

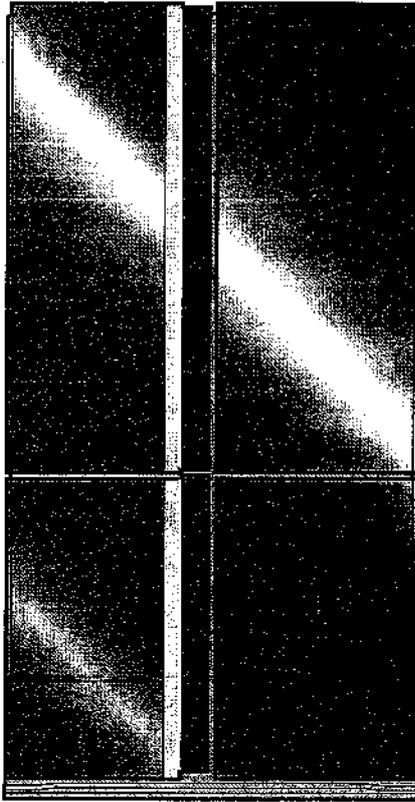
SHARP



Refrigerant; R600a
Insulation blowing gas; Cyclopentane

冷媒種類 ; R600a
絕緣發泡材主要成份 : 環戊烷

香港電器安全規格
(國際電工委員會規格適合)



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Plasmacluster is a registered trademark or a trademark of Sharp Corporation.

SJ-FS810V

REFRIGERATOR - FREEZER OPERATION MANUAL

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原裝進口雪櫃 使用說明書

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ENGLISH

中文

Thank you very much for buying this SHARP product. Before using your SHARP refrigerator, please read this operation manual to ensure that you gain the maximum benefit from it.

• This refrigerator is for household only, with ambient temperature between +5°C and +43°C.

The refrigerator should not be subjected to temperatures of -10°C or below for a long period of time.

Household use only

WARNING

- This refrigerator contains flammable refrigerant (R600a: isobutane) and insulation blowing gas (cyclopentane). Observe the following rules to prevent ignition and explosion.
 - 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 use mechanical devices or other means to accelerate the defrosting process. (This refrigerator has adopted automatic defrosting system.)
 - Do not use electric appliances inside the refrigerator.
 - Use only the specified parts for the refrigerator compartment light.
 - Do not block the openings on the circumference of the refrigerator.
 - Do not use flammable sprays, such as spray paint near the refrigerator. It may cause explosion or fire.
 - If the refrigeration system should get punctured, do not touch the wall outlet and do not use open flames. Open the window and air out the room. Then ask a service agent approved by SHARP for servicing.
 - This refrigerator should be disposed appropriately. Take the refrigerator to a recycling plant for flammable refrigerant and insulation blowing gases.
- Do not store highly volatile and flammable materials such as ether, petrol, propane gas, aerosol cans, adhesive agents and pure alcohol etc. These materials are liable to explode.
- Dust deposited on the power plug may cause fire. Wipe it off carefully.
- Do not attempt to change or modify this refrigerator. This may result in fire, electric shock or injury.
- Do not touch the machinery parts of the automatic ice maker (upper section of the ice storage box). Operating the ice maker may cause injury.
- Ensure that the refrigerator presents no danger to children while being stored for disposal. (e.g. remove the magnetic door seals to prevent child entrapment.)

CAUTION

- Do not touch the compressor unit or its peripheral parts, as they become extremely hot during operation and the metal edges may cause injury.
- Do not touch foods or metal containers in the freezer compartment with your wet hands. This may cause frostbite.
- Do not use an extension cord or adapter plug.
- Do not place bottled and canned drinks in the freezer as they may crack when frozen.
- Make sure that the power cord has not been damaged during installation or moving. If the power plug or cord is loose, do not insert the power plug. There is a risk of electric shock or fire.
- Disconnect from the mains electricity supply by removing the mains plug from the electricity supply socket. Do not remove by pulling the mains lead. This may cause electric shock or fire.
- Should the flexible supply cord be damaged, it must be replaced by service agent approved by SHARP as a special cord is required.
- In case of gas leak, ventilate the area by opening a window, etc. Do not touch the refrigerator or the power outlet.
- Do not place objects containing liquid or unsteady objects on top of refrigerator.
- 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.

INSTALLATION

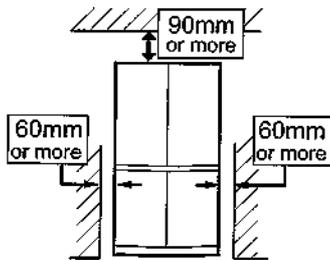
Free standing type

WARNING

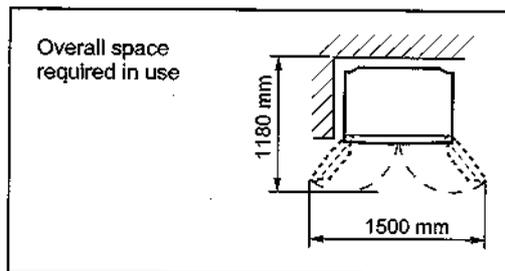
- Do not install the refrigerator in a damp or wet location as this may cause damage to the insulation and a leakage. Condensation may also build on the outer cabinet and cause rust.

1 Keep adequate ventilation space around the refrigerator.

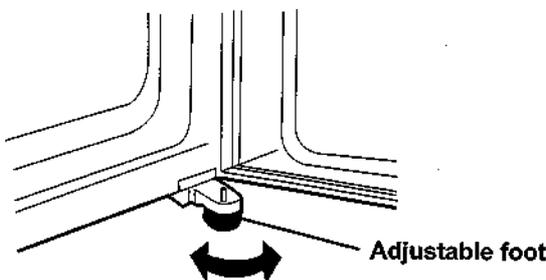
- The figure shows the minimum required space for installing the refrigerator. The measurement condition of power consumption is conducted under a different space dimension.
- By keeping greater space, the refrigerator may be operated under a less amount of power consumption.
- If using the refrigerator in the smaller space dimension than the below figure, it may cause the temperature rise in the unit, loud noise and failure.



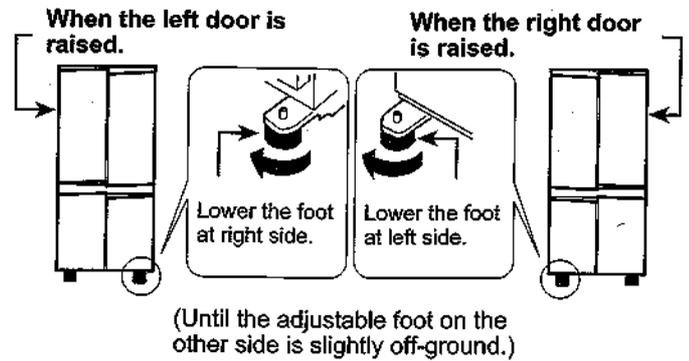
- The space between the rear of the refrigerator and the wall should be 60mm or more and less than 75mm. If the space is wider than 75mm, you may get injured by touching compressor and its peripheral parts which are extremely hot during the operation.



