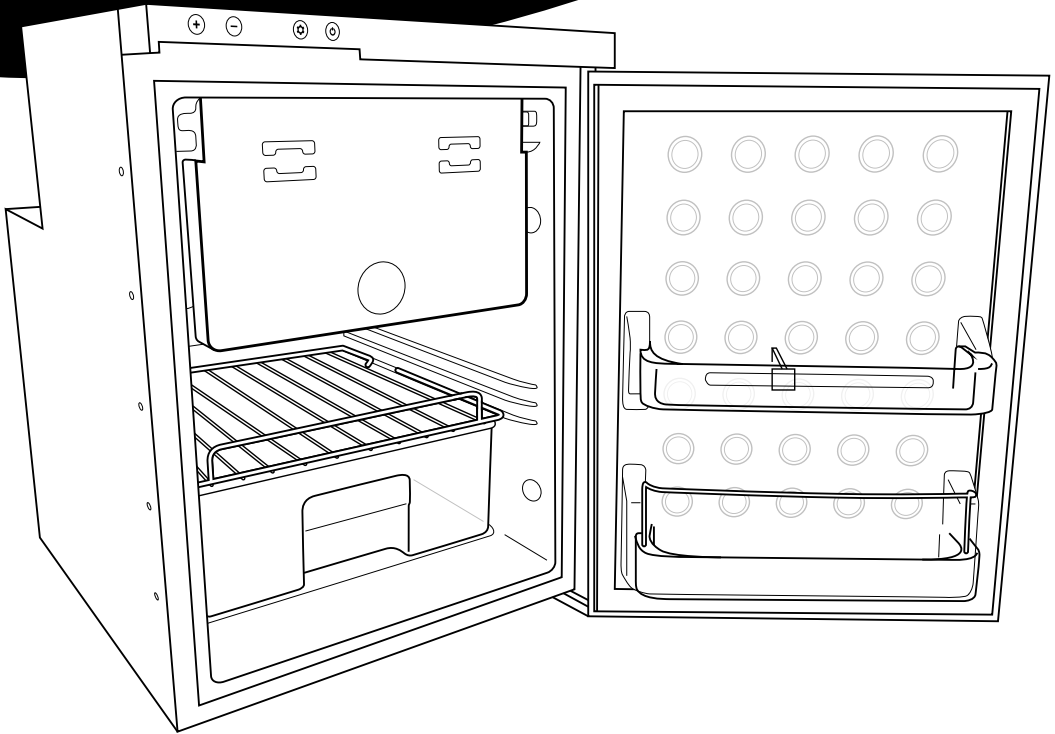


JKF50

12v Compressor
Fridge Freezer



Installation and Operation Guide

Please carefully read all information within this guide prior to installation and use of the JKF50 Fridge Freezer.



JustKampers
Restore it, insure it, enjoy it

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Important Safety Instructions

Please note: These instructions and safety warnings have been made available in order to allow for safe operation of this item (JKF50 Fridge Freezer). Failure to use this product in compliance with information provided within this guide could result in the malfunction of your refrigerator and potential injury for yourself or others.

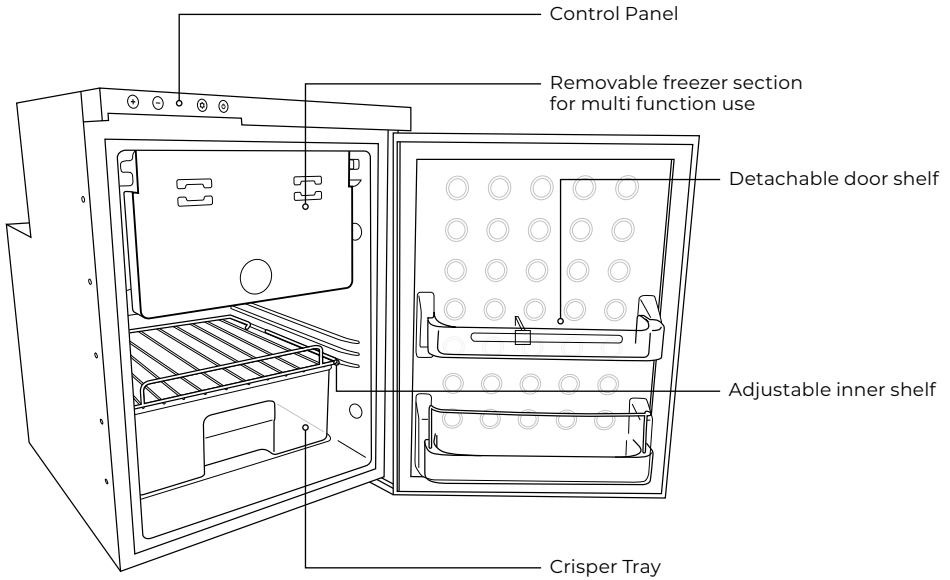
The manufacturer/supplier accepts no liability for damage arising from:

