

KICKASS[®]

FRIDGE / FREEZER

OPERATION MANUAL



KAF-75DZ



Please read all instructions and the safety section carefully before using your new KickAss[®] refrigerator.

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Thank You For Purchasing A KickAss® Fridge / Freezer

FEATURES

- » Digital electronic thermostat with LED temperature display
- » Bluetooth for remote control and monitoring of the fridge with your smartphone
- » Reliable refrigeration system using the Secop compressor
- » Efficient electronic technology, low energy consumption
- » Multi-voltage system (DC 12-24 Volt) and (AC 100-240 Volt)
- » Anderson style power connection
- » Adjustable low voltage battery protection, reverse polarity protection and high temperature protection
- » USB Charging port for quick charging of mobile devices

Please ensure all safety and operational instructions are read carefully to get the maximum benefit from your new fridge.

IMPORTANT SAFETY SYMBOLS



Warning! - Safety Directive

Failure to observe this directive could lead to serious injury.



Caution! - Safety Directive

Failure to observe this directive could lead to injury or damage to the appliance.



Note! - Important Information

Failure to observe this note may lead to damage to the appliance or impede performance.

IMPORTANT SAFETY INSTRUCTIONS

- ⚠ WARNING:** Do not touch exposed cables.
- ⚠ WARNING:** When positioning the appliance, ensure the supply cord is not trapped or damaged.
- ⚠ WARNING:** Do not use or attempt to repair damaged power cords. If the AC power cord is damaged, it must be replaced by KickAss Products or an Authorised service agent.
- ⚠ WARNING:** Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- ⚠ CAUTION:** Any installation of DC power systems should be handled by a qualified professional, ensuring the source voltage is correct.
- ⚠ WARNING:** Do not place any electrical devices inside the refrigerator as moisture could harm these devices.
- ⚠ CAUTION:** Disconnect both DC and AC power supplies when cleaning or when not in use.
- ⚠ WARNING:** The refrigerator should only be maintained by a KickAss Products authorised repair centre. Improper or unauthorised maintenance work may void the products warranty.
- ⚠ WARNING:** The fridge must not be used to store aerosols, flammable or corrosive materials. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
WARNING: The fridge should be placed in a dry place. Ensure the fridge is not exposed to water splash, rain and excessive moisture. Do not immerse it into water. The appliance shall not be exposed to rain.
- ⚠ CAUTION:** 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.
- ⚠ WARNING:** Children should be supervised to ensure that they do not play with the appliance.
- ⚠ WARNING:** The appliance contains fluorinated greenhouse gases. Chemical name of the gas: R134a Fluorinated greenhouse gases are contained in hermetically sealed equipment. An electrical switchgear has a tested leakage rate of less than 0.1 % per year as set out in the technical specification of the manufacturer. Please refer to local regulations regarding the correct disposal of the appliance due to the flammable insulation blowing gas used.
- ⚠ WARNING:** This appliance is not intended to be used in household and similar applications such as:
 - Staff kitchen areas, offices and other working environments.
 - Commercial hotels, motels and other residential type environments.
 - Catering and similar retail applications.
 - Suitable for camping use

CARE AND MAINTENANCE INSTRUCTIONS

Clean the appliance inside and out with a damp cloth after every use. If it is dirty, use sodium bicarbonate dissolved in lukewarm water to clean the unit. Note:

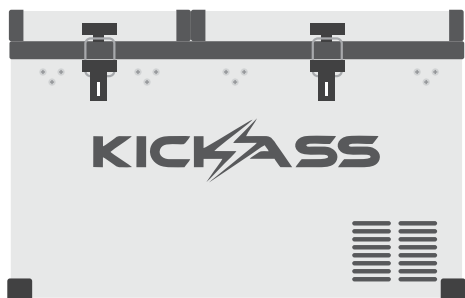
- Never use abrasive products, detergents or soap. After washing, rinse with clean water and dry carefully. Do not leave the refrigerator off with food inside or lid closed.
- Never clean the appliance under running water. Do not use abrasive cleaning agents or hard objects during cleaning as these can damage the refrigerator.

CORRECT DISPOSAL OF THIS PRODUCT

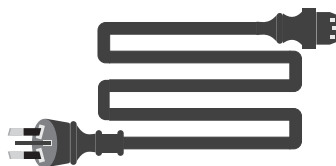
This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems.