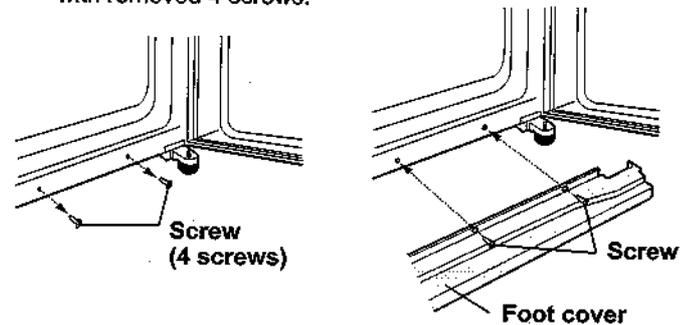
2 Use the two front adjustable feet, to ensure that the refrigerator is positioned firmly and flat on the floor.



3 When right and left doors are not properly aligned, adjust using the adjustable feet.



4 Remove the 4 screws of the cabinet lower part, and then set the foot cover (supplied inside the refrigerator compartment) with removed 4 screws.



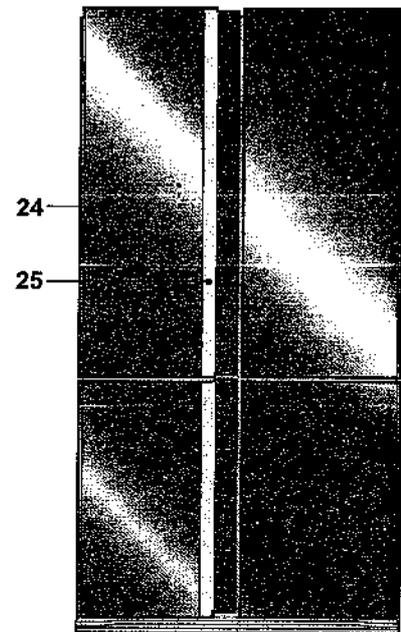
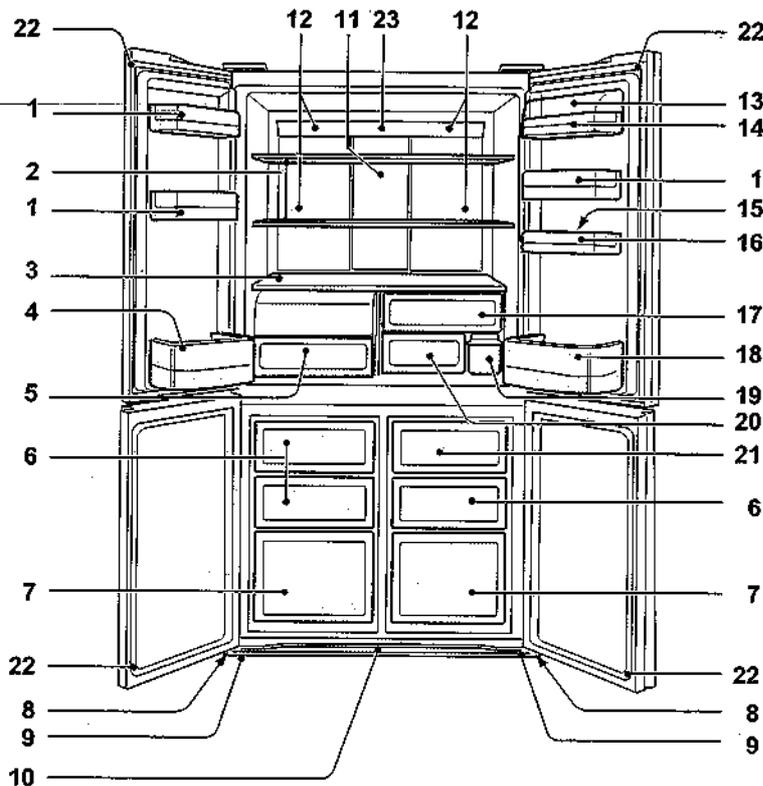
NOTE

- Position your refrigerator so that the plug is accessible.
- Keep your refrigerator out of direct sunlight.
- Do not place next to heat generating appliance.
- To insert the power plug when the door is opened, door alarm sounds but it is not abnormal. This sound stops when closing the door.

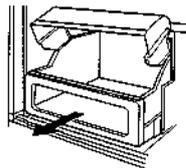
Before using your refrigerator

Clean the inside parts with a cloth soaked in warm water. If soapy water is used, wipe it off thoroughly with water.

DESCRIPTION

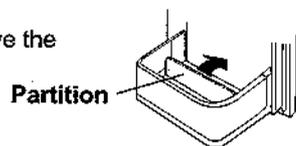


- 1. Door pockets (3 pcs.)
- 2. Refrigerator shelves (2 pcs.)
- 3. Shelf
- 4. Bottle pocket (left)
- 5. Highly sealed vegetable crisper
The cover of the Vegetable crisper opens as the case is pulled.
- 6. Freezer cases (small) (3 pcs.)
- 7. Freezer cases (large) (2 pcs.)
- 8. Casters (4 pcs.)
- 9. Adjustable feet (2 pcs.)



- 10. Foot cover
- 11. Hybrid cooling panel
The panel is cooled from the rear, thus indirectly cools the refrigerator compartment. In this way, food is refrigerated gently, without exposing to the cold air flow.

- 12. LED light
- 13. Utility pocket cover
- 14. Utility pocket
- 15. Egg holder
- 16. Egg pocket
- 17. Fruit case
- 18. Bottle pocket (right)
To store large-size bottles, move the partition all the way back.



- 19. Water tank
- 20. Fresh case
- 21. Ice storage box

To prevent damage to the Ice storage box, do not make ice in the Ice storage box or pour oil into it.

- 22. Magnetic door seals (4 pcs.)

- 23. Indicator

When the refrigerator door is open, the lamp will slowly change its color from blue to orange. This shows the temperature in the refrigerator is rising.

- 24. Touch control panel

- 25. Handle indicator

When Plasmacluster, Energy saving mode and Temperature increase sign is on, the indicator will flash.

Plasmacluster : Blue

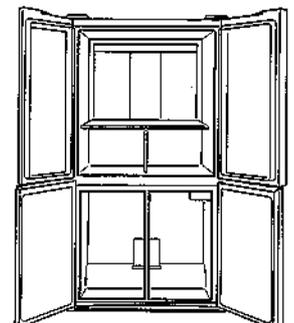
Energy saving : Green

Temperature increase sign : Orange

Deodorizing unit

Deodorizing catalyst is installed on the routes of cold air. No operation and cleaning are required.

More food can be stored by taking out the internal accessories with duly cooling.



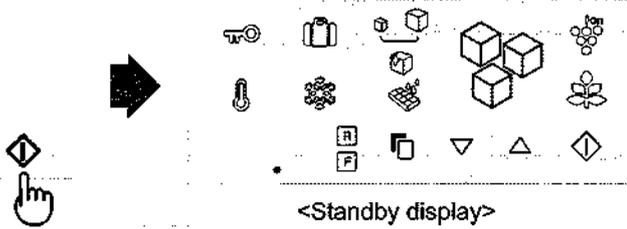
Touch control panel

To operate, touch the keys with your hand.

