Refrigerator
user manual

English

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ENERGY STAR

SAMSUNG

Free Standing Appliance

Safety Information

SAFETY INFORMATION

Before using your new Samsung Side-by-side door Refrigerator, please read this manual thoroughly to ensure that you know how to operate the features and functions that your new appliance offers safely and efficiently.

This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or those who lack experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

Because the following instructions cover various models, the characteristics of your refrigerator may differ slightly from the refrigerator described in this manual. If you have any question, contact us at 1-800-SAMSUNG or find help and information online at www.samsung.com.

Important safety symbols and precautions:

⚠️ WARNING	Hazards or unsafe practices that may result in severe personal injury or death.
⚠️ CAUTION	Hazards or unsafe practices that may result in minor personal injury or property damage.

🚫	Do NOT attempt.
⚒️	Do NOT disassemble.
✋	Do NOT touch.
★	Follow directions carefully.
⤵	Unplug the power plug from the wall socket.
⏚	Make sure the refrigerator is grounded to prevent electric shock.
☎	Call the contact center for help.
📝	Note.

These warning signs are here to prevent injury to you and others.
Please follow them carefully.

After reading this section, keep it in a safe place for future reference.

⚠️ WARNING SEVERE WARNING SIGNS FOR INSTALLATION

- 🚫 Do not install the refrigerator in a damp place or place where it may come in contact with water.
- Deteriorated insulation of electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliance.
- Do not plug several appliances into the same multiple power strip. The refrigerator should always be plugged into its own individual electrical outlet which has a voltage rating that matches the voltage listed on the refrigerator's rating plate.
- This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.
- If the wall socket is loose, do not insert the power plug.
- There is a risk of electric shock of fire.
- Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- Do not bend the power cord excessively or place heavy articles on it.
- Never unplug your refrigerator by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.
- Damage to the cord may cause a short-circuit, fire and/or electric shock.
- Do not use aerosols near the refrigerator.
- Aerosols used near the refrigerator may cause an explosion or fire.

- ★ This refrigerator must be properly installed and located in accordance with the manual before it is used.
- Connect the power plug in proper position with the cord hanging down.
- If you connect the power plug upside down, the wire can get cut off and cause a fire or electric shock.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
- This constitutes a fire hazard.

- Make sure that the power plug is not squashed or damaged by the back of the refrigerator.
- Keep the packing materials out of reach of children.
  - There is a risk of death from suffocation if a child puts the packing materials on his or her head.
- The appliance must be positioned so that the plug is accessible after installation.
- You need to remove all the protective plastic film before you initially plug the product in.

- The refrigerator must be safely grounded
  - Always make sure that you have grounded the refrigerator before attempting to investigate or repair any part of the appliance. Power leakages can cause severe electric shock.
- Never use gas pipes, telephone lines or other potential lightning attractors as an electrical ground.
  - Improper use of the grounding plug can result in a risk of electric shock. If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord should be AC115-120 V, 10 A, or more. If a grounding adapter is used, make sure the receptacle box is fully grounded.
- If the power cord is damaged, have it replaced immediately by the manufacturer or its service agent.

⚠ CAUTION SIGNS FOR INSTALLATION
CAUTION

- Allow sufficient space to install the refrigerator on a flat surface.
  - If your refrigerator is not level, the internal cooling system may not work correctly.
- Keep the ventilation space in the appliance enclosure or mounting structure clear of obstruction.
- Allow the appliance to stand for 2 hours after installation.

⚠ SEVERE WARNING SIGNS FOR USING
WARNING

- Do not insert the power plug with wet hands.
- Do not store articles on the top of the appliance.

- When you open or close the door, the articles may fall and cause personal injury and/or material damage.
- Do not put a container filled with water on the refrigerator.
  - If spilled, there is a risk of fire or electric shock.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not let children hang on the door. A serious injury may occur.
- Do not let children enter inside of the refrigerator. There is a risk of children entrapment.
- Do not insert your hands into the bottom area under the appliance.
  - Any sharp edges may cause personal injury.
- Do not let children step on a drawer's cover.
  - The drawer may break and cause them to slip.
- Do not overfill the refrigerator with food.
  - When you open the door, an item may fall out and cause personal injury or material damage.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
  - This may cause frostbite.
- Never put fingers or other objects into the water dispenser hole, ice chute, or ice maker bucket.
  - It may cause personal injury or material damage.
- Do not spray flammable gas near the refrigerator.
  - There is a risk of explosion or fire.
- Do not store volatile or flammable substances in the refrigerator.
  - The storage of benzene, thinner, alcohol, ether, LP gas and other such products may cause explosions.
- Do not store pharmaceuticals products, scientific materials, or temperature sensitive products in the refrigerator.
  - Products that require strict temperature controls must not be stored in the refrigerator.
- Do not place or use an electrical appliance inside the refrigerator, unless it is of a type recommended by the manufacturer.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.

- Do not disassemble or repair the refrigerator by yourself.
  - You run risk of causing a fire, malfunction and/or personal injury.
  - When the interior or exterior LED lamp has gone out, please contact your service agents.

- Children should be supervised to ensure that they do not play with the appliance.
- Bottles should be stored tightly together so that they do not fall out.
- This product is intended only for the storage of food in a domestic environment.
- If a gas leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
- Use only the LED Lamps provided by manufacturer or service agents.

- If there are burning smells or smoke, pull out power plug immediately and contact your Samsung Electronics service center.
- If you experience difficulty when changing the light, contact a service agent.
- If the product is equipped with LED Lamps, do not disassemble the Lamp Cover and LED Lamp by yourself.
- Please contact your service agents.
- If any dust or water is in refrigerator, pull out the power plug and contact your Samsung Electronics service center.
- Otherwise there is a risk of fire.

CAUTION CAUTION SIGNS FOR USING

- Do not re-freeze frozen foods that have thawed completely. Do not place carbonated or fizzy drinks in the freezer compartment. Do not put bottles or glass containers in the freezer.
- When the contents freeze, the glass may break and cause personal injury.
  - Service warranty and Modification.
  - Any changes or modifications performed by a 3rd party on this finished appliance are not covered under Samsung warranty service, nor can Samsung be responsible for safety issues that result from 3rd party modifications.
- Do not block air holes.
- If the air holes are blocked, especially with a plastic bag, the refrigerator can be over cooled. If this cooling period lasts too long, the water filter may break and cause water leakage.
- If the refrigerator is disconnected from the power supply, you should wait for at least five minutes before plugging it back.

- If you have a long vacation planned or the refrigerator is not to be used for a long period of time, you must empty the refrigerator and pull out the power plug.
- Letting the refrigerator run for a long time without using it can cause the insulation to deriorate and may cause a fire.
- Wipe excess moisture from the inside and leave the doors open. Otherwise, odor and mold may develop.
- To get the best performance from the product:
- Do not place foods too close to the vents at the rear of the appliance as it can obstruct free air circulation in the refrigerator compartment.
- Wrap food up properly or place it in airtight containers before putting it into the refrigerator.
- Fill the water tank, ice tray, and water cubes only with potable water.

- If the product is flooded, make sure to contact your nearest service center.
- There is a risk of electric shock or fire.

CAUTION CAUTION SIGNS FOR CLEANING

- Do not directly spray water on the inside or outside the refrigerator.
- There is a risk of fire or electric shock.

- Remove any foreign matter or dust from the power plug pins. Do not use a wet or damp cloth when cleaning the plug.
- Otherwise, there is a risk of fire or electric shock.

- Unplug the refrigerator before cleaning or making repairs.

WARNING SEVERE WARNING SIGNS FOR DISPOSAL

- Risk of child entrapment. Before you throw away your old refrigerator or freezer:
- Take off the doors.
- Leave the shelves in place so that children can not easily climb inside.
- Please dispose of the packaging material from this product in an environmentally friendly manner.
- Leave the shelves in place so that children can not easily climb inside. Ensure that none of the pipes on the back of the appliance are damaged prior to

disposal.
- When disposing of this refrigerator, remove the door/door seals and door latch so that small children or animals cannot become trapped inside. Children should be supervised to ensure that they do not play with the appliance.
- Cyclopentane is used as in the insulation. The gases in the insulation material require a special disposal procedure. Please contact your local authorities in regard to the environmentally safe disposal of this product. Ensure that none of the pipes on the back of the refrigerator are damaged prior to disposal.

contents

setting up your side-by-side refrigerator

GETTING READY TO INSTALL THE REFRIGERATOR

Congratulations on the purchase of your Samsung Side-By-Side Refrigerator. We hope you will enjoy the many state-of-the-art features and efficiencies that this new appliance has to offer.

### Selecting the best location for the refrigerator

- Select a location with easy access to the water supply.
- Select a location without direct exposure to sunlight.
- Select a location with level (or nearly level) flooring.
- Select a location with enough space for the refrigerator doors to open easily.
- Refer to drawing and dimensions below for overall space required for use.
- Please ensure that appliance can be moved freely in the event of maintenance & service.


at least ¼"   at least ¼"
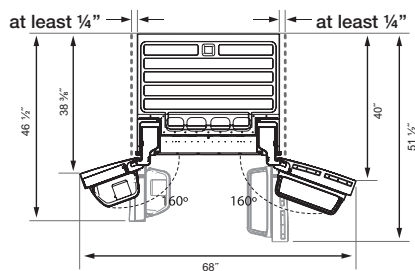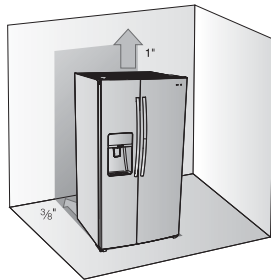
When moving your refrigerator

To prevent floor damage, be sure the front levelling legs are in the up position (above the floor). Refer to 'Levelling the refrigerator' in the manual(page 12).

To protect the finish of the flooring, place a protection sheet, such as packing carton under the refrigerator.

Leg   Screw Driver
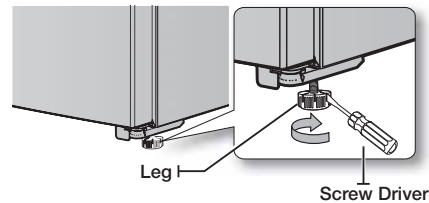
⚠ CAUTION When installing, servicing or cleaning behind the refrigerator, be sure to pull the unit straight out and push back in straight after finishing.
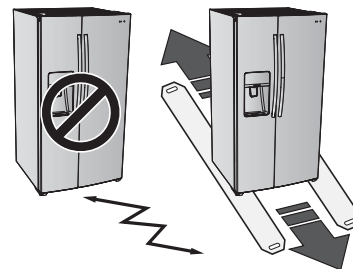

SETTING UP THE REFRIGERATOR

Now that you have your new Refrigerator installed in place, you are ready to set up and enjoy the features and functions of the appliance. By completing the following steps, your Refrigerator should be fully operational. If not, first check the power supply and electricity source or try the troubleshooting section at the back of this user's guide. If you have any further questions, contact your Samsung Electronics service center.

1. Place the Refrigerator in an appropriate location with reasonable clearance between the wall and the Refrigerator. Refer to installation instructions in this manual.
2. Once the Refrigerator is plugged in, make sure the interior light comes on when you open the doors.
3. Set the Temperature control to the coldest temperature and wait for an hour. The Freezer will get slightly chilled and the motor will run smoothly.
4. After powering the Refrigerator, it will take a few hours to reach the appropriate temperature. You can store food and drinks in the Refrigerator after the temperature is sufficiently cool.
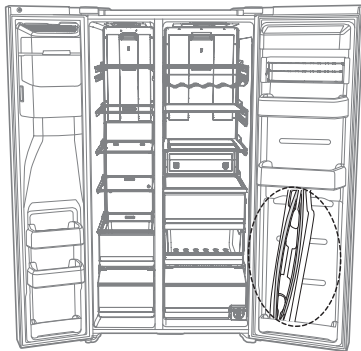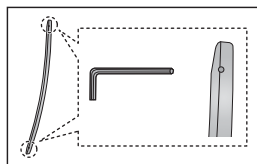
Check the accessory list below.
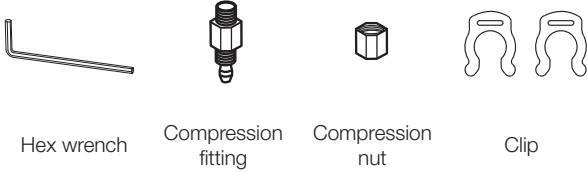
| Hex wrench | Compression fitting | Compression nut | Clip |

Installing the handles

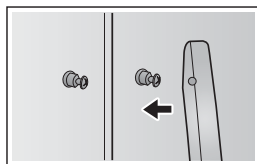1. Take the handles out from the right side door. The handles are included in the package.

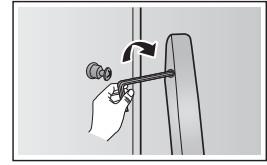2. Check the handle and prepare the contained hax wrench.

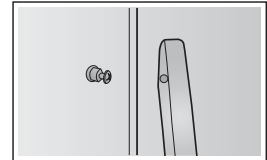3. Attached the Handle to a Bracket Handle.

⚠ **CAUTION** When assembling the handle, Check the serew-Hole direction.

4. Attached the Set Screw to a Wrench-Spanner.

5. Using a wrench, screw by turning a screw clockwise. And assemble the Handle.
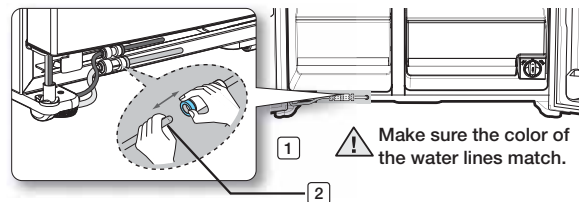

SETTING UP THE REFRIGERATOR DOORS

if your entrance won't allow the refrigerator to pass easily through it, you can remove the doors.

Separating the Water Supply Line from the Refrigerator

1. Remove two water lines (red one is for ice and the other one is for water) by pressing the coupler [1] and pulling the water line [2] away.

