

PRODUCT MANUAL



**DRAWER
FRIDGE/FREEZER**

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Notice:

Please read this instruction manual thoroughly, prior to operation. Keep the manual in a safe place for future reference.

1. Safety Instructions

The safety precautions outlined below reduce the risk of fire, electric shock and injury when correctly adhered to. Always follow general safety precautions and accident prevention measures when using the device.

1. **WARNING:** Do not operate the device if it is visibly damaged.
2. **WARNING:** When positioning the appliance, ensure the supply cord is not trapped or damaged.
3. **WARNING:** Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance. Do not subject the power cord or wires to mechanical stress.
4. This appliance 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 the appliance by a person responsible for their safety.
5. Children should be supervised to ensure that they do not play with the appliance.
6. If the power supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
7. Do not immerse this appliance in water.
8. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
9. Do not store caustic materials or materials containing solvents.
10. Do not use mechanical devices or other means to accelerate the defrosting process.
11. This appliance shall not be exposed to rain.
12. Do not place this appliance near fire or naked flame.
13. Disconnect the power supply before carrying out any maintenance operations on the appliance.
14. Cleaning and user maintenance shall not be performed by children without supervision.
15. Repairs should only be carried out by a suitably qualified and authorized person.
16. The insulation of this appliance contains flammable cyclopentane and requires special disposal procedures. In accordance with applicable disposal regulations, deliver the appliance at the end of its life cycle to an appropriate recycling centre.
17. **WARNING:** Risk of Fire, Flammable materials.

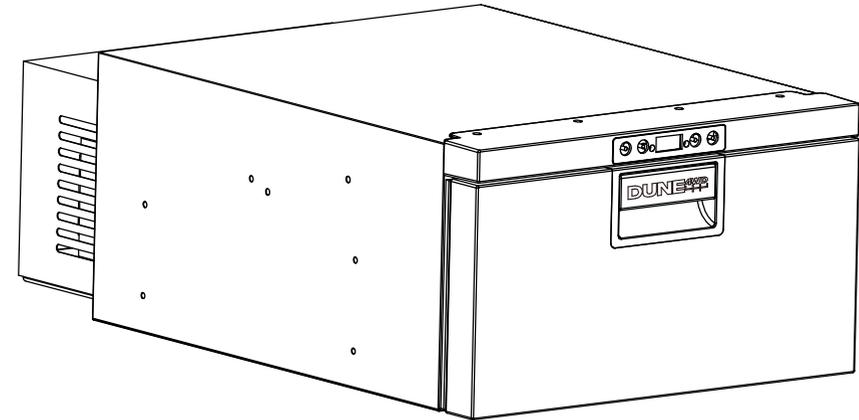


NOTE:

1. This fridge is suitable for internal vehicle or recreational camping use.
2. This appliance is not intended to be used in household and similar applications.
3. This appliance is specifically designed to connect to 12/24V DC input. Never connect to other power sources that are not recommended in this manual, damage will occur. Only connect the appliance with:
 - 12/24V DC Power Cable - Anderson Socket (already contained)
 - Frontier AC Power Adaptor (soldseparately)
4. Always ensure a minimum of 50mm ventilation on all four sides, and an additional 100mm where the vents of the fridge are located. Always ensure that the ventilation openings are not covered.
5. Position the appliance in a safe and secure location. Limit exposure to heat sources or direct sunlight which can affect the units' performance and efficiency.
6. It is recommended to allow this appliance to be positioned in the upright orientation as indicated on the packaging for at least 6 hours before first use.
7. It is recommended to clean this appliance inside and outside with a damp cloth for hygienic reasons before every use.
8. Always ensure that the power supply unit is dry before use.
9. Always disconnect the appliance from the power supply after use.
10. DO NOT store any electrical device inside the appliance.
11. Food should only be stored in appropriate packaging or containers.
12. The device is designed to operate in ambient temperatures between 10°C and 43°C.
13. It is recommended to operate the unit on a level surface to avoid damage to the compressor. The device is designed for short-term operation at angles up to 30°.



WARNING! Vents must have at least 150mm clearance to avoid compromising cooling.