- Incorrect installation
- Alterations to product post factory
- Any use not intended or described within this manual/guide

Safety Instructions

- Carefully check the JKF50 for damage when unpacking and prior to installation
- Once unpacked the refrigerator must be kept upright, on a level surface, for a minimum of 6 hours prior to installation
- The JKF50 must be adequately ventilated to allow for heat dissipation – see installation for spatial requirements
- The JKF50 must remain in a dry environment and must not be exposed to sources of water
- The JKF50 must not be exposed to sources of heat or naked flames; including but not limited to direct sunlight, gas hobs/ovens, heaters etc
- Do not use the JKF50 to store any items with explosive properties or flammable propellents such as aerosol or spray cans
- Ensure the correct voltage supply in line with JKF50 product specification
- The JKF50 must be adequately fixed in accordance with the installation instructions to maintain stability
- The JKF50 must remain in a vertical upright position at all times when running. The tilt angle must be less than 5° for long time running and less than 45° for short time running
- The JKF50 is not designed to suit any modifications or repairs; any modifications or repairs may be hazardous to the user
- Before connecting or starting the JKF50 carefully check that the plug and power supply cable are dry and free from moisture
- Installation in conjunction with a DC current in a boat setting must be carried out by a qualified electrician
- Children must be properly supervised when using the JKF50 to ensure its proper, safe use

The JKF50 Fridge is designed for cooling and freezing food and drink items within motorhomes, campervans, boats and caravans.



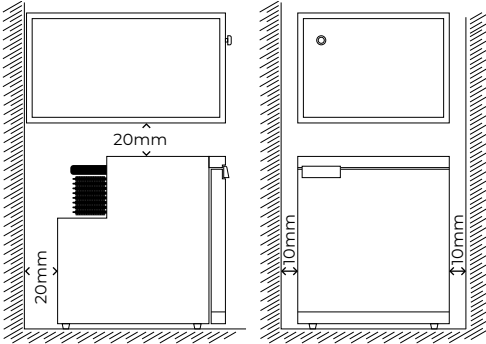
Product features

- High efficiency DC compressor and conversion module
- CFC free
- Fast cooling to 0°C / 32°F (based on 25°C / 77°F ambient temperature)
- Dual fridge and freezer zone
- Removable freezer section for multi function use
- Intelligent battery protection system
- DC12V / 24V or AC 100~240V (with an adaptor) power supply
- Capacity. Total: 42l Fridge: 34l Freezer: 8l
- Crisper Tray

Installation

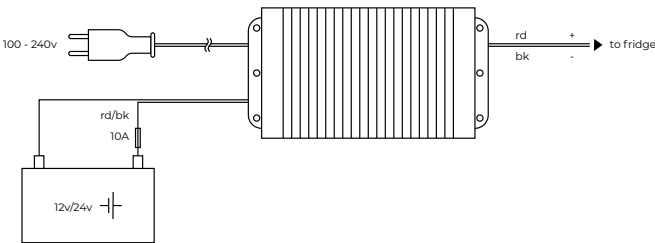
NB: It is highly recommended that the installation of the JKF50 is carried out by an appropriately qualified person.

AIR FLOW AROUND THE APPLIANCE



1. **Please refer and adhere to the Safety Instructions prior to installation.** (See page 1)
2. The cabinet into which the fridge will be sited must allow for adequate ventilation. The internal dimensions of this should allow for a minimum of 20mm space at the rear and top of the refrigerator and 10mm side space. The internal cabinet dimensions should be 580mm (wide) 730mm (high) 700mm (deep). The fridge should be kept on level horizontal surface and away from heat sources.

