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> [BENY 55L Portable Compressor Refrigerator User Manual \(Model EA55L\)](#)

BENY EA55L

BENY 55L Portable Compressor Refrigerator User Manual

Model: EA55L

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1. OVERVIEW

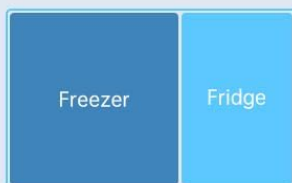
This manual provides essential instructions for the safe and efficient use of your BENY 55L Portable Compressor Refrigerator. This versatile unit is designed for cooling and freezing items, featuring a dual-zone capability, rapid cooling, energy-efficient operation, and smart control options. It is suitable for various applications including automotive, camping, and travel.

REMOVABLE DIVIDER & MULTI-MODE STORAGE

Double Zone Control Partition



Customizable Fridge & Freezer



The BENY 55L portable compressor refrigerator, designed for easy transport with integrated wheels and a retractable handle.

Key Features:

- **Versatile Storage:** Removable divider for single or dual-zone operation (freezer and refrigerator).
- **Efficient Cooling:** Advanced compressor for rapid cooling, reaching 0°C in approximately 15 minutes.
- **Energy Modes:** MAX mode for quick cooling and ECO mode for energy saving.
- **Durable Design:** Constructed from robust ABS+PP material, resistant to wear and shocks, capable of operating on slopes up to 40°.
- **Smart Control:** Manage settings via a smartphone application (Bluetooth) or the integrated control panel.

- **Battery Protection:** Three-level battery protection system (L/M/H) to prevent vehicle battery discharge.
- **Low Noise Operation:** Operates at less than 42 decibels.
- **Portability:** Equipped with foldable handles and sturdy wheels for easy movement.
- **Integrated LED:** Internal LED light for visibility in low-light conditions.
- **Easy Cleaning:** Drainage hole at the bottom for simplified cleaning.

2. SETUP

2.1 Unpacking

Carefully remove the refrigerator from its packaging. Inspect the unit for any signs of damage during transit. Retain packaging materials for future transport or storage.

2.2 Placement

Place the refrigerator on a stable, level surface. Ensure adequate ventilation around the unit, leaving at least 10 cm (4 inches) of space on all sides for proper airflow. Avoid placing it in direct sunlight or near heat sources.

2.3 Power Connection

The BENY refrigerator supports multiple power sources:

- **DC Power (12V-24V):** Use the provided DC power cable to connect the unit to your vehicle's cigarette lighter socket or a compatible 12V/24V power source.
- **AC Power (110V-240V):** Use the provided AC power adapter to connect the unit to a standard wall outlet.