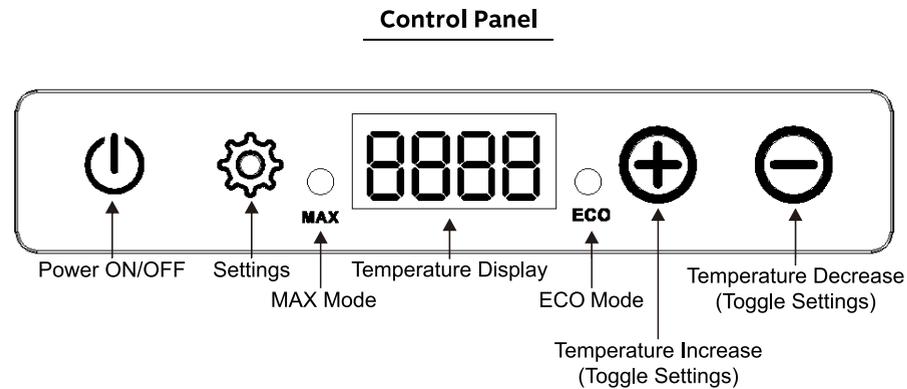
2. Product Overview**Included with your product**

- Fridge/Freezer
- Manual
- Mounting kit
- 12/24V DC Power Cable- Anderson Socket

Note

To plug your fridge/freezer into a 240V AC power source (e.g. mains or wall socket), use the Frontier 240V AC Adaptor ,sold separately.

3. Operating Instructions



Power On

Turn on/off the fridge unit by pressing the Power ON/OFF button.

Adjust temperature

- Press the Settings button. The temperature display will start to flash. Adjust the temperature by pressing the + and – buttons.
- For dual zone products, press the settings button to select compartments.
- NOTE: Temperature range is -20°C to +10°C.
- NOTE: Temperature setting in step of 1°C.

ECO/MAX

Switch between ECO/MAX mode to either save power (ECO) or speed up cooling (MAX). To change ECO/MAX mode, press the Settings button. The temperature setting will start to flash. Press the Settings button until the battery protection levels start to flash. Change the settings with the + and – buttons.

Battery protection

To change battery protection levels (H, M, L), press the Settings button. The temperature setting will start to flash. Press the Settings button until the battery protection levels start to flash. Change the settings with the + and – buttons.

Use the battery protection mode to protect your vehicle battery, by automatically turning the fridge off when the battery starts to get low. When the voltage drops below the ‘cut-off’ value, the fridge unit will turn off.

When the voltage input reaches the ‘restart’ value after the power source is charged, the fridge unit will turn back on. It is recommended to set the battery protection level to ‘high’ when the fridge is powered by a vehicle battery.

		H	M	L
12V	Cut-off	11.3V	10.8V	9.6V
	Restart	12.6V	11.8V	10.9V
24V	Cut-off	24.3V	22.3V	21.3V
	Restart	25.7V	23.7V	22.7V

4. Product Maintenance

- Regularly defrost after use.
- Regularly clean the inside and outside of your fridge with a damp cloth.
- Leave the fridge to dry with the door open before long-term storage to avoid mold and bacteria.
- Maintain the seals: regularly clean and ensure no debris or damage on the seals, as this is detrimental to cooling.
- Avoid marine environments, as salt can damage components.

NOTE: Disconnect the fridge from power source and unplug cables before undertaking maintenance activities.

NOTE: Do not use sharp objects to remove ice.

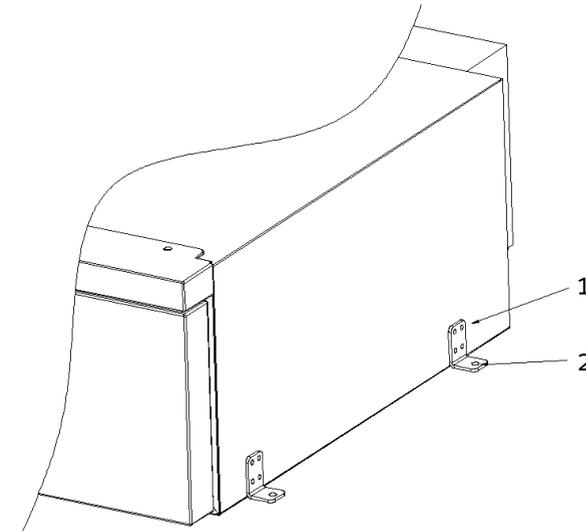
NOTE: Do not leave your fridge in direct sunlight.

NOTE: Avoid using harsh chemicals or abrasive cleaners as they can damage the surface of the fridge. Once you have wiped down the fridge, leave it in a shady, dry spot to dry out.

NOTE: Avoid wiping over the compartment temperature sensor directly, as this can damage the sensor.

5.Installation Instructions

Fix the installation plate on the refrigerator with screws according to the height of the bottom surface, then use screws to secure the mounting base to the bottom plate.