⚠ Make sure the color of the water lines match.
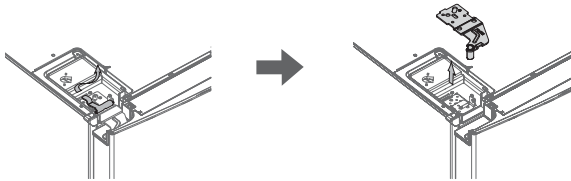
Removing the freezer door

A few things to mention first.
- Make sure that you lift the door straight up so the hinges are not bent or broken.
- Be careful not to pinch the water tubing and wire harness on the door.
- Place doors on a protected surface to prevent scratching or damage.

1. With the Freezer door closed, remove the upper hinge cover 1 using a screwdriver, and then disconnect the wires by gently pulling them apart 2.
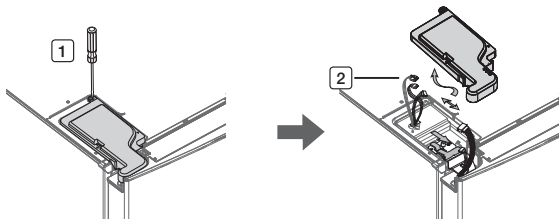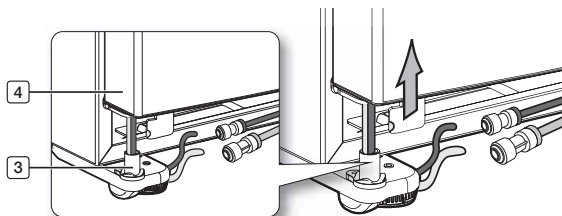
2. Removing the FIXER HINGE ,and next take off the upper hinge. Be careful that the door does not fall on you as you are removing it.

⚠ Be sure to keep track of all parts you are removing.

3. Next, remove the door from the lower hinge 3 by carefully lifting the door straight up 4.

⚠ Be careful not to pinch the water tubing and wire harness on the door.

Reattaching the freezer doors

To reattach the freezer doors, replace parts in reverse order

Reattaching the Water Supply Line
1. The Water Line must be fully inserted to the marked line to prevent water leakage from the dispenser.
2. Insert the 2 clips in the install pack and check that each clip holds the line firmly.

Line   Coupler   Line   Coupler

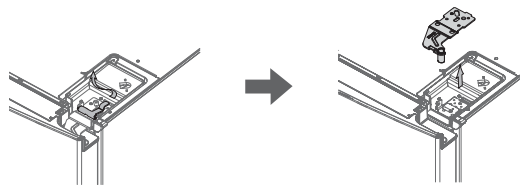clip A (¼")   Coupler   clip A (¼")   Coupler
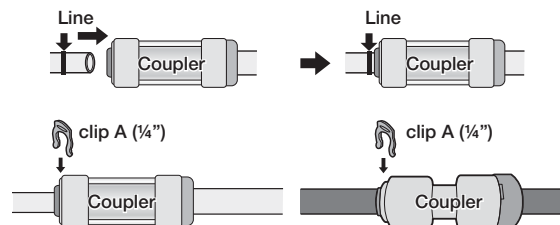
📝 Do not cut the water line. Gently separate it from the coupler.

Removing the Fridge Door
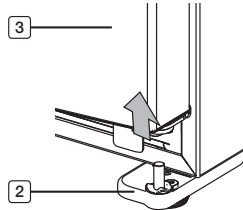1. With the door closed, remove the upper hinge cover 1 using a screwdriver.
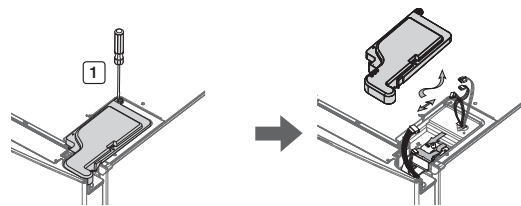
2. Removing the FIXER HINGE ,and next take off the upper hinge. Be careful that the door does not fall on you as you are removing it.

⚠ Be sure to keep track of all parts you are removing.

3. Remove the door from the lower hinge ⌞2⌟ by lifting the door straight up ⌞3⌟.

Reattaching the Fridge door

⚠ To reattach the fridge doors, replace parts in reverse order.

LEVELLING THE REFRIGERATOR

now that the doors are back on the refrigerator, you want to make sure the refrigerator is level so that you can make final adjustments. If the refrigerator is not level, it will not be possible to get the doors perfectly even.

When the Freezer part is lower than the Fridge part.

Insert a flat-blade screwdriver into a slot on the Freezer Leg, then turn it clockwise.

When the Fridge part is lower than the Freezer part.

Insert a flat-blade screwdriver into a slot on the Fridge Leg, then turn it clockwise.

Screw Driver   Freezer Leg

Fridge Leg   Screw Driver
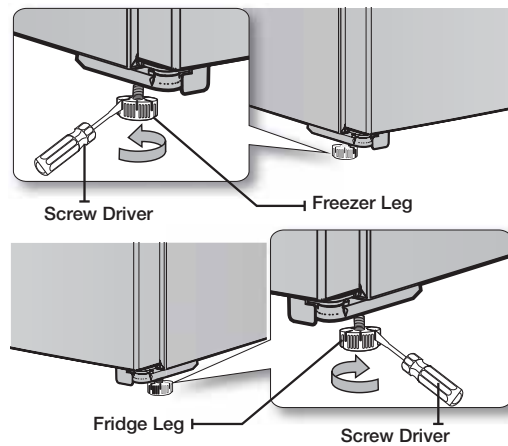
📝 Refer to the next section for the best way to make very minor adjustments to the doors.

CHECKING THE WATER DISPENSER LINE

a water dispenser is one of the helpful features on your new Samsung Refrigerator. To help promote better health, the Samsung water filter removes unwanted particles from your water. However, it does not sterilize or destroy microorganisms. You may need to purchase a water purifying system to do that.

In order for the ice maker to operate properly, a water pressure of 20~125 psi (pound per square inch) is required. Under normal conditions, a 170 cc (5.75 oz.) paper cup can be filled in 10 seconds.

If the Refrigerator is installed in an area with low water pressure (below 20psi), you can install a booster pump to compensate for the low pressure.

Make sure the water storage tank inside the Refrigerator is properly filled. To do this, press the water dispenser lever until the water runs from the water outlet.

> Water line installation kits are available at extra cost from your dealer. We recommend using a water supply kit that contains copper tubing.

Connecting to the water supply line

1. First, shut off the main water supply line and turn the ice-maker off.
2. Locate the nearest cold, drinking water line.
3. After connecting the water supply with water filter, turn on water supply and Flush 3 gallons through filter before use (flush approximately 6 minutes).
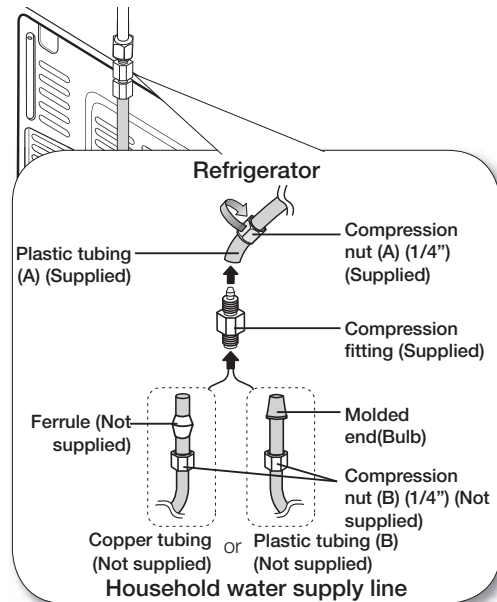

Cold water line
Water line installation kit
Pipe clamp
Shut off valve
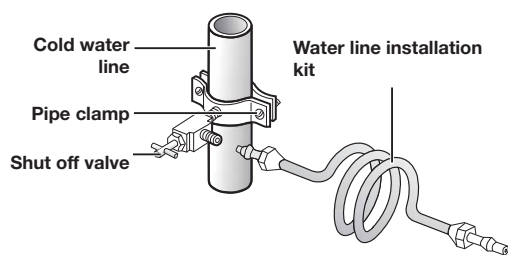
INSTALLING THE WATER LINE

Connecting the water line to the Refrigerator.

There are several items that you need to purchase to complete this connection. You may find these items sold as a kit at your local hardware store.

• 1/4" compression nut	• plastic tubing
• copper tubing	• ferrule

Refrigerator

Plastic tubing (A) (Supplied)

Compression nut (A) (1/4") (Supplied)

Compression fitting (Supplied)

Ferrule (Not supplied)

Molded end(Bulb)

Compression nut (B) (1/4") (Not supplied)

Copper tubing (Not supplied) or Plastic tubing (B) (Not supplied)

Household water supply line

1. Slip the compression nut **(A)** through the supplied plastic tubing **(A)**.
2. Tighten the compression nut **(A)** onto the 1/4" compression fitting.
-   If you are using copper tubing, slip the compression nut **(B)** (not included) and ferrule (not included) on copper tubing (not included) as shown.
-   If you are using plastic tubing **(B)**, insert the molded end(Bulb) of the plastic tubing **(B)** into the compression fitting.

> ⚠ **CAUTION** Do not use without the molded end(Bulb) of the plastic tubing **(B)**.

3. Tighten the compression nut **(B)** onto the compression fitting. Do not over-tighten the compression nut **(B)**.
4. Turn water on and check for any leakage.

> Only connect the water line to a drinkable water source.
>
> If you have to repair or disassemble the water line, cut off 1/4" of the plastic tubing to make sure you get a snug, leak-free connection.

BEFORE USING ICEMAKER

remove

- Hold the handle as shown in figure1.
- Slightly pull up the bottom part.
- Take out the ice bucket slowly.

Install

- Assemble it in the reverse order of disassembly.
- Push the bucket in firmly until you hear a clicking sound.
- When the bucket does not fit into its place, turn the gear handle on its back by 90 degrees and reinstall it again as shown in figure 2.
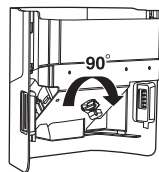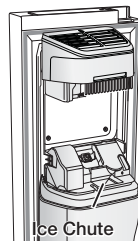
Figure 1

Figure 2

Before calling service

- Any sounds you hear when the ice maker dumps ice into the bucket are part of normal operation.
- Not dispensing ice for long periods may cause ice clumps in the ice bucket. Remove the remaining ice and empty the bucket.
- When ice does not come out, check the ice stuck in the chute and remove it.

Ice Chute

⚠ **CAUTION**
- When Ice Off blinks on the display panel, reinsert the bucket and/or make sure it's installed properly.
- When the door is open, the Ice and water dispenser do not work.
- If you close the door hard, it may cause water spilling over the ice maker.
- To prevent dropping the ice bucket, use both hands when removing it.
- To prevent injury, be sure to clean up any ice or water that may have   dropped on the floor.
- Do not let the children hang on the ice dispenser or on the bucket. They may get hurt.
- Be sure not to put your hand or any object into the ice chute. It may cause personal injury or damage mechanical parts.

Removing residual matter inside the water supply line after installing filter.

1. Turn ON the main water supply.

2. Press the Water button and push the Dispenser Lever.
3. Flush 1 gallons of water through the filter before use. (Flush approximately 6 minutes.) This will clean the water supply system and remove air from the lines.
4. Additional flushing may be required in some households.
5. Open the refrigerator door and make sure there are no water leaks coming from the water filter.
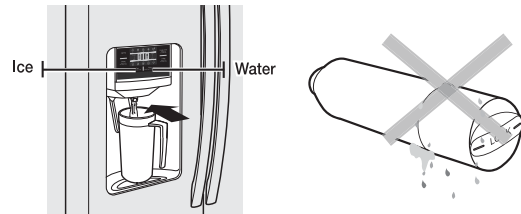
Ice   Water

📝 A newly installed water filter cartridge may cause water to briefly spurt from the water dispenser. This is due to air getting into the line. It should pose no problem to operation.

Check the amount of water supplied to the ice tray.

1. Lift up the icemaker cover and gently pull it out.
2. When you press the Test button for 3 seconds, the ice cube container is filled with water from the water supply tap. Check to make sure the amount of water is correct (see the illustration below). If the water level is too low, the ice cubes will be small. This is a water pressure problem from within the main water pipes, not the refrigerator.

Ice maker   Test button   Check the water level
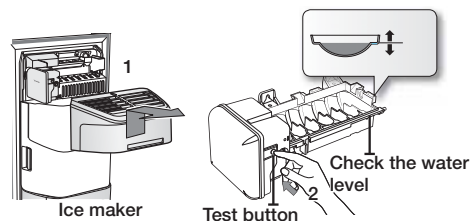
⚠ **CAUTION**
- It will take a few minutes to reach the amount of water you want.
- Do not press the test button continuously when the tray is filled with ice or water. Water may overflow or ice jamming may occur.
- When the bucket is not installed, the ice maker does not work.
- When "Ice maker will not work when the ice bucket is not installed" message appears on the display panel, reinsert the bucket and/or make sure it's installed properly.

setting up _**11**

operating your side-by-side refrigerator

COMMON RESTRICTIONS AND PRECAUTIONS

1. English is a default language for the Display and languages not being supported may not displayed on the screen.
2. For the periodic updates of Weather or News, it may cause network traffics when the Display is not being used.
3. When there are softwares newly updated by Samsung, they will be automatically updated and it will be informed to the User.
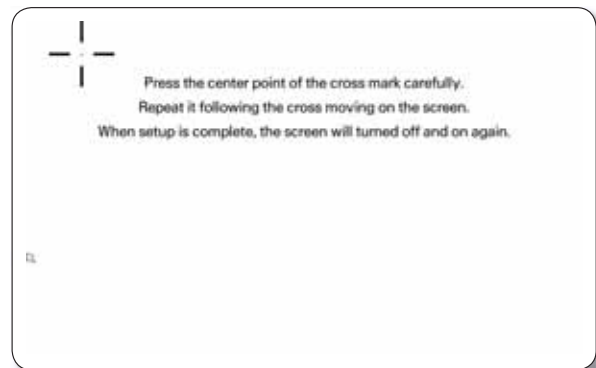
DIGITAL PANEL

CPU	Marvel Aspen CPU(ARM)	OS	Linux 2.6.28
RAM	256MB	LCD	8" TFT-LCD(800*480)
ROM	512MB	NETWORKS	IEEE802.11 b/g

USING FIRST TIME

• When using the product first time after the installation, the following touch panel calibration screen appears on the Display Panel. According to the procedure appeared on the screen, tap on the center of the cross accurately. If the center is not properly pointed, the cross mark appears repeatedly.