POWERFUL COMPRESSOR & FAST COOLING

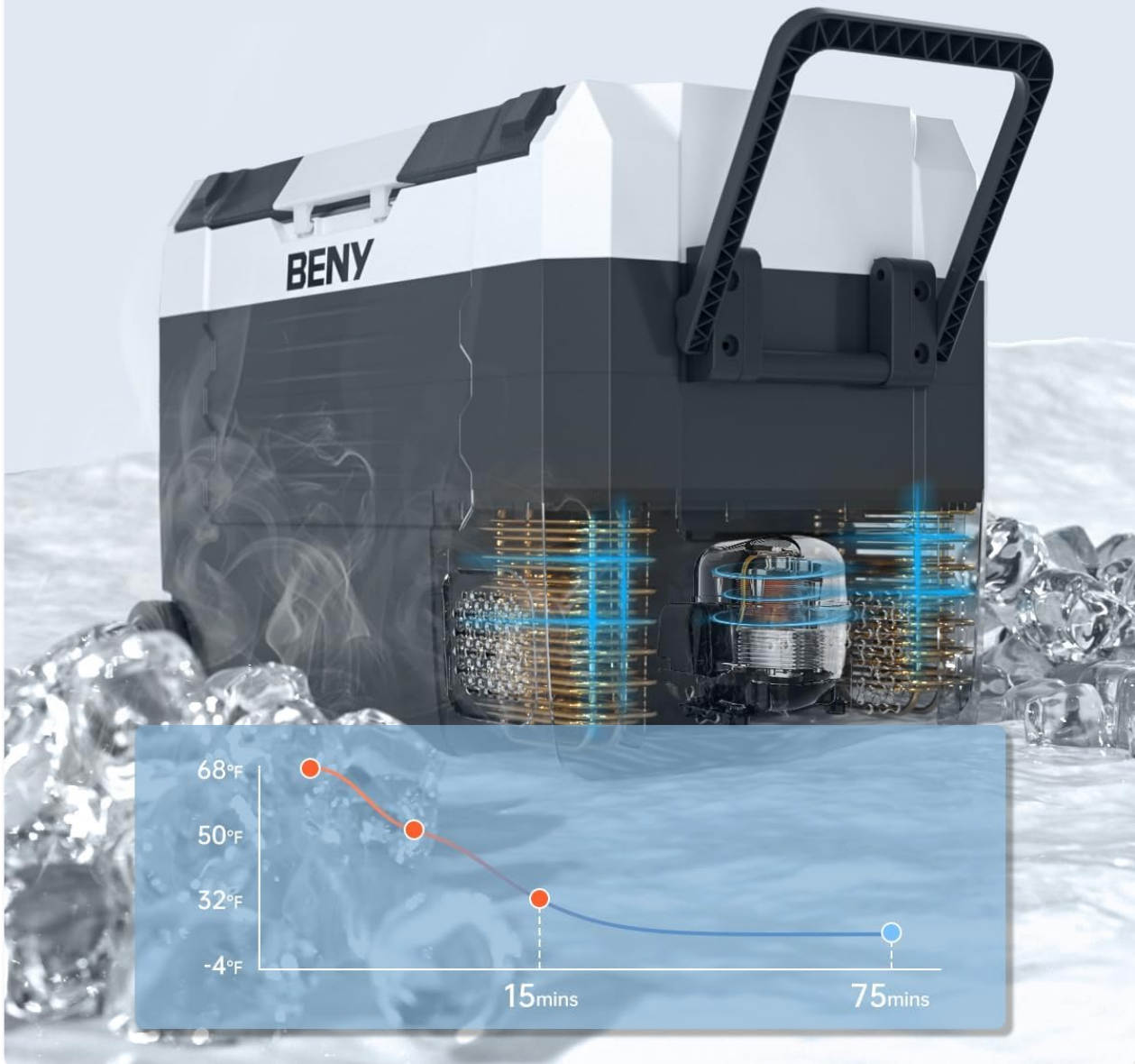
Cools Down to 32 °F Within 15 Mins



Max Mode
60 W Rapid Cooling



Eco Mode
45W Energy Saving



The refrigerator supports versatile power inputs: 12V-24V DC for vehicles, compatible with outdoor power stations, and 110V-240V AC for home use.

2.4 Removable Divider & Zone Configuration

The refrigerator features a removable divider to customize your storage space:

- **Dual Zone:** Insert the divider to create two separate compartments. The larger compartment can be set as a freezer, and the smaller as a refrigerator.
- **Single Zone:** Remove the divider to create one large compartment, which can function entirely as a freezer or a refrigerator.

The innovative removable divider allows for flexible storage. Configure the unit as a dual-zone refrigerator/freezer, a single large freezer, or a single large refrigerator.

3. OPERATING INSTRUCTIONS

3.1 Control Panel

The control panel located on the unit allows for direct management of settings:

- **Power Button:** Press to turn the unit ON/OFF.
- **Temperature Adjustment:** Use the '+' and '-' buttons to set the desired temperature. The temperature range is -20°C to 20°C.
- **Mode Selection:** Cycle between MAX (fast cooling) and ECO (energy-saving) modes.
- **Battery Protection:** Adjust the battery protection level (L/M/H).

3.2 Smartphone App Control

For enhanced convenience, you can control your BENY refrigerator via a dedicated smartphone application:

1. Download the 'Car Fridge' app from your device's app store (available for Android/iOS).
2. Ensure Bluetooth is enabled on your smartphone.
3. Open the app and follow the on-screen instructions to pair with your refrigerator.
4. Once connected, you can monitor temperatures, adjust settings, and switch operating modes remotely.

2 WAYS TO CONTROL

Free Use Of App & Touch Panel Control



Control your refrigerator conveniently via the integrated touch panel or wirelessly through the dedicated smartphone application (Bluetooth connection).