To light the control panel

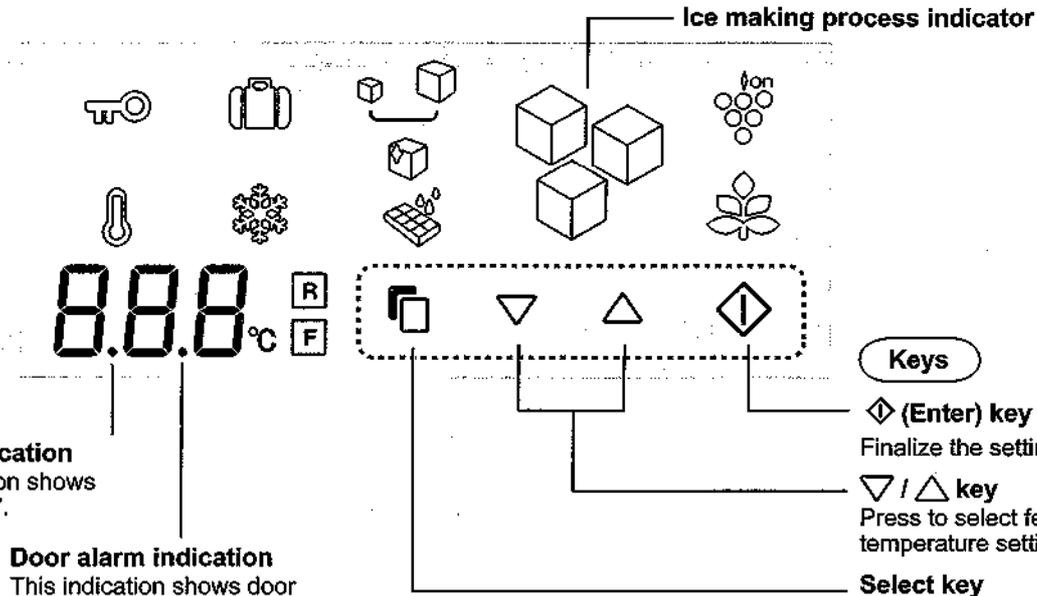
Press  (Enter) key.

Normally, only the  (Enter) key is displayed.



- The panel will light and show the current setting.
- After setting the features, when there is no operation for 1 minute, the display will automatically return to the standby display. Thus if there is no operation for another 1 minute, the display will be turned off.

<Standby display>



Sound indication
This indication shows sound "OFF".

Door alarm indication
This indication shows door alarm "ON".

Keys

-  (Enter) key
Finalize the setting.
-  /  key
Press to select feature ON/OFF or temperature setting.
- Select key**
Press to select feature and door alarm signal.

Feature icons

Icons of features in operation are colored.

- | | |
|--|---|
|  Plasmacluster |  Ice tray cleaning |
|  Energy saving |  Vacation mode |
|  Ice making |  Express Freezing |
|  Large ice making |  Child lock |
|  Clear ice making |  Temperature increase sign |

Controlling temperature icons

-  Refrigerator compartment
-  Freezer compartment

Every time you open the door

The control panel will light up to show the current setting.

- Operation is stopped while the refrigerator door is open.

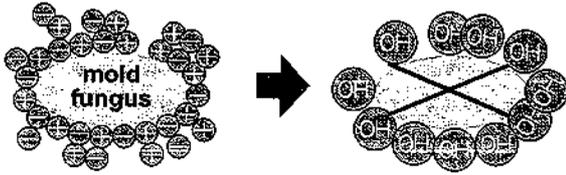
Power restored

- When there is a power failure during the operation of Express freezing or Ice tray cleaning, the operation will stop.
- Ice making process indicator returns to the initial state.
- The other settings will show the same as before.

OPERATION

Plasmacluster

The ionizer inside your refrigerator releases clusters of ions, which are collective masses of positive and negative ions, into the refrigerator compartment. These ion clusters inactivate airborne mold fungus.



To start operation

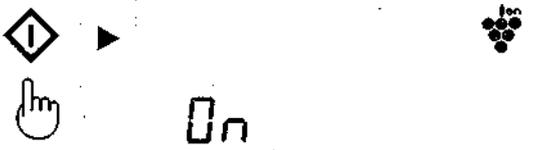
- 1 Select "Plasmacluster icon".



- 2 Select "ON".



- 3 Finalize the setting.



Additionally the handle indicator (Blue) will blink 3 times.

Handle indicator

- Every time you close the door, the indicator will flash. (Blue)
- If Energy saving is also in operation, the indicator will flash 6 times.
(Blue→Green→Blue→Green→Blue→Green)

To cancel operation

It is the same method as starting operation. Select "OFF" in step 2.



NOTE

- There may be a slight odor in the refrigerator. This is the smell of ozone generated by the ionizer. The amount of ozone is minimal, and quickly decomposes in the refrigerator.

Energy Saving

Use this feature when you want to switch the appliance to energy-saving operation.

To start operation

- ① Select "Energy saving" icon.
(The icon is green.)



- ② Select "ON".



- ③ Finalize the setting.



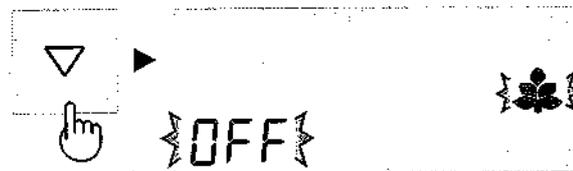
Additionally the handle indicator (Green) will blink 3 times.

Handle indicator

- Every time you close the door, the indicator will flash (Green).
- If Plasmacluster is also in operation, the indicator will flash 6 times.
(Blue→Green→Blue→Green→Blue→Green)

To cancel operation

It is the same method as starting operation.
Select "OFF" in step 2.



NOTE

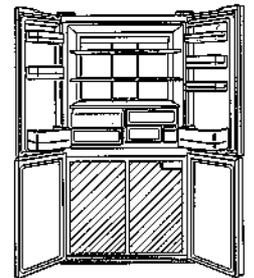
- While this feature is operating, the inside temperature of the refrigerator and freezer compartment will be higher than the preset temperature by about 1°C (refrigerator) and about 2°C (freezer). This is the guide under the condition of the preset temperature 3°C (refrigerator) and -18°C (freezer). The display of preset temperature will not be changed.
- The efficiency of power saving depends on the usage environment (controlling temperature, ambient temperature, frequency of opening or closing the door, amount of food).
- Cancel this feature when you feel the beverages are not cooled enough or ice making takes time.

Tips for saving energy

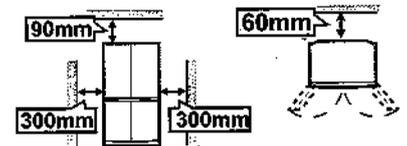
- Keep the ventilation space as much as possible around the refrigerator.
- Keep your refrigerator out of direct sunlight, and do not place next to heat generating appliance.
- Open your refrigerator door as briefly as possible.
- Hot foods should be cooled before storing.
- Place the food evenly on the shelves to allow the cooling air to circulate efficiently.

The amount of power consumption of this model is measured according to the international standard of the refrigerator performance under the following conditions.

- All accessories in the freezer compartment are taken out as indicated in the right figure.



- Space dimensions.



Vacation mode

Use this feature when going on a trip or leaving the house for a long time.

To start operation

- 1 Select "Vacation mode" icon.



- 2 Select "ON".



- 3 Finalize the setting.



To cancel operation

It is the same method as starting operation. Select "OFF" in step 2.