  After completing the touch screen calibration, its Home Screen will appear on the Display Panel. The touch panel calibration screen may appear again after the software update being completed.


Press the center point of the cross mark carefully.
Repeat it following the cross moving on the screen.
When setup is complete, the screen will turned off and on again.

HOME SCREEN

• The Home screen is the starting point of setting all functions. Also, when the 🏠 icon is selected at all menus, it moves to the Home screen right away. On the center of the Home screen, the basic refrigerator information such as Time / Weather / Temperature / Dispenser Selection will show. The indicator icons at the left top of the Screen shows various information of the fridge and the bottom menus are the gates to each function.

Indicator Icons (At the left-top of the Screen)

1   2   3   4   5   6   7   8   9   10
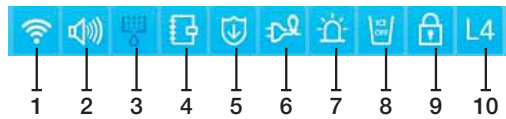
1. Network Signal Strength : 5 Level (off - 1 - 2 - 3 - 4)
2. Volume Level : 5 Level (off - 1 - 2 - 3 - 4)
3. Filter Status : 3 Level (blue - pink - red)
4. Schedule Alarm
5. S/W Update Notice
6. Energy Saver
7. Door Alarm
8. Ice Off
9. Dispenser Lock
10. Smart Grid-Level

Date/Time, Freezer/fridge temperature, Dispenser selection, Current weather(At the center of the Screen)

<Wireless network connected>   <Wireless network disconnected>

1. Date/Time : Indicates the current date and time.
2. Freezer/Fridge temperature : It shows the current freezer/fridge temperature. When the freezer/fridge temperature is pressed, the temperature setting screen will be displayed.
3. Dispenser : It shows the current status of the dispenser. When the current status of the dispenser is pressed, the ice type selection screen will be displayed.
4. Weather : indicates the current weather. The Home screen background image changes in 8 modes based on the current weather and time. (Clear, Cloudy, Snow, Rain) x (Day, Night)

Menu Description (At the bottom of the Screen)

1. Memo : You can save or check necessary memos.
2. Photos : You can manage the stored photos, and can bring photos from the external devices such as memory cards or mobile phones and from the Internet.
3. Epicurious : It shows the food recipe.
4. Calendar : You can check your schedule stored in the Google Calendar.
5. WeatherBug : It shows the current weather and weather forecast.
6. AP News : It shows the internet news.
7. Pandora : It plays the Internet radio.
8. Twitter : It shows the twitter messages.
9. Settings : You can set the Various settings

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SETTING THE FREEZER/FRIDGE TEMPERATURE

The temperature control allows you to set the freezer and the fridge temperatures. Use the following instructions to change and set these temperatures.

1. Touch the Freezer/Fridge temperature on the Home screen.

- When ice cream is stored at a temperature above 4°F (-16°C) in the freezer, it may melt.
- [icon] : You can set the dispenser type.(Cubed/Crushed/Water)
- [icon] : You can move the home screen.
- [icon] : You can move the preview screen.

2. Choose the desired freezer and/or fridge temperatures using the temperature buttons; then touch the Save button.

- The freezer/fridge temperature can be set as follows based on models.

Freezer : Fahrenheit : -10°F ~ 8°F(Default: -4°F), Celsius : -23°C ~ -14°C(Default: -20°C)
Fridge : Fahrenheit : 34°F ~ 46°F(Default: 38°F), Celsius : 1°C ~ 7°C(Default: 3°C)

- The freezer or fridge temperature may change depending on the door opening/closing frequencies, the food quantity, the ambient temperature, etc.
- Temperatures vary at each food storage section in the freezer and refrigerator compartments.
- When the room temperature increases, there can be an "Abnormally High Temperature" pop-up. In this case, when the Freezer and the Fridge temperatures become normal, the pop-up will be automatically cancelled. But, when the pop-up is not cancelled after a long operation time, please contact your nearest repair center.

SETTING THE POWER FREEZE/POWER COOL

The Power Freeze and Power Cool functions can be used to quickly lower the temperature of the freezer and fridge compartments. Use the following instructions to activate these functions.

1. Touch the Freezer/Fridge temperature on the Home screen.

2. Touch the Power Freeze and/or Power Cool button(s); then touch the Save button.

- To cancel the Power Freeze and the Power Cool, press the [Power Freeze] or the [Power Cool] button again or select a Temperature Setting button.
- Energy consumption increases during Power Freeze and/or Power Cool usage.
- When the question icon (?) is selected, its function description screen pops up. And, the [OK] button is selected on the popup screen, it goes back to the Temperature Display Screen.
- When you turn on Power Freeze/Power Cool, the refrigerator's compressor speeds up and is louder than during normal operation.

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SETTING THE DISPENSER

You can select the ice type, water and ice off.

1. Touch the dispenser status on the Home screen.

2. Touch the desired dispenser type; then touch the OK button.

- Touch the Ice Off, if you don't want to make more ice.
- When the Ice Off is set, the Ice Off indicator icon ( ) appears on the left top of the Home screen.
- We recommend you stop ice making if the following occur:
  - There is enough ice in the ice bucket.
  - You want to save water and energy.
  - Water is not being supplied to the refrigerator.
- If the ice maker function is ON, and the water line is not connected, there will be a water valve noise from back of the unit. Touch the Ice Off on the DISPENSER select box.

3. Place glass in dispenser to dispense selected ice or water.(refer to HOW TO USE THE DISPENSER)

DOOR OPEN ALARM

When the freezer / fridge door remains open over 2 minutes, a warning window pops up with alarm sounds. After the first alarming, it repeats every minute. And, it stops when closing both doors. If the Door Alarm OFF is selected on the Settings function, alarming does not occur.

MEMO

This feature can be used to leave a memo for yourself or someone else.

How to leave a new memo.

1. Touch the Memo button on the Home screen.

2. Touch the New button.

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3. Select the messaging tools as needed by touching the buttons upper the message screen. Enter the message contents with the selected tools.

- : Select to input a memo in pen mode.(your finger or a smooth-tip pen such as a style pen.)
- : Select to input a memo in keyboard mode.
- : Select to erase a memo.
- : Select pen or erase thickness.
- : Select pen color.

- Up to 80 memos can be saved.
- Press the Keyboard icon and touch on the location to write a memo. Then the keyboard pops up on the Display. The number of letters that can be input on the Keyboard are limited not to exceed the size of the memo.

4. Touch the Save button after entering all the information.

- When selecting the Attach to Home Screen button, the stored memo displays on the Home screen.
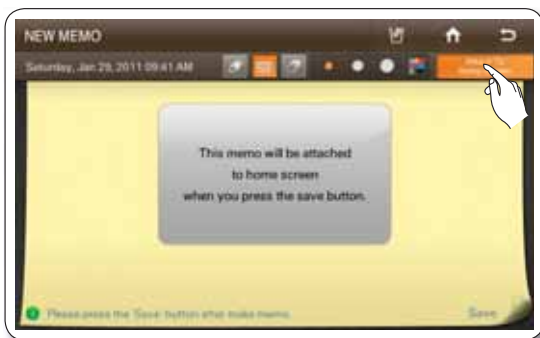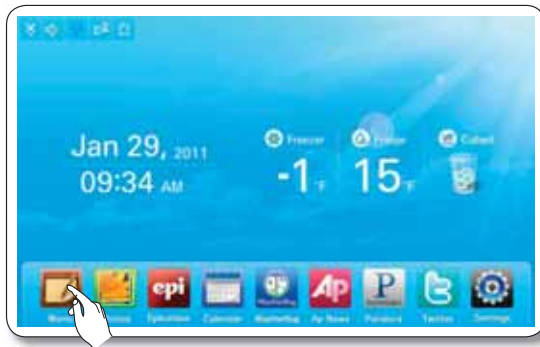
- The memo being displayed on the Home screen can be put away by touching the Detach button or can be temporarily hidden by touching the Hide Memo button.
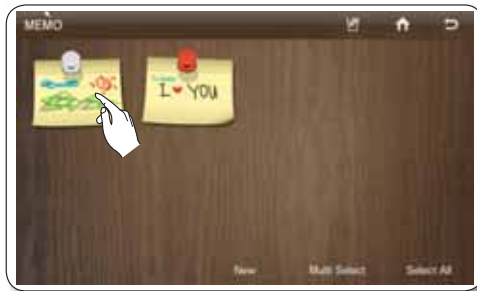

How to show the memo(s).

1. Touch the Memo button on the Home screen.

2. Choose the desired memo to show.
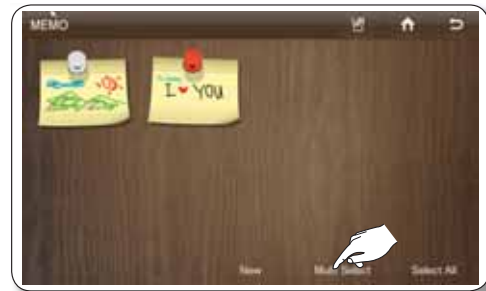
- When pressing the Select All button, the Multi Selection screen shows.
- When there are multiple pages with many memos, there will be page numbers on the bottom of the screen. And, when pressing the page number, the screen shifts to the related page.

2. To see multiple memos, press the Multi Select button.

- The menu being displayed on the main screen is indicated with the red tack.
- The written memos will show as thumbnails. The order of the written memos can be changed by drag and drop.

3. Check the saved memo.

- In the Detail View screen, you can delete it or attach/detach it on the Home screen.

3. Choose the desired memos to show.
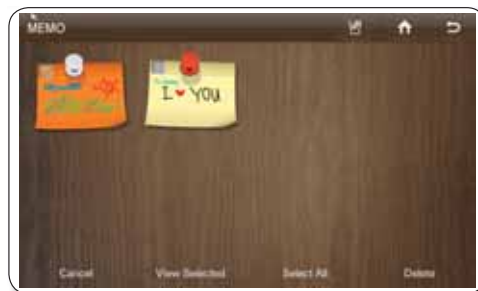
- When pressing the Select All button, all the memos on the current page will be selected and the Select All button will shift to the Unselect All button.
- To go out of the Multi Select screen, press the Cancel button.
- When the stored memos are many, there will be page numbers on the bottom of the screen. And, when pressing the page number, the screen shifts to the related page.

4. Touch the View Selected button.
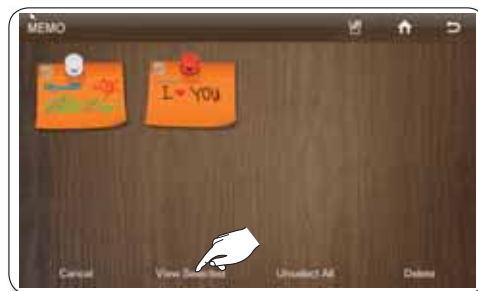
5. Check the saved memo by using the < and > buttons.

- In the Detail View screen, you can delete it or attach/detach it on the Home screen.

How to delete the memo(s).

1. Touch the Memo button on the Home screen.

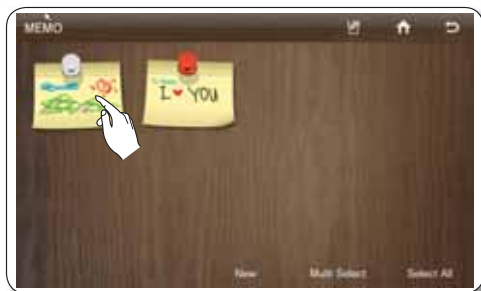**2.** Choose the desired memo to delete.

3. Touch the Delete button.
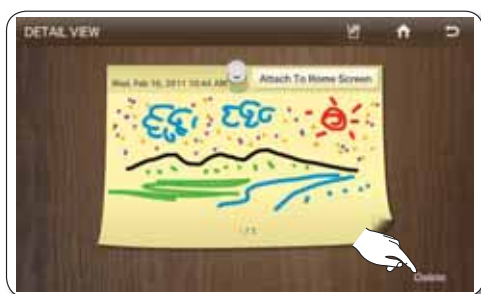
2. To delete multiple memos, press the Multi Select button.
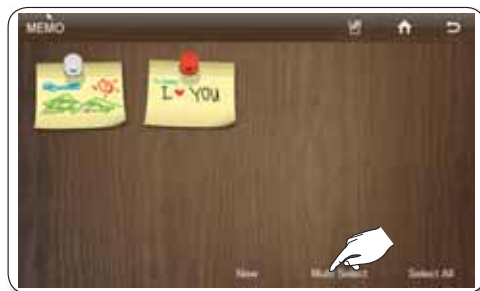
3. Choose the desired memos to delete.

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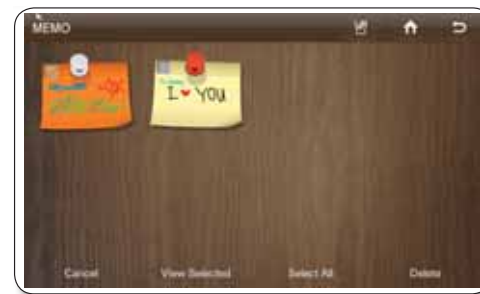
4. Touch the Yes button.

4. Touch the Delete button.
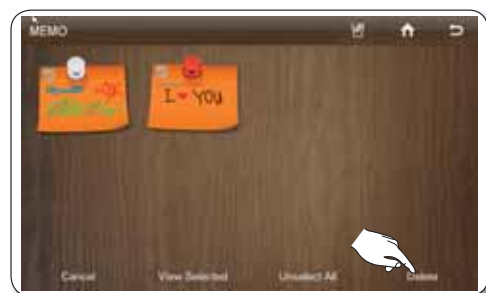
5. Touch the Yes button.

PHOTOS

Photos can be uploaded from a Memory card/DLNA device/Picasa Web Album into the My Album of this refrigerator.

