

4x4 ACCESSORIES



**TTF20
FRIDGE
FREEZER
20L**

CFB23020

PLU 717089

**2 YEARS
WARRANTY**

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INTRODUCTION

Dear Customer,

Thank you for purchasing this fridge which has passed through our extensive quality assurance processes. Every care has been taken to ensure that it reaches you in perfect condition. However, in the unlikely event that you should experience a problem, or if you require any assistance please do not hesitate to contact us;

If you have a problem, call customer service do not return this portable fridge to the place of purchase.

Note: For convenience we suggest taking a photocopy of your purchase receipt as the original may fade.

Due to continual product development, the actual product may differ slightly from the product pictured.

CUSTOMER SERVICE

Australia: 1300 174 876

Operating times: Monday – Friday

8.00am - 5.00pm

Australian Eastern Standard Time (AEST)

GENERAL INFORMATION AND SAFETY INSTRUCTIONS

Read this manual thoroughly before first use, even if you are familiar with this type of product. The safety precautions enclosed herein reduce the risk of fire, electric shock and injury when correctly adhered to. Keep the manual in a safe place for future reference, along with purchase receipt and carton. If applicable, pass these instructions on to the next owner of the appliance.

Always follow basic safety precautions and accident prevention measures when using an electrical appliance, including the following:



WARNING: 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. Children should be supervised to ensure that they do not play with the appliance.

NOTE: INTENDED USE: This is a portable fridge/freezer, designed for private use. It is exclusively designed for use in cars, 4WD's, caravans and other vehicles including mobile homes and campervans. It is designed to cool food and beverages and to be set up and used in dry, weather protected areas.

This portable fridge/freezer is not intended to replace a household fridge/freezer, it is designed for temporary use while camping.

This fridge/freezer is not intended as a medical or blood fridge/freezer, this is a camping fridge/freezer.



DO NOT STORE EXPLOSIVE SUBSTANCES SUCH AS AEROSOL CANS WITH A FLAMMABLE PROPELLANT IN THIS APPLIANCE.



WARNING:
RISK OF FIRE/FLAMMABLE MATERIALS - THE INSULATION OF THE COOLING DEVICE CONTAINS FLAMMABLE CYCLOPENTANE AND REQUIRES SPECIAL DISPOSAL PROCEDURES.



Electrical Safety and Cord HANDLING

- + Correct voltage: Make sure your local outlet voltage and circuit frequency corresponds to the voltage indicated on the appliance rating label.
- + Safe connection: Insert the power cord firmly into a 12V or 24V DC socket. Do not alter the plug.
- + Protect from moisture: To protect against electric shock, do not immerse the cord, plug or the appliance itself in water or other liquid.
- + Do not expose to rain.
- + Ensure your hands are dry before handling the plug or switching on the appliance. Do not use it on wet surfaces.
- + Protect the power cord. Do not kink or damage the power cord. Do not wrap it around the appliance. Do not pull the unit by the cord. Do not use the cord as a handle, close a door on the cord or pull the cord around sharp edges or corners. Keep the cord away from heated surfaces.
- + Never touch uninsulated cord with bare hands.
- + Always ensure that the correct voltage is applied to the fridge. The voltage is stated on the fridge's data plate.
- + Never obstruct vents to the fridge's compressor.
- + Defrost the fridge on a regular basis.
- + Never use hard or sharp implements to remove ice from the cooling compartment.
- + Never use abrasive or solvent based materials when cleaning the cooling compartment.
- + Do not use any electrical appliances inside the cooling compartment.
- + **WARNING:** Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- + **WARNING:** The illuminating lamps should not be replaced by the user! If the illuminating lamp is damaged, contact the customer helpline for assistance.
- + **WARNING:** DO NOT discard in general waste at the end of life, it should be taken to an appropriate recycling centre. Contact your local council for advice

