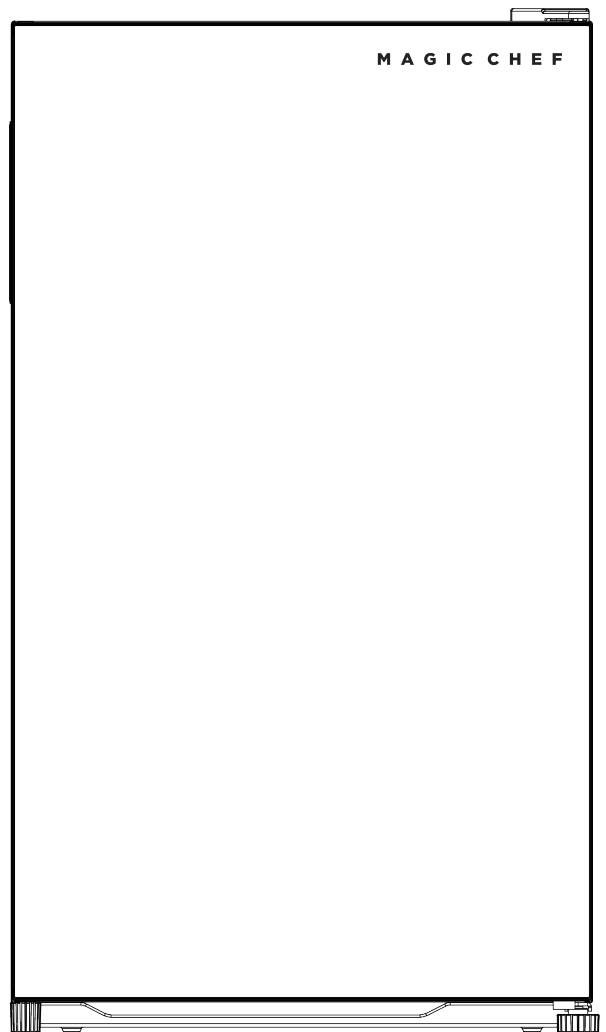


M A G I C C H E F

12V DC Refrigerator

User's Manual



Model MCDCR34G

**PLEASE READ THIS MANUAL CAREFULLY BEFORE USING YOUR REFRIGERATOR
AND KEEP IT FOR FUTURE REFERENCE.**

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Usage note

Do not remove the back panel during installation.

1. In order for normal use, the connection must be reliable. Besides the power source proper connection, the wire of the unit and outer wire must meet the following requirement:

Wire size	The max length (Feet)
14 AWG	3.2 Feet
13 AWG	8 Feet
12 AWG	13 Feet
10 AWG	20 Feet
8 AWG	33 Feet
6 AWG	50 Feet
Remarks:	14 AWG wire is not recommended. 13 AWG wire or Larger is recommended.
	This DC unit is not equipped with a power source. Please purchase a power source from an authorized dealer.

2. When using an adaptor or converter AC to DC, No DC power supply is recommended. The operation of the DC refrigerator is also dependent on a good, clean ground connections.
3. It is recommended that only authorized or qualified professionals perform repair services on unit.

