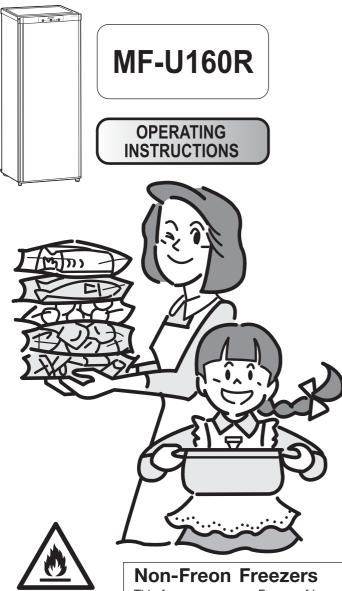


## FREEZER

## SERIES MODEL





## **Contents**

## Before using your freezer From installation to operation 2 Using Compartment name and use 3 Smart tips for using your freezer 3 Adjusting the temperature 4 Maintenance and troubleshooting Maintenance 5 What to do (during blackouts, long periods of non use, and transport) 5Safety precautions 6 Troubleshooting 7 **Specifications** 8



This freezer uses non-Freon refrigerant (isobutane) and non-Freon foam insulation (cyclopentane). These materials are harmless to the environment and do not affect the ozone layer and global warming.

Maintenance work shall only be carried out at workshop by well-trained maintenance worker.

Please read this manual carefully and follow the information contained within. In particular, be sure to read the safety precautions before using this freezer. Be sure to receive your copy of the warranty from the retailer and confirm that the purchase date and retailer name are written on the warranty.

- Store this operating instructions manual and the warranty in a safe place.
- This freezer was manufactured for freezing of foods in general households. For commercial use, please use a commercial freezer.
- The principal plastic components indicate the material name to facilitate recycling.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- This appliance is intended to be used in household application only
- WARNING When positioning the appliance, ensure the supply cord is not trapped or damaged.
- WARNING Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- WARNING Just in case of having damaged the refrigerant circuit, do not use electric items or fire equipments near by, and open the window to ventilate the room. And contact the retail store at which you purchased it or the following MITSUBISHI SERVICE CENTRE.

## Cleaning Instruction - Important!

It is strongly recommended to use only lukewarm water and a soft cloth when cleaning. Cleaning agents can cause cracking to the plastic components of your freezer.

## From installation to operation

## Installation location

#### The installation location should be a well-ventilated area out of direct sunlight and not exposed to hot air

to avoid diminished cooling power and to economize on electricity costs.

#### Low humidity

is recommended to prevent rusting.

#### Strong and level location

is recommended to prevent vibration and noise.

 If the freezer is installed on flooring on which the freezer supports easily sink (such as carpeting, woven mats, polyvinyl chloride flooring, etc.), place a strong plate or board under the freezer. (This is necessary to prevent deformation or discoloration due to heat.)

Away from other household appliances

is recommended to prevent noise or image interference with televisions, etc.

### Leave space for heat ventilation

Leave at least 2 cm of space to the left and right of the freezer, at least 10 cm of space above the freezer and at least 10 cm of space behind the freezer. to allow heat to escape from above and to the sides of the freezer.

## The exterior of the freezer gets hot

When the freezer is first used and during the summer, the exterior temperature can exceed **50~60 °C**.

#### - Use in hot spring areas

Corrosion control treatment may be required for the refrigerant circuit (pipe) due to generation of corrosive gases. Contact the retail store where you purchased the freezer.

#### MARNING -

Do not obstruct the freezer vents or the space around the freezer.

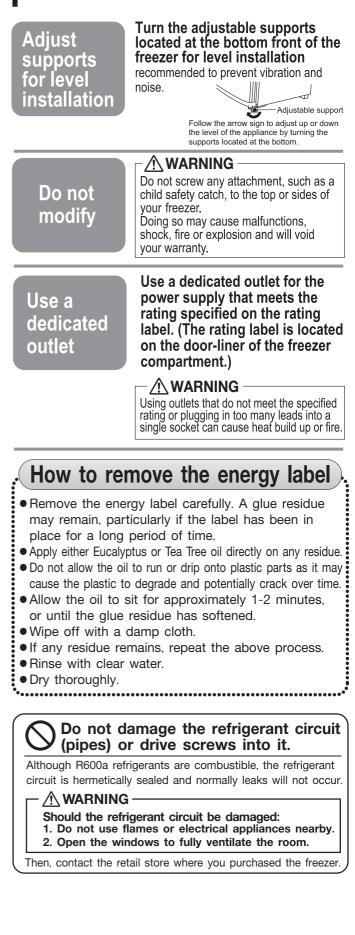
If refrigerant leaks, it may accumulate and catch fire or explode.