NOTE

- The temperature inside the refrigerator compartment will be adjusted to about 10°C.
- Food storage period in the refrigerator compartment becomes approx. 1/2-1/3 of normal operation. Please utilize only when there is no perishable food.
- Temperature of refrigerator compartment cannot be modified. ("10°C" is indicated on the display.)

Express Freezing

High-quality frozen foods can be made using this feature and is convenient for home-freezing.

To start operation

- 1 Select "Express freezing" icon.



- 2 Select "ON".



- 3 Finalize the setting.



To cancel operation

It is the same method as starting operation. Select "OFF" in step 2.



NOTE

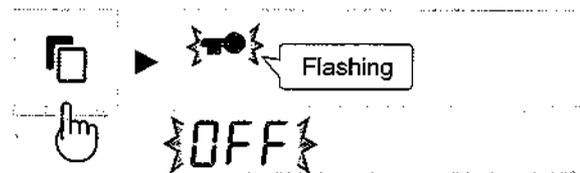
- Express Freezing ends automatically in about 2 hours. (The icon will disappear.)
- Large foods cannot be frozen in a single operation.
- Express Freezing may require more than 2 hours if this operation overlaps with defrosting. Express Freezing is started after defrosting is completed.
- Avoid opening the door as much as possible during operation.

🔑 Child Lock

Key operation of the control panel will be locked. Use this feature to prevent the panel from being used unintentionally by children or someone.

To start operation

- ① Select "Child lock" icon.



- ② Select "ON".



- ③ Finalize the setting.



To cancel operation

It is the same method as starting operation. Select "OFF" in step 2.

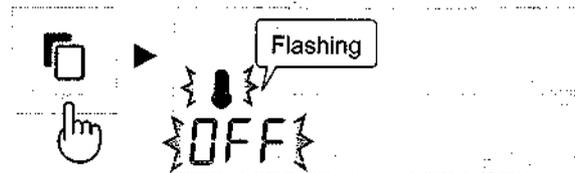


🌡️ Temperature Increase Sign

While this feature is operating, it will indicate the rise of inside temperature caused by power failure or some other malfunction.

To start operation

- ① Select "Temperature increase sign" icon. (The icon is orange.)



- ② Select "ON".



- ③ Finalize the setting.



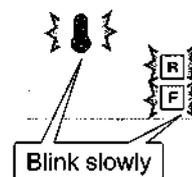
Additionally the handle indicator (Orange) will blink 3 times.

Indication of temperature increase

- If the inside temperature becomes as follows, temperature increase will be indicated.
Refrigerator : more than 10°C
Freezer: more than -10°C
- Check the quality of food before you eat.

Indication

- Icons will blink.



- Handle indicator (orange) will blink every 30 seconds.

How to cancel the indicator blink

Press the ◊ key while the icons are blinking.

To cancel operation

It is the same method as starting operation. Select "OFF" in step 2.





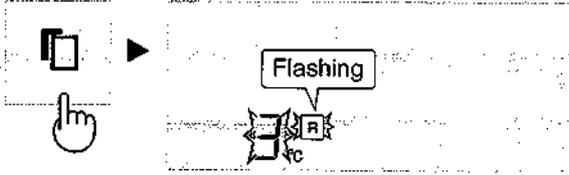
Controlling Temperature

The refrigerator controls its temperature automatically. However, if needed, adjust the temperature as follows.

Refrigerator compartment

Adjustable between 0°C and 6°C in steps of 1°C.

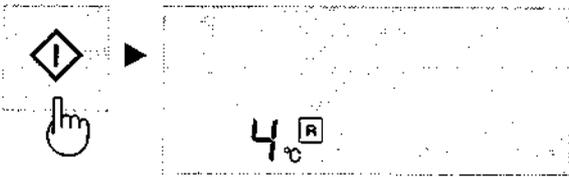
- 1 Select **R** icon.
The display shows the current preset temperature.



- 2 Set the temperature.
[Δ : increase, ∇ : decrease]



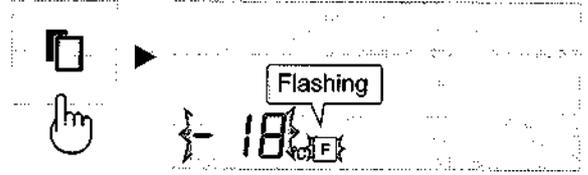
- 3 Finalize the setting.



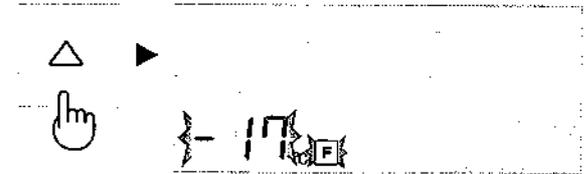
Freezer compartment

Adjustable between -13°C and -21°C in steps of 1°C.

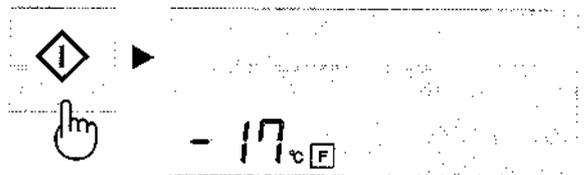
- 1 Select **F** icon.
The display shows the current preset temperature.



- 2 Set the temperature.
[Δ : increase, ∇ : decrease]



- 3 Finalize the setting.



Advanced Setting of Freezer / Refrigerator compartment

The temperature of freezer compartment and refrigerator compartment can be adjusted in steps of 0.5 °C by following steps 1 to 3 below.

Refrigerator compartment

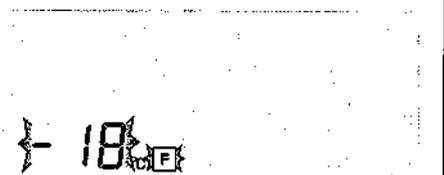
1. Select **R** icon. Beep beep beep
2. Press \blacklozenge key continuously for 3 seconds or more.
The current preset temperature on the display will be changed to 3.0 °C.
(The display will be indicated like right figure.)
3. Adjust the temperature in the same way as steps ② to ③ above.



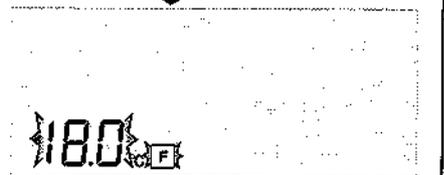
Follow steps 1 to 2 again if you want to adjust the temperature in steps of 1°C.

Freezer compartment

1. Select **F** icon. Beep beep beep
2. Press \blacklozenge key continuously for 3 seconds or more.
The current preset temperature on the display will be changed to -18.0 °C.
(The display will be indicated alternately like right figure.)
3. Adjust the temperature in the same way as steps ② to ③ above.



Follow steps 1 to 2 again if you want to adjust the temperature in steps of 1°C.

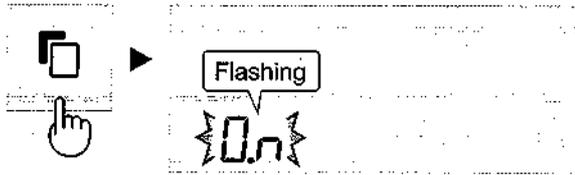


Door Alarm

- At first, door alarm is set "ON".
- When the refrigerator door or freezer door is open, the door alarm will sound.
- The door alarm will sound in 1 minute after opening the door and again after 1 minute (once in each case).
- If the door is open for approx. 3 minutes, the alarm will sound continuously.

