

Be sure to keep for safety!

■ Read these safety instructions thoroughly and carefully before using. Please keep this user guide at hand for future reference.



Indicates the possibility of danger of death or serious injury

Be sure to unplug from receptacle(outlet/mains)!



Indicates the possibility of risk of personal injury or material damage

Other Signs



DO NOT remove or disassemble!





Be sure to keep and follow!



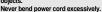
Caution If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

WARNING



Never let the power cord be crushed by the refrigerator itself or other (heavy) objects.

Never bend power cord excessively.



• If the cord is damaged or peeled, it can be a cause of fire and electric shock.



Do not plug several appliances into the same wall outlet (receptacle).

It can be a cause of overheating and/or fire.

Use an exclusive grounding receptacle for the refrigerator.



Never hold the power cord or plug with wet hands.

• There is a risk of electric shock.



Never use a damaged power cord or plug, or loose main socket.

• There is a risk of fire, electric shock or serious



Be sure to ground. Check if your wall outlet is

• There is a risk of electric shock hazards.



Never unplug by pulling only the power cord wire. Always grip the plug firmly.



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Be sure to turn up the wheel first before moving the refrigerator.

●The wheels can damage or scratch the floor. If you move it a long distance, never forget to

fasten the interior parts tightly with tapes.

The parts can collide and break each other.

When moving the refrigerator (horizontally or tilted), more than 2 persons are required to

and likely to slip.

(One to hold top back handles, the other, bottom holder.)

If other parts gripped, it is very dangerous



Installation Guide

*Read these safety instructions carefully before use and follow precautions for your safety.



Precautions in installation and power connection

■To prevent fire, electric shock or leakage

Never install the refrigerator on a wet, watery floor or where water can easily gather.

Check the following before power connection.

- . Connect power plug only to a grounded wall receptacle (an earthed mains).
- Do not plug refrigerator power together with other appliances to a same receptacle(socket).

Do not use an adapter plug or an extension cord.

Do not let power cord be crushed down by other (heavy) objects .

- # If you hear strange noise or strong chemical odour or find smog etc. from the refrigerator after power plugin, pull out the plug immediately and call the service.

- power program program to the programme and can be service.

 What about 5 minutes before you plugin again in order to prevent any damage to the compressor and electrical devices of refrigerator.

 What 2-3 hours until the inside gets cold enough after the first power plugin, then store foods inside.
- (There can be some peculiar smell of plastic parts at initial operation of refrigerator after plugin. The smell fades away as the refrigerator works and doors are opened and closed.)



Precautions in use -

■To prevent personal injury, fire, electric shock etc. read this user guide carefully before use and keep it at hand for any reference.

■Accessories







Control Panel





Optical Sensor in the top center of the panel senses the amount of light surrounding the refrigerator.
When it decides that it is dark (night), Silence Mode starts. Refrigerator works on in minimum operation condition, so it makes little or

less working noise.
[Notice] Do not let the Optical Sensor be covered by memo sheet (Post-it) etc.



It shows that the digital control system is working the refrigerator. (The icon is always on while the refrigerator is working.)



As long as the refrigerator is working deodorization is always on.



Children may push any button on the panel for fun, resulting in disorder of temperature and function of refrigerator. Press this button to lock out this case and to keep temperature and function setting.

Push Lock button again for more than a second



If you fill the refrigerator with much foods or in case of frequent door openings, Speed Mode starts automatically to maintain optimal condition of temperature.



If you need total silence from the refrigerator just

push sleep button.
This mode works for maximum 12 hours and then it returns to the previously set mode. When you want to stop the mode, just push the button again and it also returns to the previously set mode



- ●Interior lights of refrigerator turn off when the doors are open for more than 10 minutes.
 ●In case either freezer or refrigerator door is open for more than a minute, door alarm rings for 5 minutes with 1 minute interval

LCD Background Light

The LCD light turns on in the following case to help you control the panel easily;

- . When the refrigerator is pluged in
- When you push a button (The background light turns on first, then button mode is activated.)
- . When you open the door
- If you push a button when the backlight is off, only the backlight turns on and it does not affect any other button mode.