Wire connection diagram

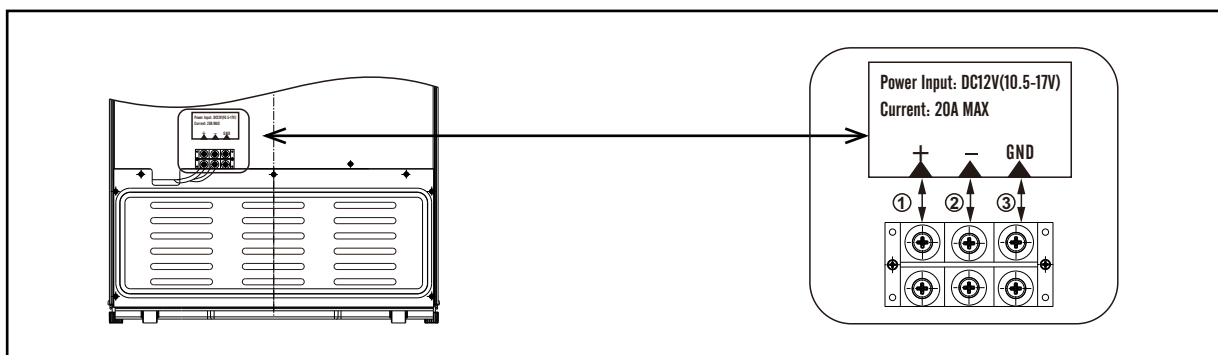


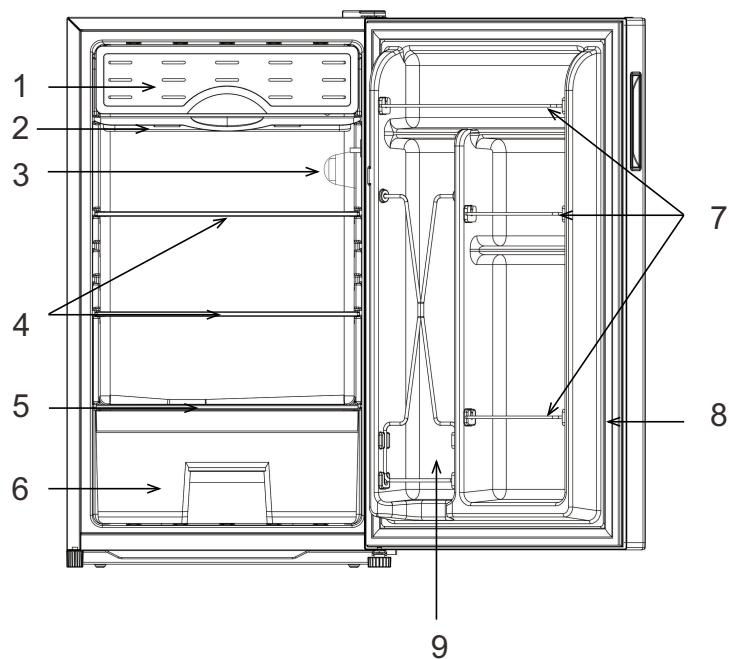
Fig. 1

1. Connect 1 terminal with Positive pole of 12V DC (Fig. 1).
2. Connect 2 terminal with Negative pole of 12V DC (Fig. 1).
3. If the unit is installed in an RV, the 3 GND terminal should be connected to a metal portion of the RV (Fig. 1).

NAMES OF THE PARTS

MODEL NO. MCDCCR34G

- (1) Chiller Compartment
- (2) Drip Tray
- (3) Thermostat
- (4) Glass Shelves
- (5) Crisper Cover
- (6) Crisper
- (7) Bottle Storage
- (8) Refrigerator Door Seal
- (9) Can Storage



Remark: Image can be reversable depending on door side.

⚡WARNING⚡: Never touch the interior of the Freezer Chamber or frozen foods in the compartment with wet hands as this could result in frost bite.

SPECIFICATIONS

Model # MCDCCR34G

Product Description	12V DC Refrigerator		
Model No.	MCDCCR34G		
Unit Dimensions (inches)	Width	Height	Depth
	18.9"	32.9"	19.6"
Net Weight (lbs)	53.3(lbs)		

IMPORTANT SAFETY INSTRUCTIONS



To reduce the risk of fire, electrical shock, or injury follow these basic precautions when using your refrigerator.