To cancel operation

- 1 Select the door alarm indication like the below figure.



- 2 Select "OFF".



- 3 Finalize the setting.



At standby display



The indication will disappear.

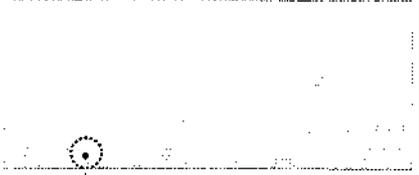
To start operation

It is the same method as cancelling operation. Select "ON" in step 2.



Door alarm indication

At standby display



It shows Door alarm "ON".

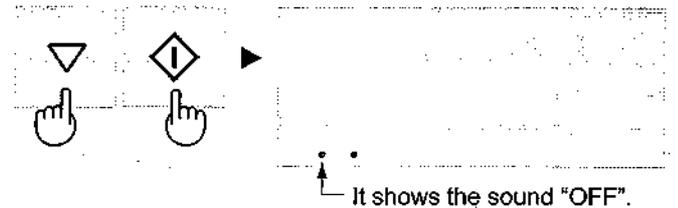
Sound ON/OFF

- At first, the sound is set "ON".
- Use this feature when you want to switch the sound of key operation and the ending sound of Ice tray cleaning to "ON" or "OFF".

To set sound "OFF"

Press the ∇ key and \diamond key simultaneously and continuously for 3 seconds or more.

Beep-beep-beep

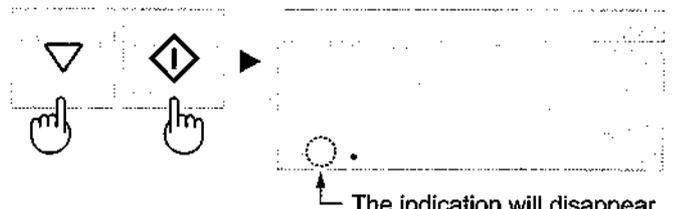


It shows the sound "OFF".

To set sound "ON"

Press the ∇ key and \diamond key simultaneously and continuously for 3 seconds or more again.

Beep-beep-beep



The indication will disappear.

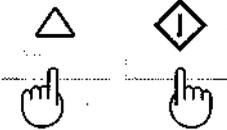
Lighting ON/OFF

- Use this feature when you want to switch "ON" or "OFF" the lighting of control panel and handle indicator when opening the door.

To set "OFF"

Press the \triangle key and \diamond key simultaneously and continuously for 3 seconds or more.

Beep-beep-beep

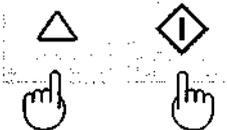


The display will be turned off.

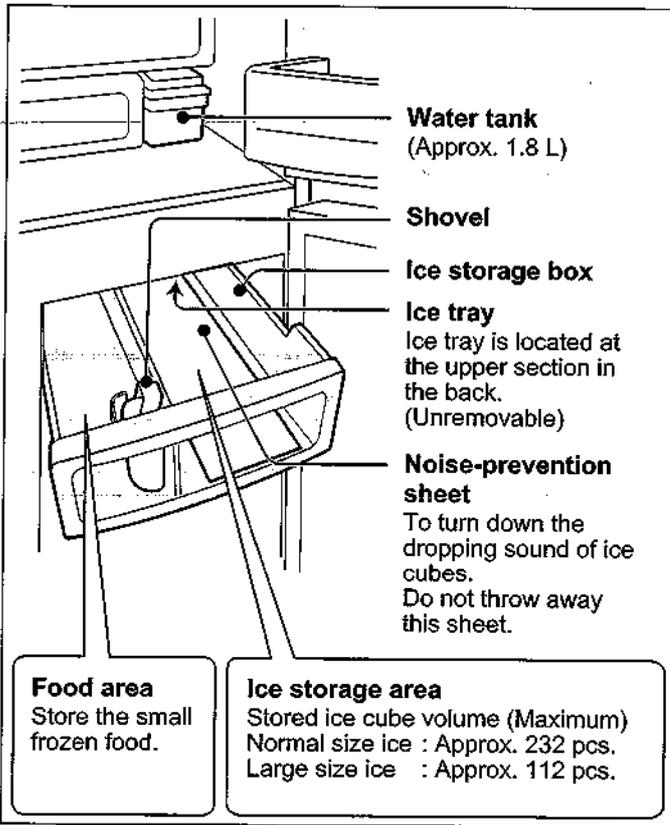
To set "ON"

Press the \triangle key and \diamond key simultaneously and continuously for 3 seconds or more again.

Beep



AUTOMATIC ICE MAKER



How ice cubes are made

Water supply

- Water is sent from the water tank to the ice tray.



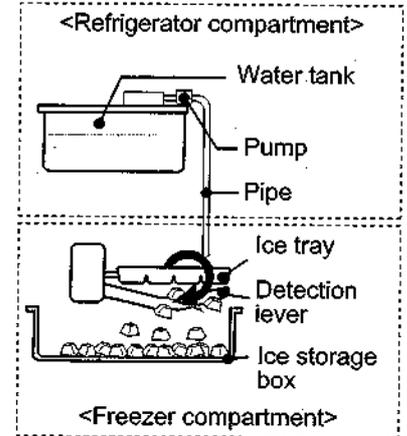
Ice making

- Ice cubes are made. (8 pieces at one time)
- The number of ice cubes per cycle may sometimes change.



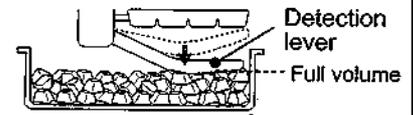
Releasing

- Ice tray rotates, releasing the ice and returns to "Water supply".
- The ice tray will not rotate when the ice storage box is full.

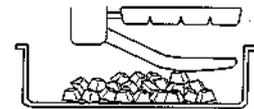


Detection lever

The volume of ice cubes are checked periodically by the detection lever.



Ice cube volume will decrease when the ice cubes are not spreaded equally.



(About half the volume)

Kinds of ice making mode

There are 5 modes you can choose as shown below.
The size or the clarity of ice cube differs according to the selected mode.

Mode	Icon	Ice size	Clarity of ice	Required time for each ice making
Ice making OFF		—	—	—
Normal ice		Normal	Normal	Approx.2 hours
Large ice		Large	Normal	Approx.3 and a half hours
Clear ice (Normal size)		Normal	High	Approx.6 hours
Clear ice (Large size)		Large	High	Approx.8 hours

NOTE

- 2 types of ice cube are made at the same time.
Cube Multifaceted shape
- More than one mode cannot be selected at one time.
- The ice making time as shown above is only a rough indication at the ambient temperature of 30°C, the temperature adjustment set to Med, Energy saving turned off, and with no opening or closing of the doors.

Ice making after changing the mode

- The first batch of ice cubes made after changing the operating mode does not reflect the change in size or clarity. This is because there are still half-made ice cubes left in the ice tray when switching to the changed mode. Ice cubes of the 2nd batch or later will reflect the mode change.

Ice making takes longer when:

- The room temperature is high.
- Less cooling operation, e.g. in winter.
- Many foods are stored.
- Refrigerator is defrosting.
- The door is frequently opened.
- When you restart the ice making operation.
- Energy saving mode is in operation.