The LCD light turns off in the following case to save energy consumption;

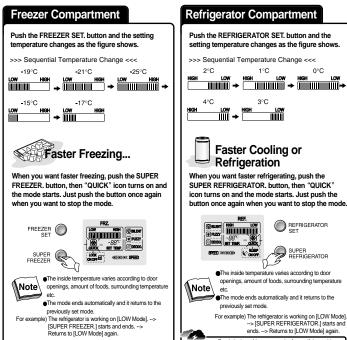
- 1 minute after power plug in 10 seconds after the door is closed
- No other button is pushed for more than 1 minute after button selection

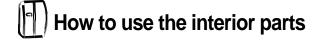
*When you look at LCD display from side or down, not from front, the display (letters, icons and signs) can look faded or dim.



 $\ensuremath{\ensuremath{\%}}$ When this refrigerator is first plugged in, the temperature mode is set to [Middle].







■Vegetable Case & Chilled Case

The first case or drawer of the refrigerator compartment can be used either as a vegetable case or as a chilled case for your convenience.

The temperature in the chilled case is somewhat lower than the vegetable one, so you can keep food more fresh.

For Vegetable Case

For Chilled Case

Chilled Case

Chilled Case

- Chilled Case
 Vegetable Case
- Chilled Case
 Vegetable Case
- ■Se sure to check the handle bar direction
- If you store vegetables and fruits in the chilled room mode, they can be frozen.
- If you store fish in the chilled room mode for a long time, it can deteriorate. Store it in the freezer compartment.
- Do not place foods close to the cold air spout, for it can weaken cold air circulation.

■Ice Cubes Maker



Keep in mind not to go beyond the water line with an arrow mark when filling with water. When ice cubes are ready, turn the handle clockwise to separate.

If ice cubes are not to fall easily, turn it to the end several times.

Do not turn the separation handle if the ice cubes are not ready, for they

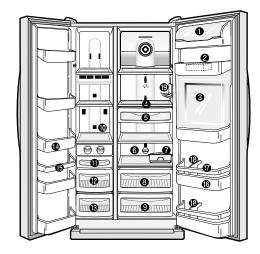
gets sticky on the ice tray and case

On not use ice cubes case to make big ice block, for it can be broken. Pull out the case, clean and dry it if not used (for a long time).

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Foods in the refrigerator can be frozen if the ambient temperature of the refrigerator is below 5 %

■Interior Parts





- Small Pocket
 - For storing small packed foods

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- Refreshment Pocket
 (Refreshment Pocket Models Only)
 For frequently used cans, drink water, beverages
- () Switch Handle for Chilled Room or Vegetable

♠ Refrigerator Shelf (tempered glass) For storng common foods



- Chilled Case For storing foods temporarily that are ready to cook (meat, fish...)



- Caution
- Do not touch or hold with wet hands foods (foods container) in the freezer compartment. There is a risk of chilblains (cold burn)
- Do not store medicine, academic research samples etc. in the refrigerator.
 Do not store vegetables in the chilled room, for they can be frozen.



Note \ ●Egg case can be placed on a refrigerator shelf as you like.

Movable Egg Case

Place the case for your convenience.
(Do not use the case for storing ice cubes nor place in the freezer

- Vegetable Case & Chilled Case
- Refer to page 7. **9 Fruit Case** For storing fruits



(h) Freezer Shelf (tempered glass) For storing frozen foods such as meat, fish ice-cream...



(i) Ice cubes maker & Ice cubes case

when the ice cubes are ready, turn the handle clockwise to separate.

repage 7.



Drying Case of Freezer for storing dried foods for so long (dried squid, dried anchovy etc.)

Meat case of Freezer





for storing frozen foods (Do not store ice cream or long stored foods on the top freezer

- (i) Freezer Small Pocket for storing small frozen foods
- (Refrigerator Pocket

for storing refrigerating foods, milk, juice, beer bottle etc.

- Refrigerator Pocket Guide
- nt (tall) foods on the pocket from falling Bottle Guide
- to retain tall bottles from sliding and falling
- Wine Bottle Support

Food Storage Tips



Wash foods before storing.



smaller pieces as possible.