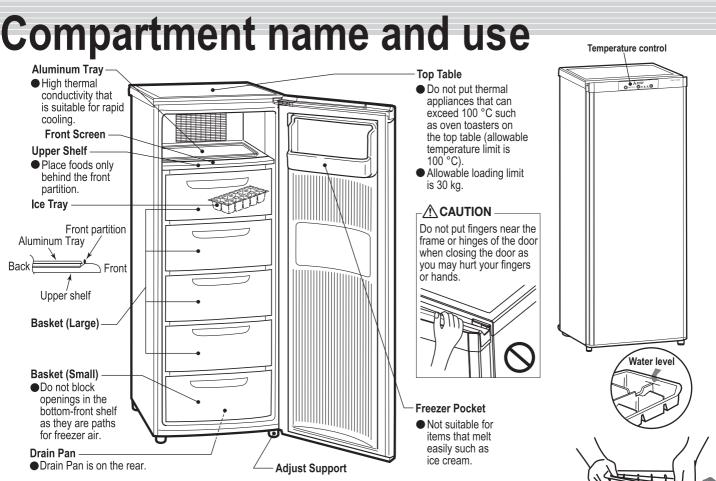
## To ensure quick cooling

#### The freezer will not immediately cool after power is turned on. It normally takes 4~5 hours for the freezer to cool.

- Leave space between food items.
- Allow the freezer to cool sufficiently before you store non-cooled food items or ice cream.
- Open and close the doors only as much as necessary and do not leave them open for long periods of time.

Especially during hot summers, it may take 24 hours to make the first batch of ice.





## Ice Making Method

- Pour water into the ice tray, to about 80% of its capacity.
- Put the filled ice tray with water filled in the freezing compartment and be careful not to spill any water.
- To take ice out from the ice tray, gently twist the tray with your hands (as shown in the picture) Do not try to bend or break the ice tray.
- Do not put drinking water bottles in this compartment, as the container might break in freezing temperatures.

## Attention:

- Placing heavy items, 9 kg or more, in the freezer drawer could result in the freezer drawer being cracked or deformed.
- Immediately after closing the door the freezer air gets rapidly chilled and contracts which may make the door difficult to open. Please wait one or two minutes before attempting to open the door again.
- When the freezer is well chilled and stable, there is a pressure difference between the inside and outside of the freezer so the door may require more effort to open. Open it slowly and firmly by placing your other hand on the unit itself.

# Smart tips for using your freezer

Do not overfill	<ul> <li>Cooling efficiency will be lowered if overfilled.</li> <li>Place the foods only behind the front partition.</li></ul>
with food	Make sure that all baskets are fully closed so that the door can be completely shut.
Home freezing is recommended while ingredients are fresh	• Foods will deteriorate gradually even after home freezing. Please try to eat foods without leaving them too long.

Do not re-freeze any foods once they have thawed.

This freezer is not an ice machine so it is not suitable for making large amount of ice at once.

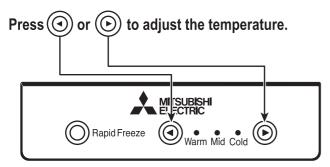
Do not use	Any bagged chilling agents (containing ammonium nitrate). Leakage may cause rust or failure.
Wrap	Food to avoid drying and also prevent odors from spreading to other foods.
Cool	Warmed foods before you put them in the freezer.

## Adjusting the temperature

## Freezer control

### Normally set [Mid]

# To cool more or when too cold



 Green lamp in Temperature Control Display will move as you press (()) to left and (()) to right.

- Freezer temperature control position and freezer temperature -

Display lamp	Freezer temperature	Use
Warm (Economy)	2–3 °C higher than medium	<ul> <li>Little frozen food</li> <li>When the door usually stays shut</li> </ul>
Mid (Medium)	About –18 °C	<ul> <li>For a normal use</li> </ul>
Cold	2–3 °C colder than medium	<ul> <li>A lot of frozen food</li> <li>When the door is opened frequently</li> </ul>

## Defrost

It is not necessary to defrost or drain water in drain pan.