The clarity of clear ice is declined under the following conditions

- Ice making is carried out for the first time.
- Large amount of food is stored in the other compartments.
- Energy saving or Express freezing is in operation.
- The temperature is set higher or lower than the initial temperature adjustment. (Refrigerator : 3°C, Freezer : -18°C)

Preparations for the first-time ice making

- Wash the water tank and the ice storage box.
- Carry out the Ice tray cleaning mode to clean the ice tray and the pipe.
(There may be odor or dirt within the automatic ice maker.)

Ice making

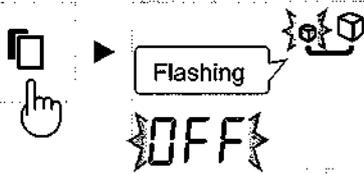
WARNING

Use potable water only.

To start operation

At first, all the ice making mode are set "OFF".

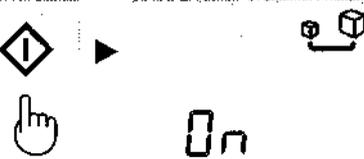
- ① Select one of the four modes.
- | | |
|--|---|
|  Normal ice |  Clear ice (normal size) |
|  Large ice |  Clear ice (large size) |



- ② Select "ON".

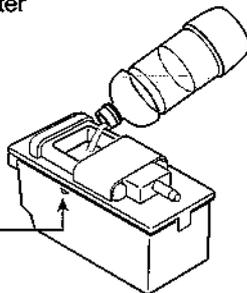
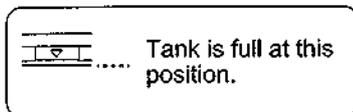


- ③ Finalize the setting.



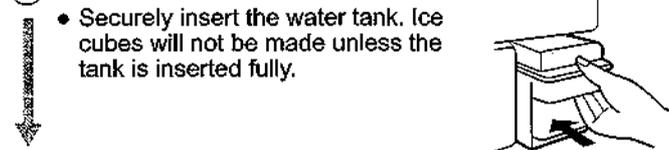
- ④ Pull out the water tank and pour water into it.

- Do not tilt the water tank when carrying as the water may spill.



- ⑤ Set the water tank.

- Securely insert the water tank. Ice cubes will not be made unless the tank is inserted fully.



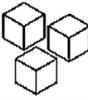
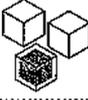
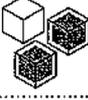
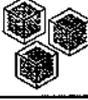
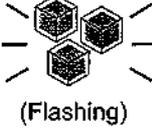
Ice is made automatically.

NOTE

- It takes about 24 hours to make the first set of ice cubes.
- For hygienic reasons, replace the water once a week even when there is water remaining in the tank.
- When the tank is empty, it may sometimes make a groaning noise but this is normal.

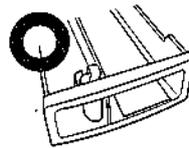
Ice making process indication

Indication will change during ice making.

Indication	Condition
	<ul style="list-style-type: none"> • Automatic ice making mode is "OFF". • Within 5 minutes after the water supply.
	Ice making is started.
	<ul style="list-style-type: none"> • About two-thirds of the ice making is complete. • When the ice storage box is full.
	Ice making is finished. The ice cubes are dropped to the ice storage box. (Control panel will light up to show the completion.)
 (Flashing)	<p>Water tank is out of water. Pour water into the water tank.</p> <ul style="list-style-type: none"> • Even if the water tank is empty, the flashing will be turned off by opening and closing the refrigerator doors. However, the flashing will restart after a short time.

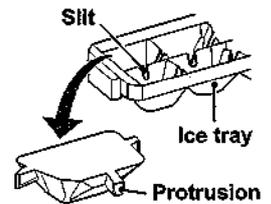
NOTE

- Do not use drinks other than potable water. Do not use hot water (heat-resistance:60°C), juice, tea, soda and sports drink etc. (Dirtying of interior may result.) Malfunction of the ice maker may occur as a result.
- Large size ice may not be made when the water level of the water tank is low even if large ice mode is selected.
- Do not place the shovel or food on top of the ice cubes. This may cause the automatic ice maker to malfunction (damage of the detection lever, etc.) or the case not being able to be pulled out. Set the shovel at the designated location.



Protrusions of ice cubes

- There are some slits placed in the ice tray. Therefore, the ice cubes coming from the tray will have protrusions from these slits.
- The protrusions may be pointed. Be careful when putting the ice cube directly in your mouth.



White in ice cubes and floating substance

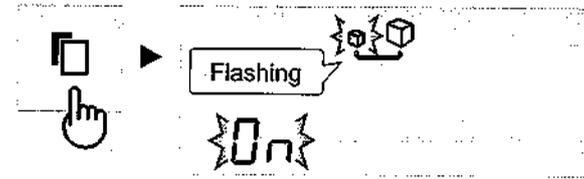
- The minerals contained in water may solidify and whiten as water freezes. Minerals turn into a state which is insoluble in water once it freezes, so melting the ice cubes will leave only white floating substances, but this is normal.
- This is more likely to happen when you use hard water (e.g. The hardness of the water is 100mg/L or more).
- The same thing will happen even if clear ice is set "ON".

Cancelling the ice making mode

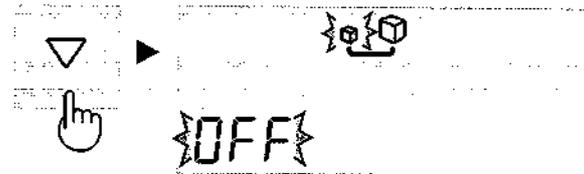
- Use this feature during night time or winter time.
- You can use the ice storage box as a freezer case.

To cancel operation

- 1 Select ice making mode which is in operation.



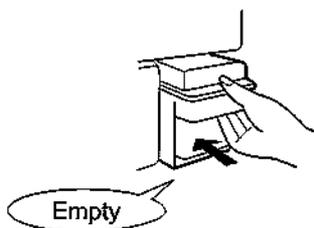
- 2 Select "OFF".



- 3 Finalize the setting.

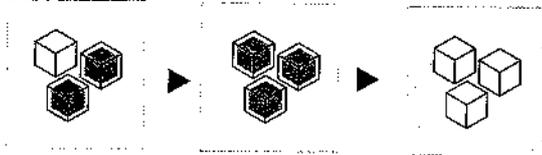


- 4 Empty the water tank. Dry it thoroughly and set into the original position.



After cancelling the ice making mode

- Even after cancelling the ice making mode, it will conduct the ice releasing operation, therefore the ice tray and the detection lever will operate.
- After finishing the ice releasing operation, ice making process indication will turn off.



- Do not put any food until the ice making process indication turns off. Otherwise, it may break the detection lever.

To start operation again

Refer to "Ice making".

Ice tray cleaning

You can clean the ice tray and the pipe. Use this feature at the beginning or when the refrigerator has not been used for a long time.