WIRING



3. Connect to the vehicle 12/24VDC system directly.

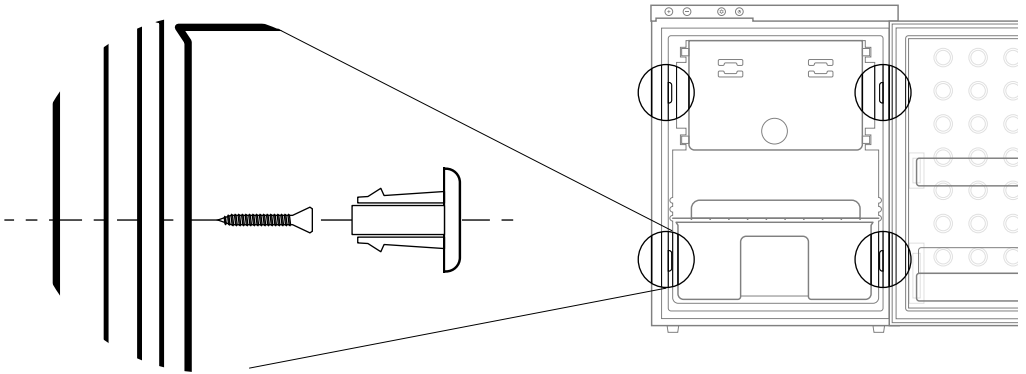
Wire length to refrigerator	Wire gauge	Wire diameter (mm2)
Maximum 6m	14AWG	2.5
Maximum 11m	12AWG	4.0
Maximum 17m	10AWG	6.0

Adhere to cable cross section requirements in relation to length of cable required as above.

Installation (continued)

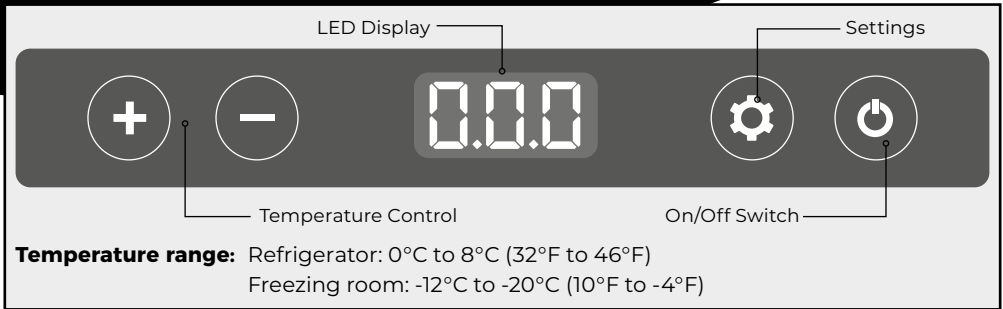
NB: It is highly recommended that the installation of the JK F50 is carried out by an appropriately qualified person.

FIXING THE FRIDGE IN PLACE




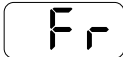




4. Push the fridge carefully into the cabinet; using caution to avoid scratching the floor.
5. Mount the fridge within the cabinet wall: remove the blanking covers on the inside of the refrigerator wall (x4)
6. Drill a hole in each screw holder through the side metal panel and fix into place with suitable screws (x4, not supplied). Return the blanking covers to cover the screw holes.
7. Prior to switching on: check power supply voltage and operating voltage match and ensure wiring is protected from heat exposure or sharp objects.

Function & Operation



DISPLAY SCREEN INITIALISATION

1. Press button to turn on/off fridge. 
2. Press button to switch between temperature settings for refrigerator and freezer. 
 - Refrigerator temperature setting mode (rE) 
 - Freezing room temperature setting mode (Fr) 
3. Use "+" or "-" to change temperature  

BATTERY PROTECTION MODE

1. When fridge is on press and hold Settings button for 3 seconds until the display begins flashing.
2. Press Settings button to select the desired Battery Protection Mode.

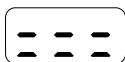
Mode Selection

The default setting is "High", recommended when fridge is powered by Car Battery.

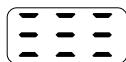
When the fridge is powered by a portable or built in battery it is recommended that you switch to either "Medium" or "Low" protection mode.



Low








Medium



High

TEMPERATURE UNIT SETTING

1. Press button to switch off fridge. 
2. Press and hold Settings button for 3 seconds until "E1" shows on the screen. 
3. Press Settings button repeatedly until "E5" shows on the screen. 
4. Use "+" or "-" to change between Celsius (°C) and Fahrenheit (°F)  

NOTES ON TEMPERATURE SETTINGS AND FREEZER COMPARTMENT REMOVAL

The JKF50 features a removeable freezer section.

Freezer Section Required:

Temperature selection should be **Fr** (Freezing room temperature setting mode). This will control the temperature of both Freezer and Refrigerator at separate chilling levels.

Freezer Section Removed:

Temperature selection should be **rE** (Refrigerator temperature setting mode). This will maintain a refrigerator setting for the whole compartment.

Do not select Fr setting when Freezer compartment is removed as this will chill the unit to a Freezer temperature setting.

