




# COMPANION

FLEXI-ZONE 72L



**3** YEAR  
WARRANTY

 SAA-140988-EA

## INSTRUCTION MANUAL

Part No. COMP02056AN



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## 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:

### 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.

**Note: Intended use:** This is a portable product, designed for private use. It is exclusively designed for use in cars, 4WD's, caravans and other vehicles including mobile homes, campervans and boats. It is designed to cool food and beverages and to be set up and used in dry, weather protected areas.

- **Safe connection:** Insert the power lead firmly into a properly earthed AC mains or 12V DC socket. Do not alter the 240V plug.
- **Protect from moisture:** To protect against electric shock, do not immerse the cable, plug or the appliance itself in water or other liquid. Ensure your hands are dry before handling the plug or switching on the appliance. Do not use it on wet surfaces.

**Note:** Installation of AC power in boats should be carried out by a qualified electrician.

- **Protect the power cable.** Do not kink or damage the power cable. Do not wrap it around the appliance. Do not pull the unit by the cable. Do not use the cable as a handle, close a door on the cable or pull the cable around sharp edges or corners. Keep the cable away from heated surfaces.
- **Never touch uninsulated cables with bare hands.** This applies especially to handling AC cables.

- **For installations in boats:** If the device is AC mains operated, it is important that the system is protected by a fuse and an earth leakage protection device.
- **Always** ensure that the correct voltage is applied to the fridge/freezer. The voltage is stated on the fridge/freezer's data plate.
- **Never** obstruct vents to the fridge/freezer's compressor.
- **Defrost** the fridge/freezer 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.

**Note:** 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.

- **Do not** expose to rain
- This appliance is suitable for camping use.
- This appliance may be connected to more than one source of power.



## ASSEMBLY AND PARTS

1. Lid Handle
2. Control Panel
3. Carry Handles
4. Power Input Panel
5. 12V/24V DC Power Cable
6. 240V AC Power Cable
7. Storage Baskets
8. Internal Light
9. Air Flow Vent



## GETTING STARTED

### INSTALLATION

After unpacking the fridge/freezer 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.

### APPLICATION AND OPERATIVE COOLING RANGE

The cooling compartment has varying temperature zones. The values indicated on the digital display are related to the middle of the cabinet. The Flexi-Zone fridge/freezer can be used as either a fridge or a freezer or both simultaneously. The fridge/freezer may be used for outdoor use such as for camping purposes. If you wish to refrigerate medicines, first check to ensure the fridge/freezer's cooling capacity meets the demands of the respective medicines. The fridge/freezer is designed to operate in ambient temperatures between  $-10^{\circ}$  and  $+55^{\circ}$  C in a maximum air humidity of 90%. The fridge/freezer can operate continuously at a maximum angle of  $30^{\circ}$  level operation is preferable.

**Note:** 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. (Fig. 1).

The cooling system has been designed to operate correctly when the appliance is positioned on angles up to  $30^{\circ}$  degrees. It is recommended that the time the unit is exposed to angles over  $30^{\circ}$  degrees is limited to a maximum of four (4) hours continuous operation. (Fig. 2).

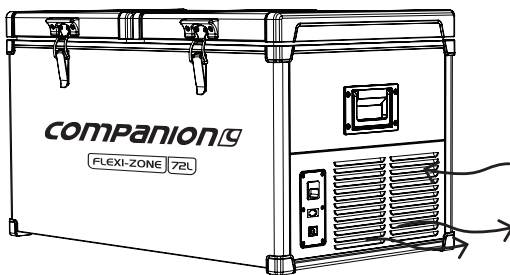


Fig. 1

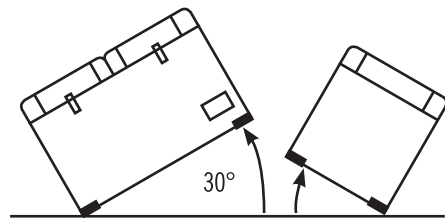


Fig. 2

## POWER REQUIREMENTS

The fridge/freezer is designed to operate on AC or DC voltage.

- AC input 240V AC at 50Hz (e.g. electrical power point)
- DC input 12V or 24V DC (e.g. car cigarette lighter or car battery)
- The power supply automatically switches the fridge/freezer to mains operation when connected to 240V mains power, even if the 12V/24V DC power cable is connected.
- If the fridge/freezer is operating when the vehicle ignition is switched OFF, the fridge/freezer will switch OFF automatically when the power source voltage falls below the Battery Monitor cut-out setting.
- The fridge/freezer will automatically switch back ON when the vehicle is re-started and the power source voltage reaches the Battery Monitor cut-in setting.