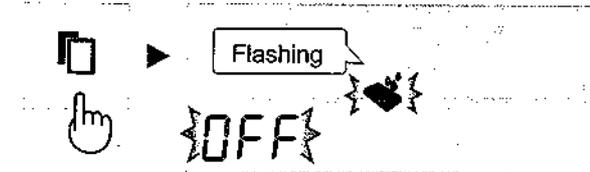
- The water is supplied from the water tank to the ice tray forcibly.
- The water discharge amount at one cleaning will be 100mL. However, when large ice mode is set as on, the water discharge will be 230mL.

Preparation

Pour water into the water tank and set into the original position. Empty the ice storage box.

To start operation

- 1 Select ice tray cleaning icon.



- 2 Select "ON".

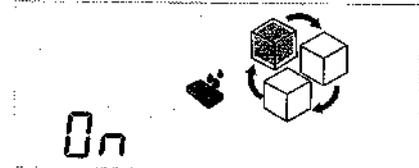


- 3 Finalize the setting. (Ice tray cleaning will start.)



During ice tray cleaning operation

It takes about 40 sec. Do not pull out the ice storage box.



The process indication will toggle like in the above picture.



- 4 Follow steps 2 to 3 again.

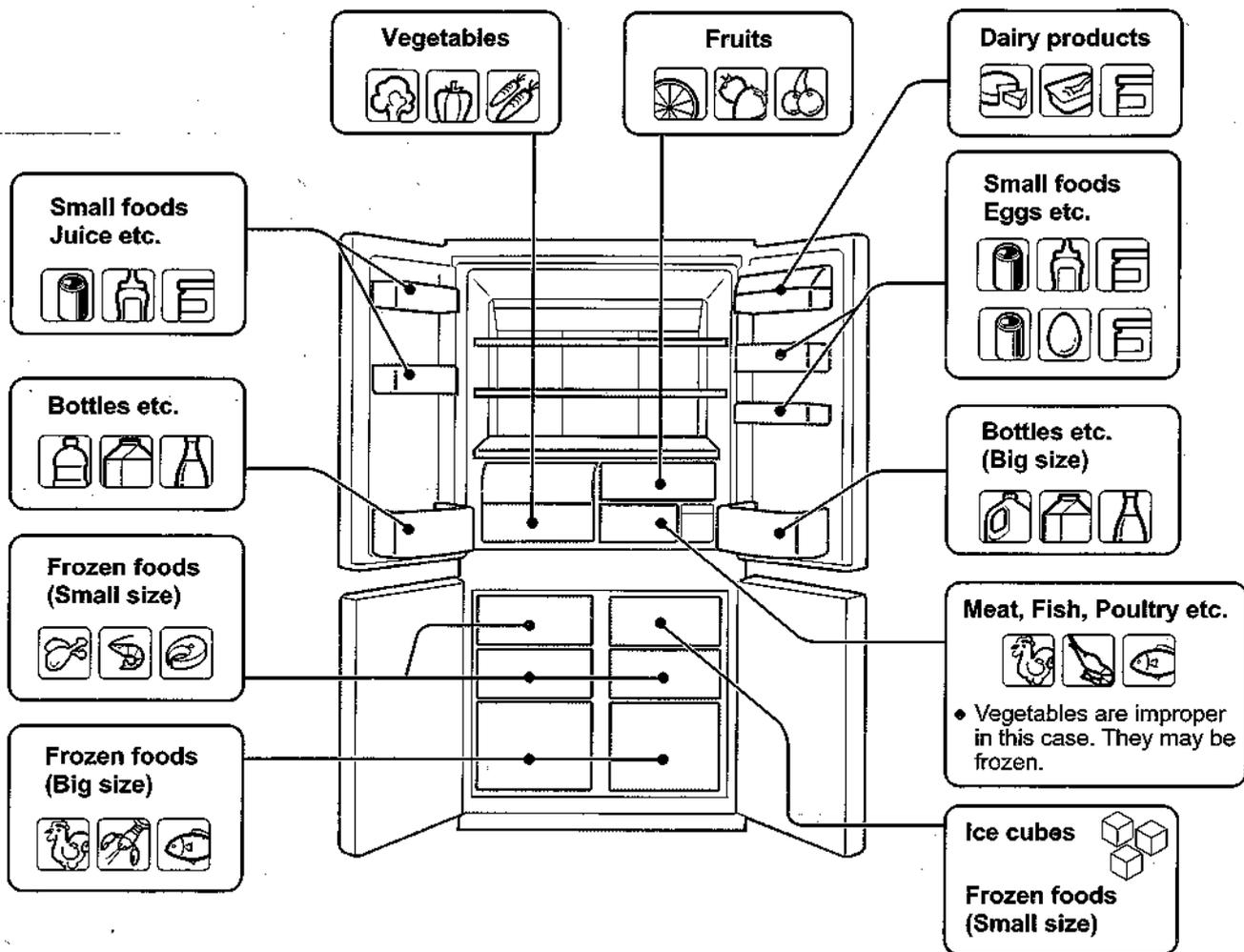
- 5 Finally press the 'Info' button. Empty the water of the ice storage box.

Dry it thoroughly and set it into the original position.

NOTE

Once it completes cleaning, it returns to the ice making operation that it is currently set at.

STORING FOOD



Refrigeration reduces the rate of food spoilage. To maximize the shelf life of perishable foods, ensure that the food is of the freshest possible quality. The following is a general guide to help promote longer food storage.

Fruit / Vegetables

To minimize moisture loss, fruit and vegetables should be loosely enclosed in a plastic material e.g. wrap, bags (do not seal) and place in the vegetable crisper or the fruit case. If you store a lot of vegetables, dew may form. This has no effect on the operation or the performance. Use a dry cloth to remove the dew.

Dairy Products & Eggs

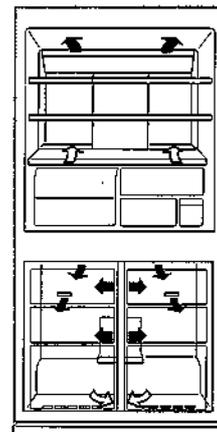
- Most dairy products have a use by date on the outer packaging which informs the recommended temperature and shelf life of the foods.
- Eggs should be stored in the Egg holder.

Meats / Fish / Poultry

- Place on a plate or dish and cover with paper or plastic wrap.
- For larger cuts of meat, fish, or poultry, place to the rear of the shelves.
- Ensure all cooked food is wrapped securely or placed in an airtight container.

NOTE

- Evenly place the food on the shelves to allow the cooling air to circulate efficiently.
- Hot foods should be cooled before storing. Storing hot foods increases the temperature in the unit and increases the risk of food spoilage.
- Do not block the outlet and inlet of the cool air circulating circuit with foods or containers; otherwise the foods will not be evenly cooled throughout the refrigerator.
- Keep the door securely closed.



← IN
→ OUT

Do not place food directly in front of cold air outlet. This may lead to the food freezing.

For best freezing

- Quality of foods should be fresh.
- Freeze small quantities of food at a time to freeze them quickly.
- Food should be properly sealed, sealed tightly or covered.
- Evenly place the food in the freezer.
- Label bags or containers with labels to keep freezing food.

CARE AND CLEANING

WARNING

- Unplug the refrigerator first to prevent electric shock.
- Do not splash water directly on the outer cabinet or the interior. This may lead to rusting and deterioration of the electrical insulation.

IMPORTANT

To prevent cracking on inside surfaces and plastic components, follow these tips.

