

PORTABLE FRIDGE/FREEZER

Portable Fridge/Freezer Instruction Manual



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Safety instructions

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. children shall not play with the appliance. cleaning and user maintenance shall not be made by children without supervision
- Children aged from 3 to 8 years are allowed to load and unload refrigerator appliances
- The appliance is only to be used with the power supply unit provided with appliance.
- **WARNING**--Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- **WARNING**--Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer
- **WARNING**--Do not damage the refrigerant circuit.

NOTES

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- **WARNING**--Do not use electrical appliances inside the foodstorage compartments of the appliance,unless they are of the type recommended by the manufacturer.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- **WARNING**--When positioning the appliance,ensure the supply cord is not trapped or damaged.
- **WARNING**--Do not locate multiple portable sockey-outlets or portable power supplies at the rear of the appliance .
- Never touch uninsulated cables with bare hands.
- Always ensure that the corrent voltage is applied to the refrigerator, the voltage is stated on the refrigerator or cooling unit's data plate.
- Never open the cooling circuit!
- The unit is not designed for transporting corrosive solventcomprising substances.
- Never obstruct vents to the refrigerator's compressor.
- Defrost the refrigerator on a regular basis.
- Never use hard or sharp implements to remove ice from the evaporator.
- Never use abrasive or solvent based materials when cleaning the evaporator.
- Your refrigerator, should be disposed of by a specialist to ensure that it does not contaminate the environment.
- Don't use any electric appliance inside the cooling compartment.
- Safety instructions in the text are marked with this symbol: 

Application

The refrigerator is designed to refrigerate or freeze food. The unit may also be used for camping purpose. If you wish to refrigerate medicines, first check if the refrigerator's cooling capacity meets the demands of the respective medicines.

The refrigerator is designed to operate in ambient temperatures between Celsius in a maximum +1°C and+43°C air humidity of 70%.

The refrigerator can operate continuously at an angle of +20°C maximum.

The refrigerant used in the cooling circuit is CFC-free.

Installation

After unpacking the device check that no parts are missing.

Place this refrigerator in a dry place which is protected against splashing water.

Do not get the vents wet.

The unit consists of two connections: for the 12/24V DC-net and the 220~240V AC-net.

It should not be placed directly adjacent to sources of heat such as heaters, gas ovens, hot-water, pipes or under the blazing sun.

⚠ Keep well ventilated--very important! The cooling device must be installed in such a manner that warm air can escape without being obstructed

Battery operation

The fridge can be operated with 12V or 24V DC.

Connect the refrigerator to cigarette lighter socket of your vehicle with the supplied DC 12V/24V DC connection cable.

The unit will operate between 10.1V and 15V(12V nominal) or between 20.1V and 30V DC(24V nominal) Over voltage will cause damage to the electronics of the unit

The unit must be disconnected when a fast charger is connected to the battery.

⚠ The refrigerator uses a small amount of idle current when connected. Always disconnect from the battery when the fridge is not in use As protection for your battery, the unit will switch off when the battery voltage falls below 10.5V.

Operation from the mains

In case you want to operate the refrigerator from the 220~240V mains, please use the AC connection cable equipped from manufacturer, plug the cable into outlet of your mains.


Ensure the voltage indication on the type plate is in accordance with the output of your mains.

⚠ Never touch plugs or switches with wet hands or when you are in contact with water! if you use the fridge on a boat using AC mains power, you must use a residual device (RCD).

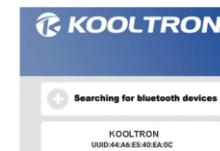
BLUETOOTH CONNECTION INSTRUCTIONS

1. Visit the Apple APP Store or Google Play and search "Portable Fridge" locate the free Kooltron APP, down load and install
2. Check that the fridge is connected to a suitable power source and then launch the APP
 - Search for your fridge, once located select device
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 **Any Pattern** which will then display the control panel Make the required adjustments

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

- Select 
- Make the required changes then disconnect from 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.



Trouble shootings

- cool down for 10 minutes.
 - please check and ensure the power source are in accordance with the requirement labeled on the rating plate.
 - please keep in a well-ventilated area.
 - reconnect the power, ensure the cable is connected.
 - check if the unit starts and works normally.
- If the unit doesn't work, send it back to the seller or authorized agent service.