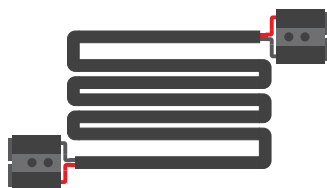
CONTENTS OF THE BOX



KickAss® Fridge / Freezer - Main Unit



AC Power Cable



12 Volt DC Anderson Style
Power Cable



Heavy Duty Protective Fridge Cover



12 Volt DC Anderson Style
to Cigarette Plug Adapter

SETUP

CONNECTING THE FRIDGE TO POWER

Connecting to AC

To connect to AC Power, connect the supplied AC Plug to the input port on the fridge and switch on the power. Ensure the mains power supply is adequately protected with a residual current device.

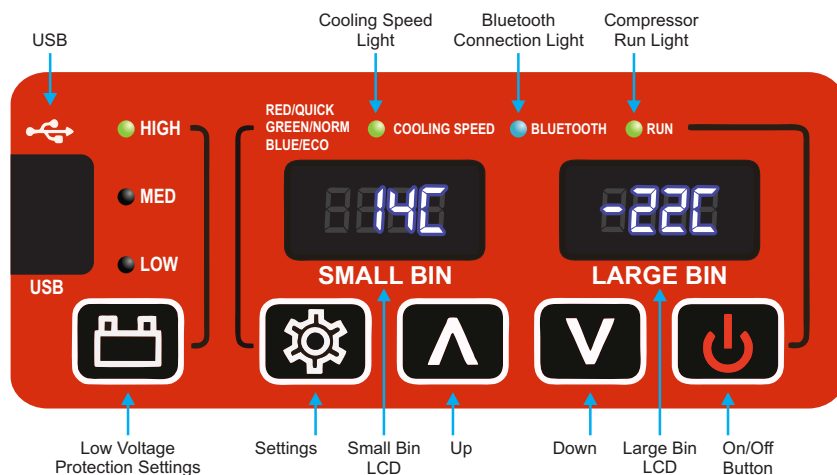
Connecting to DC

To connect to DC power, use the supplied 2.1m Anderson to Anderson style extension lead, ensuring the end with fuse is furthest away from the fridge. If using the Cigarette socket extension cable, ensure the wiring between the battery and socket is capable of handling up to 10A.

AC/DC Priority

With both AC and DC sockets connected, the internal power supply board will prioritise AC power over DC power, ensuring the battery powering the fridge is not discharged.

CONTROL PANEL



CONTROL PANEL LIGHTS

Cooling Speed Light: The cooling speed light will illuminate red if set on quick, green if set on normal and blue if set on eco. The cooling speed controls the compressor run speed.

Bluetooth Light: The Bluetooth light will illuminate blue when a Bluetooth connection is established.

Run Light: The run light indicates when the compressor is running. If power is connected, the light will turn red. If the compressor is running, the light will turn green.

Battery Protection Light: The selected battery protection setting light will illuminate green
















LOW BATTERY PROTECTION SETTINGS

The fridge is equipped with three battery protection settings; high, medium and low. The below settings should be set for the specific battery type being used.

Note: With the compressor running, due to voltage drop, it is likely the voltage used for these protections is 0.3-0.5 volts below the voltage of the battery, this will depend on the wiring used to connect the battery to the fridge. On some battery types, voltage may drop when a load is applied. This can affect the reading and cutout voltage of the fridge.

DC SOURCE		LOW BATTERY PROTECTION	MEDIUM BATTERY PROTECTION	HIGH BATTERY PROTECTION
12V	Cut Out Voltage	10.1V +/-0.3V	11.4V +/-0.3V	11.8V +/-0.3V
	Cut In Voltage	11.4V +/-0.3V	12.2V +/-0.3V	12.6V +/-0.3V
24V	Cut Out Voltage	21.5V +/-0.3V	24.1V +/-0.3V	24.6V +/-0.3V
	Cut In Voltage	23.0V +/-0.3V	25.3V +/-0.3V	26.2V +/-0.3V

