



IDS PortaFreeze Refrigerator/Freezers



Owners Guide

For Cub, Scout, Explorer and Eagle Models

IDS 5311 Derry Ave Building D
Agoura Hills CA 91301 Phone (818) 597-4300
Fax (818) 597-4301 Web: www.freezerlink.com



The *PortaFreeze Cub* (16 Quart) is a compact but powerful AC/DC freezer capable of freezing almost anything. It is ideal for making ice or ice packs, quick freezing provisions and keeping them at temperatures from 40 down to 0F.

Cub shown at left.

Specifications *PortaFreeze Cub*

Power Consumption:	0.9 - 3.1 Amps
Volume:	16 Qt.
Equivalent:	Fits 24 Cans (12 Fluid Ounces)
Weight:	35 Lbs.
Inside Dims:	11.5" X 8" X 10"
Outside Dims:	21.2" X 12" X 13.7"
Freezing Ability:	From 40°F to 0°F
Temp. Control:	Variable
Available Colors:	Gray
Shoulder Strap:	No
Refrigerant Gas:	134A
Input Rating:	DC 12/24V - 3.1A/1.5A; AC 110V
Power Lead:	9' Detachable
Fuse:	10A Fuse
Max Noise:	43 Db
Shipping Dims:	24" X 15" X 16"
Shipping Weight:	42 Lbs.
Warranty:	2 Years

Order Cub

- 2000612** *PortaFreeze Cub* 16 quart AC/DC fridge-freezer
- 2000617** Transit Bag for Cub
- 2000622** Transit Slide Locks for Cub

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The PortaFreeze Scout (34 Quart) is a powerful AC/DC freezer - plug it in to a cigarette lighter, at home, under a counter, or use at camp or in an RV.

The Scout has a rugged exterior and a roomy, 34 quart interior and is capable of freezing almost anything, ideal for making ice or quick freezing provisions.

Ordering information is at bottom of page.

Specifications Scout

Model Number:	PortaFreeze Scout
Power consumption:	0.7 - 2.5 Amps
Volume:	34 qt.
Equivalent:	54 cans (12 Fl. oz)
Weight:	46.3 lbs.
Inside Dims:	15.4" x 10.8" x 12.4"
Outside Dims:	25.5" x 14.3" x 16"
Freezing Ability:	From 40°F to 0°F
Temp. control:	Variable
Available colors:	Gray
Carry handles:	Yes
Refrigerant Gas:	134A
Input rating:	DC12V - 2.7A
Power Leads:	9' detachable
Fuse:	10A external fuse
Max Noise:	38 dB
Shipping Dims:	29" x 17" x 19"
Shipping Weight:	59 lbs.
Warranty:	2 years

Order Scout

- 2000614** PortaFreeze Scout 35 quart AC/DC
- 2000619** Transit Bag For Scout
- 2000624** Transit Slide Locks For Scout

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The PortaFreeze Explorer (64 quart) is a powerful freezer capable of freezing larger quantities (interior capacity is a full 64 quarts) of provisions or lab materials. The Explorer is ideal for long term freezing applications and can easily be trucked or added to a larger mobile unit for easy access to more common items.

Ordering information is at bottom of page.

Specifications Explorer

Model Number:	PortaFreeze Explorer
Power consumption:	0.7 - 3.6 Amps
Volume:	64 quarts.
Equivalent:	107 cans (12 Fl. Oz.)
Weight:	68.3 lbs.
Inside Dims:	20.1" x 14.9" x 12.4"
Outside Dims:	31.1" x 19.3" x 17.4"
Freezing Ability:	From 40°F to 0°F
Temp. control:	Variable
Available colors:	Gray
Side Handles:	Yes
Refrigerant Gas:	134A
Input rating:	DC12V - 4.2A
Power Leads:	DC - 5' detachable "pig tail"
Fuse:	10A external fuse
Max Noise:	42 dB
Shipping Dims:	36" x 24" x 20"
Shipping Weight:	82 lbs - plus pallet
Warranty:	2 years

Order Explorer

- 2000616** PortaFreeze Explorer 64 quart
- 2000621** Transit Bag For Explorer 64 quart

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The PortaFreeze Explorer Split contains a Freezer box that is separated from the Refrigeration compartment to offer dual use. This is a large and powerful dual voltage combination fridge and freezer, with two separate compartments - one freezer and one refrigerator.