⊕ Schutz für Autobatterien

Spannung	12V DC		24V DC	
	Abschaltung	Einschaltung	Abschaltung	Einschaltung
Hoher Modus	11.1V	12.4V	24.3V	25.7V
Medium Modus	10.1V	11.4V	22.3V	23.7V
Niedriger Modus	8.5V	10.9V	21.3V	22.7V



The LCD control panel allows direct temperature adjustments, mode selection (MAX/ECO), and power control. The smartphone app provides comprehensive remote management, including temperature monitoring and settings.

3.3 Temperature Zones

When the divider is in place, the larger compartment typically functions as the freezer, and the smaller as the refrigerator. The temperature settings apply to the primary cooling zone, and the secondary zone will maintain a differential temperature.

- **Freezer Zone:** Adjustable from -20°C to 0°C . Ideal for frozen goods.
- **Refrigerator Zone:** Operates between 0°C and 20°C . Suitable for fresh food and beverages.



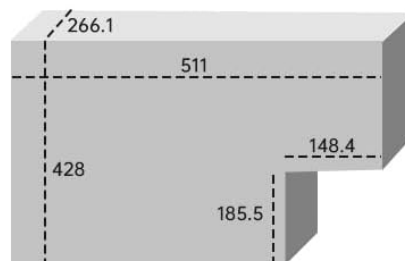
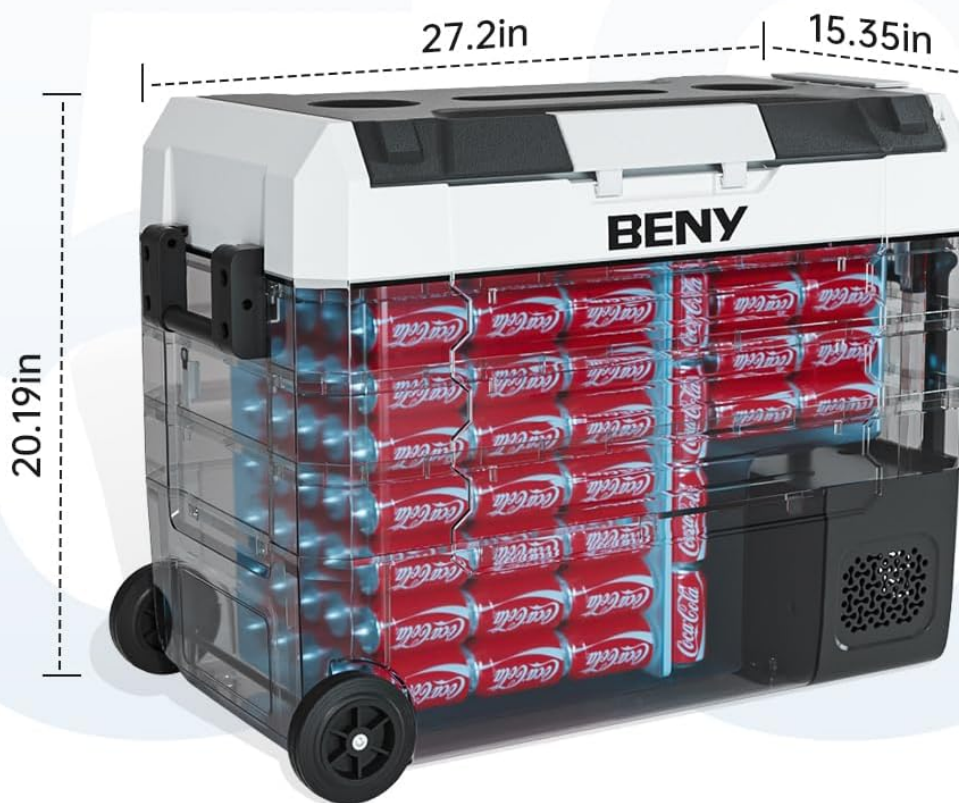
The freezer compartment can be set from -20°C to 0°C, suitable for items like meat, seafood, and ice cream. The refrigerator compartment operates from 0°C to 20°C, ideal for fruits, beverages, and vegetables.

3.4 Cooling Performance

The unit's powerful compressor ensures efficient cooling. In MAX mode, it can reach 0°C (32°F) from ambient temperature in approximately 15 minutes.