USING THE CONTROL PANEL

TURN FRIDGE ON OR OFF	When fridge is off, hold  power button for 3 seconds to turn off. When fridge is on, hold  power button for 3 seconds to turn off.
TURNING ONE COMPARTMENT ON OR OFF (DUAL ZONE ONLY)	If only one compartment is required, each bin can be individually isolated. To turn the small compartment of the fridge on/off, Press  and  simultaneously for 3 seconds or until the small bin display shows OFF. To turn the large compartment of the fridge on/off, Press  and  simultaneously for 3 seconds or until the large bin display shows OFF. Both bins follow the above step.
SETTING THE TEMPERATURE UNITS	To change the temperature display between Fahrenheit and Celsius, press the  3 times simultaneously until only the unit (C or F) is flashing. Select Fahrenheit or Celsius using the  and  buttons. Wait until the LCD screen stops flashing and the setting will be saved.
SETTING COMPRESSOR SPEED	To change the compressor speed between quick, normal and eco, press the  4 times simultaneously until both displays are flashing with the current selection. Navigate through the options using the  and  buttons. Wait until the LCD screen stops flashing and the setting will be saved.
SETTING THE VOLTAGE PROTECTION LEVEL	To set the voltage protection level, press and hold the  button for 3 seconds or until the light indicator moves to the next setting.
VIEWING THE BATTERIES VOLTAGE	To display the voltage of the battery connected, press the  button. Note: If the compressor is running, indicated by the run light illuminating green, the voltage displayed may be misrepresented by up to 0.5V due to voltage drop between the battery and the control board.
VIEWING THE FRIDGES BLUETOOTH CODE	To view the fridges Bluetooth code, press the  button to display a 4 digit number.

BLUETOOTH CONNECTION

BLUETOOTH APP

To get started please download the KA Products Main App from the Google Play Store or the Apple iTunes Store. If the App is already downloaded on your device, you must ensure that any updates to the App are installed prior to connecting.



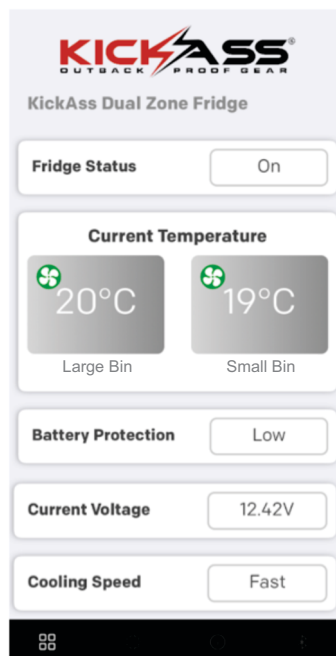
CONNECTING TO THE FRIDGE

On the App, find the device with the ID KickAss00xxxx that matches the fridge's device ID. This can be found by pressing the **V** button on the control board. Clicking on the device should prompt the user to enter a password. The password for the fridge is "00xxxx" where xxxx corresponds to the device ID. Once connected, the user will not need to enter the password when connecting to the fridge on the App.

USING THE APP

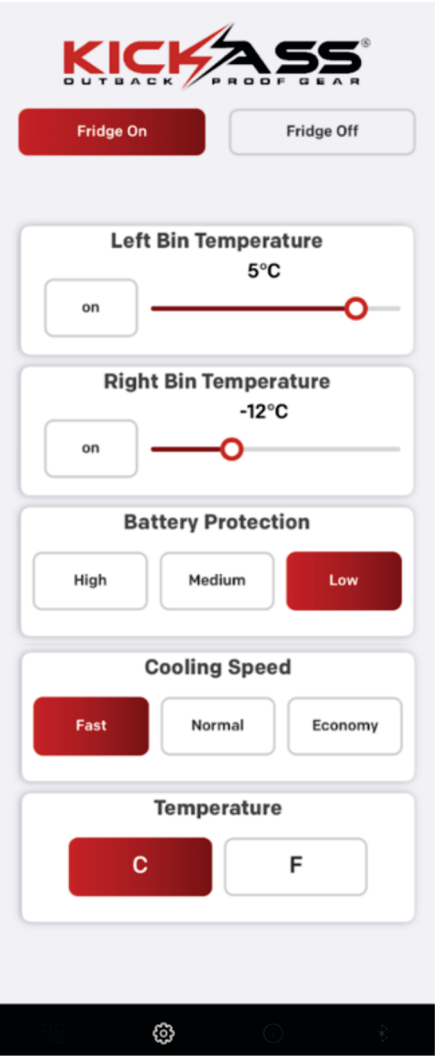
Home Page

The home page can be used to view the current status, battery protection and cooling speed settings of the fridge. The voltage of the battery can also be viewed via the App. Note: If the compressor is running, indicated by the run light illuminating green, the voltage displayed may be misrepresented by up to 0.5V due to voltage drop between the battery and the control board.



