Door | 12. AC Power Adapter |
| 2. Seal Strip | Compartment |
| 3. USB-C Port | 13. AC Power Adapter |
| 4. Control Buttons | 14. Protective Baffle |
| 5. Side Panel | 15. Side Storage Basket |
| 6. Casing | 16. Drawer |
| 7. Ventilation Grill | |
| 8. Cooling Box | |
| 9. Display Screen | |
| 10. Compressor Cover | |
| 11. Wire Protection Coil | |

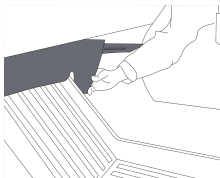


Installation Method

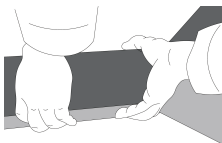
1. Remove the right-side panel of the original vehicle;



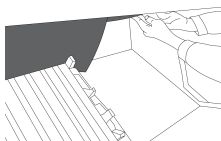
2. Remove the protective panel below the glove compartment;



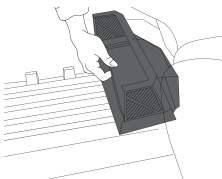
3. Take out the right-side panel of the original vehicle;



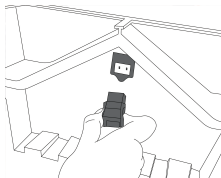
4. Reinstall the protective panel below the glove compartment;



5. Place the AC power adapter compartment;

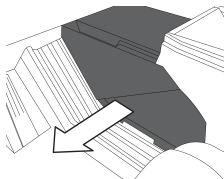


6. Position the refrigerator in the right passenger seat, and insert the refrigerator's plug terminal into the DC socket of the power adapter compartment;

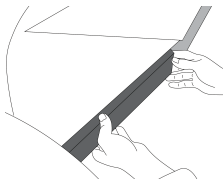


Installation Method

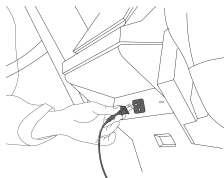
7. Push the refrigerator into place from the side, ensuring that the cables do not obstruct the process;



8. Attach the included protective baffle;



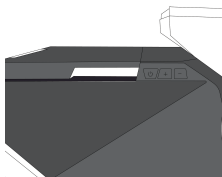
9. Insert the AC power plug of the power adapter into the power outlet below the second-row air conditioning vent;



10. Let the unit sit for 4 hours before turning it on;



11. Press and hold the power button for 3 seconds to start the refrigerator.



Usage and Operation Tips

1.First Use

(1) Before use, please remove all packaging materials. If the refrigerator's outer shell has a protective film, please peel it off.

(2) For the first use, after installation, allow the refrigerator to sit for at least 4 hours before pressing the power button. Once powered on, the refrigerator will automatically enter the factory default settings.

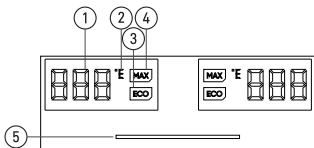
(3) Avoid leaving the door open for long periods, as the large temperature difference between the inside and outside of the refrigerator can cause frost buildup, which affects cooling performance. Therefore, regular defrosting is recommended.

(4) Keep the refrigerator away from heat sources and avoid direct sunlight, as this can damage the cooling performance and efficiency.

(5) When handling, do not invert, lay horizontally, or subject the refrigerator to vibration.

2.Panel Display:

1. Digital screen
2. °C/ °F Temperature unit
3. Energy saving mode indicator light
4. Extreme cold mode indicator light
5. Indicator light



Display Functions:

(1) When the refrigerator is powered on, the status indicator light will flash (blue light).

(2) When the refrigerator starts and the compressor is running, the status indicator light will remain solid blue. When the compressor stops, the status indicator light will pulse (blue light), indicating the refrigerator is in insulation mode. If there is a compressor failure, the status indicator light will turn red.

(3) The temperature display range is -6°C to 70°C . If the ambient temperature exceeds 70°C , the display will show 70°C .

(4) Temperature control range: -6°C to 20°C , with the factory default set to -6°C .

(5) Temperature display: Accuracy $\pm 1^{\circ}\text{C}$.

Usage and Operation Tips

3.Button Functions:

(1) Power On/Off:

When powered on, press and hold the "Power" button for 3 seconds to turn on the refrigerator. The current temperature inside the box will be displayed, and it will begin operation. Press and hold the power button for another 3 seconds to turn off the refrigerator. If no new settings are made after powering on, the refrigerator will default to the temperature set during the previous use.