- 1) **WARNING**----Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- 2) **WARNING**----Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- 3) **WARNING**----Do not damage the refrigerant circuit to increase the risk of a leak when handle, move, clean and use of product.
- 4) **WARNING**----Do not use electrical appliances inside the food storage compartments of the appliances, unless they are of the type recommended by the manufacturer.
- 5) **WARNING**----DANGER: Never allow children to play with, operate, or crawl inside the product. Risk of child entrapment. Before you throw away your old product:
 - Take off the doors
 - Leave the shelves in place so that children may not easily climb inside.
- 6) The appliance has to be unplugged before carrying out user maintenance on the appliance.
- 7) 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. Cleaning and maintenance should not be made by children without supervision.
- 8) If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, its service agent or similar qualified persons in order to avoid a hazard.
- 9) Please abandon the product according to local regulations as the unit contains flammable blowing gas and refrigerant.
- 10) Follow local regulations regarding disposal of the appliance due to flammable refrigerant and blowing gas. All refrigeration products contain refrigerants, which under the guidelines of federal law must be removed before disposal. It is the consumer's responsibility to comply with federal and local regulations when disposing of this product.
- 11) This appliance is intended to be used in household and similar environments; such as:
 - staffkitchen 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.
- 12) Do not store or use gasoline or any inflammable liquors and liquids inside or in the vicinity of product.
- 13) Do not use extension cords or ungrounded (two prong) adapters with this appliance. If the power cord is too short, have a qualified electrician install an outlet near the appliance. Use of an extension can negatively affect the performance of this appliance.

Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

Warning: This appliance can not be used in public transportations.

Warning: The appliance shall be used for indoor only.

- The refrigerant and insulation blowing gas are flammable. When disposing of the appliance, do so only at an authorized waste disposal centre. Do not expose to flame.
- Cleaning and user maintenance shall not be made by children without supervision.

Refrigerant

The refrigerant isobutene (R600a) is contained within the refrigerant circuit of the appliance, a natural gas with a high level of environmental compatibility, which is nevertheless flammable. During transportation and installation of the appliance, ensure that none of the components of the refrigerant circuit becomes damaged.



Warning; Risk of fire/flammable materials

If the refrigerant circuits become damaged:

- Avoid open flames and sources of ignition.
- Thoroughly ventilate the room in which the appliance is situated.

BEFORE PUTTING INTO USE

- Before connecting the appliance to the power supply, let it stand for about 2 hours, which will reduce a possibility of malfunctions in the cooling system due to transport handling.
- Clean the appliance, and be thorough, especially in the interior.
- In case the interior accessories are not correctly placed, rearrange them as described in chapter "NAME OF THE PARTS".



Instructions for use

These instructions for use are intended for the user. They describe the appliance and its correct and safe use. They were prepared for various types/models of fridges therefore you may find in it description of some functions and accessories that your appliance does not have.

TIPS FOR ENERGY SAVING

- Try not to open the door too often, especially when the weather is wet and hot. Once you open the door, mind to close it as soon as possible.
- Every now and then check if the appliance is sufficiently ventilated (adequate air circulation around the appliance).
- Set thermostat from higher to lower settings as soon as possible (depends on how loaded the appliance is ambient temperature etc).
- Before loading the appliance with packages of fresh foods, make sure they are cooled to ambient temperature.

IMPORTANT SAFETY INSTRUCTIONS

 WARNING 	To reduce the risk of fire, electrical shock, or injury when using your refrigerator, follow these basic precautions:
<ul style="list-style-type: none">• Read all instructions before using the refrigerator.• DANGER or WARNING: Risk of child entrapment.• To avoid the possibility of child entrapment, please take the following precautions before throwing out the refrigerator.<ul style="list-style-type: none">- Remove all doors from the unit.- Leave the shelves in place so that children may not easily climb inside.• Never allow children to operate, play with, or crawl inside the refrigerator.• Refrigerants: All refrigeration products contain refrigerants, which under the guidelines of federal law must be removed before disposal of product. It is the consumer's responsibility to comply with federal and local regulations when disposing of this product.• Never clean refrigerator parts with flammable fluids. The fumes can create a fire hazard or explosion.• Do not store or use gasoline or any other flammable vapors and liquids in the vicinity of this or any other refrigerator. The fumes can create a fire hazard or an explosion. <p>-Save these instructions-</p>	

INSTALLATION INSTRUCTIONS

Before Using Your Refrigerator

- Remove the exterior and interior packing.
- Before connecting the refrigerator to the power source, let it stand upright for approximately 4 hours. This will reduce the possibility of a malfunction in the cooling system from improper handling during transportation.
- Clean the interior surface with lukewarm water using a soft cloth. (Cleaning instruction on page10)