58QT LARGE CAPACITY

58Quant/55L



Equipped with a powerful compressor, the unit achieves rapid cooling, reaching 0°C (32°F) in approximately 15 minutes. It offers MAX mode for ultra-fast cooling and ECO mode for energy efficiency.

Leistungsstarker Kompressor



The advanced compressor and efficient condenser tube system ensure high performance. Select MAX mode for quick temperature drops or ECO mode for optimized power consumption (average 45W).

4. MAINTENANCE

4.1 Cleaning

Regular cleaning helps maintain the refrigerator's efficiency and hygiene:

- Disconnect the power before cleaning.
- Wipe the interior and exterior surfaces with a damp cloth and mild detergent. Avoid abrasive cleaners.
- Use the drainage hole at the bottom to remove any accumulated water or spills.
- Ensure the unit is completely dry before reconnecting power.

4.2 Storage

When storing the refrigerator for extended periods:

- Ensure the unit is clean and dry.
- Leave the lid slightly ajar to prevent odors and mildew.
- Store in a dry, well-ventilated area.

5. TROUBLESHOOTING

5.1 Battery Protection System

The refrigerator is equipped with a three-level battery protection system (L/M/H) to prevent excessive discharge of your vehicle's battery. If the input voltage drops below the set threshold, the compressor will automatically shut off. The unit will resume operation once the voltage returns to a safe level.

Battery Protection Voltage Levels

Mode	12V DC Cut-off	12V DC Restart	24V DC Cut-off	24V DC Restart
High (H)	11.1V	12.4V	24.3V	25.7V
Medium (M)	10.1V	11.4V	22.3V	23.7V
Low (L)	8.5V	10.9V	21.3V	22.7V

Adjust the battery protection level according to your vehicle's battery type and usage. A higher setting (H) offers more protection for your battery but may cause the refrigerator to shut off sooner.

Abnehmbare Teiler- Einstellbare Doppelzonen

3 Auswahlmöglichkeiten
für Ihre Präferenzen



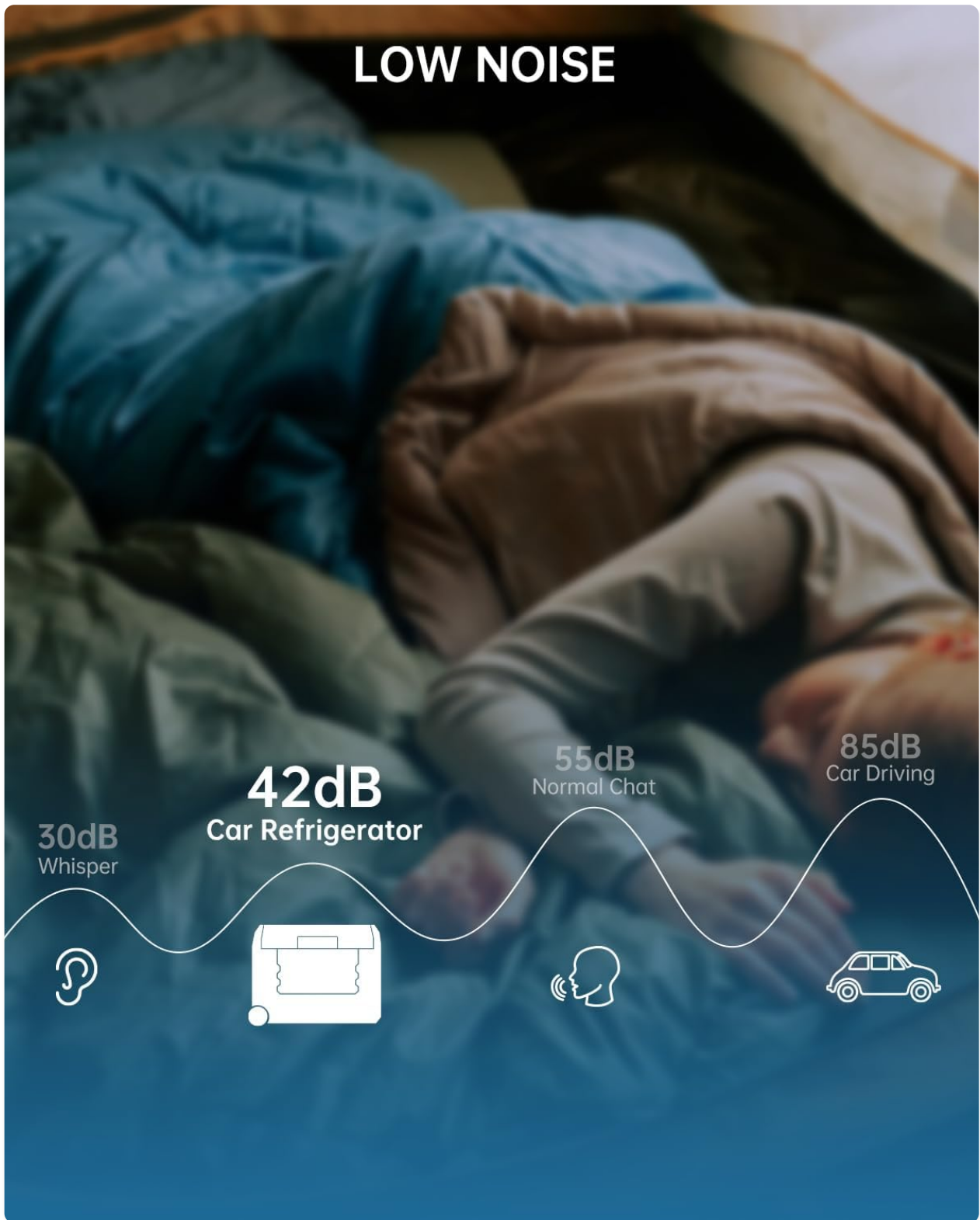
Automatische Erkennung der Temperaturzone