APPLIANCE AND ACCESSORIES

LID LATCH

REVERSIBLE SIDE OPENING LID

FRIDGE COMPARTMENT

CONTROL PANEL

TIE DOWN POINTS
ON BOTH SIDES

HANDLE

12V/24V DC POWER CORD

15AMP FUSE
DC POWER INPUT
12V/24V DC



INSTALLATION

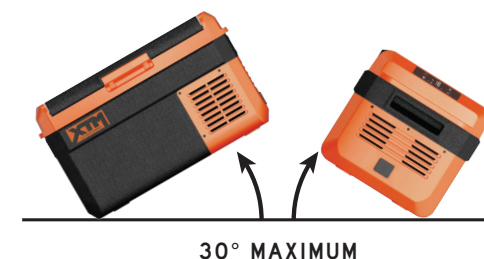
After unpacking the fridge check that no parts are missing. Place the unit in a dry place which is protected against splashing water. Do not place directly adjacent to sources of heat such as heating, gas ovens, hot water, pipes or directly in the sun.

It is important that your appliance is installed and operated in accordance with these instructions to ensure its performance, efficiency and operation.

The normal operation of the appliance requires heat to be radiated away from the condenser located at the end of the cabinet.

Adequate airflow is required around the compressor at all times so it is important to keep the grilles clear of obstructions during use. A minimum of 60mm of clearance around the grilles is recommended.

The cooling system has been designed to operate correctly when the appliance is positioned on angles up to 30 degrees. It is recommended that the time the unit is exposed to angles over 30 degrees is limited to a maximum of four (4) hours continuous operation.



KEY DIMENSIONS (IN MM)



INPUT POWER REQUIREMENTS

The fridge is designed to operate from a 12V DC or 24V DC supply (e.g. car cigarette lighter style socket, vehicle battery or suitably rated power bank).

Before connecting your fridge to a power source, check:

- + The socket is rated to supply the correct voltage and current required by the fridge and is adequately fused.
- + The socket is clean and dry and will be protected from dirt and water during use.
- + If the socket is newly installed, it is recommended to use a minimum of Ø6mm (AWG11) 4.58mm² Twin Sheath Two Core cable directly connected to the positive and negative battery terminals with 15A in-line fuse protection.

NOTE: It is important that the correct cord size and gauge is used for the installation of the DC supply as over distance the voltage can decrease if the incorrect cord size and gauge cord is being used. We recommend to always consult a qualified automotive electrician.

CONNECTING & OPERATING YOUR FRIDGE

- + Plug the 12V/24V DC power cord into the DC power socket (as highlighted over page) on the end of the fridge and then connect to the vehicle cigarette lighter socket or suitable 12V or 24V DC power source.
- + The fridge will automatically turn on, there is no requirement to switch the appliance on.
- + The display will automatically show the current internal cabinet temperature.
- + Use only the 2.4m DC power cord supplied with the fridge.
- + The fridge is equipped with an electronic control system that will prevent polarity reversal. In the event that the battery connection is reversed the unit will not start or operate. The power input socket on the fridge is fitted with a 15A blade fuse for protection.

If your fridge is cutting out prematurely, it could be due to:

1. The low voltage protection being set too high on the Battery Protection.
2. DC power cord and/or connections are not suitable to carry the required current. Check the power cord and all connections and adjust the Battery Protection on the control panel.

NOTE: A battery charger may only be connected to the battery when the fridge has been disconnected from the DC power source.

- + Over-voltage may cause damage to the electronics of the fridge.

CONNECTING & OPERATING YOUR FRIDGE FROM AN AC SOURCE

To power your fridge from 240V AC mains power you will need to purchase the correct XTM Fridge/Freezer AC Adapter.

Do not use any other AC adaptor as this may cause damage to your fridge/freezer.

REVERSING THE DOOR SWING

The door of the fridge can be removed and switched to the opposite side. Please refer to the instructions provided below.

1. Set the door to open at a 60-degree position.
2. Take out the door along the track.
3. When reassembling, tilt the door to a 60-degree angle as you slide it along the track.



BATTERY PROTECTION SETTING

The fridge is equipped with a multi-level Battery Protection that protects a battery against excessive discharging when the fridge is connected to 12V or 24V DC power source such as a vehicle battery.