Installing Your Refrigerator

- This appliance is designed to be installed built-in .
- Allow 1 inches of space between the back and sides of the refrigerator, which allows the proper air ventilation. Adjust the feet to keep the refrigerator level.
- Locate the refrigerator away from direct sunlight and sources of heat (stove, heater, radiator, etc.). Direct sunlight may affect the acrylic coating and heat sources may increase electrical consumption. Ambient temperature below 50° F(10° C) or above 85° F(29.4° C) will hinder the performance of this appliance.
- Avoid locating the refrigerator in moist areas.
- Plug the refrigerator into dedicated, properly installed-grounded wall outlet. Do not under any circumstances cut or remove the third (ground) prong from the power cord. Any questions concerning power and/or grounding should be directed toward a certified electrician or an authorized service center.
- After plugging the appliance into a wall outlet, turn the unit on and allow the unit to cool down for 2~3 hours under before placing food in the refrigerator or freezer compartment.

Electrical Connection

⚡WARNING⚡

Improper use of the grounded plug can result in the risk of electrical shock. If the power cord is damaged, have it replaced by an authorized service center.

This refrigerator should be properly grounded for your safety.

A 12 volt DC, 15-20-amp fused, grounded electrical supply is required. This provides the best performance and also prevents overloading RV wiring circuits which could cause a fire hazard from overheated wires.

Do not connect the refrigerator to AC voltage circuits, or to AC outlet of inverter. The refrigerator should always be connected to its own individual electrical branch leading directly to the main DC voltage source or distribution panel.

Immediately discontinue use if the main power supply line has been damaged. If the supply line is damaged, it must be repaired by a qualified service professional.

The cord should be secured behind the refrigerator and not left exposed or dangling to prevent accidental injury.

Never unplug the refrigerator by pulling the power cord. Always grip the plug firmly and pull straight out from the receptacle.

Do not use an extension cord with this appliance. If the power cord is too short, have a qualified electrician or service technician install an outlet near the appliance. Use of an extension cord can negatively affect the performance of the unit.

If any problems with the appliance persist, please contact our Customer Service Dept. to consult with a representative at **888 775-0202** or visit our website to request warranty service at **www.mcappliance.com**.

Do not attempt to repair or replace any part of your refrigerator unless it is specifically recommended in this manual. All other servicing should be referred to a qualified technician, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

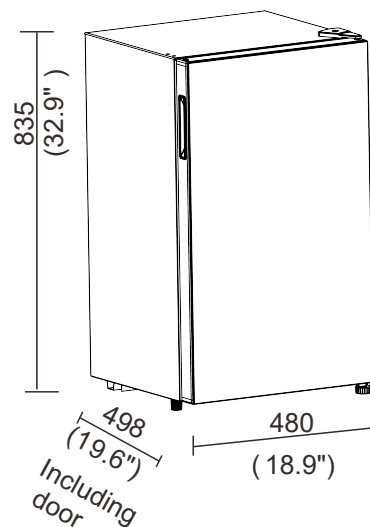
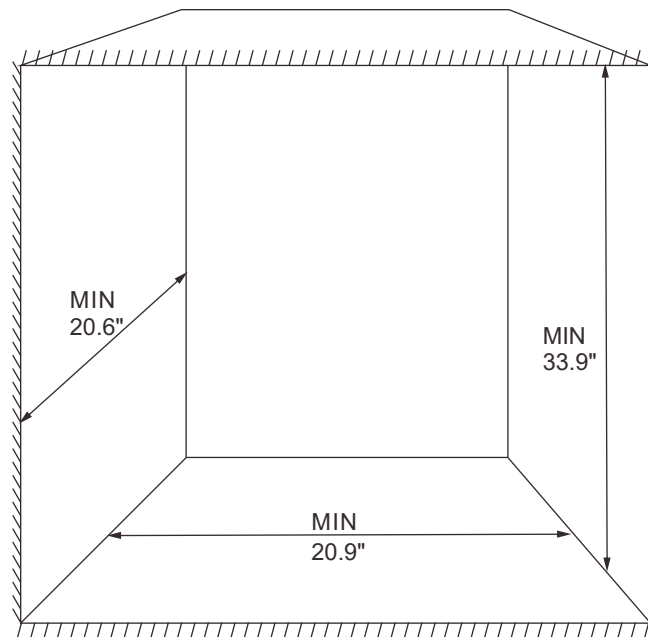
Installation

Install the refrigerator in a convenient location away from extreme heat and cold. Allow sufficient clearance between the refrigerator and side wall so the door(s) will open without obstruction.