1. Place the refrigerator on a dry, flat, protected surface, away from corners. Do not use the refrigerator in uncovered, outdoor areas or areas exposed to the elements.
2. Avoid placing the refrigerator near to a heat source, for example a cooker, radiator, or exposing it to direct sunlight.
3. Do not place ice or liquids which are not sealed in containers within the refrigerator.
4. Do not place hot products within the refrigerator.
5. Your Drawer Fridge/Freezer can be permanently installed using the included pre-installed feet or the included mounting brackets. A minimum gap of 50mm on each side and an additional 100mm at the rear should be accounted for. The gap helps all side of the Drawer Fridge/Freezer breathe for higher efficiency, especially the rear where most of the heat is generated.

6. Error Codes and Troubleshooting

Error Code	Description	Recommended Action
E1	Low voltage input	<ol style="list-style-type: none"> 1. Confirm that you are using the power cable supplied with your device. 2. Lower the battery protection level to 'MED' or 'LOW'. If lowering the protection level resolved the issue, consider troubleshooting the original power source. 3. Try a different power source. If changing the power source resolved the issue, consider troubleshooting the original power source.
E2	Fan issue	The fan must be replaced - contact your local store for assistance.
E3	Compressor start issue	<ol style="list-style-type: none"> 1. Unplug for 10 minutes. 2. Try a different power source (e.g. power station, vehicle battery or 240V AC). If changing the power source resolved the issue, consider troubleshooting the original power source. 3. If still unresolved, contact your local store for assistance.
E4	Compressor speed issue	<ol style="list-style-type: none"> 1. Unplug for 10 minutes. 2. Reduce amount of produce in fridge. 3. If still unresolved, continue with E5 recommended actions.
E5	Overheat Warning	<ol style="list-style-type: none"> 1. Check that the vents are not blocked during operation. Leave a spacing of 100mm around the compressor vents. 2. Wipe down the compressor vents to improve circulation. 3. Confirm the ambient temperature is within the recommended operating temperature of the device. 4. If still unresolved, contact your local store for assistance.

Error Code	Description	Recommended Action
E6/LL/HH	Temperature sensor	Contact your local store for assistance.

Troubleshooting



WARNING! Vents must have at least 150mm clearance to avoid compromising cooling.

The unit is not turning on

- Check whether the unit is powered on at the control panel
- Confirm that the power supply cable is plugged in
- Confirm that the power supply source is on
- Check power cable fuse

Poor refrigeration performance

- Confirm temperature settings
- Confirm adequate spacing between products in refrigerator compartment – if products are too tightly packed, poor air circulation results in slower cooling
- Poor ventilation (allow a minimum of 50mm ventilation on all four sides, and an additional 100mm where the vents of the fridge are located)
- Check lid seals for dust, debris or damage. Clean seals regularly for proper sealing
- Confirm that ambient temperature is within recommended operating range for device
- Confirm that unit is not placed directly in sunlight or near a heat source
- To increase refrigeration performance, cool products in home refrigerator/ freezer before placing in the device

Why can I hear the sound of liquid flowing inside the unit?

Hearing the sound of liquid flowing inside your device means that the unit is working as expected.

Rattling or unusual noise during operation

- Check that the refrigerator is placed on a level surface.
- Internal parts may have come loose – contact your local store for assistance.

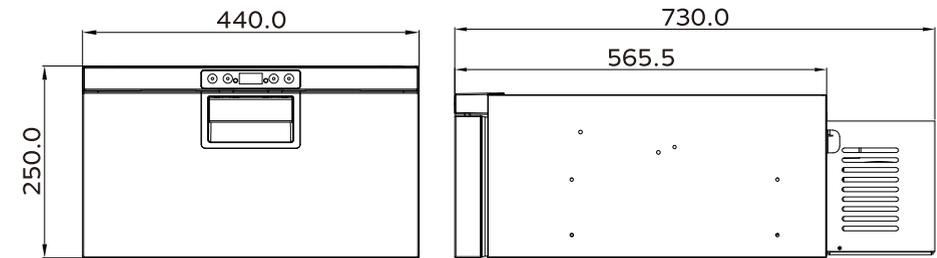
7. Specifications Sheet

Internal Volume	30L
Weight	17.5kg
Temperature Range	-20°C to 10°C
Power Consumption	0.48Ah/h
Rated Voltage	12/24V DC
Rated Current-DC	5.8A@12V DC, 2.9A@24V DC
Refrigerant	R134a
Refrigerant Charge	45g
External Dimensions	730mm x 440mm x 250mm
Internal Dimensions	462mm x 334mm x 128mm

Note:

1. Attained at 32 degrees ambient temperature and DC 14.5V input voltage, with the compartment set at +4°C obtained as the average Ah/h consumed over a 24 hour period. Power consumption is dependent on a variety of operating conditions, including but not limited to ambient temperature, temperature settings, unit ventilation, voltage input, the amount, temperature, arrangement and material properties of content in refrigeration compartments etc.
2. The values indicated on the digital display reflect the temperature near the middle of the cabinet.
3. The minimum temperature displayed on the control panel cannot be attained if the ambient temperature is greater than 32°C.