## CAUTION

1. This appliance is designed for use in ambient temperature listed below.

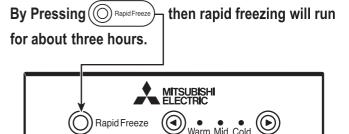
MODEL NAME	AMBIENT TEMPERATURE RANGE	CLIMATIC CLASS
MF-U160R-A	16 °C ~ 43 °C	Т
MF-U160R-NZ	16 °C ~ 43 °C	Т

The internal temperatures could be affected by such factors as the location of the refrigerating appliance, ambient temperature and the frequency of door opening, and, if appropriate, a warning that the setting of any temperature control device might have to be varied to allow for these factors.

- 2. A rise in temperature of the frozen food during manual defrosting, maintenance or cleaning could shorten the storage life.
- 3. Food to be frozen is not to be placed in direct contact with food in storage and, if appropriate, that it could be necessary to reduce the quantity to be frozen if freezing every day is anticipated.
- 4. The electrical power failure for 1-2 hour will only slightly effect the inside temperature. However, open & close of the door results in the temperature loss. In case there is more than 24 hours electrical power failure, the food should be taken out from the fridge.
- 5. In case you are leaving or there is no food in the fridge for more than 3 weeks, The fridge should be unplugged and cleaned.

## Rapid Freeze

# To chill the freezer rapidly and maximum freezing



- When you wish to stop Rapid Freeze, press the same button once again. Rapid Freeze is turned off and operation returns to normal.
- When Rapid Freeze is stopped, operation returns to normal.
- When the power plug is pulled out or a power cut occurs, press the button again to start the operation once power is restored.
- If you press Rapid Freeze button while defrosting or soon after the compressor has stopped, it will take a little while to get started even though the lamp turns on immediately.

## **Maintenance and Troubleshooting**

## Before you start

Remove the power plug from the outlet



Wait at least 10 minutes before you plug the power plug back into the outlet.

### **WARNING**

Failure to remove the power plug can cause electric shock.

## Maintenance and cleaning

## To get rid of grease and dirt

- Wipe or remove and wash parts with water.
- For stubborn dirt, wipe using kitchen detergent (neutral) that was diluted to the prescribed guideline for use.
   (Oily deposits or citrus fruit juices left on plastic parts can cause them to break.)
- Be sure to completely wipe off any detergent you use.
- For chemically-treated disposable cloths, be sure to read all of the instructions and observe the precautions.
- Do not use alcohol, benzene, scouring brushes, alkaline detergent, or undiluted neutral kitchen detergents. They can damage the surface of plastic parts (door handles, caps, cases, etc.) and cause them to break.

### 

Do not put water directly inside and outside of the unit. (It may cause failure or electrical leakage.)

## Drain pan

- ① The freezer is pulled out (forward).
- 2 Remove the drain pan as shown.
- ③ To install, insert the drain pan completely so the drain pipe is located above the drain pan. (Failure to insert the drain pan completely can lead to water leaks, noise, and vibration.)



rear

 If the drain pan becomes dirty, evaporation becomes difficult and may result in an over flow or bad odor.

## After maintenance

### Inspecting the power plug, and outlet

- Is the power plug damaged?
- Is there abnormal heat buildup in the power plug?
- Is the power plug inserted securely into the outlet?

## What to do

## Blackouts (electric power goes out)

 Refrain from opening and closing the freezer doors and avoid storing additional food items in the freezer.

### Long period of non use

- After removing the power plug from the outlet, clean the interior of the freezer and leave the doors open for 2~3 days to let interior dry completely.
- \* Failure to let the interior of the freezer dry completely can cause mold and odours.

## Rear of the freezer and floor

- 1) The freezer is pulled out (forward).
- ② Wipe away any dirt from the wall, floor, or rear of the freezer. Air circulation can cause dust to collect in the area behind and under the freezer. These areas also easily blacken.

#### 

The compressor becomes very hot. Do not touch. Because of other possible hazards in the bottom rear of the freezer, keep hands out of this area. (Doing so can cause injury)

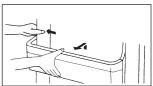


## How to remove and reinstall the sliding basket

- 0 Pull the sliding case towards you.
- ② Hold the handle, lift the front part and pull it out.
- To reinstall the basket, please do it in the reverse order.

## How to remove and reinstall the pocket

- Push the inside panel of the freezer out.
- ② Lift the pocket and pull it forward
- To reinstall the basket, please do it in the reverse order.





## 

Dust build up or damage to the power plug can cause electric shock or fire.

#### ♦ Transporting the freezer

- 1. Wear protective equipment (thick work gloves).
- 2. Discard the water in the drain pan.
- Carefully move the freezer with two or more people, holding the lower front interior and the handy-grip recesses on the upper rear of the unit.
- Do not lay the freezer down. (Doing so can cause the compressor to malfunction.)
   If charging residence, it is not necessary to
- If changing residence, it is not necessary to change the frequency of the power supply.