Select a space with strong level floor.

Allow 1 inches of space between the refrigerator's side and the wall.

The appliance must be correctly connected to the power supply.

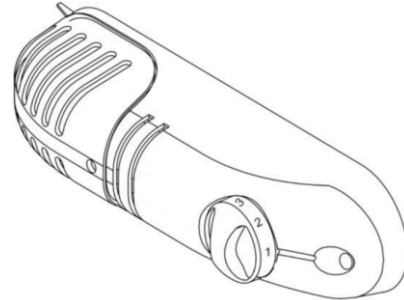


- Note: The door should protrude at least 1" beyond the surrounding cabinets.

OPERATING YOUR REFRIGERATOR

Temperature Control

- Your refrigerator has one control for regulating the temperature. The temperature control is located on the upper right hand corner of the interior compartment.
- The first time you turn the unit on, adjust the temperature control knob to "7" and run for at least 2 hours before putting foods inside. This will ensure the cabinet is thoroughly chilled before food is put in.
- The range of the refrigerator temperature control is from position "1" the cold to "7" the coldest. Adjust the temperature control to the setting that best suits your needs. The setting of "4" should be appropriate for home or office refrigerator use.
- Turning the temperature control knob to "0" position stops the cooling cycle but does not shut off the power to the unit.



- **NOTE:**

- If the unit is unplugged, loses power; you must wait 3 to 5 minutes before restarting the unit. If you attempt to restart before this time delay, the refrigerator will not start.
- Large amounts of food will lower the cooling efficiency of the appliance.
- Do not place the foods on the air outlet, and leave spaces for airflow.
- If you choose to change the thermostat setting, adjust thermostat control by one increment at a time. Allow several hours for temperature to stabilize between adjustments.

The Chiller Compartment

- This compartment is designed for the ice making and short-term storage of some commercially frozen foods.
- The temperature of the chiller compartment may not reach temperature low enough to store frozen foods safely and works well when the food is already frozen prior to storage.
- Place frozen food into the freezer as quickly as possible after purchase. If there are instructions on the packet, carefully follow these instructions regarding storage times.

How To Defrost

Defrost the freezer compartment when the ice / frost is approximately ¼" thick. Set the thermostat dial to "0" to defrost. Remove all contents from the freezer compartment. Leave the freezer door open to allow accumulated ice / frost to melt. Remove large pieces of ice as needed. Do not use hot water or other electric heating devices to melt the accumulated ice. After defrosting, remove accumulated ice / water and wipe the freezer compartment dry with a soft cloth. Restart the unit per starting instructions.

LED lights and light switches

NOTE:When the refrigerator door is closed, the refrigerator door presses the light switch, so that the light switch is off, and the LED lamp is not bright; When the refrigerator door is open, release the light switch and the LED lighting is on.

Note: When the LED light is dimmed or not bright, it will not affect the normal use of the refrigerator function ; If you need to repair, please contact our after-sales service department or local authorized maintenance department in time.

CARE AND MAINTENANCE

Cleaning Your Refrigerator

- Upon installation of your new appliance, it is recommended that it be cleaned thoroughly.
- Turn the temperature control knob to “0” and then unplug the unit from the wall outlet.
- Remove all food content.
- Wash the inside with a damp warm cloth soaked in lukewarm water and baking soda solution. The solution should be about 2 tablespoons of baking soda to a quart of water.
- Be sure to keep the door gasket (seal) clean to keep the unit running efficiently.
- The outside of the refrigerator should be cleaned with mild detergent and warm water.
- Dry the interior and exterior with a soft cloth.