8. Technical Drawings



9. Warranty Statement

THIS PRODUCT IS GUARANTEED TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF 3 YEARS FROM THE DATE OF PURCHASE, THE PRODUCT WILL BE REPLACED OR REFUNDED FOR A MAJOR FAILURE. THE PRODUCT WILL BE REPAIRED OR REPLACED AT OUR DISCRETION, SHOULD THE PRODUCT FAIL TO BE OF AN ACCEPTABLE QUALITY AND FAILURE IS NOT CONSIDERED A MAJOR FAILURE.

WARRANTY WILL NOT APPLY IF THE PRODUCT (A) IS DAMAGED THROUGH MISUSE (INCLUDING FAILURE TO MAINTAIN), NEGLIGENCE, ACCIDENT OR ORDINARY WEAR AND TEAR (INCLUDING RUST, CORROSION, NORMAL FADING, WEATHERING, STAINING, DISCOLOURATION, SCRATCHING OR CHIPPING); (B) IS DAMAGED THROUGH EXPOSURE TO HEAT; (C) IS USED COMMERCIALY; (D) HAS NOT BEEN USED OR INSTALLED IN ACCORDANCE WITH ANY APPLICABLE INSTRUCTIONS; OR (E) HAS BEEN MODIFIED, REPAIRED OR TAMPERED WITH BY THE PURCHASER OR AN UNAUTHORISED SERVICE PERSON.

YOU ARE ENTITLED TO A REPLACEMENT OF REFUND FOR A MAJOR FAILURE AND FOR COMPENSATION FOR ANY OTHER REASONABLY FORESEEABLE LOSS OR DAMAGE. YOU ARE ALSO ENTITLED TO HAVE THE GOODS REPAIRED OR REPLACED IF THE GOODS FAIL TO BE OF AN ACCEPTABLE QUALITY AND THE FAILURE DOES NOT AMOUNT TO A MAJOR FAILURE

TO CLAIM UNDER THIS WARRANTY, PLEASE TAKE THIS PRODUCT TO WHERE YOU PURCHASED IT. YOU WILL NEED YOUR RECEIPT OR OTHER PROOF OF PURCHASE. ADDITIONAL INFORMATION MAY BE REQUESTED OF YOU TO PROCESS YOUR CLAIM. SHOULD YOU NOT BE ABLE TO PROVIDE PROOF OF PURCHASE WITH A RECEIPT; A BANK OR CREDIT STATEMENT, AND IDENTIFICATION SHOWING YOUR NAME, ADDRESS AND SIGNATURE MAY BE REQUIRED TO PROCESS YOUR CLAIM. ANY EXPENSE RELATING TO THE RETURN OF THE PRODUCT TO THE STORE WILL BE AT THE EXPENSE OF THE CUSTOMER. FOR ONLINE PURCHASES PLEASE CONTACT US TO ARRANGE WHERE AND HOW TO RETURN THE PRODUCT.

TO OBTAIN COMPENSATION, YOU WILL NEED TO PROVIDE DOCUMENTARY EVIDENCE OF THE LOSS OR DAMAGES SUFFERED, AND DOCUMENTARY EVIDENCE THAT SUCH LOSS OR DAMAGE WAS REASONABLY FORESEEABLE CONSEQUENCE OF A FAILURE. SUCH EVIDENCE MAY INCLUDE PHOTOGRAPHS, STATUTORY DECLARATIONS, RECEIPTS, REPORTS (EG. FROM YOUR DOCTOR), DEPENDING ON THE LOSS OR DAMAGE.

WARRANTY EXCLUDES CONSUMABLE REPLACEMENT / SERVICEABLE PARTS (WHERE APPLICABLE TO THE PRODUCT) AS DETAILED IN THE PRODUCT INSTRUCTION MANUAL OR PACKAGING WHICH ARE AVAILABLE FOR PURCHASE.

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