The unit features a three-level battery protection system (L/M/H) to prevent vehicle battery discharge. It automatically shuts off when the input voltage drops below the set threshold and restarts when sufficient voltage is restored.

5.2 Common Issues

- **Unit Not Turning On:** Check power connections (DC/AC) and ensure the power source is active. Verify the battery protection setting is not too high for your current battery voltage.
- **Insufficient Cooling:** Ensure the lid is properly closed and sealed. Check for obstructions around the ventilation grilles. Verify the temperature setting is appropriate.
- **Unusual Noise:** While the unit operates quietly (below 42dB), excessive or unusual noise may indicate an issue. Ensure the unit is on a stable surface and not vibrating against other objects. If the noise persists, contact customer support.

LOW NOISE



Operating at less than 42 decibels, the refrigerator maintains a quiet environment, comparable to a calm suburban setting, ensuring minimal disturbance during use.

6. SPECIFICATIONS

Feature	Detail
Brand	BENY
Model Name	BENY 12 Volt Refrigerator

Feature	Detail
Model Number	EA55L
Capacity	55 Litres
Dimensions (D x W x H)	39P x 69.1l x 51.3H centimeters (approx. 15.35 x 27.2 x 20.19 inches)
Configuration	Compact Internal Freezer (Convertible)
Installation Type	Freestanding
Number of Doors	2
Defrost System	Manual
Refrigerant	R-600A or R-32
Door Material Type	Plastic or Stainless Steel
Form Factor	Portable
Cooling Method	Compressor
Inverter Type	Non-inverter
Adjustable Temperature Control	Yes (-20°C to 20°C)
Electrical Plug	Type E – 2 pins (France)
Compressor Type	Reciprocating
Convertible Freezer	Yes
Customizable	No
Electric	Yes
Number of Sections	2
Power Source	Electric Cable (DC 12V/24V, AC 110V-240V)
Wireless	No (Bluetooth for app control)
Energy Star Certified	CE

IDEAL TRAVEL COMPANION

3 WAYS OF POWER SUPPLY



Car
DC 12~24V



Outdoor
Power Station



Home
AC 110~240V



This diagram illustrates the generous 55L capacity, capable of storing up to 77 cans (355ml), 43 bottles (550ml), or 18 large bottles (750ml). Dimensions are also shown.

7. WARRANTY & SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact BENY customer service through the retailer where the product was purchased. Please have your model number (EA55L) and purchase date available when contacting support.

8. PRODUCT VIDEO

Your browser does not support the video tag.

Video demonstrating the BENY portable compressor refrigerator's features, including its dual-zone capability, large capacity, app control, ease of movement with wheels, and ability to keep food fresh in outdoor settings.

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