Vacation Time

- Turn the temperature control knob to “0” and then unplug the unit from the wall outlet.
- Remove all the food.
- Clean the refrigerator.
- Leave the door open slightly to avoid possible formation of condensation, mold, or odor.
- Use extreme caution in the case of children. The unit should not be accessible to child’s play.
- **Short vacations:** Leave the refrigerator operating during vacations of less than three weeks.
- **Long vacations:** If the appliance will not be used for several months, remove all food and unplug the power cord. Clean and dry the interior thoroughly. To prevent odor and mold growth, leave the door open slightly: blocking it open if necessary or have the door removed.

Moving Your Refrigerator

- Turn the temperature control knob to “0” and then unplug the unit from the wall outlet.
- Remove all the food.
- Securely tape down all loose items inside your refrigerator.
- Tape the doors shut.
- Be sure the refrigerator stays in the upright position during transportation.

Energy Saving Tips

- The refrigerator should be located in the coolest area of the room, away from heat producing appliances or heating ducts, and out of the direct sunlight.
- Let hot foods cool to room temperature before placing in the refrigerator. Overloading the refrigerator forces the compressor to run longer. Foods that freeze too slowly may lose quality, or spoil.
- Be sure to wrap foods properly, and wipe containers dry before placing them in the refrigerator. This cuts down on frost build-up inside the refrigerator.
- Organize and label food to reduce door openings and extended searches. Remove as many items as needed at one time, and close the door as soon as possible.

TROUBLESHOOTING GUIDE

You can solve many common refrigerator problems easily, saving you the cost of a possible service call. Try the suggestions below to see if you can solve the problem before calling for service.

PROBLEM	POSSIBLE CAUSE
Refrigerator does not operate.	Not plugged in. The circuit breaker tripped or a blown fuse.
Compressor turns on and off frequently.	The room temperature is hotter than normal. A large amount of food has been added to the refrigerator. The door is opened too often. The door is not closed completely. The temperature control is not set correctly. The door gasket does not seal properly. The refrigerator does not have the correct clearances. The refrigerator has recently been disconnected for a period of time. 4 hours are required for the refrigerator to cool down completely.
Temperature inside the refrigerator is too warm.	Temperature control is set too warm. Turn the control to a cooler setting and allow several hours for the temperature to stabilize. Door is kept open too long or is opened too frequently. Warm air enters the refrigerator every time the door is opened. Open the door less often. The door is not closed completely. The door gasket does not seal properly. A large amount of warm or hot food might have been stored recently. Wait until the refrigerator has had a chance to reach its selected temperature. The refrigerator has recently been disconnected for a period of time. 4 hours are required for the refrigerator to cool down completely.
Temperature inside the refrigerator is too cold.	Temperature control is set too cold. Turn the control to a warmer setting and allow several hours for the temperature to stabilize.
Temperature of external refrigerator surface is warm.	The exterior refrigerator walls can be as much as 30°F warmer than room temperature. This is normal while the compressor works to transfer heat from inside the refrigerator cabinet.
Popping or cracking sound when compressor comes on.	Metal parts undergo expansion and contraction, as in hot water pipes. This is normal. Sound will level off or disappear as refrigerator continues to run.
Bubbling or gurgling sound, like water boiling.	Refrigerant (used to cool refrigerator) is circulating throughout the system. This is normal.
Vibrations.	Check to assure that the refrigerator is on a level surface. Floor is uneven or weak. Refrigerator rocks on the floor when it is moved slightly. Be sure floor can adequately support refrigerator. Level the refrigerator by putting wood or metal shims under

	<p>part of the refrigerator.</p> <p>The refrigerator is touching the wall. Re-level the refrigerator and move it from the wall.</p> <p>See "Installation Instructions".</p>
Moisture forms on inside refrigerator walls.	<p>Weather is hot and humid, which increases internal rate of frost build-up. This is normal.</p> <p>Door is slightly open.</p> <p>Door is kept open too long, or is opened too frequently. Open the door less often.</p> <p>The door is not sealed properly.</p>
Moisture forms on outside of refrigerator.	<p>Door is slightly open, causing cold air from inside the refrigerator to meet warm moist air from outside.</p>
The door will not close properly.	<p>The refrigerator is not on a level surface.</p> <p>The gasket is dirty.</p>