

User Manual

Thermoelectric
Refrigerator
DTR-21I

DEXP

Dear Customer,

Thank you for choosing our products.

We are pleased to offer you appliances and devices designed and manufactured to the highest standards of quality, functionality, and design. Before using the device, please read this manual carefully. It contains important information regarding your safety, as well as recommendations for the proper use and care of the product. Please keep this manual in a safe place and use it as a reference guide during future operation of the product.

Intended Use

The device is designed to cool and maintain the temperature of food products in a vehicle.

Safety Precautions

- Please read this instruction manual carefully before use and keep in a safe place for future reference.
- Do not open the refrigerator door too frequently, especially in hot weather, and do not leave the lid open for too long.
- Do not overload the refrigerator with too many food items.
- Do not store flammable, explosive, volatile, or corrosive substances in or near the refrigerator to avoid damage to the device or fire.
- Do not use the device near sources of water or other liquids. Do not use the device in bathrooms, showers, pools, or other areas with high humidity. The proximity of water poses a risk, even when the device is turned off.
- For proper operation, adequate ventilation must be ensured. Never block the ventilation openings or use the device in a closed, unventilated area.
- Protect the external ventilation openings from dust and debris.
- Always unplug the device when not in use and before assembling, disassembling, replacing accessories or cleaning.
- The device is not designed for cooling hot products or heating cold ones.
- This device is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the device.
- This device is not intended for commercial use.

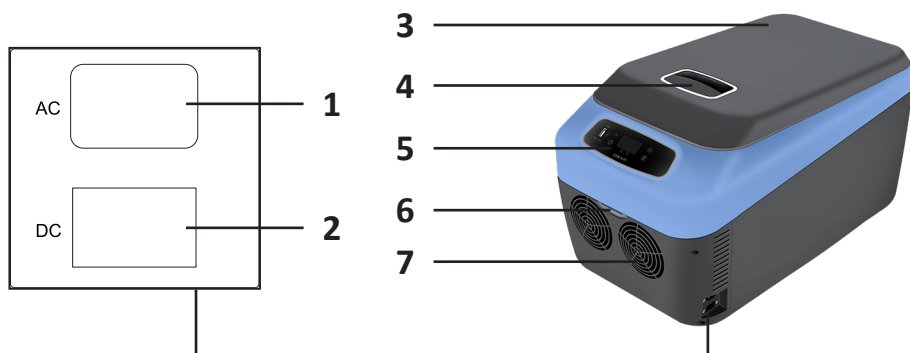
Package Contents

- Refrigerator.
- AC cable (220 V).
- DC cable (12 V).
- Removable strap.
- User manual.

Specifications

- Model: DTR-21I.
- Trademark: DEXP.
- Maximum cooling: 18 °C below ambient temperature.
- Maximum heating: 55 °C.
- Power supply types: Car cigarette lighter (12 V), AC mains.
- Cigarette lighter power supply voltage: 12 V.
- Mains power supply voltage: 220–240 V.
- Output current: 2 A.
- Output voltage: 5 V.
- Power consumption: 70 W.
- Noise level: 45 dB.
- Capacity: 21 L.
- Cooling method: Thermoelectric.
- Climate classes: N, SN.
- Number of compartments: 1.
- Protection class: II.
- IP code: IPX0.
- Cord type: X.
- Scope of application: Domestic.

Device Diagram

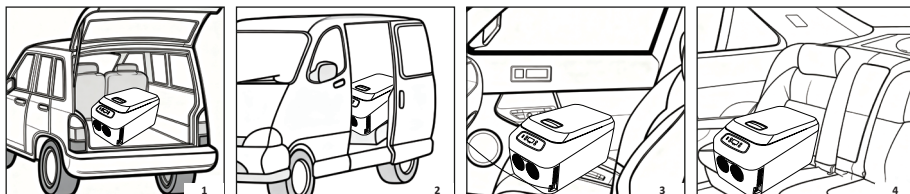


1. Power connector (220–240 V).
2. Power connector (12 V).
3. Lid.
4. Lid latch.
5. Control panel.
6. Removable strap attachment point.
7. Air intake vent.

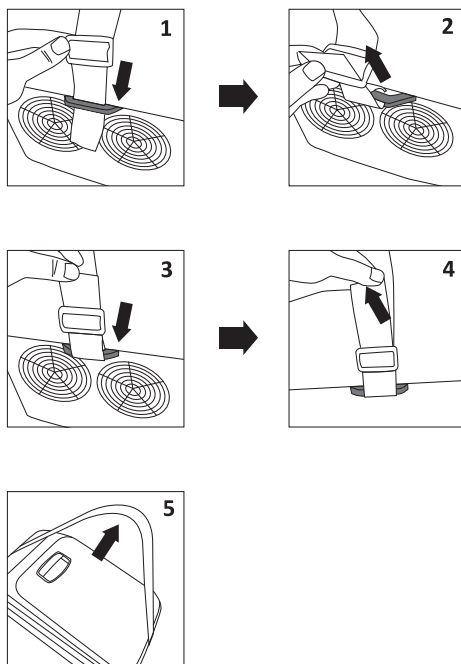
Installation

If you are using the device in a vehicle, it is recommended to place it in the luggage compartment (Fig. 1) or on the middle row of seats (Fig. 2) in a station wagon. It is also recommended to transport the device on the seat next to the driver (Fig. 3) or on the back seat (Fig. 4) in a sedan.