### OPERATING YOUR FRIDGE/FREEZER WITH 12/24V DC

- Plug the 12V/24V DC power cable into the DC power socket (as circled) on the end of the fridge/freezer and then connect to the vehicle cigarette lighter socket or suitable 12V or 24V DC power source.
- The fridge/freezer will automatically turn on, there is no requirement to switch the appliance on.
- The display will automatically show the current internal cabinet temperature.
- For optimum performance and efficiency, it is important that the fridge/freezer has a reliable DC power source available. Direct connection to the battery is recommended and reduces the risk of voltage dropping to the appliance.
- Use only the 1.5m DC power cable supplied with the fridge/freezer.

**Important:** If a DC extension cable is required we recommend use of a 6mm dia. (AWG11) 4.58mm<sup>2</sup> Twin Sheath Two Core cable with direct connection to the positive and negative battery terminals with 15A inline fuse protection.

- The fridge/freezer 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 is fitted with a 15A blade fuse for protection.

### 12/24V DC POWER REQUIREMENTS

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

1. The low voltage protection being set too high on the Battery Monitor
  2. DC power cable and/or connections are not suitable to carry the required current. Check the power cable and all connections and adjust the Battery Monitor on the control panel.
- The fridge/freezer is equipped with a multi-level Battery Monitor that protects your vehicle battery against excessive discharging when the fridge/freezer is connected to 12V or 24V DC power source.

**Important:** When using the fridge/freezer with DC power supply, we recommended setting the Battery Monitor to LOW (L).

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

- Over-voltage may cause damage to the electronics of the fridge/freezer.
- Your fridge/freezer is equipped with reverse polarity protection. It protects your fridge/freezer against reverse battery connection and short circuit.



- As a protection for your battery, the fridge/freezer switches OFF automatically if the power source voltage is insufficient.

**Note:** It is important that the correct cable size and gauge is used for the installation of the DC supply as over distance the voltage can decrease if the incorrect cable size and gauge cable is being used.

- Always consult a qualified automotive electrician when using a DC extension cable.

#### Operating your Fridge/Freezer with 240V AC

- Plug the 240V AC power cable into the AC POWER socket (as circled below) on the end of the fridge/freezer and then connect to a suitable 240V AC power source.
- The fridge/freezer will automatically turn on, there is no requirement to switch the appliance on.

- The display will automatically show the current internal cabinet temperature.
- The fridge/freezer is equipped with a multi-voltage internal power supply with priority circuit for connecting to an AC voltage power source of 240V.
- The power input socket is fitted with a 15A DC blade and a 5A/250V glass fuse for protection.

**Caution:** Do not touch cables, plugs or switches with wet hands or when your feet are in contact with water! If you operate your fridge/freezer on board a boat by means of a shore connection to a 240V AC power source, the power connection must include an earth leakage RCD residual current device.

## PARTS

1. DC Power Cable
2. AC Power Cable
3. 220-240V AC Power inlet
4. 12-24V DC Power inlet



## TEMPERATURE CONTROL

When your fridge/freezer is first connected to the AC or DC power input the appliance will automatically switch on and the LCD control panel will display the current cabinet temperature, battery monitor and Eco setting as well as the current input voltage.

- 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.

## BATTERY DISPLAY

Voltage is measured at the input connection on the side of the appliance.

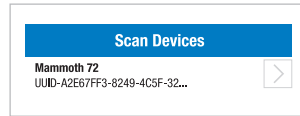
BATTERY DISPLAY	12V	24V
0 BAR	9.6V or less	21.3V or less
1 BAR	9.7V to 10.3V	21.4V to 22.4V
2 BAR	10.6V to 11.0V	22.7V to 23.5V
3 BAR	11.1V to 11.7V	23.6V to 24.6V
4 BAR	11.8V to 12.4V	23.7V to 25.7V
5 BAR	12.5V or above	25.8V or above



\*Values are for reference only and may be subject to change depending on conditions and power supply.

## BLUETOOTH™ CONNECTION INSTRUCTIONS

1. Visit the Apple APP Store or Google Play and search "Portable Fridge" locate the free Mammoth APP, down load and install
2. Check that the fridge is connected to a suitable power source and then launch the APP



3. The **Blue LED** will illuminate on the fridge control panel confirming connection to the device
4. Once connected the device will display the current settings and operation of the fridge
5. To adjust select **Settings** which will then display the control panel



- Make the required adjustments and then select **Save Setting**
- Select **Back** and the display will show the new settings

To change the identifying name or password of your fridge from the factory settings you must first connect to the fridge

- Select **Settings**
- Select **Modify**
- Make the required changes then disconnect form the fridge

**Note:** The APP is designed to connect and control only one fridge at a time and can be used with in 10m of the unit. It is recommended to keep solid walls and obstructions to a minimum between the fridge and device to ensure correct operation.