Specification

Model No.	NCC-45M	NCC-60M	NCC-72M	NCC-82M	NCC-58FF
Capacity	45L	60L	72L	82L	58L
Temperature Range	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C
Input Voltage	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V
Average Running Current	5.5AMP ON DC 12V	5.5AMP ON DC 12V	5.5AMP ON DC 12V	5.5AMP ON DC 12V	5AMP ON DC 12V
Power Consumption	65W	65W	65W	65W	60W
Compressor Specification	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V
Cut-Out Voltage	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)
Net Weight	23kg	26kg	31kg	31kg	31kg
Item Dimension	599 X 520 X 460 mm	599X 520X 546 mm	829 X 520 X 476 mm	829 X 520 X 476 mm	825X 490 X 445 mm
Model No.	NCC-45	NCC-60	NCC-60FF	NCC-80	NCC-80F
Capacity	45L	60L	60L	80L	80L
Temperature Range	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C
Input Voltage	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V
Average Running Current	5AMP ON DC 12V	5AMP ON DC 12V	5AMP ON DC 12V	5AMP ON DC 12V	5AMP ON DC 12V
Power Consumption	60W	60W	60W	60W	60W
Compressor Specification	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V
Cut-Out Voltage	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)
Net Weight	23kg	26kg	26kg	28kg	28kg
Item Dimension	690 X 490 X 475 mm	690 X 490 X 560mm	690 X 490 X 530 mm	690 X 490 X 620 mm	690 X 490 X 620 mm
Model No.	NCC-75	NCC-80FF	NCC-95	NCC-100	NCC-120
Capacity	75L	80L	95L	100L	120L
Temperature Range	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C
Input Voltage	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V
Average Running Current	5.4AMP ON DC 12V	5.4AMP ON DC 12V	5.4AMP ON DC 12V	5.5AMP ON DC 12V	5.5AMP ON DC 12V
Power Consumption	65W	65W	65W	66W	66W
Compressor Specification	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V
Cut-Out Voltage	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)
Net Weight	31kg	31kg	31kg	33kg	33kg
Item Dimension	865 X 535 X 520 mm	865 X 535 X 560 mm	865 X 535 X 505 mm	865 X 535 X 630 mm	865 X 535 X 690 mm
Model No.	FF80-3960	FF80-3980	NCC-65FF	NCC-75FF	NCC-95FF
Capacity	60L	80L	65L	75L	95L
Temperature Range	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C	-18°C ~ +20°C
Input Voltage	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V
Average Running Current	5AMP ON DC 12V	5AMP ON DC 12V	5AMP ON DC 12V	5AMP ON DC 12V	5.5AMP ON DC 12V
Power Consumption	60W	60W	60W	60W	66W
Compressor Specification	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V	DC 12V/24V
Cut-Out Voltage	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)	10.5V(adjustable)
Net Weight	26kg	27kg	31kg	33kg	35kg
Item Dimension	690 X 490 X 560 mm	690 X 490 X 620 mm	825 X 490 X 540 mm	825 X 490 X 540 mm	825 X 490 X 635 mm

the appliance is not to be used 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 children being supervised not to play with the appliance suitable for camping use the appliances shall not be exposed to rain This appliance is intended to be used in household and similar applications such as

- staff kitchen areas in shops, offices and other working environments;
- farm houses and by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- catering and similar non-retail applications.

Setting the temperature (Single Zone)



- USB Outlet
- Power On/Off Button
- Mode Button
- Set Temperature Display
- Actual Temperature Display

- Battery Monitor Display
- Compressor Speed
- Battery Display
- Up Button
- Down Button

POWER

- Press & Hold POWER button for 3 seconds to turn fridge ON
- Press & Hold POWER button for 3 seconds to turn fridge OFF

TEMPERATURE SETTING

- Press MODE once and display FLASHES current temperature setting
- Press Up / Down to set temperature
- Display FLASHES for 3 seconds then returns to display ACTUAL temperature

BATTERY MONITOR

- Press MODE two times and current setting flashes
- Press Up / Down to select setting
- Display FLASHES for 3 seconds and displays new setting

COMPRESSOR SPEED

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

DIMMING

- Press and HOLD Mode and push the Up button
- Display will cycle through the five brightness levels

Setting the temperature (Dual Zone)



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

Defrost

Moisture in the air will condense on the interior of the fridge and may cause frosting. If this does occur, it will reduce the efficiency of the fridge. Never use a hand or sharp object to remove ice or frost as this may damage the cooling panel. Defrost the refrigerator when necessary. Remove any contents before defrosting. Switch off the fridge and leave the lid open when defrosting.

Cleaning

Clean the unit periodically and as soon as it is dirty.

It is recommended to clean this unit after using or before storage.

Clean the unit with a soft cloth with lukewarm water

Dry off the unit with a dry cloth after cleaning.

Never use solvents or agents with sand or acid for cleaning the cooling tank.

Never use brushes, graters or hard and sharp tools

If the refrigerating appliance is left empty for long periods, switch off, defrost clean, dry, and leave the door open to prevent mould developing within the appliance.

Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.

Clean regularly surfaces that can come in contact with food and accessible drainage systems.

Energy Saving Tips

Mount the refrigerator in a cool dry place away from direct sunlight.

Always allow food to cool before storing in the refrigerator.

Defrost your refrigerator periodically.

Do not set the temperature colder than the required temperature.

Do not leave the lid or the door open any longer than necessary.

Always ensure that the compressor and condenser are well ventilated.

Storage

Clean the refrigerator and leave the lid slightly open to prevent the formation of mold.

Trouble shootings

The refrigerator will stop working when it reaches the set temperature you set and will restart after the inside temperature increases.

The refrigerator will stop working if the compressor temperature is over 70°C, and it will restart when compressor cools down.

If the refrigerator doesn't work normally, please check the following steps,

1. turn off the refrigerator, and unplug the connection cable.