(2) Temperature Adjustment:

In the powered-on state, briefly press the "+" or "-" button to display the current set temperature, which will flash. Press the "+" or "-" button again to increase or decrease the set temperature. While the temperature is flashing, press and hold the "+" or "-" button, and the set temperature will adjust linearly at 8 degrees per second. The temperature adjustment range is from -6 °C to +20 °C.

(3) Ultra-Cold Mode:

Press the "-" button to reach -6 °C, then press the "-" button again to display L0 mode, which is activated. L0 mode forces the compressor to run continuously without stopping (the default operation time for this mode is 2.0 hours). After the compressor runs for 2.0 hours, the display will switch to show the current temperature inside the box, and it will continue to operate with the set temperature of -6 °C for cycling on and off. If the user presses the "+" or "-" button, the displayed set temperature will be -6 °C. To exit L0 mode, briefly press the "+" button to set the temperature to -6 °C.

(4) MAX/ECO Mode Switch:

In the powered-on state, briefly press the "Power" button, and the "MAX/ECO" indicator will flash. At this point, briefly press the "+" or "-" buttons to switch between MAX (Strong Cooling) or ECO (Energy Saving) modes (the default mode is MAX). If no operation is performed within 3 seconds, the system will return to standby mode.

(5) Celsius "C"/Fahrenheit "°F" Switch:

In the powered-on state, briefly press the "Power" button twice, and the "C/°F" indicator will flash. At this point, briefly press the "+" or "-" buttons to switch between Celsius and Fahrenheit modes. If no operation is performed within 3 seconds, the system will return to standby mode.

(6) Engineering Mode:

In standby mode, press and hold both the "+" and "-" buttons for 3 seconds to enter the engineering mode settings. After entering the menu, it will display F1. Briefly press the "Power" button to cycle through F1, F2, F3 functions. At this point, briefly press the "+" or "-" buttons to set the corresponding parameters. After completing the settings, the system will return to standby mode if no operation is performed within 3 seconds.

Usage and Operation Tips

The refrigerator compensation parameter table is as follows:

Code Indicator	Function	Setting Range	Default Factory Value
E1	Minimum Control Temperature (Cooling)	0°C ~ -20°C	-6°C
E2	Maximum Control Temperature (Cooling)	0°C ~ +20°C	+20°C
E3	Startup Temperature Difference	1 ~ 10°C	3°C
E4	Shutdown Temperature Difference	0 ~ 10°C	0°C
E5	Compressor Start Delay Protection (First Startup) 0 to 600S (each increment/decrement by 10S) 10S	0 ~ 600S (±10S with each press)	10S
F1	Temperature Compensation (Room Temperature to -6°C)	-10°C ~ 10°C	0°C
F2	Temperature Compensation (-6°C to -12°C)	-10°C ~ 10°C	0°C
F3	Temperature Compensation (Below -12°C)	-10°C ~ 10°C	0°C
F4	Switch °C/°F Temperature Unit	Knob Adjustment (change every 5 steps)	°C
F5	L0 Mode Time Adjustment	0.5 to 72 hours (each increment/decrement by 0.5h)	2.0h

(7) Restore Default Factory Settings:

In standby mode, press and hold the "+", "-", and "Power" buttons simultaneously for 5 seconds without releasing. The control board will restore the default factory settings, and "888" will be displayed for 3 seconds. At this point, all parameters will return to their factory default values. The factory default settings are as follows: Operation mode is MAX mode, Default set temperature is -6°C. After 5 seconds of inactivity, the system will automatically exit and return to standby mode.

System Control

1、Compressor Speed:

In ECO mode, the compressor speed is 2000r/min;

In MAX mode, the compressor speed is 3200r/min.

2、Fan Speed:

In L0 mode, the fan speed is 100%;

In MAX mode, the fan speed is 85%;

In ECO mode, the fan speed is 70%.

3、Delay Start Function:

After the system is powered on for the first time, the compressor will start with a 10-second delay;

During operation, when the compressor starts or stops, there will be a 3-minute delay before the compressor starts;

The fan delay is consistent with the compressor delay.