How to Copy Photos from Memory Card to My Album

1. Pull out the cover over the card slot and move it to the side.
2. Insert the memory card (SD/SDHC/MMC/HS MMC) with images saved into the card slot.
   The "A SD/MMC card is connected" message appears on the screen.
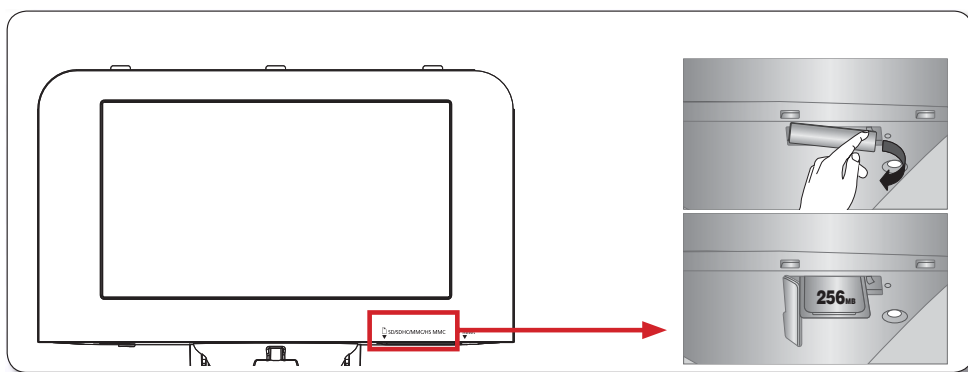
- The Memory slot is only for SD/SDHC/MMC/HS MMC type memory cards.
- It reads only JPEG(JPG) images.
- The Panel has a capacity of about 300 photos.
- When saving photos from a memory card to the panel, the photo size is automatically changed to 800 x 480 pixels, regardless of the original size.
- If there are many photos saved on the Memory card, it will take awhile for the preview function to load.
- If the Memory Card is removed while transferring images, the My Album only shows the images that have completed transfer. If not a single image has completely transferred, it returns to the photos screen.
- The saved images are fit to the screen size. Depending on the size of an image, there may be black bars on the top or sides.
- A Memory Card is not supplied with the refrigerator.
- Depending on the type of SD/SDHC/MMC/HS MMC memory cards, there may be some that are be unreadable.

1. Touch the Photos button on the Home screen.

2. Touch the Memory Card on the photos list.
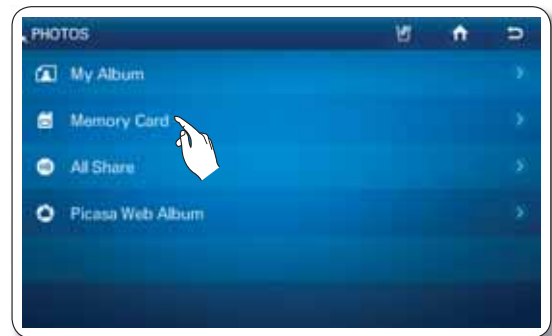
3. Choose the desired photo to save in the My Album.

- When pressing the Select All button, the Multi Selection screen shows.
- When there are multiple pages with many photos, there will be page numbers on the bottom of the screen. And, when pressing the page number, the screen shifts to the related page.
- This function also applies to the <All Share> and <Picasa Web Album> functions.

3. To store multiple photos, press the Multi Select button.

- When there are folders in the Memory Card, the folder icons will appear on the screen.
- When you select the folder, you will see the photos stored in it.
- At the lower tree folders, you can move to its upper tree folder by selecting the '..' icon.

 ⟷

4. Touch the Save To My Album button.

4. Choose the desired photos to save in the My Album.

- When the photo is selected, it will display its detail information.
- Larger photo sizes will take longer to upload.

5. The " Save To My Album" appears on the screen while uploading photo from the Memory Card.
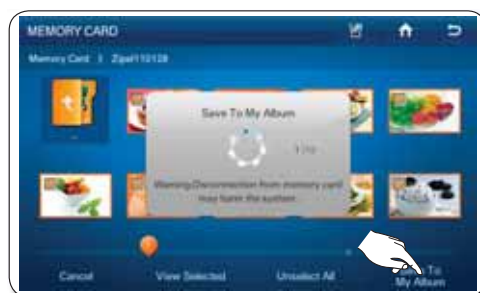

- Larger photo sizes will take longer to upload.

7. Take out the Memory Card from the slot.

- When pressing the Select All button, all the photos on the current page will be selected and the Select All button will shift to the Unselect All button.
- When you press the View Selected button, you will see its larger version.
- To go out of the Multi Select screen press the Cancel button.
- To delete the check mark on the selected photo, select the target photo again.
- When there are multiple pages with many photos, there will be page numbers on the bottom of the screen.
- When moving to other folders with photos selected, the selected photos will be automatically unselected.
- When selecting the folder name above the thumb-nail (Preview Photo), it moves to the related folder.
- This function also applies to the <All Share> and <Picasa Web Album> functions.

5. Touch the Save To My Album button.

6. The " Save To My Album" appears on the screen while uploading photos from the Memory Card.

- Larger photo sizes will take longer to upload.

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How to store DLNA device photos to My Album

📝 • This function is only available when the wireless network (Wi-Fi) is connected.

1. Touch the Photos button on the Home screen.

2. Touch the All Share on the photos list. At this time, the DLNA device to connect needs connecting to the same wireless AP as to the refrigerator.
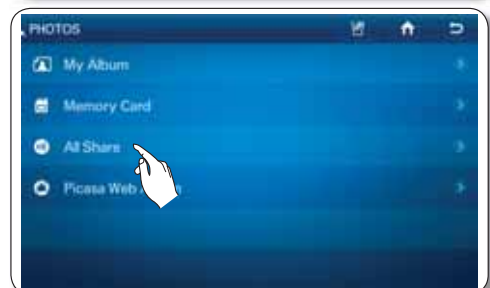
3. Choose the desired DLNA device to connect.
   • If the DLNA device to connect does not show, press the Refresh button several times to detect it.
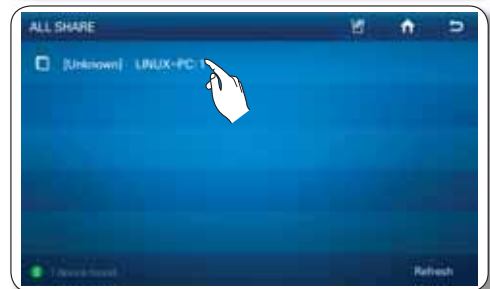
📝 • The device to connect shall have the related function installed with the DLNA (Digital Living Network Alliance) certificate.
   • The display supports upto 4096*4096 (16 mega) resolutions. When the number of pixels at either vertical or horizontal axis of a photo is more than 4,096 or its resolution is changed, the display may not support it.

4. Choose the desired folder.

• At the lower tree folders, you can move to its upper tree folder by selecting the '..' icon.

5. Choose the desired photo to save in the My Album.

6. Touch the Save To My Album button.

7. The "Save To My Album" appears on the screen while uploading photo from the DLNA device.

5. To store multiple photos, press the Multi Select button.

6. Choose the desired photos to save in the My Album.

7. Touch the Save To My Album button.

8. The " Save To My Album" appears on the screen while uploading photos from the DLNA device.

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- Larger photo sizes will take longer to upload.
- The wireless network is used to transmit photos in the DLNA device. So, the transmission may not work properly depending on the network conditions.
- When the photo is selected, it will display its detail information.

How to save photos in the Picasa Web Album to My Album.

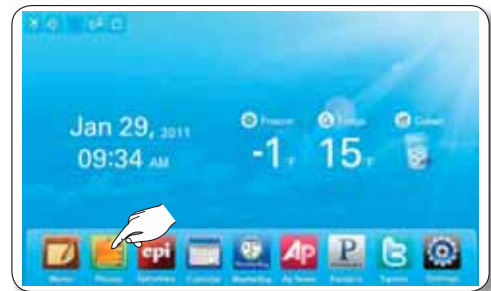### [Publicized Photos]
You can download and see the publicized photos from Google Picasa Web Album.
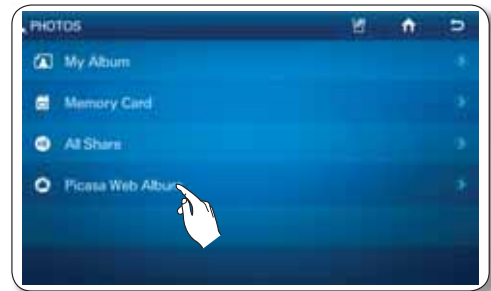
- This function is only available when the wireless network (Wi-Fi) is connected.

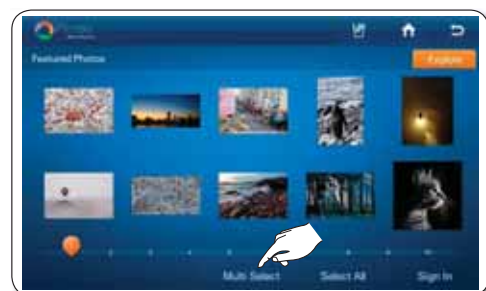1. Touch the Photos button on the Home screen.

2. Touch the Picasa Web Album on the photos list.

3. Choose the desired photo to save in the My Album.

3. To store multiple photos, press the Multi Select button.

4. Touch the Save To My Album button.

5. The "Save To My Album" appears on the screen while uploading photo from the Picasa Web Album.

4. Choose the desired photos to save in the My Album.

5. Touch the Save To My Album button.
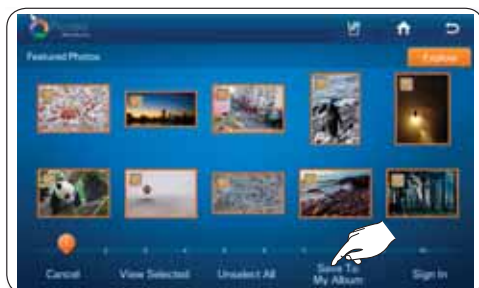
6. The " Save To My Album" appears on the screen while uploading photos from the Picasa Web Album.

- When the photo is selected, it will display its detail information.
- Larger photo sizes will take longer to upload.
- According to the status of the wireless network, you may not expect smooth transmission.

[Personalized Photos]
You can download and see the personalized photos from Google Picasa Web Album.

- This function is available only when the refrigerator is connected to the wireless network (Wi-Fi).
- To use this unction, it needs a Google account.

1. Touch the Photos button on the Home screen.

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2. Touch the Picasa Web Album on the photos list.

3. Touch the Sign In button.
- When you have an account with Google Picasa (http://picasaweb.google.com), you can see the uploaded photos in the Picasa by logging in with the account.

4. Choose the Email and Password input box: then enter the your Google account ID and password by using the screen keyboard.

5. Touch the Sign in button.
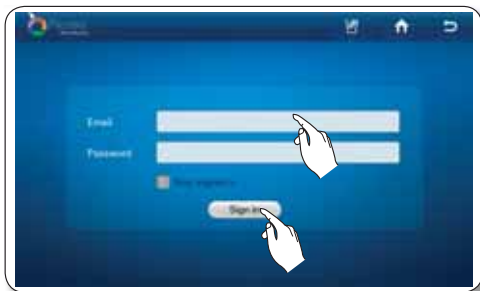
- When checking on the 'Stay signed in' box, the account will be stored for future log-in.

6. Select a web album having photos to store in My Album.
- If you touch the Sign Out button, it return to the Picasa publicized photos screen.
- If you choose the Explore tap on the right upper corner, the publicized photos screen will be displayed.

7. Choose the desired photo to save in the My Album.

8. Touch the Save To My Album button.

9. The "Save To My Album" appears on the screen while uploading photo from the Picasa Web Album.

7. To store multiple photos, press the Multi Select button.

8. Choose the desired photos to save in the My Album.

9. Touch the Save To My Album button.

10. The "Save To My Album" appears on the screen while uploading photos from the Picasa Web Album.

- When the photo is selected, it will display its detail information.
- Larger photo sizes will take longer to upload.

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How to set the slide show.

1. Touch the Photos button on the Home screen.

2. Touch the My Album on the photos list.
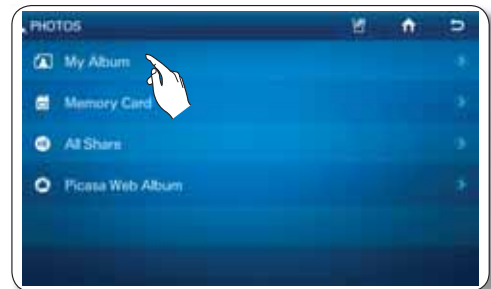
3. Touch the Multi Select button.
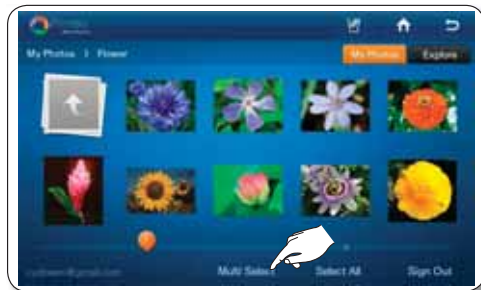
4. Choose the photos for slide show and touch the View Selected button. (Select more than two photos.)

5. Touch the Slide Show button.
- Depending on the photo size (Width*Height), there could be blank bars on the top and sides of the image.
- When the photo is selected, it will display its detail information.