Place watery foods or foods with much moisture in front of shelves (close to door side). alf they are placed close to the cold





Warm or hot foods should be cooled down enough before storing to reduce power consumption and to enhance refrigeration performance.



Be careful in storing such tropica fruit as bananas, pineapples, tomatos, for they can easily be deteriorate in lower temperature

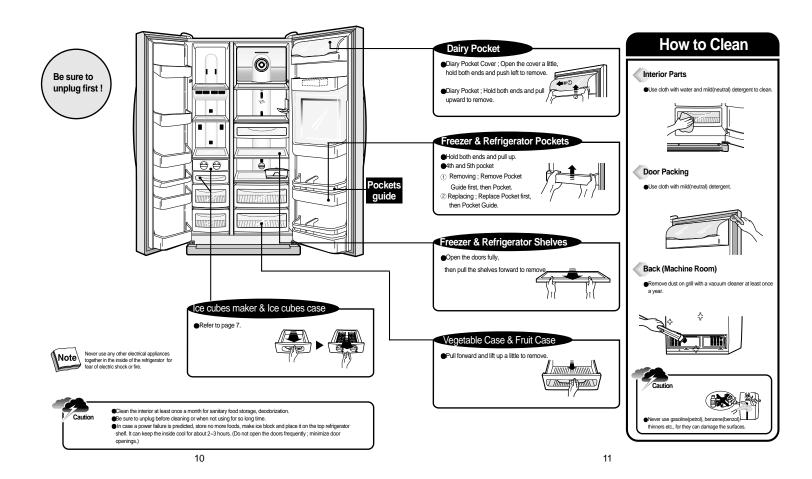


Keep enough space between the foods as possible. If too tight or too close, cold air circulation is hindered, resulting in poor

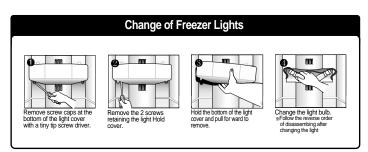


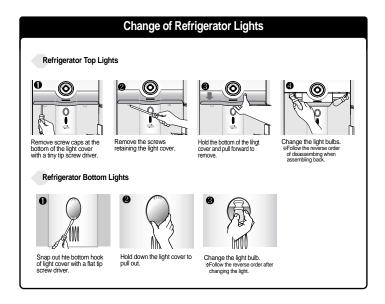
Never forget to cover or wrap foods to prevent odour of foods.

Care & Cleaning

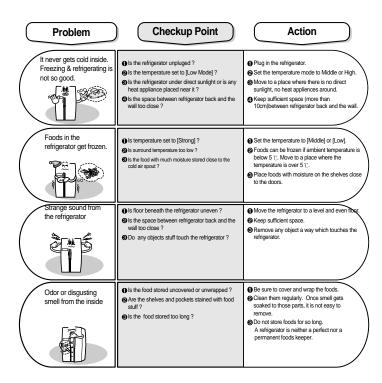




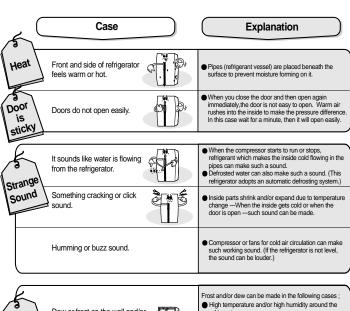


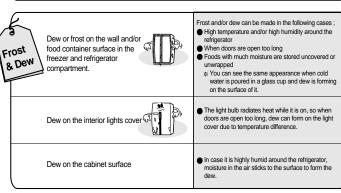






Something strange? Don't worry. Here is the answer.

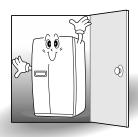




Installation Preparation

Check if the refrigerator can pass a doorway or enter a door first.

	Dimensions(including Door Handles)
FRS-23****	(Width*Depth*Height) 928mm × 816mm × 1808mm
FRS-28****	(Width*Depth*Height) 928mm × 896mm × 1808mm



Find a suitable place to install.