Error Code Explanation

When the refrigerator encounters a malfunction, the display screen will show the corresponding error code. The details are as follows:

Code	Problem Description
Er0	Indicates NTC (Negative Temperature Coefficient) fault. In this case, the compressor enters a timed working mode, running for 30 minutes and then stopping for 30 minutes
Er1	Indicates input voltage is too low
Er2	Indicates overcurrent protection for the cooling fan
Er3	Indicates abnormal compressor startup protection
Er4	Indicates abnormal compressor speed protection
Er5	Indicates high-temperature protection for the module
Er6	Indicates abnormal door open alarm due to prolonged door opening

Error Code Solutions:

1. When the digital display shows error code Er0: NTC temperature sensor fault, check if the temperature sensor terminals are loose;
2. When the digital display shows error code Er1: Input voltage is too low. Check if the power supply voltage is normal;
3. When the digital display shows error code Er2: Check if the fan is operating normally and inspect for any blockages;
4. When the digital display shows error codes Er3 or Er4: Compressor abnormal protection. Turn off the refrigerator for 15 minutes and then restart it;
5. When the digital display shows error code Er5: Module high-temperature protection. Check if the air inlets and outlets are blocked and if the fan is operating normally;
6. When the digital display shows error code Er6: Check if the door has been left open for too long. If the door is left open for more than 1 minute, the buzzer will alert for 10 seconds (with a 1-second interval). If the door remains open for more than 2 minutes, the buzzer will alert for 20 seconds. If the door is not closed for more than 3 minutes, the buzzer will continuously alert, and if it continues for 10 minutes without the door being closed, the refrigerator will automatically power off.

Troubleshooting

1. If the refrigerator is not working properly:

- (1) Check if the power supply is connected correctly (ensure the plug is not loose and the positive and negative terminals are connected properly);
- (2) Check if the power switch on the control panel is turned on;
- (3) Check if the fuse has blown and if the ventilation is working properly;
- (4) Compressor delay start protection will be active for 10 seconds after powering on.

2. If the refrigerator's cooling performance is poor:

- (1) Check if the refrigerator door is closed properly;
- (2) Check if the door seal is damaged;
- (3) Check if the ventilation around the refrigerator is adequate;
- (4) Avoid putting too many hot items inside the refrigerator;
- (5) Ensure the refrigerator is not exposed to strong sunlight or placed near heat sources;
- (6) Check if the temperature setting is correct.

3. If the refrigerator makes abnormal noises:

- (1) Ensure the refrigerator is placed on a stable surface;
- (2) Check if any parts inside the refrigerator are loose or detached;
- (3) If you hear a flowing sound inside the refrigerator, this is the sound of refrigerant flowing, which is normal;
- (4) The compressor may produce louder noise at startup as the motor accelerates from a standstill to high speed. Once the compressor reaches stable speed, the noise will decrease. This is a normal occurrence.

4. If condensation appears on the surface of the refrigerator:

When the environmental air humidity is greater than 75%, condensation may form on the surface of the refrigerator. This is normal as water vapor in the air condenses when it meets the cooler refrigerator surface. Wipe the condensation off with a towel (increasing the cooling temperature may help reduce condensation).

Cleaning and Maintenance

1.Preparation before cleaning:Before cleaning, turn off the refrigerator, unplug it, and remove any items from inside the refrigerator.

2.Cleaning the refrigerator:Clean and maintain the refrigerator every week. Wipe the inside and outside surfaces with a damp cloth. If the surfaces are very dirty, use a neutral detergent and then wipe with a damp cloth.

3.Cleaning the door:Take care of the door seal to keep it clean. Avoid getting oil stains or deforming the seal during use. If substances like oil or soy sauce stay on the plastic parts for a long time, they can cause plastic aging, cracking, and odors. Therefore, the refrigerator door should be regularly cleaned.

4.Defrosting regularly:If there is a thick frost layer inside the refrigerator, it may affect cooling performance. Remove all items from the refrigerator, wrap them up, unplug the power, and wait for the frost to melt. Then wipe the water with a soft cloth. Plug the refrigerator back in and restart it. Always unplug the refrigerator before defrosting and clean the freezer section thoroughly after defrosting. Never use metal or sharp tools to defrost the refrigerator to avoid damage. Do not use electric heaters for defrosting.

5.Precautions:Never wash the refrigerator directly with water, as it could reduce electrical insulation and cause metal parts to rust. Alkaline detergents, soap, abrasive powders, hot water, brushes, paint thinners, gasoline, alcohol, and other substances may damage the refrigerator's coating and plastic parts. These should not be used for cleaning.