6. The slide show will start with selected photos and touch the screen to change the view option.
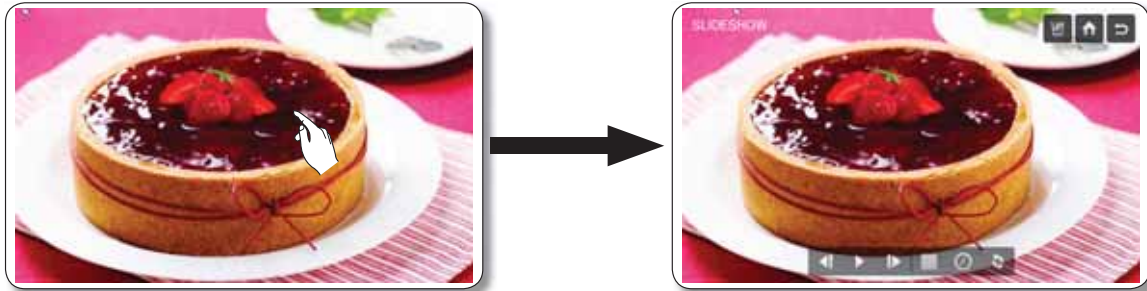
- With the selected photos, the slide show runs one time. And, when the slide show finishes, the view options will appear on the screen.
- By selecting the ◀▌ and ▐▶ buttons, you can move to the previous or next photo.
- When selecting the ▶ button, the slide show will run again.

7. To change the screen transition effect of the slide show, select ▦ button.

8. Choose the desired slide show transition effects: then touch the OK button.
- You can preview the selected effect can on the left side of the screen.
- The Random effect runs the photos without order.

9. To change the screen transition time, select the ◷ button.

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10. Use the - and + buttons to change the slide show transition speed: then touch the OK button.

11. To change the slide show order of the photos, select the ⟳ button.

12. Choose the desired slide show order of the photos: then touch the OK button.

How to rotate the photo(s).

1. Touch the My Album on the photos list.
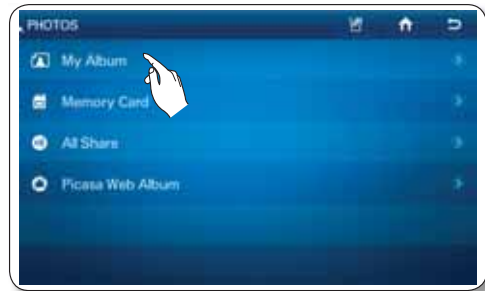
2. Choose the desired photo to rotate.

3. Choose the -90° Rotate or 90° Rotate button.

2. Press the Multi Select button to rotate multiple photos.

3. Choose the desired photos to rotate:then touch the View Selected button.

4. After selecting the photos to rotate with the
 and buttons, press the -90° Rotate or 90° Rotate button.

📝 • The rotated photos will be automatically stored (replacing the original photos).

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Save to memory card.

1. Touch the My Album on the photos list.
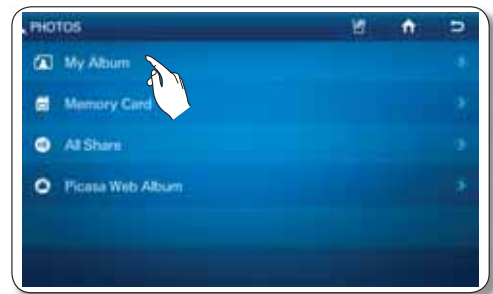
2. Choose the desired photo.

2. To save multiple photos, press the Multi Select button.

3. Touch the Save To Memory Card button.

3. Choose the desired photos: then touch the Save To Memory Card button.

4. The "Save To Memory Card" appears on the screen while saving photos.

✐ • A memory card needs to be inserted to save the photos in My Album to the memory card.

How to delete the photo(s).

1. Touch the My Album on the photos list.

2. Choose the desired photo.

2. To delete multiple photos, press the Multi Select button.

3. Touch the Delete button.
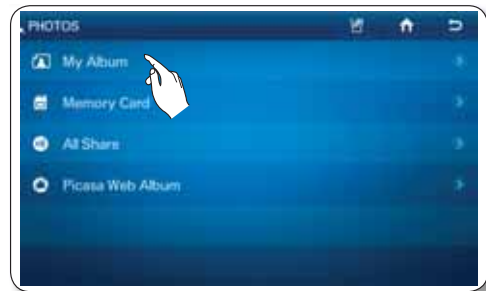
3. Choose the desired photos:then touch the Delete button.

4. Touch the Yes button.

4. Touch the Yes button.

- There are 10 photos that have been pre-loaded by Samsung. These Photos explain product features and cannot be deleted.

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EPICURIOUS

With the Epicurious service, it is easy to find various recipes by ingredients or events.

> • This function is only available when the refrigerator is connected to the wireless network (Wi-Fi).

How to use the Featured Recipes

1. Touch the Epicurious button on the Home screen.
   • There will be a 4-second commercial ad when entering the Epicurious.

2. Touch the Featured Recipes on the epicurious list.

3. Choose the Featured Recipes category. The display screen will show the recommend food list.

4. Choose the desired food. The display screen will show the detail information.
   • The level of popularity is shown with the number of forks.
   • Newest : Shows in the latest order.
   • Photo : Shows in order of photo information.
   • Rating : Shows in order of popularity.
   • A-Z :Shows in the alphabet order.

5. By selecting the Favorite button or the Shopping List button, you can make your favorite list or shopping list.

6. When the Preparation tab is selected on the top of the page, its step-by-step recipe will show on the main page.

7. When the Review tab is selected on the top of the page, you will see its review results that other people made.

8. When the About tab is selected on the top of the page, the author of the recipe will show.

How to use the Recipe Search by Ingredient.

1. Touch the Recipe Search by Ingredient on the epicurious list.

2. Choose the Food and Drink button: then choose the Food/Drink type on the left of screen. And choose the ingredient being displayed with icons.
  - When selecting an ingredient being displayed with icons, the expected number of foods will show on the bottom of the page.
  - Multiple ingredient being displayed with icon can be selected.

3. Touch the View Recipe Results button.

4. Choose the desired food. The display screen will show the detail information.

5. By selecting the Favorite button or the Shopping List button, you can make your favorite list or shopping list.
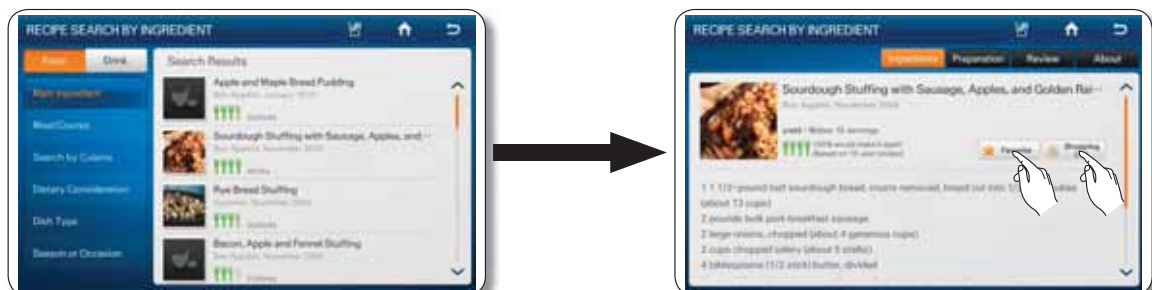
How to use the My Favorites.

1. Touch the My Favorites on the epicurious list.
   - Recipe Favorites can be stored up to 100 of them.

2. Choose the desired food.
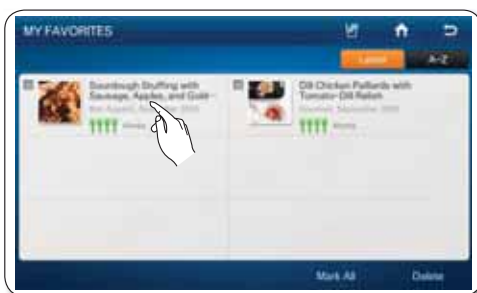
   - When selecting the A-Z button, it will show the saved recipes in the alphabetical order.
   - With the Delete button, you can delete saved recipes.

How to use the My Shopping List.

1. Touch the My Shopping List on the epicurious list.
   - It is possible to check the food list set as a shopping list and to get food ingredients to purchase.
   - The Recipe Shopping list can be set up to 100.

2. Choose the desired food(s).

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3. Touch the View Combined Shopping List button.

3. Touch the View Shopping List button.

4. The display screen will show the entire ingredient list of selected foods.

4. Choose the desired food on the left of screen. The display screen will show the ingredient list of selected food.
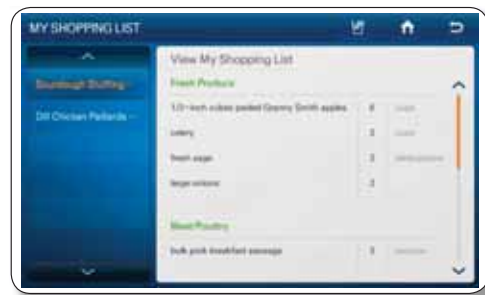
CALENDAR

You can see the calendar from Google Calendar.

- This function is only available when the refrigerator is connected to the wireless network (Wi-Fi).
- To use the Calendar, you need a Google account.
- The Calendar schedule supports from Jan 1970 to Dec 2037.

How to see the Google Calendar.

1. Touch the Calendar button on the Home screen.

**2.** Choose the Email and Password input box: then enter the Google account ID and password by using the screen keyboard.

3. Touch the Sign in button.
- When checking on the 'Stay signed in' box, the account will be stored for future log-in.

- When you do not have a Google account, you can get one at http://calendar.google.com.
- In the Email section, enter the Google account ID such as UserID@gmail.com.
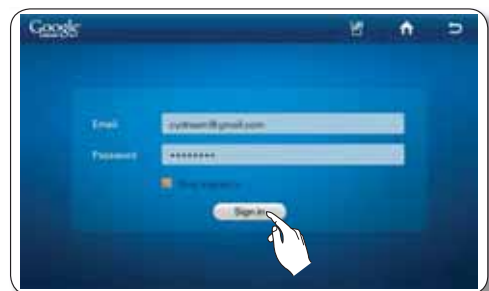
4. To check the schedule, select the date to check. The display screen will show the daily schedule of selected day.

- The schedule made in the Google Calender is not to be modified or erased through the screen.
- Each schedule is to appear in accordance with the display color of the related Calender.
- The All-Day schedule is to be indicated in the circular button and schedules with a starting time is to be displayed in front of the content in the 24-hour notation.
- Choose the left / right direction arrows to check the Monthly Schedule.
- When there are more than 4 events within a day, it displays the increase by means of "+1 more".
- The schedule is to be updated every 30 minutes.

5. Choose the schedule you want to check. The selected schedule will appear on the screen.

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How to manage Shared Calendar

1. Choose the Other Calendar.

2. Choose the Show and Hide button.
   - It is possible to set showing or hiding the schedules of a calender in subscription on the Other Calendar List screen.
   - Even if the Show / Hide setting is changed, there is no change in the subscription list and the Show / Hide setting on the Google Calender Web.

3. Touch the Apply button.

WEATHERBUG

The internet weather service provider will provide the weather information.
It provides the current and weekly weather information by regions.

> - This function is only available when the refrigerator is connected to the wireless network (Wi-Fi).

How to see the today weather.

1. Touch the WeatherBug button on the Home screen.

   - There will be a 4-second commercial ad when entering the WeatherBug.

2. When the weather information is provided successfully through the internet, it will show the following screen.
  - When selecting the Active Alerts, it will show weather alerts.

3. Touch the So Far Today. The display screen will show the detail current weather.
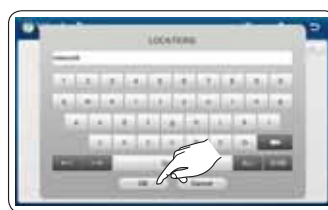

How to add Regions for Weather Service

1. Touch the region search bar on the left top of the screen.

2. The current region information will show on the screen.

3. Touch the + button on the right upper corner of screen: then enter the location name or zipcode(US Only) by using the screen keyboard.
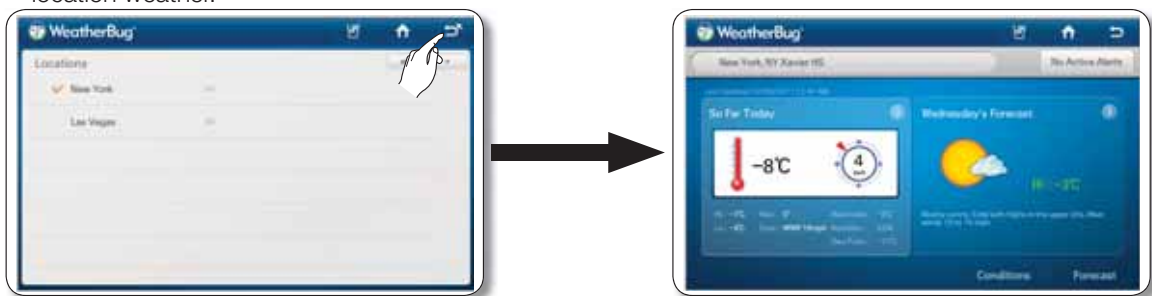
4. Touch the OK button.

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How to Select Regions for Weather Service

1. Touch the desired location name on the location list.

2. Choose the back( ) button on the right upper corner. The display screen will show the changed location weather.

How to delete Regions for Weather Service

1. Touch the edit button on the right upper corner of screen.

2. Choose the desired check box on the left of the location name: then touch the Delete button.

How to see the weather forecast.

1. Touch the Forecast button or Tonight's Forecast.

2. Choose the desired forecast on the forecast list. The display screen will show the detail forecast information.

- It is the screen showing the 7-day weather forecast
- It shows the day, the Day / Night(US weather only), the weather condition icon, the temperature and the weather description.
- When selecting the Conditions button, it will move to the screen for the current weather information.

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AP NEWS

The internet news service provider will provide the weather information.

> • This function is only available when the refrigerator is connected to the wireless network (Wi-Fi).
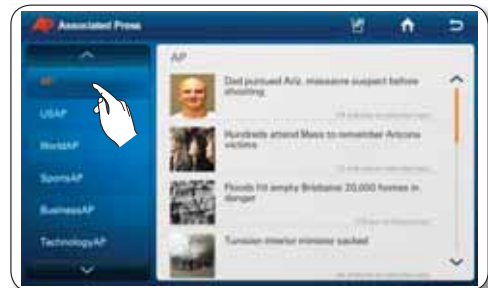
How to see the internet new.