Sufficient space from refrigerator back to the wall for free air ventilation

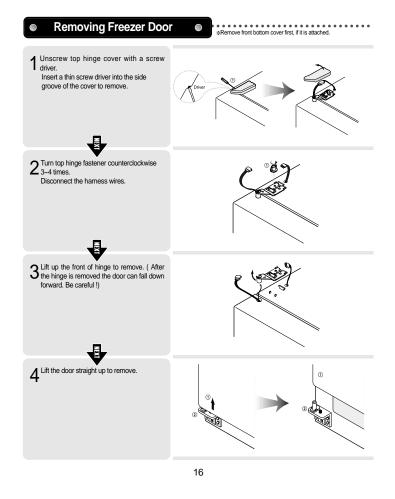


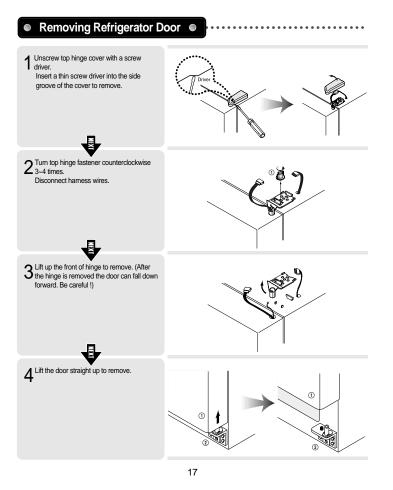


Note

Once the installation place is ready follow the installation instructions.
If surround temperature of refrigerator is low (below 5℃), foods can be frozen or the refrigerator can work in abnormal way.

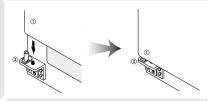
If the refrigerator can not enter the door, follow these steps.





Replacing Freezer Door

1 Insert the bottom hole of freezer door straight to the bottom hinge pin.

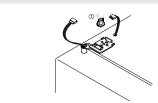


2 Let the top of door close to the cabinet and insert the top hinge pin to the top hole of freezer door.

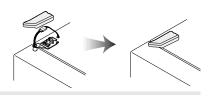
(Insert the back of hinge to the groove of protrusion first, then front to the top hole of door.)



Turn the hinge fastener tightly to the end.
Connect harness wirings and screw ground



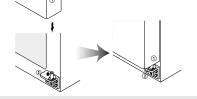
4 Click and screw the top hinge cover.



Replacing Refrigerator Door



1 Insert the bottom hole of refrigerator door straight to the bottom hinge pin.



2 Let the top of door close to the cabinet and insert the top hinge pin to the top hole of freezer door.

(Insert the back of hinge to the groove of protrusion first, then front to the top hole of door.)



Turn the hinge fastener tightly to the end. Connect harness wirings and screw ground wire.

Click and screw the top hinge cover.







Refrigerator Leveling & Door Adjustment (If needed.)

Refrigerator must be level in order to maintain optimal performance and desirable front appearance. (If the floor beneath the refrigerator is uneven, freezer and refrigerator doors look unbalanced.)

In case freezer door is lower than refrigerator door...



Insert a screw driver (flat tip) into a groove of the left wheel (bottom of freezer) and turn it clockwise until the door is balanced. (clockwise to raise freezer door; counterclockwise to lower)



In case refrigerator door is lower than freezer door...



Insert a screw driver (flat tip) into a groove of the right wheel (bottom of refrigerator) and turn it clockwise until the door is balanced. (clockwise to raise refrigerator door; counterclockwise to lower)



Front Cover

After installation and/or door leveling, fasten front cover with screws. (Remove the screws on the front bottom panel first. Click and screw the cover)



 The front of refrigerator needs to be higher just a little than the back for easy door closing, but if the wheel is raised too much for door balance, i.e. front of refrigerator is too higher than the back, it can be difficult to open the door.



USER **GUIDE**



CFC-Free

- FRS-231IAL
- FRS-231EAL
- FRS-231WAL
- FRS-281IAL
- FRS-281EAL
- FRS-281WAL
- FRS-233IALFRS-233EAL
- FRS-233WAL
- FRS-283IAL
- FRS-283EAL
- FRS-283WAL

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Read this user guide thoroughly and carefully before using for your safety and optimal performance of refrigerator.

Code: S201-15-3

Side by Side Refrigerator