## Frigidaire EFRCC210BLK

# Frigidaire 2-in-1 Portable 12/24V DC & 110-240V AC Compressor Fridge Freezer – 21qt Instruction Manual

## 1. Introduction

The Frigidaire 2-in-1 Portable Compressor Fridge Freezer (Model EFRCC210BLK) offers versatile cooling and freezing solutions for various environments, including travel, camping, road trips, and home use. With a 20-liter capacity, this unit is designed for convenience and efficient temperature control, ranging from -4°F to 68°F. It supports dual voltage operation (AC 100-240V and DC 12V/24V) and features a low-noise compressor for quiet operation.




Image 1: The Frigidaire 2-in-1 Portable Compressor Fridge Freezer.

## 2. Safety Information

Please read all safety instructions carefully before operating the appliance. Keep this manual for future reference.

- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
- Ensure proper ventilation around the unit to prevent overheating.
- Do not block the ventilation openings.
- Avoid exposing the unit to direct sunlight or heat sources.
- Do not immerse the unit in water or expose it to rain.
- Use only the provided power cables and adapters.
- Keep out of reach of children.

## 3. Product Features

- **20L Capacity:** Designed for convenience, offering ample space for essentials during travel or in small indoor spaces.
- **Quiet Operation:** Operates at a low noise level of 45 dB, suitable for quiet environments.
- **Versatile Temperature Range:** Adjustable from -4°F to 68°F, allowing for both cooling and freezing.
- **Dual Voltage Compatibility:** Supports AC 100-240V and DC 12V/24V power inputs.
- **Cigarette Lighter Cable Included:** Provides hassle-free use in vehicles.
- **Energy Efficient:** Utilizes R600a refrigerant for efficient cooling with minimal environmental impact.
- **User-Friendly Controls:** Intuitive electrical display and controls for easy temperature management.
- **Interior Light:** Bright interior light enhances visibility and accessibility.
- **Durable Design:** Sleek black design suitable for various indoor and outdoor settings.



Image 2: The unit features energy-efficient cooling.

## 4. Package Contents

Verify that all items are included in the package:

- Frigidaire 2-in-1 Portable Compressor Fridge Freezer Unit
- AC Power Adapter (100-240V)
- DC Cigarette Lighter Cable (12V/24V)
- User Manual

## 5. Setup

### 5.1 Initial Placement

After unpacking, allow the refrigerator to stand upright for at least 12 hours before connecting it to power. This allows the refrigerant to settle, ensuring proper operation of the compressor.

### 5.2 Power Connection

The unit supports dual voltage inputs:

- **AC (100-240V):** Use the provided AC power adapter to connect the unit to a standard wall outlet.
- **DC (12V/24V):** Use the provided cigarette lighter cable to connect the unit to your vehicle's 12V or 24V power socket.




Image 3: The unit can be powered via AC or DC, with a cigarette lighter cable included.

### 5.3 Pre-cooling Recommendation

For optimal performance, especially when using on trips, it is recommended to pre-cool the unit before loading items. This allows the unit to reach the desired temperature more quickly and efficiently.

## 6. Operating Instructions

### 6.1 Power On/Off

Press and hold the power button on the control panel to turn the unit ON or OFF.

### 6.2 Temperature Adjustment

Use the '+' and '-' buttons on the control panel to adjust the desired temperature. The digital display will show the current and set temperatures.

### 6.3 Cooling Mode Selection

The unit offers two cooling modes:

- **MAX Mode:** Provides fast cooling to reach the desired temperature quickly.
- **ECO Mode:** Offers energy-saving operation once the desired temperature is reached, reducing power consumption.

### 6.4 Battery Protection Settings

The unit includes battery protection settings (High, Medium, Low) to prevent excessive discharge of your vehicle's battery. These settings adjust the voltage cut-off point:

- **High (H):** Shuts off at a higher voltage (e.g., 11.1V for 12V systems) to protect the battery more aggressively.
- **Medium (M):** Standard protection setting.
- **Low (L):** Allows for deeper battery discharge before shutting off.

Consult the detailed specifications for exact voltage cut-off values for 12V and 24V systems.




Image 4: The interior of the unit can be configured with a divider for organization.

## 7. Maintenance

### 7.1 Cleaning

To clean the unit, ensure it is unplugged from all power sources. Wipe the interior with a damp cloth and mild detergent. The unit features a drain plug for easy water removal during cleaning or defrosting.

### 7.2 Defrosting

This unit features manual defrost. When ice buildup becomes excessive, unplug the unit and allow the ice to melt naturally. Use the drain plug to remove melted water. Do not use sharp objects to remove ice, as this can damage the unit.




Image 5: The clean white interior liner enhances visibility for easy cleaning.

## 8. Troubleshooting

### 8.1 Error Codes

- **E1:** Indicates low input voltage. Check the power source and ensure the voltage is within the acceptable range for the selected battery protection mode.

### 8.2 Common Issues

- **Unit not cooling:** Ensure the power cable is securely connected and the unit is turned on. Check the temperature settings.
- **Temperature not reaching desired level:** Verify the cooling mode (MAX for faster cooling). Ensure the lid is properly sealed and not frequently opened.
- **Excessive noise:** While designed for low noise, ensure the unit is on a stable, flat surface and ventilation is not obstructed.

## 9. Specifications

| Feature | Specification |
|---|---|
| Brand Name | Frigidaire |
| Model Info | EFRCC210BLK |
| Item Weight | 24 pounds |
| Product Dimensions | 23.4 x 14.7 x 13.6 inches |
| Capacity | 0.74 Cubic Feet (20 Liters) |
| Annual Energy Consumption | 100 Kilowatt Hours |
| Installation Type | Freestanding |
| Special Features | Digital Temperature Control, Energy Efficient, Low Noise, Portable |
| Color | 21 qt (Black) |
| Voltage | AC 100-240V, DC 12V/24V |
| Defrost | Manual |
| Door Hinges | Reversible |
| Material | Plastic |




Image 6: Visual representation of the product dimensions.

## 10. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact details provided in your product packaging or visit the official Frigidaire website. Keep your purchase receipt for warranty claims.

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