1. Touch the Ap News button on the Home screen.

2. Choose the news category.
    • When selecting the category on the left, the major news of each category will show.

    > • 11 categories : AP, USAP, WorldAP, SportsAP, BusinessAP, TechnologyAP, EntertainmentAP, PoliticsAP, HealthAP, StrangeAP, ScienceAP

3. Choose the desired article.

> • The news article on the preview page shows 2 lines out of the entire article. To have a look at the detail news, visit the http://www.ap.org at your mobile phone or PC.

4. To see all the photos related to the article, select the main photo in the detail news article.

- With the ⟨ and ⟩ button, you can see other articles.

5. When there is a photo to see its exploded view, select the target photo.

- With the ⟨ and ⟩ button, you can see other photos.

PANDORA

- This function is only available when the refrigerator is connected to the wireless network (Wi-Fi).
- Through the Pandora service, it is possible to enjoy your favorite songs free of charge.
- The song selection is based on the analysis data being collected by the Music Genome Project of the Pandora and my own selection can affect the next song selection by its feedback.

How to use the internet radio.

1. Touch the Pandora button on the Home screen.

2. Choose the Email and Password input box: then enter the Pandora account ID and password by using the screen keyboard.
- When you do not have a Pandora account, you can get one at http://www.pandora.com.
- In the Email section, enter the Pandora account ID such as UserID@gmail.com.
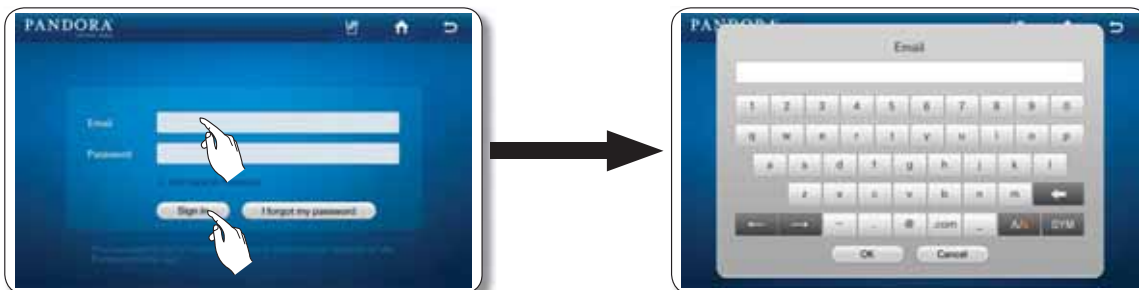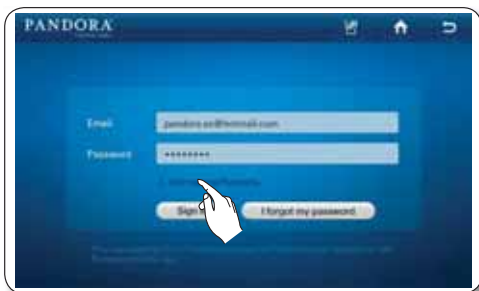
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3. Touch the Sign in button.

📝 • When you forgot the password, press the I forgot my password button to get an email for your password setting to the email address registered.

4. When the device needs a registration, press the ' I'm new to Pandora' text and register it with the Activation Code being popped-up: then touch the Continue button.

5. Choose the desired station.

📝 • It supports 100 of stations in maximum.
• Stations can be created at www.pandora.com or through mobile devices supporting the Pandora.
• If other stations are selected, it is possible to play the selected songs in those stations.

6. When the Bookmark button(🔖) is touched while playing a song, it is to be added to the Song Bookmark List and its list can be viewed at the Pandora site.

📝 • By bookmarking my favorite songs, it is possible to check the song list and to purchase various albums on the [Your Profile] page at www.pandora.com.

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7. When the song running fits your style, select the Thumb Up button. Otherwise, select the Thumb Down button.

✎ • When the Thumb Up button is selected, a play station will be formed with songs similar to the song selected.

8. To put the current playing song on hold, press the hold (❚❚) button.

9. To play the next song, press the Next(▶▶❚) button
• Unfortunately, our music licenses force us to limit the amount of songs you can skip in an hour.

10. Touch the speaker(◀)) button, you can adjust its volume.

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TWITTER

📝
- This function is only available when the refrigerator is connected to the wireless network (Wi-Fi).
- You can't write a twit while working on this function.

How to show the twitter.

1. Touch the Twitter button on the Home screen.


2. Choose the Email and Password input box: then enter the Twitter account ID and password by using the screen keyboard.

3. Touch the Sign in button.

📝
- When you do not have a twitter account, you can get one at http://twitter.com.
- In the Email section, enter the Twitter account ID such as UserID@gmail.com.
- When the 'Stay signed in' check box is selected, it it not necessary to log in each time to enter into the Twitter menu.
- When the system time is not set exactly, the login may fail. After setting the current time correctly at the Settings → Time/Date, do a retry.
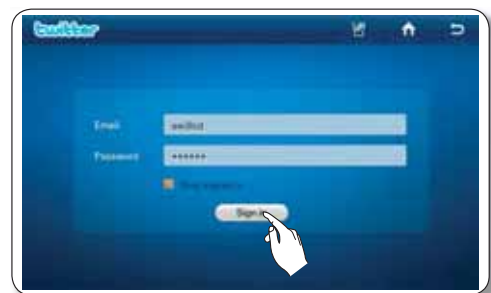
4. It is the screen showing the twitter list. In this page, user's following twitters up-to-date information including their photos, comment previews and listed dates.

5. Touch the twit on the twit list, you can see the detail information.
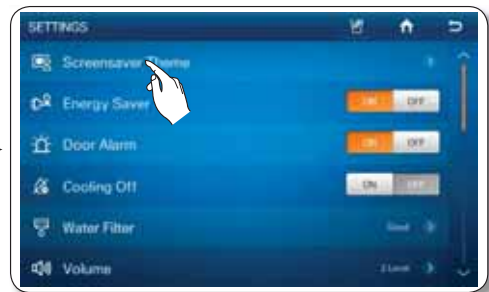- When selecting the List View on the Detail View screen, the screen changes to the Twit List.

**6.** Touch the button, it will show the detail information of the follower/followee.

SCREENSAVER THEME

When there is no input for a time being, the selected items work as the Screensaver.

1. Touch the Settings button.
2. Touch the Screensaver Theme on the settings list.

3. Choose item(s) to be used in the screensaver; then touch the Save button.

- The Clock and the Photos are default items, and they can not be unselected.
- It is possible that the set items does not show until their data is not ready.
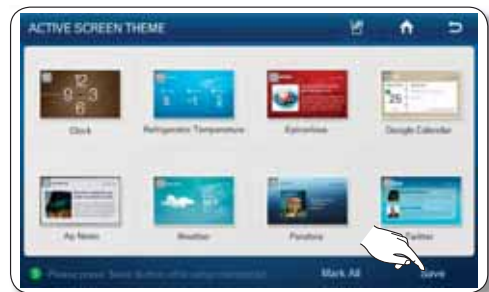
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ENERGY SAVER

It turns on and off the Energy Saver function. When the Energy
Saver is on, the power consumption decreases.
   1. Select the Energy Saver ON or OFF buttons on the
      settings list.
   • The Energy Saver function is pre-set to ON in the
     factory.
   • If condensation or water drops appear on the doors,
     turn the Energy Saver mode off.
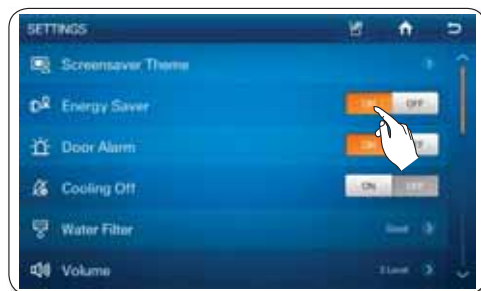
DOOR ALARM

It turns on and off the Door Alarm
   1. Select the Door Alarm ON or OFF buttons on the settings
      list.
   • If the door alarm is set to ON, an alarm beeps if any
     door is left open for more than two minutes.
   • The beeping stops when you close the door. The door
     alarm function is pre-set to ON in the factory.

COOLING OFF

The cooling off function shuts off the cooling to the freezer and
fridge compartments, but does not shut off the electrical power to
the refrigerator. This is only used to demo refrigerator models on
showroom floors.

   1. Select the Cooling Off ON or OFF buttons on the settings
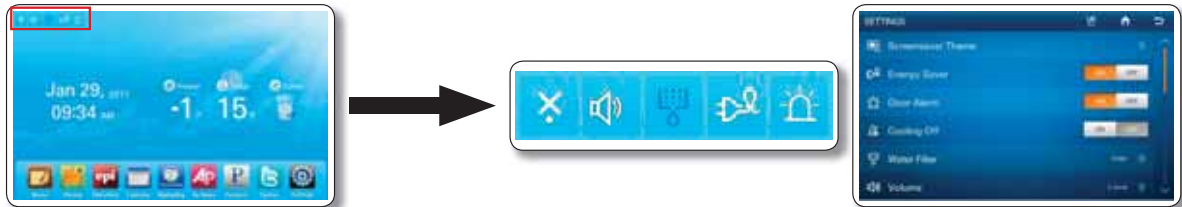   list.
   • If you choose the Cooling Off ON, the Home screen will
     show "OFF" on the freezer/fridge temperature and the
     refrigerator compressor functions will be deactivated.
     (The refrigerator and freezer do not get cold.)
   2. If you choose the ON button, The following message
      window will be displayed to confirm.
   3. Press the Yes button for more than 3 seconds.

WATER FILTER

The Water Filter status icon on the Home screen enables you to check the current status of the water filter.
Use the following instructions to check and/or replace the water filter.

1. Check the water filter status on the settings list or indicator icons on the Home screen.

- Good(Blue) : The filter does not need replacement. It is normal.
- Order(Pink) : The filter needs replacement.
- Replace(Red) : The filter needs replacement immediately.

2. If the status reads "Order" or "Replace," touch the water filter on the settings list to access the replacement instructions.
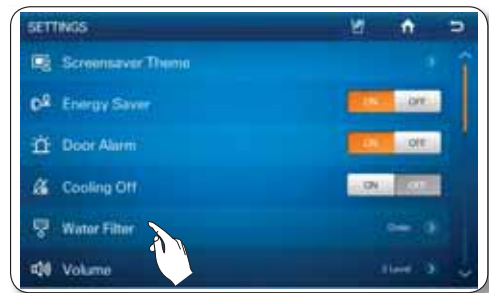
3. Touching the Next button will continue the instructions.

- Refer to the Water Filter replacement guide and replace the Water Filter.

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4. When the replacement is done, touch and hold the 'Reset the water filter' simultaneously for 3 or more seconds at the center of the screen.

⚠️ **CAUTION** DO NOT use the water or ice dispenser without a water filter cartridge because the water line may become blocked or damage the dispenser.

📝
- Be sure to flush the dispenser thoroughly to avoid possible water dripping from the dispenser. This means that there is still air in the line.
- For a replacement water filter, you can visit your local home improvement center or contact the Samsung Parts distributor. Be sure the replacement water filter has the SAMSUNG logo on the box and on the water filter. **Link : http://www.samsungparts.com**

VOLUME

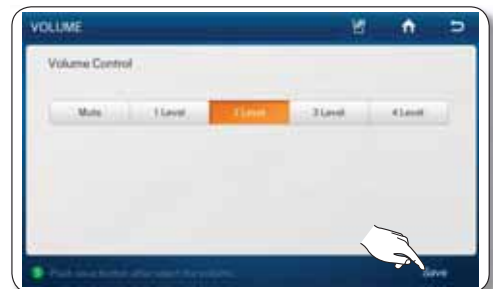You can control the volume of the alert sounds.

1. Touch the Volume on the settings list.

2. Select the volume sound level button to adjust the alert sound level.
3. Touch the Save button to set the new volume level.

📝
- An alert sounds whenever a button is touched or a message window or menu list appears.

DISPLAY

You can set the brightness of the LCD and running time of the Screensaver.

1. Touch the ⌄ button in the right bottom corner of the settings list.
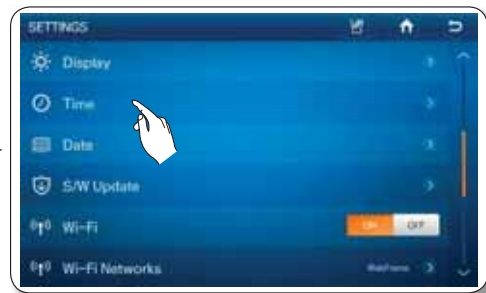
2. Touch the Display on the settings list.

3. Choose the desired Brightness level, Screensaver Running Time: then touch the Save button.

 • After 60 seconds, the Screen Saver runs for the time you set, then the LCD panel turns off.
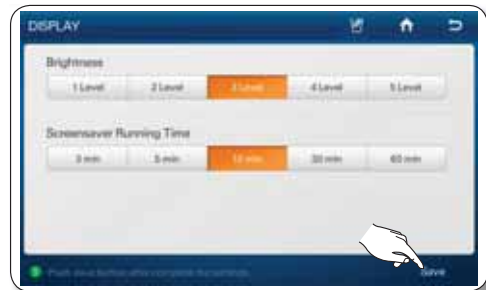
TIME SETTING

You can set the current time.

1. Touch the ⌄ button in the right bottom corner of the settings list.

2. Touch the Time on the settings list.

3. Use the ⌃ and ⌄ buttons to revise the time settings. : then touch the Save button.

 • If the current time is incorrect, you may not use the twitter.

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DATE SETTING

You can set the current date.

1. Touch the ∨ button in the right bottom corner of the settings list.
2. Touch the Date on the settings list.

3. Use the ⟨ and ⟩ buttons to revise the month.
4. Select the desired day: then touch the Save button.

- If the current date is incorrect, you may not use the twitter.