Is the outlet loose?



- replace the power plug.

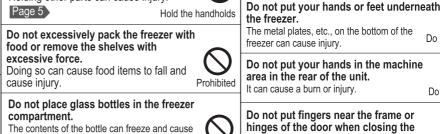
   This freezer uses flammable foaming gas for insulation.
- Please deliver the unit to specialized industrial

## waste dealer when you dispose of it.

Please follow the rules in your country. If not properly disposed of and a refrigerant leak happens, it may cause ignition or explosion. Dispose of properly

#### When opening and closing the door.

- Do not open or close the door while someone else is in the way Do not place your fingers at the top of drawer-type
- doors when closing the door. Do not close the lower drawers with your foot (as it may get caught)
- (as it may get caught). • Do not open or close the door forcefully (food items may fall and cause injuries) Do not do



Doing so can cause frostbite.

You may hurt your fingers or hands.

door.

Do not store

the bottle to break and cause injury.

transporting the freezer.

Holding other parts can cause injury.

- 6 -

Hold the handle

No wet hands

Do not touch

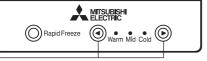
Do not touch

## Troubleshooting

If the problem is not resolved after troubleshooting, immediately contact your freezer retailer.

Problem	Check the following	Solution and reasons	
Freezer does not cool.	① Is the freezer receiving power?	Check the power cord, plug, power point and the circuit breaker or fuse on house power board.	
Freezer does not cool sufficiently.	<ol> <li>Is the temperature control set to [Warm]?</li> <li>Has the freezer just been installed?</li> <li>Is there sufficient space around the freezer? Is the freezer in direct sunlight or is heat ventilation hampered?</li> <li>Have you blocked the flow of refrigerated air? Is the door opened frequently or left ajar?</li> </ol>	<ol> <li>Press  button on the temperature control to select the [Mid] position. Page 4</li> <li>It sometimes takes 24 hours for the freezer to cool in the summer.</li> <li>Check that the freezer is installed and set up correctly. Page 2</li> <li>Check that the freezer is not excessively packed with food items and that the doors are not ajar. Page 3</li> </ol>	
Condensation collects on the exterior of the freezer and frost collects in the freezer compartment.	<ul> <li>Is the door opened frequently or left ajar?</li> <li>Is it a rainy or highly humid time of the year?</li> </ul>	<ul> <li>When moisture in the air is chilled, it will become frost and prevent the door from properly closing.</li> <li>Condensation may temporarily collect on the freezer. Wipe the freezer with a dry cloth. In addition, frost may form easily in the freezer compartment. Open and close the freezer compartment door only as much as necessary.</li> </ul>	
Door is easy to open or difficult to close	<ul> <li>① Are any food items in contact with the door? Is the freezer excessively packed with food items?</li> <li>② Is the power cord pinched between the door and the freezer?</li> </ul>	<ul> <li>Do not store food items so that they stick out from the shelves or cases.</li> <li>Remove pinched power cord. Be careful not to pinch items such as food items, the power cord, or plastic bags between the door and the freezer.</li> </ul>	
Door is difficult to open	The door may require more effort to open as differences in temperature between the inside and outside of the freezer will cause a pressure difference. Please wait one or two minutes before attempting to open the door again immediately after closing the door. When the freezer is well chilled and stable, open it slowly and firmly by placing your other hand on the unit itself.		
Loud or disturbing noises. The noises listed to the right are normal.	<ol> <li>The noise gets loud suddenly or the tone changes.</li> <li>Sometimes hissing or bubbling sounds are heard.</li> <li>Sometimes after opening the door, a cracking sound or the sound of dripping water is heard from within the freezer.</li> </ol>	<ol> <li>After defrosting, the sound may increase occasionally.</li> <li>These are the sounds of the flowing refrigerant (gas).</li> <li>A creaking or cracking sound is made when warm air has entered the freezer, causing the plastic parts to expand.</li> </ol>	
Exterior gets hot.	it so hot? heat ventilation from is first used and durin the freezer, especial	bed with piping to prevent condensation and for the sides and above the unit. When the freezer ng the summer, warm air can flow from under by when the exterior temperature is 50~60°C. To cooling and is not a malfunction.	

## Fine adjustments of the freezer temperature is possible.



1. Set Fine Temperature Control Mode

 $\overline{\phantom{a}}$  Press both ) and ) at the same time for five seconds.