The fridge compartment is fixed at 40°F and the freezer compartment features variable temperature regulation from 40° down to below 0°F.

Ordering information is at bottom of page.

Specifications Explorer Split

Model Number:	PortaFreeze Explorer Split
Power consumption:	0.7 - 3.6 Amps
Volume - refrigerator:	34 quarts
Volume - freezer:	26.5 quarts
Outside Dims:	31.1" x 19.3" x 17.4"
Inside DIMS – Fridge:	
Inside DIMS – Freezer:	15.3 x 9.8 x 12.4
Freezing Ability:	From 40°F to 0°F
Temp. control:	Variable
Available colors	Silver
Refrigerant Gas:	134A
Input rating:	DC 12/24V - 4.2A, AC 110V
Power Leads:	DC - 5' detachable pig tail, AC - 5' detachable
Fuse:	15A external DC fuse
Max Noise:	42 dB
Shipping Dims:	36" x 24" x 20"
Shipping Weight:	90 lbs - plus pallet
Warranty:	2 years

Order Explorer Split

- 2000616** PortaFreeze Explorer Split 64 quart
- 2000621** Transit Bag For Explorer 64 quart

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The Eagle 80 is our largest dual voltage freezer, capable of freezing almost anything. It is ideal for long term storage, particularly in remote areas.

If used as a refrigerator, it can hold a steady interior temperature. It is a great product where size and volume matters. It features a built in digital thermometer that registers in degrees Celsius.

Ordering information is at bottom of page.

Specifications Eagle 80

Model Number:	Eagle 80
Power consumption:	0.7 - 3.3 Amps
Volume:	84 qt.
Equivalent:	118 cans (12 Fl.oz)
Inside Dims:	20.1" x 14.9" x 16.7"
Outside Dims:	31.1" x 19.3" x 21.7"
Freezing Ability:	From 40°F to 0°F
Temp. control:	Variable
Available colors:	Silver
Side Handles:	Yes
Refrigerant Gas:	134A
Input rating:	DC12/24V - 4.2A, AC110V
Power Leads:	DC - 5' detachable "pig tail"
Fuse:	10A external fuse
Max Noise:	42 dB
Shipping Dims:	36" x 24" x 26"
Shipping Weight:	97 lbs - plus pallet, Ships by road freight
Warranty:	2 years

Order Eagle 80

2011617	PortaFreeze Eagle 80 (80 quarts)
2011618	Transit Bag for Eagle 80 80 quart

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Transit Bags

These bags not only protect your freezer with a cushion layer, but they also offer added insulation for extreme conditions. The outer layer is made of a high quality gray canvas with an accessory pocket and ventilation holes. The bag covers the entire unit and makes access to your freezer easy - simply unzip the bag on top. The bags work with the corresponding Transit Slide-Loks. In addition, the bags have a reflective layer on the inner side, offering heat protection from direct sunlight and long wave radiation.

Slide Locks

These are highly recommended from a safety point of view. They help prevent your PortaFreeze freezer from shifting about in a vehicle or boat. Simply slide your PortaFreeze into position and it locks down automatically. To remove just push the clip to release. Its that easy! The slide-loks work with corresponding Transit Bags.

Order Accessories

- 2000617** Transit Bag for Cub
- 2000622** Transit Slide Locks for Cub
- 2000619** Transit Bag for Scout
- 2000624** Transit Slide Locks for Scout
- 2000621** Transit Bag for Explorer
- 2000621** Transit Bag for Explorer Split
- 2011618** Transit Bag for Eagle 80

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IMPORTANT

This appliance has been designed for refrigerating purposes and is operable on both AC and DC power supplies.