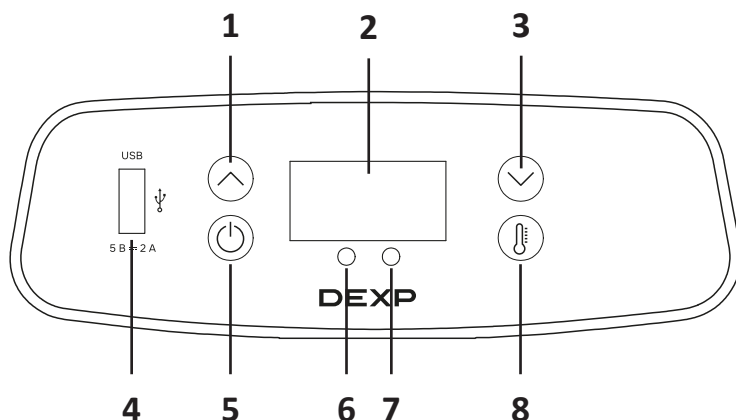
Attaching the Strap



1. Insert the strap into the mount, as shown in the figure, and pull it down.
2. Insert the free end of the strap into the locking buckle and pull it outward.
3. Adjust the length of the extended strap.
4. Repeat all steps with the other end of the strap.
5. Check that the strap is securely attached.



Control Panel



1. Temperature increase button.
2. Display.
3. Temperature decrease button.
4. USB connector.
5. Power button.
6. Cooling indicator.
7. Heating indicator.
8. Temperature setting button.

Operating Instructions

1. Connect the appropriate power cable. The device can operate from the vehicle's electrical system or from the mains using the included power cables.

CAUTION: Never connect two power cables simultaneously, and do not change the power source while the device is on. To change the power source, turn off the device, disconnect the power cable, connect the new cable, and then turn the device on.

2. Press the  button to turn on the device.
3. Press the  button to set the temperature.
4. Use the  and  buttons to set the desired operating temperature. The maximum cooling temperature is 18°C below ambient temperature; the maximum heating temperature is 55°C.
5. After setting the temperature, the display will show the temperature inside the cooling compartment, and the corresponding indicator will light up — green in cooling mode and red in heating mode.
6. You can change the operating temperature while the device is running using the  and  buttons. After changing the operating temperature, the display will return to showing the current temperature inside the compartment.
7. To turn off the device, press the  button.

Notes:

- The device turns off automatically immediately after the vehicle engine is turned off. Turn the device on each time you restart the vehicle engine.
- Do not switch the device directly from cooling mode to heating mode or vice versa. When changing modes, turn off the device and wait at least 30 minutes.
- To improve the cooling performance of the compartment, use ice packs.
- While parked, do not connect the refrigerator to the cigarette lighter for more than 3 hours to avoid excessive battery discharge.
- The optimal temperature inside the device compartment under stable environmental conditions is achieved approximately 2–4 hours after turning on the device.

Cleaning and Maintenance

- Disconnect the device from the power source and allow it to reach room temperature.
- Do not use abrasive cleaning agents, hard metal sponges, or scrapers, as they may damage it.
- Wipe the device with a soft, damp cloth.

Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal

- This device requires no assembly or mounting.
- The device must be stored in its original packaging, on heated premises, both at the manufacturer's and at the consumer's sites. The ambient temperature should be between +5 °C and +40 °C, and the relative humidity should not exceed 80% (non-condensing). The storage area must be free from aggressive contaminants (e.g., acid or alkali vapors) that could cause corrosion.
- The device must be transported in a dry place.
- The device requires careful handling. Protect it from exposure to dust, dirt, impact, moisture, fire, and other hazards.
- Sale or distribution of the device must be carried out in accordance with local legislation.
- Upon expiration of the device's service life, it must not be disposed of with unsorted household waste. Instead, it must be taken to an authorized collection point for electrical and electronic equipment for subsequent recycling and disposal in accordance with federal or local legislation. By ensuring proper disposal of this product, you help conserve natural resources and prevent potential harm to the environment and human health that may result from improper handling. For more detailed information about collection and disposal points for this product, please contact your local municipal authorities or your household waste disposal service.
- If a device malfunction is detected, immediately contact an authorized service center or dispose of the device.

Warranty Information

The manufacturer guarantees the device will function properly throughout the warranty period and be free from defects in materials and assembly. The warranty period commences on the date of purchase and applies to new products only. Warranty service includes free repair or replacement of defective parts that fail during the warranty period, provided the failure is not caused by consumer misuse and the product is operated in accordance with the user manual. Repairs or part replacements shall be performed at authorized service centers.

Warranty Period: 12 months

Service Life: 24 months

For the up-to-date list of authorized service centers, please visit:

<https://www.dns-shop.ru/service-center/>

Additional Information

Manufacturer: NINGBO ICEBERG ELECTRONIC APPLIANCE CO.,LTD.

NO.25 Weisi Road (East Section), Simen Town, Yuyao City, Ningbo, Zhejiang Province, China.

Made in China.

The product meets the requirements of the technical regulations of the TR CU (EAEU).

Product specifications, information and appearance are subject to change without prior notice, for quality improvement of our products.



Production date (mm.yyyy): _____ V.1