IMPORTANT: When using the fridge with DC power supply or power pack, we recommended setting the Battery Protection to LOW.

1. Fridge to automatically restart once input voltage is reached and is to retain all original settings prior to monitor being activated.
2. Audible beeping to be heard when monitor is activated.

12V DC INPUT	CUT OUT	START UP
HIGH	11.1V	12.4V
MEDIUM	10.4V	11.7V
LOW	9.6V	10.9V

24V DC INPUT	CUT OUT	START UP
HIGH	24.3V	25.7V
MEDIUM	22.8V	24.2V
LOW	21.3V	22.7V

CONTROL PANEL AND OPERATION

When your fridge is first connected to the DC power input the appliance will automatically switch on and the LED control panel will display the current cabinet temperature, battery protection and cooling speed.

- + The Temperature Controller provides the ability to set the desired temperature level and display the current cabinet temperature. The electronic controller has been programmed to maintain an average of the set temperature.
- + The compressor will start up when the internal cabinet temperature increases 0.5 to 1.5 degrees above the set temperature and will run until the temperature is 0.5 to 1.5 degrees below the set temperature.

POWER

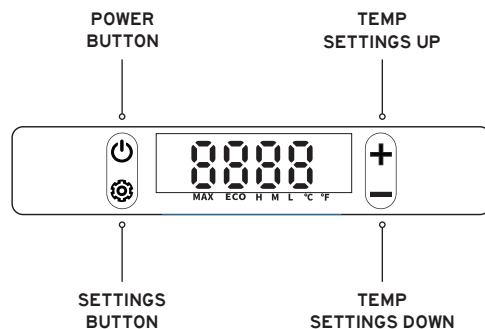
1. Press  button to turn fridge ON.
2. Press button again to turn fridge OFF.

TEMPERATURE SETTING

1. Press either   once the set temperature will start to flash.
2. Use the   to set temperature
3. Wait 5 sec for display to stop flashing and display will change to the current compartment temperature

BATTERY PROTECTION

- 1 Press & hold  button for 5 seconds to enter settings mode, the bottom line will start flashing
- 2 Press the  button again to cycle between Mode, Battery Protection and Temperature Scale
3. Once the battery protection is flashing, use the   to cycle through the High, Medium Low.
4. Wait 5 sec for the display to stop flashing and the selected battery protection is saved.



TEMPERATURE SCALE

1. Press and hold the  button for 5 sec to enter settings mode, the bottom line will start flashing.
2. Press the  button again to cycle between Mode, Battery Protection and Temperature Scale.
3. Once the Temperature Scale is flashing, use the   to cycle through the Celsius and Fahrenheit.
4. Wait 5 sec for the display to stop flashing and the selected temperature scale is saved.

MAX/ECO MODE

1. Press and hold the  button for 5 sec to enter settings mode, the bottom line will start flashing.
2. Press the  button again to cycle between Mode, Battery Protection and Temperature Scale.
3. Once the Mode is flashing, use the   to cycle through the ECO and MAX.
4. Wait 5 sec for the display to stop flashing and the selected Mode is saved.

POWER OFF MEMORY

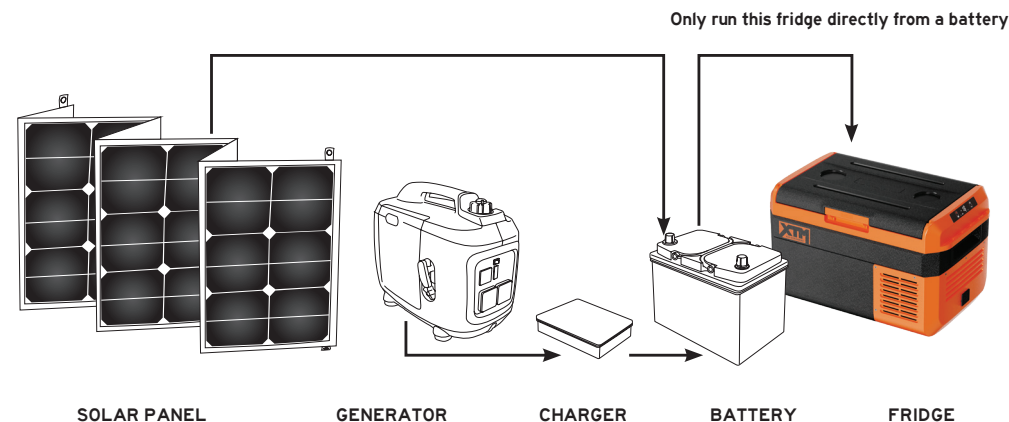
If power is cut to the fridge, the ON/OFF status, mode and temperature settings will resume to the previous settings as soon as the power is restored.