## FLEXI-ZONE OPERATION



1. USB Outlet
2. Power On/Off Button
3. Mode Button
4. Zone 1 Temperature Display
5. Zone 2 Temperature Display
6. Battery Monitor Display
7. Compressor Speed
8. Battery Display
9. Up Button
10. Down Button

### POWER

1. Press & Hold POWER button for 3 seconds to turn fridge ON
2. Press & Hold POWER button for 3 seconds to turn fridge OFF

### TEMPERATURE SETTING – ZONE 1

1. Press MODE once to select Zone 1
2. Display FLASHES current temperature setting
3. Press Up / Down to set temperature
4. Display FLASHES for 3 seconds then returns to display ACTUAL temperature

### TEMPERATURE SETTING – ZONE 2

1. Press MODE twice to select Zone 2
2. Display FLASHES current temperature setting
3. Press Up / Down to set temperature
4. Display FLASHES for 3 seconds then returns to display ACTUAL temperature

### BATTERY MONITOR

1. Press MODE three times and current setting flashes
2. Press Up / Down to select setting
3. Display FLASHES for 3 seconds and displays new setting

### COMPRESSOR SPEED

1. Press MODE four times and current setting flashes
2. Press Up / Down to select setting
3. Display FLASHES for 3 seconds and displays new setting

### POWER

1. Press & Hold POWER button for 3 seconds to turn fridge ON
2. Press & Hold POWER button for 3 seconds to turn fridge OFF



### SHUT DOWN ZONE 1 OR 2

1. Press MODE to select Zone 1 or Zone 2
2. Display FLASHES current temperature setting
3. Press Up until - - is displayed
4. Reverse process to restart the cooling of each zone

### DIMMING

1. Press and HOLD Mode and push the Up button
2. Display will cycle through the five brightness levels

### FACTORY SETTINGS

When power is first applied to fridge or when being turned back on using the POWER button the fridge should have the following factory programmed settings.

- Temperature Setting – Actual
- Battery Monitor – MED
- Compressor Speed – ECO
- LCD Brightness – 100%

### CONSUMER SETTINGS

When power is disconnected from the fridge for more than 10 minutes the system will return to factory settings.

### POWER INPUT

When connected to DC input the voltage is shown, when connected to AC input the symbol of AC is displayed

### DOOR ALARM

If the door is let open for more then 1 minute an alarm will sound.

### BATTERY MONITOR SETTING

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 and the battery symbol will flash

12V DC INPUT	CUT OUT	CUT IN
H (High)	12.0V	13.0V
M (Medium)	11.5V	12.5V
L (Low)	10.5V	11.5V

24V DC INPUT	CUT OUT	CUT IN
H (High)	24.0V	25.0V
M (Medium)	23.0V	24.0V
L (Low)	21.0V	22.0V

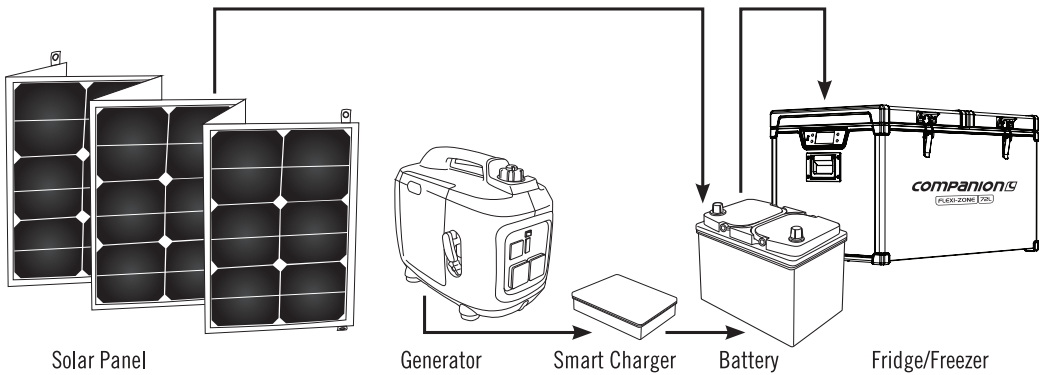
## USING WITH SOLAR PANEL OR GENERATOR

### USING WITH SOLAR PANELS

- The power consumption and efficiency of your fridge/freezer 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/freezer 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 80 to 200 watts for use with your fridge/freezer. DO NOT connect the fridge/freezer directly to the solar panel as it will not work. Connection must be via the battery.