### 3. Cancel Fine Temperature Control Mode

To cancel the mode, please do it in the reverse order. If two lamps are still turned on, its cancellation may not have been completed because only one lamp should be on after canceling the mode. Please check the temperature setting once again in this case.

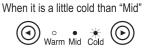
#### 2. Operate Fine Temperature Mode

Operating method is the same as adjusting the temperature. Page 4 • Adjust the temperature by 0.3 - 0.5 °C.

When making fine temperature adjustments, two lamps light or flash instead of one lamp for a normal temperature control (lamps flash in two-second increments).

#### <u>Example</u>

When it is a little warm than "Mid"  $\textcircled{O}_{Warm Mid} \overset{\bullet}{\underset{Cold}{\otimes}} \overset{\circ}{\underset{Cold}{\otimes}} \textcircled{O}$ 



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## **Specifications**

Model name		MF-U160R
Туре		Freezer
Volume		160 L
	Width	480 mm
Outside dimension	Depth	586 mm
	Height	1291 mm
Weight		35 kg
Voltage		230-240 V~
Frequency		50 Hz

- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.
   WARNING Do not use mechanical during the supervised statement of the supervised st
- WARNING Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- WARNING Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- WARNING Just in case of having damaged the refrigerant circuit, do not use electric items or fire equipments near by, and open the window to ventilate the room. And contact the retail store at which you purchased it or the following MITSUBISHI SERVICE CENTRE.
- WARNING When positioning the appliance, ensure the supply cord is not trapped or damaged.
- WARNING Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.

#### **R600a Refrigerant Warning**

- This appliance contains a small quantity of R600a refrigerant which is flammable.
- During transportation and installation, ensure that the tubing of the refrigerant circuit is not damaged.
- Leaking refrigerant can ignite and may damage the eyes.
- In the event any damage does occur, avoid exposure to open fires and any device which creates a spark. Disconnect the appliance from the mains power.
- Thoroughly ventilate the room in which the appliance is located for several minutes.
- Notify Mitsubishi Electric Australia Pty Ltd. for necessary action and advice.
- The room for installing the appliance must be at least 1 cubic metre per 8 grams of refrigerant. The refrigerant quantity contained in this appliance is noted on the Rating Label of the appliance.
- If your Mitsubishi Electric Freezer should require service, please contact Mitsubishi Electric Australia Pty Ltd see back page of this user manual for contact details.

#### NOTE: MITSUBISHI ELECTRIC AUSTRALIA PTY LTD. DO NOT ALLOW SERVICE TO THE REFRIGERATION CIRCUIT OF THIS APPLIANCE.

## If an abnormality or malfunction occurs, stop operation immediately and contact the retail store where you purchased the refrigerator or MITSUBISHI ELECTRIC SERVICE CENTRE or its service agent.

#### SOLE AGENT in Australia

MITSUBISHI ELECTRIC AUSTRALIA PTY LTD.

(Incorporated in New South Wales) ABN 58 001 215 792

348 Victoria Road, Rydalmere NSW 2116

#### For more information and support contact

www.mitsubishielectric.com.au Call 1300 651 808

#### SOLE AGENT in New Zealand

#### BLACK DIAMOND TECHNOLOGIES LIMITED (BDT)

#### Wellington Office (Head Office)

1 Parliament Street Lower Hutt PO Box 30772 Phone: (04) 560 9147, Fax: (04) 560 9133 Auckland Office

Unit 1, 4 Walls Road Penrose PO Box 12726 Phone: (09) 526 9347, Fax: (09) 526 9348 Christchurch Office

44 Halwyn Drive Hornby PO Box 16904 Phone: (03) 341 2837, Fax: (03) 341 2838

## MITSUBISHI ELECTRIC CORPORATION

Accessories	Quantity
Freezer Pocket	1
Basket (Large)	4
Basket (Small)	1
Drain Pan	1
Aluminum Tray	1
Ice Tray	1

This appliance is designed for use in Australia and New Zealand only and cannot be used in any other country. No service is available outside of Australia and New Zealand.

- The refrigerator contains flammable refrigerant (R600a: iso-butane).
- The refrigeration system behind and inside the refrigerator contains refrigerant. Do not allow any sharp objects to come into contact with the refrigeration system.
- Do not block the openings on the circumstances of the freezer.
- The user manual should be handed over to any person who would use or handle the refrigerator whenever the refrigerator would be transferred to another location and delivered to a recycling plant.
- This freezer uses flammable foaming gas for insulation. Please deliver the unit to specialized industrial waste dealer when you do away it. Please follow the rules in your country.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- This appliance is intended to be used in household application only.