S/W UPDATE

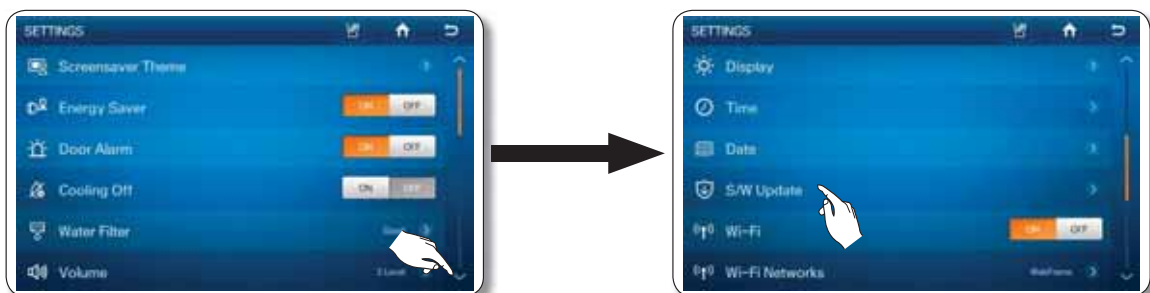It is the menu to check the current software version and to update it to the new software.

1. Touch the ∨ button in the right bottom corner of the settings list.
2. Touch the S/W Update on the settings list.

- The software update is offered as through the wireless network. When the updated software is offered through the wireless network, the Upgarde button is activated on the right bottom corner of the screen. And, when selecting the Upgrade button, it starts updating right away (it takes about 10 seconds). When the update is completed, it needs rebooting the system.

- Open Source License Notice - This product uses open source software. In the case of using open source software, Open Source Licenses are available on the product menu. Press [Legal Information] button to see the detail information.
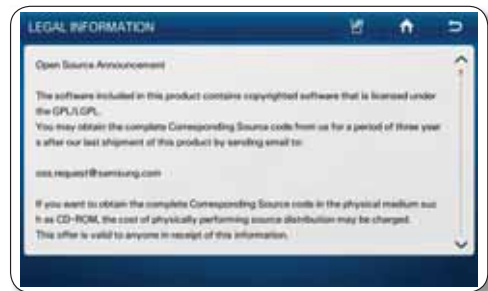
WI-FI ON OR OFF

It is to set turning on and off the wireless network.

1. Touch the ⌄ button in the right bottom corner of the settings list.
2. Select the Wi-Fi ON or OFF buttons on the settings list.
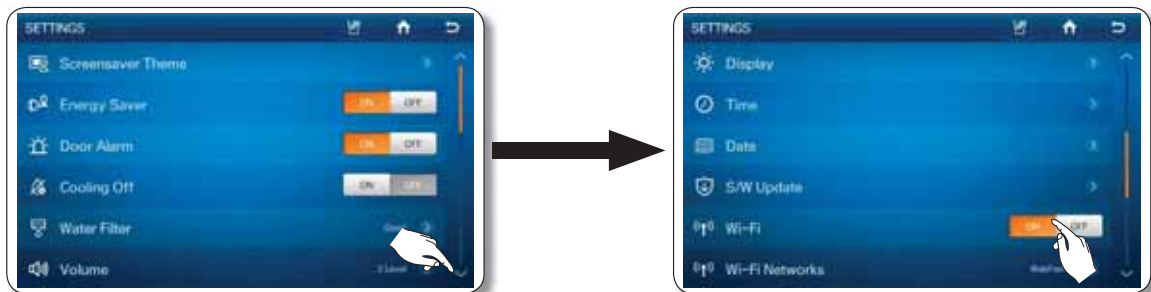
WI-FI NETWORKS

At the above Wi-Fi menu, when the wireless network turns on, it will search an wireless AP to do the network connection.

⚠ CAUTION
- Other than the router installed at your home, other routers installed at your neighbors or nearby offices can be detected while connecting to the wireless network. It is illegal to use other's router without permission and it will be subject to legal responsibilities. So, make a connection to the wireless router being permitted.

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1. Touch the ⌄ button in the right bottom corner of the settings list.
2. Touch the Wi-Fi Networks on the settings list.
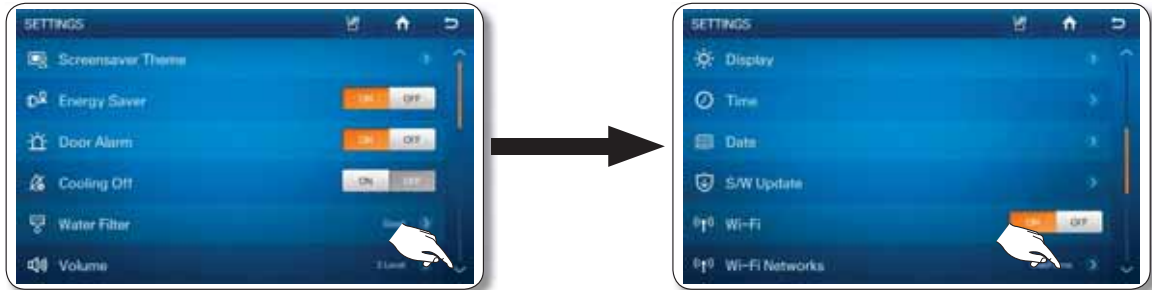
3. Choose the wireless AP you want to connect.
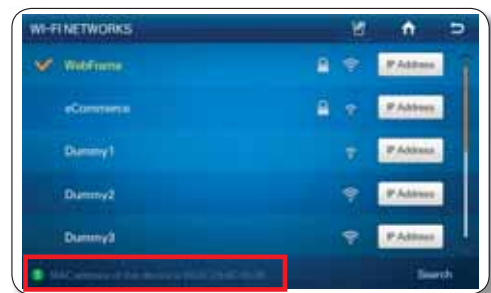   - 🔒 : Locked with Security Code
   - 📶 : Signal Strength
   - You can check the MAC address of the Fridge on the bottom of the Screen.

- Touch the Search button, When there is no AP showing on the screen, select the Search menu at the bottom.
- Based on the wireless AP type, it may not make a connection. (It is recommended to use a wireless AP supporting IEEE 802.11 b/g.)
- For the wireless router, please contact your internet provider or do the installation by yourself.
- When you can't remember the name of the wireless network system (SSID) or its security code, please refer to its user manual.
- All the wireless network systems can be interfered by radio frequency signals and they may affect the product performances.
- The radio frequency signals of the wireless network system can be affected by the radio frequence interference from other devices or any other obstacles. (concrete wall, metallic door or radio frequency signal emitting devices such as microwaves)
- Depending on the type & location of the wireless network system or the surrounding environments, the radio frequency reaching distance may differ and its quality may get affected.

4. When there is a security code set for the wireless network system, enter the security code and select the OK button.

5. When the IP Address button is selected after succeeding in the AP connection, it is possible to check the currently set IP address and the Gateway.

6. When selecting the User Config button, the IP Address, Subnet Mask, Gateway and DNS buttons will be activated to be able to be selected for data input.
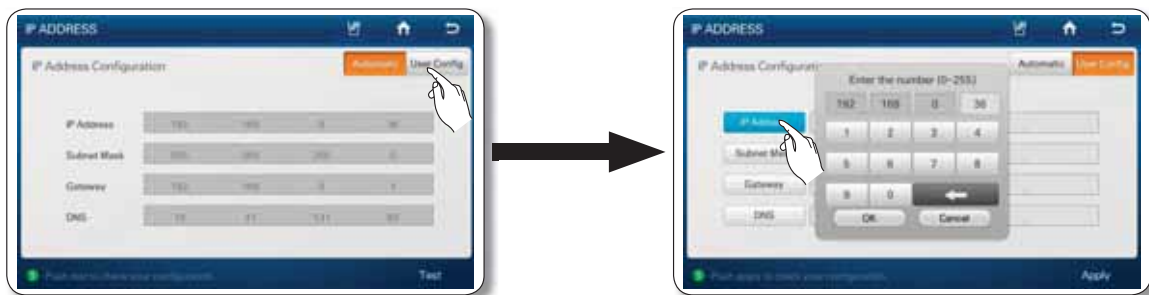
7. After filling in all the above 4 items, select the Apply button.

TEMPERATURE UNIT CONVERTER

It is to select the unit of the display temperature. The selected unit applies to the Freezer / Fridge set temperature and the temperature showing in the Weather.

1. Touch the ∨ button two times in the right bottom corner of the settings list.
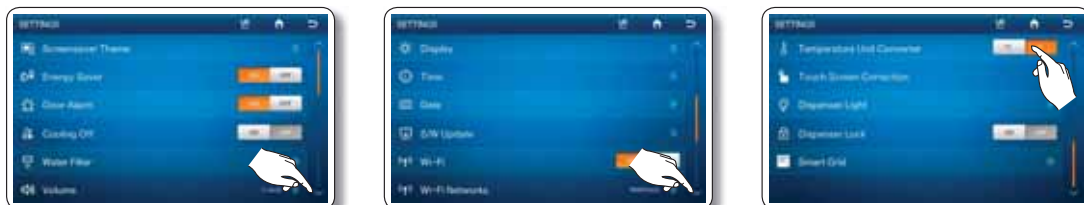
2. Select the Temperature Unit Converter °C or °F buttons on the settings list.

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TOUCH SCREEN CORRECTION

The stylus touch point can be calibrated to best meet the user's needs. To adjust the stylus touch point on the touch screen:

1. Touch the ⌄ button two times in the right bottom corner of the settings list.
2. Touch the Touch Screen Correction on the settings list.
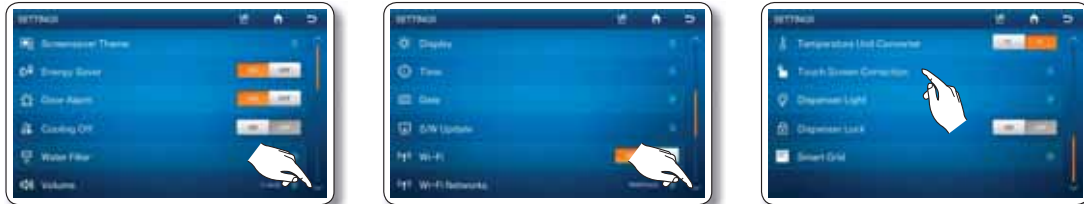
3. Touch the Yes button, and then a screen will appear with pointer instructions on the top.
4. Press down lightly on the center of the "+" mark. Repeat as the "+" mark moves on the screen.
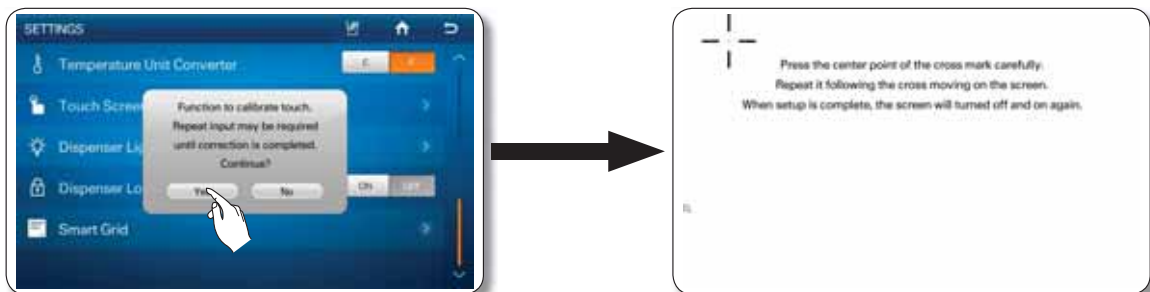
> • If the center is not properly pointed, the cross mark appears repeatedly.

DISPENSER LIGHT

It is to set the operation of the dispenser lamp light.

1. Touch the ⌄ button two times in the right bottom corner of the settings list.
2. Touch the Dispenser Light on the settings list.
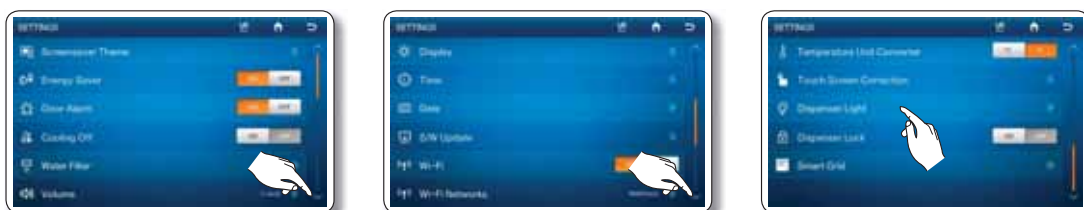
3. Select the desired dispenser light status: then touch the Save button.
> • On : Dispenser lamp always on.
> • Auto : Dispenser lamp lights up when using the dispenser. And, when the dispenser lever is released, the light goes off in 5 seconds.
> • Off : Dispenser lamp does not light up when using the dispenser.
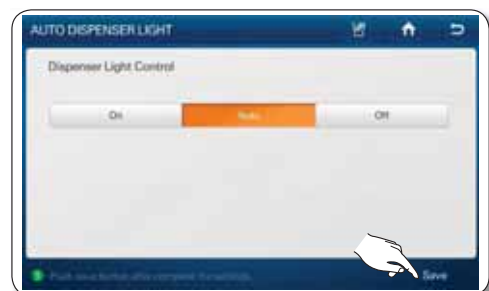
DISPENSER LOCK

When the Dispenser Lock function is activated, the dispenser will not work.

1. Touch the ∨ button two times in the right bottom corner of the settings list.
2. Select the Dispenser Lock ON or OFF buttons on the settings list.
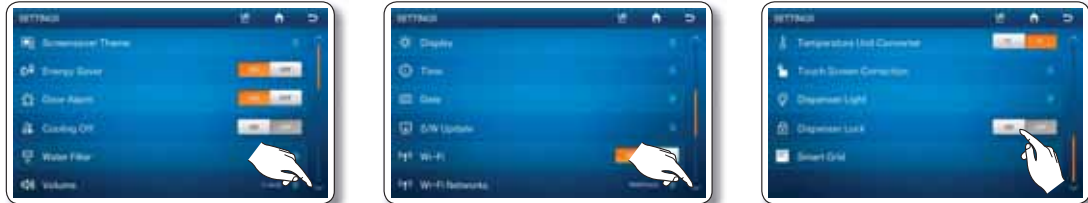
- If you select the Dispenser Lock ON button, Lock icon(🔒) will be show on the left upper corner of the Home screen.
- When the Dispenser Lock is set, only the dispenser do not work.