### USING PORTABLE GENERATORS

- It is important that the correct generator size is used with your fridge/freezer. An incorrect generator or voltage output may result in reduced performance or damage to your fridge/freezer which may void your appliance warranty.
- If connecting directly to an AC generator, ensure that only a digital or inverter type generator is used. These provide a more reliable and constant 240V AC output power source and are specifically designed for use with electronic and other power sensitive appliances.
- 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/freezer 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

- Fresh and frozen foods should not be stored right beside each other in the cabinet. Doing so may cause a fresh food to freeze and/or spoil.
- 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.
- Items such as fruit and vegetables should be stored closer to the top of the cabinet as this area is normally slightly warmer. This will reduce the risk of spoiling and ensures that damage is not caused by being crushed by heavier items.
- To improve the efficiency of your fridge/freezer it is better to have the cabinet as full as possible at all times. A full cabinet will provide lower power consumption over 24 hours than a half empty one. When the cabinet 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 cabinet.
- Frequent door opening will allow warm air to enter the cabinet. Keep the number of times you open the door 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.

## MAINTENANCE AND SERVICE

Your fridge/freezer will be delivered cleaned from the factory – you nevertheless 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/freezer with a cloth after cleaning. Clean your fridge/freezer periodically and as soon as it is dirty.

### ATTENTION:

- **DO NOT** use solvents or agents with sand or acid parts for cleaning your fridge/freezer.
- **DO NOT** use brushes, graters or hard sharp tools to clean your fridge/freezer.
- Before cleaning, the power cable should be disconnected and the fridge/freezer switched **OFF**.
- Clean the fridge/freezer 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/freezer for a long period of time, **DO NOT** fully close the lid. This will prevent mould and odours.

For additional queries, service and maintenance please contact our After Sales Support 1300 555 197. 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/freezer should be disposed of responsibly to ensure that it does not contaminate the environment. It would be advisable to contact your local council for advice on the disposal of this unit.

## TROUBLESHOOTING

ISSUE	POSSIBLE SOLUTIONS
The fridge/freezer will not turn on	Check the unit is switched ON – Press and hold button for 2 to 3 seconds
	Check the power source (voltage may be too low)
	Check the power cable and all connections from the battery to fridge/freezer
	Check the fuse at the Power Input Panel
The contents of the fridge are freezing	The temperature has been set too low, therefore increase the temperature setting.
Poor refrigeration performance	Too much food has been put inside the unit
	Temperature of the food put inside the fridge is too high
	Lid is not closed properly
	Lid seal is damaged
	There is poor ventilation around the fridge
	Ambient temperature is very high
	Temperature is not set correctly
There is a “water flow” type of noise from inside the unit	This is normal, caused by the flow of refrigerant
There is a noise from the unit	Unit is not on a flat level surface
	Check for vibrations in surrounding objects
Fridge/freezer does not work and display does not illuminate	There is no voltage present in the 12V/24V cigarette lighter socket in your vehicle. The ignition must be switched ON in most vehicles to apply current to the cigarette lighter socket.
	No voltage present in the AC voltage socket. Try using another plug socket.
	The fridge/freezer fuse is defective. Replace the fuse.
	The integrated mains adaptor is defective. This can only be repaired by an authorised repair centre. Contact After Sales Support 1300 555 197.
Fridge/freezer does not work and display does not illuminate when operating from the 12V/24V cigarette lighter socket with ignition switched ON.	The cigarette lighter socket fuse is defective and must be replaced.
	The cigarette lighter socket must be cleaned or the plug has not been assembled correctly.

## SPECIFICATIONS

<b>Part No.</b>	<b>COMP02056AN</b>
<b>Gross Capacity</b>	72L
<b>Net Weight</b>	35kg
<b>Product Dimensions</b>	829L x 498W x 476Hmm
<b>Connections</b>	AC 220V - 240V : DC 12V/24V
<b>Current Draw (average)</b>	5.6A/12V : 3.0A/24V
<b>Cooling Range</b>	+10 to -18°C
<b>Power Input</b>	80W
<b>Insulation</b>	PU Foam
<b>Compressor</b>	SECOP PBC2,5
<b>Thermostat</b>	Electronic control
<b>Material</b>	Metal cabinet, lid and lining
<b>Certification</b>	SAA-140988-EA

For further information or assistance please contact customer service on 1300 555 197 or email [service@companionbrands.com.au](mailto:service@companionbrands.com.au)





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