USING WITH SOLAR PANELS

- + The power consumption and efficiency of your fridge makes it ideal to be used in conjunction with solar panels to provide recharging of the DC power source. Solar panels will provide charge into the battery during the daylight hours even while the appliance is operating.
- + As the output from solar panels changes depending on the level of sunlight and intensity, your fridge cannot be connected directly to the solar panels. The appliance must be connected to a suitable DC battery and then the solar panels connected to the battery.
- + We recommend the use of the quality portable solar panel kits from 100 to 200 watts for use with your fridge. DO NOT connect the fridge directly to the solar panel as it will not work. Connection must be via the battery.

USING PORTABLE GENERATORS

- + It is important that your fridge is never connected directly to a generator. This fridge is designed to operate directly from a battery. Using from a generator may result in damage to your fridge which may void your appliance warranty.
- + Most generators are fitted with a DC power output socket - DO NOT connect your fridge directly to the DC power output of the generator as this will result in damage to your fridge and void warranty. Connection must be via the battery.
- + When charging the battery using a digital or inverter type generator, we recommend only using a 'smart battery charger' that is fully automatic, spark proof and reverse polarity protected. The battery charger is connected directly to the AC power output of the generator.



TIPS AND SUGGESTIONS

- + When the appliance is being set at 0° or lower temperatures, do not store glass bottles or liquids such as beer, milk, juices or soft drinks in the unit as these may freeze and shatter.
- + To improve the efficiency of your fridge it is better to have the fridge as full as possible at all times. A full fridge will provide lower power consumption over 24 hours than a half empty one. When the fridge is full there is little air space between the goods so the cold air is trapped, but when there is lots of air the coldness cannot be captured and held. On a trip it is a good idea to replace finished products with bottles of water or similar. This will fill the empty spaces and allow the coldness to remain within the fridge.
- + Frequent fridge opening will allow warm air to enter the fridge. Keep the number of times you open the fridge to a minimum where possible.
- + When located in the rear of a car or trailer, it is recommended that the appliance be kept away from direct sunlight to reduce the risk of increased heat. It should also be provided with suitable ventilation to guarantee efficient power consumption and performance. You must remember that when a vehicle is parked in the sun on a day where the ambient temperature is +30°C, the interior of the vehicle can reach +55°C.

DEFROSTING

It is normal for ice to accumulate on the cooling surfaces of a freezer. This will be more significant in humid environments. Increased ice build-up will reduce cooling performance and should be removed periodically.

- + Before defrosting, remove any contents of the fridge or freezer compartments.
- + Disconnect all power cables from the fridge and open the main door.
- + Allow any ice to defrost and melt by itself (Do not use sharp objects to scrape ice from the cooling surfaces).
- + Use a soft cloth to remove melting ice and water.
- + It is best to dry the interior before turning on the fridge.

MAINTENANCE AND SERVICE

Your fridge will be delivered cleaned from the factory, nevertheless you should clean prior to initial use. Take a cloth which has been slightly moistened with lukewarm water. Pay attention that no water drops into the seals and possibly damages the electronics. Dry off the fridge with a cloth after cleaning. Clean your fridge periodically and as soon as it is dirty.