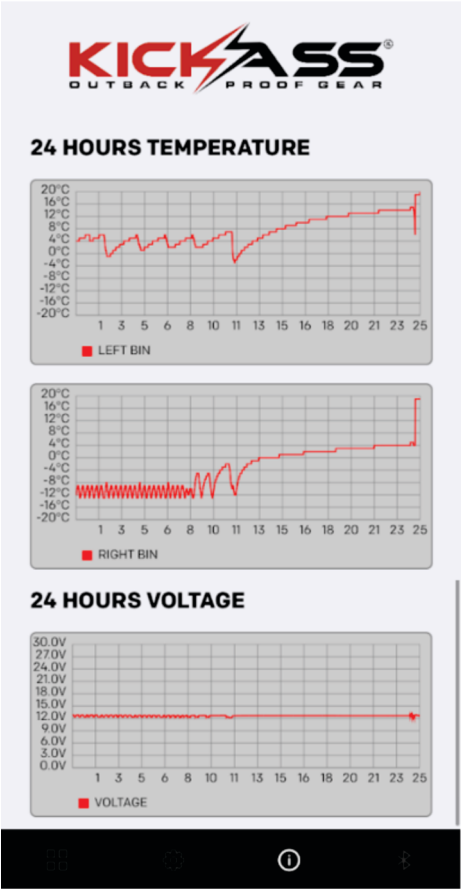
Settings Page

The settings page can be used to set the left and right bin temperatures or individually turn them on or off. It can also be used to adjust battery protection, cooling speed and change the unit of temperature display.



Graphical Display Page

The graphical display page can be used to map the 24 hour temperature of both bins as well as the 24 hour voltage of the battery being used.



TROUBLESHOOTING THE BLUETOOTH APP

Question: I cannot see or connect the Bluetooth App

- Make sure Bluetooth is turned on, on your device
- Make sure you are in range of the fridge (normally around 10 meters)
- Make sure you are using the correct verification code for the Bluetooth App
- Try turning the Bluetooth off and on

If the above failed, then follow the below steps:

- Ensure the App is the current version and there are no outstanding updates
- Uninstall the App or close all Apps in the background
- Turn both the fridge and the phone off for a couple of minutes
- Reinstall the App
- If you are still having problems please do not hesitate to contact Kickass

ROTATING THE LIDS

The lids can be rotated such that they can be opened from either side of the fridge. to do this, simply:



Unbolt the hinges and the latches from the base of the fridge and remove the screws covering the blank holes on either side



Lift lids away from fridge base



Rotate the lids and match the latches & hinges to their respective threaded holes. If using the case, the lid covers will also need to be rotated with the lids





Place lids in place



Screw the hinge and
latches in place and return
the screws covering the
blank holes



EMERGENCY OVERRIDE SWITCH

The emergency override switch is to be used in the event of an electronic control or display board failure. For normal operation the switch should be left in the OFF position. If an electronic failure occurs, slide the switch to the ON position. In this case, the fridge will run at full cooling capacity in one bin only.