DC12/24V AC120V

The Model and Serial Number may be found on the compressor cover near the portable handle.

Before using your new unit, record and retain the model number and the Serial Number for future reference and warranty issues.

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FAQ's

Can my PortaFreeze be used as a refrigerator or a freezer?

Yes. You can control the temperature via the built in thermostat.

How much heat do they produce?

Very little. PortaFreeze compressors are very efficient and actual heat given off is less than half a typical light bulb.

How long does shipping take to reach me?

Just specify the method of shipping. Larger units (Explorer and Eagle) only ship by truck. We ship UPS Ground for most orders (less than 8) within the US. Shipping times can be obtained by contacting us directly, but typically no more than a week.

I have an AC/DC model - can I plug both power cords in at the same time?

Yes. If both cords are plugged in and AC power is available, the unit will cut off the DC power source. If the AC is disconnected, then the DC power will resume.

Will my PortaFreeze make ice, or freeze ice cream?

Yes, PortaFreeze models will make ice, or freeze ice cream. You need to freeze to 10°F, or colder.

How long will my PortaFreeze take to freeze ice?

PortaFreeze will take about the same time as your home freezer - 2-3 hours.

How long will my PortaFreeze keep food frozen after I switch it off?

The answer depends on many variables - outside temperature, weight and type of frozen food, sunlight, starting temperature etc. PortaFreeze's ability to keep food frozen, and its insulation properties, are similar to a very good quality cooler box.

Can I 'build in' my PortaFreeze freezer?

We do not recommend this practice, as the area around the compressor needs to be ventilated. Leave 2 inches all around the unit - especially near the compressor vents.

How long does it take to cool down?

Only a few minutes. Most units will reach refrigerator temperature within about 1/2 hour. Maximum freezing temperature takes 1-2 hours longer.

My PortaFreeze is a DC only model - can I run it off household AC power?

You should purchase a power supply of at least 5 Amp rating. We recommend only the Coleman Model # 5232E640T power supply. Order from Coleman Customer Service: 1-800-835-3278. Plug your PortaFreeze power cord directly into this unit, while it is plugged into 110V AC power.

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General Information

Your new portable refrigerator/freezer should always be placed on a level surface. The compressor is shock mounted for in-transit operation.

Be sure your unit is not in direct sunlight, near a gas stove, heater or heating vent, or any other heat source or heat generating appliances.

Always provide adequate ventilation for this unit by keeping it at least 6 inches away from solid walls. This will result in both maximum cooling efficiency and minimum electric current consumption.

Avoid placing this unit in an area that might be splashed or sprayed with water or other fluids that might enter the electrical compartment.

Always thoroughly clean the interior before and after each use. Use a damp cleaning cloth and dry thoroughly.

CAUTION:

Never store gasoline or any flammable liquid or vapor producing material in or near this unit. It may cause an explosion.

Do NOT TOUCH the evaporator or any of the metal parts on the interior of the unit with a wet hand. It may cause frostbite.

DO NOT REMOVE OR MODIFY any of the unit's electrical components.

Installing the Handles:

Lifting handles are furnished with all models. They are packed inside the unit and should be installed using the screws and tapped holes provided.



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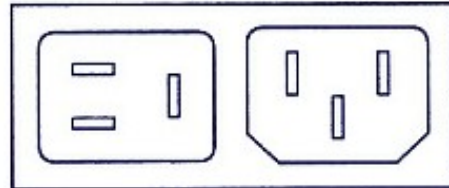


Connecting to a Power Source

120 Volt Operation

The PortaFreeze does not need a great deal of power, but it must be set up in the following manner:

- Set the thermostat control knob to OFF.
- Insert the square plug of the AC cord in the connector on the unit.
- Insert the standard 120 volt AC plug into the wall socket.