If you notice an unusual odour coming from inside, it could be due to it being a new product or alternatively, take a look to identify any expired or deteriorated items in the fridge.

It is advised to air out the product in a well-ventilated area with lid open for a while.

If this does not reduce or eliminate the odour, place an open dish/bowl in centre of the fridge and place 1/2 cup sodium bicarbonate and leave for a few days, you may need to repeat but this should remove and eliminate the odour.

ATTENTION:

- + DO NOT use solvents or agents with sand or acid parts for cleaning your fridge.
- + DO NOT use brushes, graters or hard sharp tools to clean your fridge.
- + Before cleaning, the power cord should be disconnected and the fridge switched OFF.
- + Clean the fridge inside and out with a damp cloth. For stubborn dirt, use some sodium bicarbonate dissolved in lukewarm water.
- + After washing, rinse with clean water and dry carefully.
- + When storing your fridge for a long period of time, DO NOT fully close the fridge. This will prevent mould and odours. For additional queries, service and maintenance please contact our After Sales Support 1300 174 876. They will provide you with expert advice on further information you may require.

DISPOSAL

When it comes to the end of its working life, your fridge should be disposed of responsibly to ensure that it does not contaminate the environment. It would be advisable to contact your local council for where to recycle your fridge

ERROR	ISSUE	POSSIBLE CAUSE
	Fridge does not work	Check if power is connected properly (check plugs are securely positioned and positive and negative not reversed) Check power switch in ON Check if cooling unit ventilation is not blocked or restricted Check the fuse next to the input socket at the front of the unit and at the supply
	Poor cooling performance	Check that the fridge is securely closed Check if there is any damage to the fridge seals Check if cooling unit ventilation is not blocked or restricted Check the set temperature is adequate
	Abnormal noise	Check if refrigerator is level Check for vibration sources in surrounding objects Check for loose items in the fridge Water flow type noise is normal and not sign of any fault in the unit
	Condensation	It is normal for some condensation to form on the refrigerator surface when humidity is more than 75%
E1	Low Input Voltage	Power cord was inserted into the cigarette socket before car starts - wait for car engine to start before plugging in Battery protection level setting is too high - adjust the protection setting or change to a power source with a higher output voltage
E2	Fan Fault	Contact service to have the fan replaced
E3	Compressor Start Fault	Shut down the fridge for 5 minutes and restart it - if it doesn't fix the issue, follow the procedures for E1 error
E4	Compressor Operation Fault	Check the input voltage to the fridge and restart
E5	Overheat of Controller	Shut down the fridge for 5 minutes and check for cooling unit ventilation restrictions or blockages
E6	NTC Open or Short Circuit	Contact service to have the NTC sensor checked
E7	Communication failure between the display board and its module	Contact service to have PCB checked
E9	Abnormal phase current of compressor module	Ensure air vents are unobstructed. Move fridge to cooler location, ambient temperature may be too high

PART NO.	CFB23020
GROSS CAPACITY:	20L
CLIMATIC CLASS:	SN/N/ST/T
RATED VOLTAGE - DC:	12V / 24V or 14.5V DC
RATED CURRENT - DC:	5.8A / 2.9A
POWER CONSUMPTION:	0.617kW.h/24h
REFRIGERANT TYPE/AMOUNT:	R134a - 23g
FOAM VESICANT:	CFC Free PU Foam
TEMPERATURE RANGE:	-20°C to +20°C
NET WEIGHT:	10.3KG

For further information or assistance please contact customer service on 1300 174 876

4x4 ACCESSORIES



TTF20 FRIDGE FREEZER 20L



**FOR SERVICE, SPARE PARTS
OR PRODUCT INFORMATION,
PLEASE CONTACT SITRO GROUP
AUSTRALIA PTY LTD.**

Mon - Fri 8.00am - 5.00pm (AEST)
Do not return to place of purchase
Keep your purchase receipt, this will be required
to make any claims under the 2 Year warranty.

AUST. 1300 174 876

Manufactured in China for
SUPER RETAIL GROUP LIMITED
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