Cleaning and Storage

Always disconnect your JKF50 from the power supply prior to cleaning

CLEANING

- Unplug the fridge to avoid electric shock
- Use a clean damp cloth to wipe clean the JKF50 interior
- Do not use abrasive cleaning products as this may damage the unit
- Use a clean dry cloth to wipe away any moisture residue post cleaning

STORAGE

If your JKF50 will not be in use for an extended period of time you should:

- Turn off the power and remove the plug
- Remove all food and drink items from the JKF50
- Wipe away any excess moisture
- Store the JKF50 in a cool dry place
- Store with door left ajar to prevent odour

DEFROSTING

Humidity can form frost in the interior of your JKF50. This could result in reduced cooling capacity and reduced energy efficiency. Defrost as required.

- Switch off your JKF50
- Remove all contents
- Keep the door open
- Thoroughly wipe away defrosted water

NB: Never use hard or pointed objects to remove or loosen ice frozen in place

RECYCLING

- Please dispose of any packaging material using the appropriate recycling services
- If you wish to finally dispose of your JKF50 please seek guidance from your local recycling centre

Troubleshooting

ISSUES	SUGGESTIONS
Refrigerator does not work	Check if the switch is on.
	Check if the plug and socket are connected.
	Check the fuse.
	Check if the power supply has a malfunction.
	Switching the JKF50 on/off frequently may delay the start of the compressor.
Refrigerator compartments are too warm	Ensure the door is kept closed when and not frequently opened.
	Do not use the refrigerator to store/chill hot /warm foods. Wait for the refrigerator to reach its selected temperature.
	If the refrigerator has recently been disconnected for a period of time it will need time to reach the selected temperature.
Food is frozen	The temperature has been set too low, please increase the temperature.
	If the freezer compartment has been removed temperature selection should be rE . See Function & Operation section for further details.
There is a "water flow" type of noise from inside the fridge	This is a normal phenomenon, caused by the flow of refrigerant.
There are water drops around the refrigerator casing or door gap	This is normal, the moisture will condense to water when it touches a cold surface of the refrigerator. Wipe away with a dry cloth.
The compressor is slightly noisy when starting	This is normal. The noise will be reduced after the compressor stabilizes.
Code F1 displayed	Possible cause: low voltage to fridge. Adjust the battery protection from H to M or from M to L.
Code F1 displayed	Possible cause: condenser fan is overloaded. Disconnect power to fridge for 30 minutes & re-start.
Code F2 displayed	Possible cause: the compressor starts too frequently. Disconnect power to fridge for 30 minutes & re-start.
Code F3 displayed	Possible cause: compressor not kicking in. Disconnect power to fridge for 30 minutes & re-start.
Code F4 displayed	Possible cause: overheating of the compressor & electronics. Disconnect power to fridge for 30 minutes & re-start.
Code F5 displayed	Possible cause: no parameter can be detected by the controller. Disconnect power to fridge for 30 minutes & re-start.
Code F7 or F8 displayed	Possible cause: temperature sensor is faulty. Contact supplier for assistance.

Warranty

This product is covered by a limited warranty of 12 months from the date of purchase against manufacturing faults and defects.


This excludes malfunctions that are a result of improper installation, use or modification.

In the event of a fault please contact:

Just Kampers Customer Services on 01256 86 22 88

TECHNICAL INFORMATION*

*Please refer to rating label on the product for latest technical information

Model:	JKF50
Refrigerator compartment capacity:	34L
Freezer compartment capacity:	8L
Capacity:	42L
Voltage:	12V or 24V
Rated current 12V--: 24V--:	5A/2.5A
Cooling temperature range Refrigerator:	0°C to +8°C (32°F to 46°F)
Freezer:	-12°C to -20°C (10°F to -4°F)
Climatic class:	SN/N/ST/T
Relative humidity:	<90%
Short-term inclination:	<30°
Maximum pressure:	LP 10Bar/ HP 15Bar
Propellant:	C5H10
Refrigerant:	R1234yf
Refrigerant quantity:	32g
CO2 equivalent:	0.058t/year
Global warming potential (GWP)	GWP ₁₀₀ <1
Dimensions:	380mm W x 530mm H x 500mm D
Product weight:	16.8kg
Inspection/certification:	

Purchase information

DATE OF PURCHASE:

NB. Please note your warranty runs from date of purchase and **NOT** date of installation.

ORDER NUMBER:



We hope you enjoy your Just Kampers product.
To see our full range please visit [justkampers.com](https://www.justkampers.com)



If you wish to finally dispose of this product, please ask your local recycling centre or specialist dealer for information on how to do this in accordance with the appliance disposal regulations in your area.



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