← OFF ON →



OVERRIDE SWITCH

TROUBLESHOOTING

The appliance is not turning on

- Hold ON button
- Check the power supply is sufficient
- Check the cable and Anderson style plug have a good connection
- If using a DC connection, attempt to plug in an AC connection
- If using an AC connection, attempt to plug in an DC connection
- Check if the fuse in both the Anderson to Anderson and the Cigarette socket requires replacement

The food inside is frozen

- The setting temperature is too low, check the set temperature on the control board noting that the temperature of the fridge may be +/-3 degrees of the displayed temperature
- Check to ensure the override switch is in the off position

Bad performance in refrigeration

- The temperature setting is inappropriate
- The lid is unlocked/or open
- The lid seal is broken
- Problems arising from poor ventilation
- Too much warm product has been placed inside the refrigerator, it may take longer than usual to cool down
- The ambient temperature is too high or there is a heat source near the unit

The sound of water can be heard from inside the unit

- This is normal, due to the flow of the refrigerant

Unusual noise when refrigerator is working

- Ensure the refrigerator is on a level surface
- Loose componentry inside the refrigeration compartment (contact KickAss Products)

ERROR CODES

ERROR CODE	Error type as displayed on control board
ERROR 1	<p>Battery protection cut-out</p> <ul style="list-style-type: none"> • Please check the source voltage to ensure it is above the cut out. Try lowering the voltage cut out setting to LOW • The vehicle cabling may be inadequate/unsuitable. • Try on a different power source
ERROR 2	<p>Fan is drawing too many Amps(Over 1 Amp)</p> <ul style="list-style-type: none"> • Disconnect the fridge for 30 minutes and reconnect • Attempt to plug it in with both AC and DC power sources <p>If this does not resolve issue, Contact KickAss Products</p>
ERROR 3	<p>Possible electronic box or compressor fault</p> <ul style="list-style-type: none"> • Unplug for 10 minutes • Attempt to plug it in with both AC and DC power sources <p>If this does not resolve issue, Contact KickAss Products</p>
ERROR 4	<p>Compressor speed is too low</p> <ul style="list-style-type: none"> • Unplug for 10 minutes • Move unit to a lower ambient temperature • Attempt to plug it in with both AC and DC power sources <p>If this does not resolve issue, Contact KickAss Products</p>
ERROR 5	<p>Ambient Temperature too high</p> <ul style="list-style-type: none"> • Clean vents/ensure clear air flow
ERROR 6	<p>Thermostat open circuit fault</p> <ul style="list-style-type: none"> • The control board is not detecting the thermostat, there may be a loose wire or the thermostat may have failed, contact KickAss Products to diagnose fault <p>Note: The other bin will continue to function as normal</p>
ERROR 7	<p>Thermostat short circuit fault</p> <ul style="list-style-type: none"> • The thermostat has likely failed, Contact KickAss Products <p>Note: The other bin will continue to function as normal</p>

WARRANTY INFORMATION

Warranty Period:

KickAss Products Pty Ltd (KickAss) of 2 Mallet Street, Kunda Park, QLD, 4556, offers a 60 month warranty from date of purchase against manufacturing defects.

Warranty Inclusions:

Under ordinary usage conditions, this warranty covers any defect in design or manufacture which results in our product failing to perform as described in our advertising or literature (i.e. product manuals).

Where we are at fault during the warranty period, we will either repair or replace the product (or part of the product) at our discretion. When a product is repaired or replaced under this warranty, the original warranty period is not renewed or extended.

This warranty is provided in addition to your other rights and remedies under the Australian Consumer Law and does not exclude, restrict, modify, limit or override your rights under the Australian Consumer Law.

Warranty Exclusions:

Our warranty is non-transferable and is only offered to the original purchaser of our product.

Our warranty does not apply to:

1. damage caused by any improper use of our product(s);
2. damage caused by faulty installation or modification made during installation;
3. damage caused by mould, insects, animals, misuse, incorrect operation, adverse weather, accidents and fair wear and tear;
4. damage caused by exposure to excessive sunlight;
5. costs, losses or charges;
6. of removing and reinstalling the product;
7. directly or indirectly associated with the product failing to operate.
8. commercial use of KickAss products by government organisations or commercial fleet applications;
9. KickAss Products that are on-sold by the customer or exported for use outside of Australia.

How to Claim:

To make a claim visit supportportal.kickassproducts.com.au, or email sales@kickassproducts.com.au. Please provide your proof of purchase (i.e. sales receipt) to assist with your warranty claim.

Once we approve your warranty claim, we will arrange (at our cost) return shipping of the faulty product to an assessment facility of our choice. Once we have determined the cause of the defect, we will contact you with the outcome of our assessment and advise whether the faulty product will be repaired or replaced.

Australian Consumer Law:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and 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 acceptable quality and the failure does not amount to a major failure.