- Wipe any food oils adhered to plastic components.
- Some household chemicals may cause damage, so use only diluted washing-up liquid (soapy water).
- If undiluted detergent is used or soapy water is not wiped off thoroughly, cracking of plastic parts can result.

- 1 Remove the water tank and clean and dry it thoroughly to prevent water stain or bacteria from being attached. (Once a week)
- 2 Remove the accessories e.g. shelves from the cabinet and door. Wash them in warm soapy dishwashing water; rinse in clean water and dry.
- 3 Clean the inside with a cloth soaked in warm soapy dishwashing water. Then, use cold water to wipe off soapy water.
- 4 Wipe the exterior with a soft cloth each time it is soiled.
- 5 Clean the Magnetic door seal with a toothbrush and warm soapy dishwashing water.
- 6 Wipe the control panel with the dry cloth.

NOTE

- To prevent damage to your refrigerator, do not use heavy duty cleansers or solvents (lacquer, paint, polishing powder, benzene, boiled water, etc.).
- If the power supply is disconnected, please wait for at least 5 minutes before re-connecting power.
- The glass shelves weigh approximately 3 kg each. Hold firmly when removing from the cabinet or carrying.
- Do not drop objects inside the refrigerator or strike the inner wall. This may cause the inner surface to crack.

Defrosting

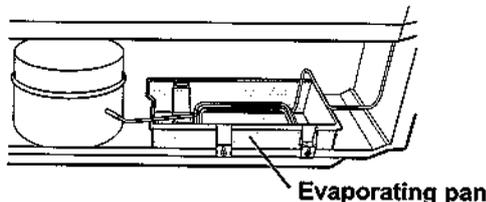
Defrosting is fully automatic due to a unique energy saving system.

When the compartment light is blown

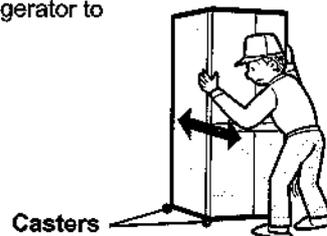
Contact the service agent approved by SHARP to request a replacement compartment light. The compartment light is not to be removed other than by qualified service personnel.

When transporting

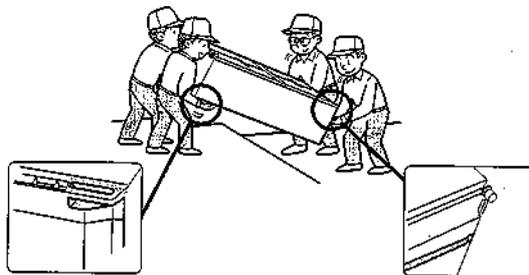
- Before transporting, empty the ice tray by the following procedure.
 - ① Empty the water tank and the ice storage box.
 - ② Set Ice tray cleaning mode. (Refer to "Ice tray cleaning".)
 - ③ About 40sec. later, empty water or ice of ice storage box when you hear the ending sound.
- Wipe up water in the evaporating pan. Before wiping up the water, wait more than 1 hour after pulling out the plug because refrigeration cycle equipment is extremely hot. (The evaporating pan is located on the rear of the product.)



- The casters allow the refrigerator to move back and forth.



- Carry the refrigerator by holding the handles located on the rear and bottom.



Switching off your refrigerator

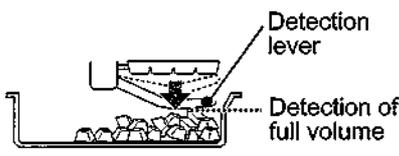
If you switch your refrigerator off when you are going away for an extended period, remove all food, clean the interior thoroughly. Remove the power cord plug from the power socket and leave all doors open.

BEFORE CALLING FOR SERVICE

Before calling for service, check the following points.

Problem	Solution
The outside of the cabinet is hot when touched.	It is normal. The hot pipe is in the cabinet in order to prevent dew generation.
When there is refrigerator noise.	It is normal for the refrigerator to produce the following sounds. <ul style="list-style-type: none"> • Loud noise produced by the compressor when operation starts <ul style="list-style-type: none"> --- Sound becomes quieter after a while. • Loud noise produced once a day by the compressor <ul style="list-style-type: none"> --- Operating sound produced immediately after automatic defrost operation. • Sound of flowing fluid (gurgling sound, fizzing sound) <ul style="list-style-type: none"> --- Sound of refrigerant flowing in pipes (sound may become louder from time to time). • Cracking or crunching sound, squeaking sound <ul style="list-style-type: none"> --- Sound produced by expansion and contraction of inner walls and internal parts during cooling.
Frosting or dew generation occurs inside or outside the refrigerator.	This may occur in one of the following cases. Use a wet cloth for wiping frost and a dry cloth for wiping dew. <ul style="list-style-type: none"> • When the ambient humidity is high. • When the door is frequently opened and closed. • When foods containing plenty of moisture is stored. (Wrapping is required.)
Foods froze in the refrigerator compartment.	<ul style="list-style-type: none"> • Is the refrigerator operated for a long time with refrigerator temp. control set at 0°C? • Is the refrigerator operated for a long time with freezer temp. control set at -21°C? • Low ambient temperatures may cause placed foods to freeze even if the refrigerator temp. control is set to 6°C.
It smells in the compartment.	<ul style="list-style-type: none"> • Wrapping is required for the foods with strong smell. • Deodorizing unit cannot remove all of the smell.
The control panel does not work.	This may occur in one of the following cases. <ul style="list-style-type: none"> • The panel or your finger is soiled with dripping, oil and etc. • When you touch the panel with gloved hand, adhesive bandage on your finger, nail or objects. • Sticker or tape is affixed on the keys. • Touch position is slightly off from the keys. • Operation time is not enough for the keys to work.

ICE MAKING

Problem	Solution
Ice maker is not producing ice.	<ul style="list-style-type: none"> • No water in the water tank. (Ice making process indication will flash.) • Is the water tank set securely? • Have you put the shovel or other food in the ice storage box? • All the ice making mode set at "OFF". • Are the ice cubes piled up at the back of the ice storage box? (Spread out the ice cubes evenly.) • Try the ice tray cleaning. If the ice tray cleaning works properly, leave for a day. You may get ice again. 
Ice cubes are made slow	<ul style="list-style-type: none"> • Has the ice making operation just been restarted? • Is it just after refilling the tank with potable water?
Ice cubes are small, rounded or connected. There are protrusions or holes in ice cubes.	<ul style="list-style-type: none"> • Ice cubes may become small or connected to each other, especially just before or after changing or refilling the tank. • If you store ice cubes for a long time, they may become smaller, rounded, lumped together. • The protrusions you see may come from the slits in the ice tray. • The holes come from air bubbles in ice cubes which may be lumped together and form bigger holes.
Ice cubes have some odor.	<ul style="list-style-type: none"> • Is the water pour in the water tank for a long time or with some odor? • Is there remaining detergent or bleach in the water tank when cleaning the water tank? • If ice cubes has been made for a long time, odors may transfer to the ice cubes.
No water or ice cubes drop even when performing "Ice tray cleaning".	<ul style="list-style-type: none"> • Is the ice storage box full with ice cubes? Have you put the shovel or other food products in the ice storage box? (Empty the ice storage box.) • Is there water in the water tank?

IF YOU STILL REQUIRE SERVICE

Refer to your nearest service agent approved by SHARP.