DC12/24V AC120V

12/24 Volt Operation

The PortaFreeze can be operated from a standard DC connection in your vehicle by taking the following steps:

- Make sure the socket works. Test with a cigarette lighter.
- Make sure the battery source is 12 or 24 volts.
- Set the control knob to OFF.
- Insert the square plug of the DC cord in the connector on the unit.
- Insert the standard 12/24 volt DC plug into the cigarette lighter.
- NOTE: For the EXPLORER unit (Large, 64 qt.) the unit does not have a cigarette lighter adapter. The "Pigtail" will need to be connected directly to the power source.

Note: When not using the PortaFreeze Unit, REMOVE THE PLUG FROM THE SOCKET TO PREVENT BATTERY DISCHARGE.

Important Points to Remember

- **Never use less than AWG #14 between unit and power source.**
- **Install a 14 amp blade fuse (cub and scout) in the power supply.**
- **Install a 15 amp glass tube fuse (explorer) in the power supply.**
- **Be sure the power supply polarity is correct!**

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Operation

To start the unit, after setting up as described, simply turn the control knob to **ON**.

The **DC power cord** is made for a negative ground system. The unit has a high current protection system built into the electronic circuit to prevent damage to the inverter should the connection be reversed.

Dial Settings

Temperature can be controlled by using the knob on the unit. The interior temperature drops as the knob position is changed from the lowest setting **(1)** for refrigeration, to the coldest setting **(5)** the freezer setting. The temperature can thus be regulated freely, as you choose.

The temperature can fluctuate during use, depending on frequency of opening, constancy of current, amount of product in the unit and environmental issues.

To shut the unit off, set the control knob to **OFF**.

Storing Food in the Refrigerator

To prevent the drying out and transfer of food odors, always store food in covered dishes, plastic bags or wraps.

Frozen foods can be stored in the freezing compartment for several days with the thermostat set to 5. Do not attempt to re-freeze thawed food.

Defrosting

Set the control knob to the OFF position. When all of the frost is melted, wipe the interior down with a soft, dry cloth.

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Maintenance

- Battery Maintenance is important. If the battery is not charged properly, a decline in the performance of the unit is going to occur.
- NEVER USE A BATTERY CHARGER, AC/DC CONVERTER OR RECTIFIER INSTEAD OF A BATTERY. These will create surges that can be damaging.
- NEVER USE A COMMERCIAL INVERTER OR CONVERTER. These devices do not hold the required constant frequency for operation.
- Clean unit interior with a soft cloth. To remove dirt, use a moist cloth with a neutral detergent solution. NEVER USE HOT WATER. Dry with a soft, dry cloth.
- Gasket should be cleaned with a neutral detergent solution, but not too moist a cloth. Avoid water in the gasket, which may impair the seal.

CAUTION: Never use a brush, powder soap, cleanser, acid, benzene, gasoline or thinner to clean the unit. These will leave scratches.

Radio Noise Interference

- You can easily reduce interference from the unit in DC mode by twisting the power supply wires together and attaching them directly to the battery.
- Add a fuse (10A for the Cub and Scout, 15A for the Explorer) near the POSITIVE battery connection. AVOID SPLICING OTHER DEVICES ONTO THIS CIRCUIT, AS INTERFERENCE MAY OCCUR.

Quick-Charging the Battery

- When quick charging the battery, (5 AMP or more charging rate) it is important to TURN OFF THE PORTAFREEZE UNIT.

