

Troubleshooting

When using this appliance, you may come across some problems that in many cases result from improper handling and can easily be eliminated.

TROUBLESHOOTING GUIDE

The appliance fails to operate after being connected to the power source.

- Check whether the power supply is active and that the thermostat is not set to the **STOP (0)** position.

The compressor is running continuously.

- The door was opened frequently or was left open too long.
- The door is not properly closed (the door may sag or the gasket may be dirty or damaged).
- The power supply has been interrupted for a long period of time.
- The appliance may have been overloaded with items above room temperature.
- There may be inadequate ventilation of the compressor and condenser. (Assure there is adequate air circulation behind the appliance and wipe the dust from the condenser.)

Noise

Cooling in refrigeration appliances is enabled by the refrigerating system with a compressor, which produces noise. How noisy the appliance is depends on where it is placed, how it is used and how old the appliance is.

- During the operation of the compressor, the noise of liquid is heard and when the compressor is not operating, the refrigerant flow is heard. This is a normal condition and has no influence whatsoever on the lifetime of the appliance.
- After starting the appliance, the operation of the compressor and the refrigerant flow may be louder. This does not mean that something is wrong. Gradually the noise is reduced.
- Sometimes a louder noise is heard, which is unusual for the appliance. This noise is often a consequence of improper placement of the unit. (The unit should be placed and leveled firmly on a solid base and it should not touch the wall or cabinets standing next to it.)

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Model ST-2RF



Owner's Manual

Technical Information

Model Number	ST-2RF
Color	Gray
Capacity	2.1 cu. ft.
Electrical Input	12/24 V DC
Energy Consumption	0.3 kw @ 24 hrs.
Refrigerant	R134a, (55 grams)
Installation	Free-standing
Ship Weight	45 lb.
Unit Dimensions (w x d x h)	18.5" x 18" x 25"

Flash number	Fault Occurring
1	Battery protection cut out
2	Fan over-current cut out
3	Motor start error
4	Minimum motor speed error
5	Thermal cut out of module

Installation Instructions

Before Using Your Appliance:

- Remove the exterior and interior packing.
- Before connecting the unit to a power source, let it stand for approximately 2 hours. This will reduce the possibility of a malfunction in the cooling system from handling during transportation.
- Remove the shelf and clean the interior surfaces of the unit with lukewarm water using a soft cloth.

Installing the Refrigerator/Freezer:

- Locate the unit away from direct sunlight and sources of heat (oven, heater, radiator, etc.). Direct sunlight may affect the acrylic coating and sources may increase electrical consumption. Extremely cold ambient temperatures may also affect the unit's performance.
- Avoid locating the unit in moist areas. Too much moisture in the air will cause frost to form quickly on the evaporator, requiring more frequent defrosting of the freezer compartment.

Cable Requirements

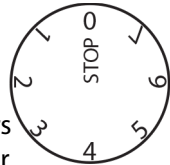
To ensure the correct start and operating conditions for the unit, the following cable dimensions must be observed:

Wire Sizing Chart (Gauge)	Max . length between battery and compressor module (ft.)	
	12V/DC	24V/DC
# 12	15 ft	30 ft
# 10	25 ft	50 ft
# 8	40 ft	80 ft
# 6	60 ft	120 ft

Operating Your Refrigerator/Freezer

Temperature Control

- The temperature in the refrigerator compartment is controlled with a thermostat knob located inside the unit. Turn the knob clockwise from the **STOP (0)** position toward the higher numbers for colder temperatures. Higher settings on the knob mean lower temperatures in the refrigerator/freezer.



- In all refrigerators and freezers without interior fans, temperatures are coldest near the bottom, and occasionally near the rear. Place contents accordingly. It is best not to operate these units mostly empty. If temperatures are erratic, try putting some water bottles or freezer packs inside to create a load for the compressor.

Defrosting Your Appliance:

This appliance is a manual defrost unit. When defrosting, remove contents from entire unit, taking care that frozen items do not begin to thaw. Set the thermostat to **STOP (0)**. After allowing to thaw for 20 minutes, remove any remaining ice chunks, and turn the unit back on while you repack your frozen food back in.

CAUTION: Do not use boiling water or an electric device such as a hair dryer to help speed up the defrosting process because this could damage the plastic parts of the unit. In addition, *never use a sharp or metallic instrument to remove frost* as it may damage the interior.

Energy Saving Tips:

- The unit should be located in the coolest area of the room, away from heat.
- Try to keep the door closed as much as possible.
- Before loading items into the unit, be sure they have cooled to ambient temperatures.