Using a Portable Generator

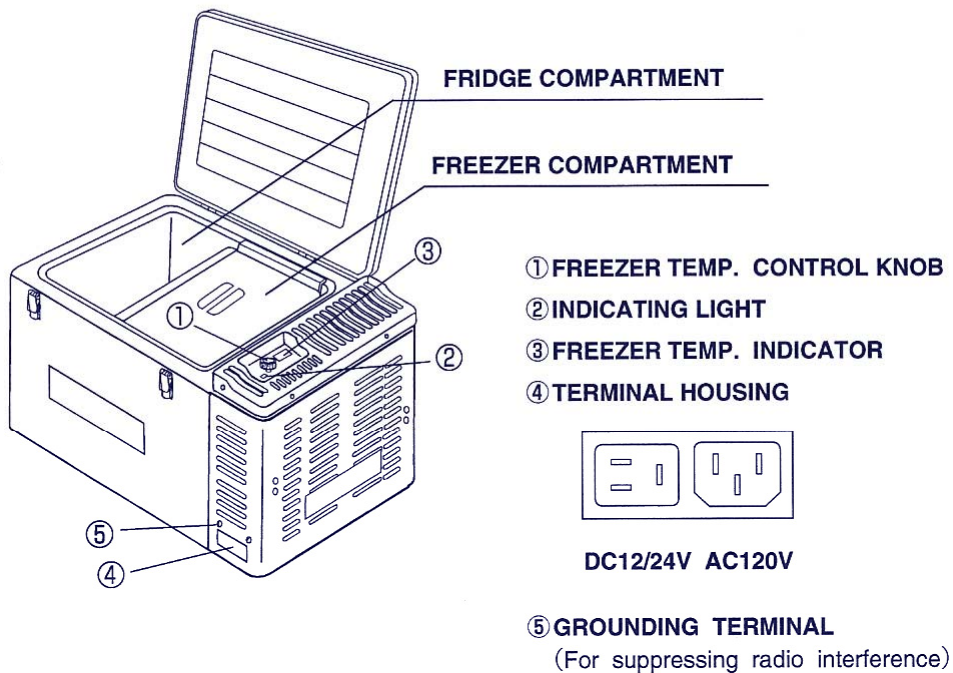
- CAUTION. The internal power supply of your PortaFreeze Unit may be damaged if powered by a portable generator.

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Explorer Split only – Dual Controls

DESIGNATION OF PARTS



Note

This digital temperature reading is not an accurate indication of cabinet air temperature and should be used as a guide only.

Display	Explanation
--.-°C	Fault in wiring. Temperature unit requires replacement – seek assistance
--.-°C	-30°C MAX. or 70°C MIN.

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Troubleshooting

If your unit does not operate and the power does not go on:

- Make sure of the correct polarity.
- Check the fuse.
- Check power source voltage.
- Incorrect use of an extension cord (not recommended).
- 10A fuse in the DC power cord.

Before you call for service:

1. Check the unit and make sure it is plugged into a good 12V system. If it is, please plug it into a standard 120V outlet.
2. Give the unit overnight - empty - then check the temperature again. Try checking the wires with an amp meter under load. If it is only 10-11 volts, it might have enough power to run but not enough work efficiently.
3. Check the fuse at the end of the plug that goes into the cigarette lighter socket. If you do not have the instruments or if you can't check it, replace it with a simple 10 amp fuse – readily available from Radio Shack – of the same length or diameter. If you can not get a 10 amp fuse, try an 8 amp.

Please keep in mind that the unit will fluctuate 2-3 degrees in temperature.

Do NOT send the unit back. If the unit is still not functioning properly, contact us:

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Warranty for IDS PortaFreeze Freezers

All portable freezers are warranted to the purchaser 2 years from date of purchase, to be **free of defects in material and in any workmanship.**

Manufacturer disclaims any liability for consequential damages. Under no circumstance will Manufacturer be responsible for any amount of damages **beyond the amount paid** for the product at retail.

Manufacturer **will not be held liable for the contents** of any portable freezer should it fail to operate as advertised. In the event of a defective item, **please contact us directly.** You will then need to ship the item, prepaid to our warehouse. No return will be accepted without a **Return Material Authorization (RMA)** number, issued by us.

The following must be included with the return shipment:

1. Name
2. Shipping Address
3. Contact phone number (daytime)
4. Nature of problem/complaint.

Manufacturer will, at its option, replace or repair the defective part.

The following situations are not covered under this warranty:

- Cost of shipping to Manufacturer or Service Center.
- Normal wear and tear, including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight, lightening strikes, power surges and water damage.
- Damage caused by misuse, abuse, neglect, alterations, repairs by unauthorized persons, or failure to follow recommended care and use instructions.
- Power cords.
- Fuses and bulbs.