- If you suddenly can not use the dispenser, check whether the Dispenser Lock function is on.

SMART GRID

Settings and information about the "Smart Grid features" can be found.
If you want to use "Smart Grid feature", you need Smart Grid Modem.

How to see the Smart Grid Level

1. Touch the button ∨ button two times in the right bottom corner of the settings list.
2. Select the Smart Grid on the settings list.
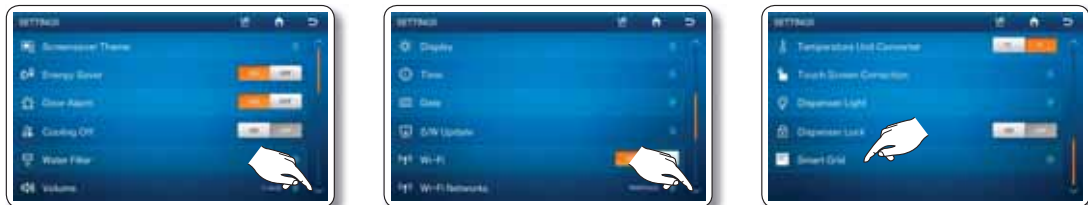
3. When Modem is connected, You can check the DR-Level received from electric utility companies. DR(Demand Response)-Level means the degree to manage customer consumption of electricity.
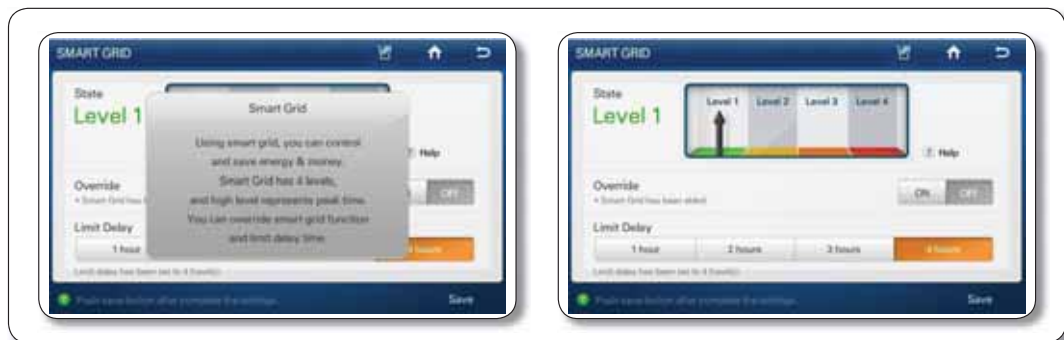
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4. If you touch each level text or Help button, you can see information about Smart Grid Function.
Higher Level means higher peak time than lower levels.

• If Modem is not connected, The message can be found.

How to override the Smart Grid Control

1. Touch the button ⌄ button two times in the right bottom corner of the settings list.
2. Select the Smart Grid on the settings list.
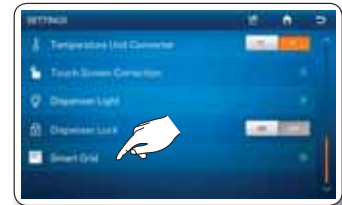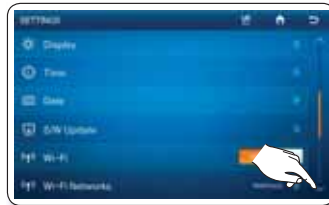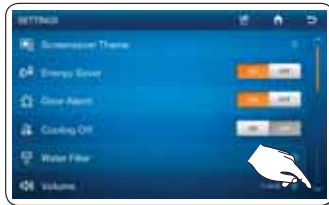
3. If you want appliances to operate according to DR-Level(or Smart Grid), touch Override "Off" button.
If you want appliances to operate irrespective of DR-Level(or Smart Grid), touch Override "On" button.

[Turn On Override]   [Turn Off Override]

4. You can select the Override time from 1hour to 24hour After set time, Override function will be turned off and Smart Grid control will be started. When you select "Permanently", "Override" function will operate continuously until the "Override" function is turned off.

5. Select the Save button.

📝 • If "Permanently" does not turn off, "Override" function will operate continuously.
  • If you think refrigerator temperature is higher, you need to use "Override" function.
  • If you think there is not enough ice, you need to use "Override" function.

How to select limit delay time on Smart Grid

1. Touch the button ⌄ button two times in the right bottom corner of the settings list.
2. Select the Smart Grid on the settings list.
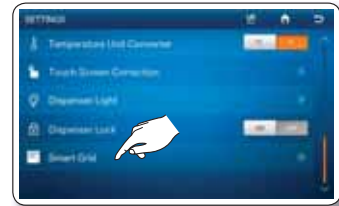
3. Select "Limit Delay Time" from 1hr to 4hr "Limit Delay Time" means the max time during which Smart Grid control operates.

4. Select the Save button.

📝 • If you don't choose the "Limit Delay Time"Option, It will work with the "4-hour" option by default.

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HOW TO USE THE DISPENSER

Touch the dispenser status on the Home screen to select the type of ice you want. Place your cup under the ice outlet and push gently against the dispenser lever. Make sure the glass is in line with the dispenser to prevent the ice from bouncing out. When Cubed Ice is selected after using the Crushed Ice feature, a small amount of residual crushed ice might be produced.

⚠ **CAUTION** Please wait 2 seconds before removing the glass under the dispenser to prevent spills.

If the Refrigerator door opens, the Dispenser does not work.

- Water Dispenser Installation After installation, press the dispenser arm for at least 2 minutes to remove trapped air from the water line and to fill the water system.
- Do not pull the lever out. You could damage or break the lever's spring.
- To clean the ice bin/bucket, wash with a mild detergent, rinse well, and dry thoroughly it. Do not use harsh or abrasive cleaners or solvents.
- In case ice doesn't come out, pull out the ice bucket and press the test button located on the right side of ice maker.
- Do not press the test button continuously when the tray is filled with ice or water. Water may overflow or ice may jam the bucket.
- Normal Use

To fill the ice bucket to maximum capacity after installation, follow these steps:

1. Allow your refrigerator to operate and cool down for 24 hours (or 1 full day).
   - Waiting 24 hours will allow your ice maker to cool properly.
2. Dispense 4 to 6 ice cubes into the glass.
3. After 8, and then 16 hours, dispense a full glass of ice.

   ✐ • When you press the Test button, you will hear the refrigerator chime (ding-dong).

When the chime sounds, release the Test button.
- The chime sounds automatically again to let you know the ice maker is working well.

⚠ **CAUTION** If a power failure occurs, ice cubes may melt then freeze together when the power comes back on, causing the dispenser to be out of order.

To prevent this problem, after a power failure, pull out the ice bucket and discard the residual ice or water.

⚠ **CAUTION** After you dump the ice from the ice bucket, you should press the dispenser lever once with the 'CUBED' or 'CRUSHED' function ON.

The ice maker will make new ice faster after you return the ice bucket in the refrigerator.

✐ If you use all the ice at once, you must repeat Steps 2 and 3 on the previous page. However, only wait 8 hours before dispensing the first 4 to 6 ice cubes. This will replenish the ice cubes and ensure maximum ice production.

⚠ **WARNING** • Do not put your fingers, hands or any other unsuitable objects in the chute or ice-maker bucket.
- It may result in personal injury or material damage.
- Use only the ice maker provided with the refrigerator.
- The water supply to this refrigerator must only be installed/connected by a suitably qualified person and connect to a potable water supply only.
- In order to operate the ice maker properly, water pressure of 20~125 psi is required.

CAUTION
- If you have a long vacation or business trip and won't use the water or ice dispensers, close the water valve.
- Otherwise, water leakage may occur.
- When you have not used the Ice maker for a while, or you have opened the Freezer door frequently, the Ice may stick together. If this has occurred, empty the ice bucket or break up the ice with a wood kitchen tool. Do not use sharp items such as knives or forks.
- When the bucket is removed, there may still be some residual ice in the ice maker that will be produced.

Ice-Maker Cover
Ice Chute   Ice Bucket
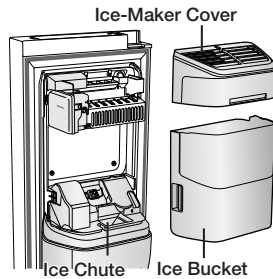
CAUTION
- In case ice doesn't come out, pull out the icemaker cover and press test button located on the ice maker.
- Do not press the test button continuously when the tray is filled with ice or water as illustration below. Water may overflow or ice jamming may occur.

Test button
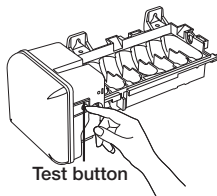
CLEANING THE REFRIGERATOR

WARNING
Do not use Benzene, Thinner or Clorox™ for cleaning.
They may damage the surface of the appliance and can create a risk of fire.

CAUTION
Do not spray the refrigerator with water while it is plugged in, as it may cause an electric shock. Do not clean the refrigerator with benzene, thinner or car detergent as there is a risk of fire.

REMOVING THE FREEZER/FRIDGE ACCESSORIES

cleaning and rearranging the interior of the freezer is a snap.

1. Shelves (Freezer/Fridge)

Pull the shelf out as far as it goes.
Then lift up and remove it.
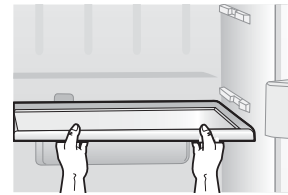
2. DOOR BIN

Remove the Door Bin by holding it with both hands and then gently lift it up.
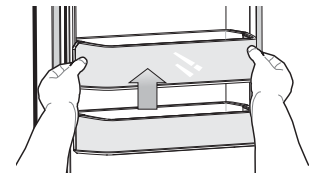
3. DRAWER

Remove the Drawer by pulling it out and slightly lifting it up.
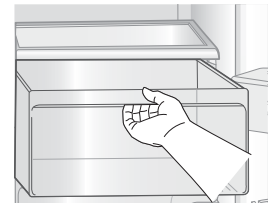
4. Drawer Cover

Pull the cover out as far as it goes.
Then lift up and remove it.

①

5. Ice Bucket (Freezer)

Remove the Icemaker Bucket by lifting up and pulling it out slowly.
- Grip the handle as shown in the figure
- Lift the low part slightly
- Take the ice bucket out slowly

02 OPERATING

Do not use excessive force when removing the drawer cover.

Otherwise, the cover may break and cause injury.

Before removing any accessories, make sure that no food is in the way.

When possible, remove the food altogether to reduce the risk of accidents.

CHANGING THE INTERIOR LIGHTS

CAUTION do not disassemble or replace the LED type Lighting.

To change the LED Type Lighting, contact a Samsung service center.

CHANGING THE WATER FILTER

WARNING to reduce risk of water damage to your property **DO NOT** use generic brands of water filers in your SAMSUNG Refrigerator. **USE ONLY SAMSUNG BRAND WATER FILTERS**.

SAMSUNG will not be legally responsible for any damage, including, but not limited to property damage caused by water leakage from use of a generic water filter.

SAMSUNG Refrigerators are designed to work **ONLY WITH SAMSUNG** Water Filter.

The "Filter Indicator" icon lets you know when it is time to change your water filter cartridge. To give you preparation time to get a new filter, the red light will come on just before the capacity of the current filter runs out. Changing the filter on time provides you with the freshest, cleanest water from your fridge.

1. Turn the water filter 90° counter-clockwise.
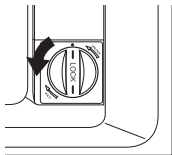
2. Pull the water filter from the filter housing.

3. Insert new water filter inside the filter housing.
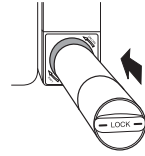
4. Turn the new water filter 90° clockwise.
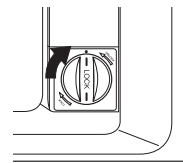
5. When the replacement is done, touch and hold the 'Reset the water filter' simultaneously for 3 or more seconds at the center of the screen. (Refer to page 55)

A newly installed water filter cartridge may cause water to briefly spurt from the water dispenser. This is due to air getting into the line. It should pose no problem to operation.

Reverse Osmosis Water Supply

IMPORTANT : The pressure of the water supply coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 35 and 120 psi (241 and 827 kPa).

If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276 to 414 kPa.)

If the water pressure to the reverse osmosis system is less than 40 to 60 psi (276 to 414 kPa):
• Check to see whether the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
• Allow the storage tank on the reverse osmosis system to refill after heavy usage.
• If your refrigerator has a water filter, it may further reduce the water pressure when used in conjunction with a reverse osmosis system. Remove the water filter.

If you have questions about your water pressure, call a licensed, qualified plumber.

Ordering replacement filters

To order more water filter cartridges, contact your authorized Samsung dealer.

troubleshooting

PROBLEM	SOLUTION
The refrigerator does not work at all or it does not chill sufficiently.	• Check that the power plug is properly connected. • Is the temperature control on the display panel set to the correct temperature? Try setting it to a lower temperature. • Is the refrigerator in direct sunlight or located too near a heat source? • Is the back of the refrigerator too close to the wall and therefore keeping air from circulating?
The food in the fridge is frozen.	• Is the temperature control on the display panel set to the correct temperature? Try setting it to a warmer temperature. • Is the temperature in the room very low? • Did you store the food with a high water content in the coldest part of the fridge?
You hear unusual noises or sounds.	• Check that the refrigerator is level and stable. • Is the back of the refrigerator too close to the wall and therefore keeping air from circulating? • Was anything dropped behind or under the refrigerator? • A "ticking" sound is heard from inside the refrigerator. This is normal and occurs because various accessories are contracting or expanding in relation to the temperature of the refrigerator interior.
The front corners of the appliance are hot and condensation is occurring.	• Some heat is normal as anti-condensators are installed in the front corners of the refrigerator to prevent condensation. • Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time.
Ice is not dispensing.	• Did you wait for 12 hours after installation of the water supply line before making ice? • Is the water line connected and the shut-off valve open? • Did you manually stop the ice making function? Make sure Ice Type is set to Cubed or Crushed. • Is there any ice blocked within the ice maker bucket? • Is the freezer temperature too warm? Try setting the freezer temperature lower.
You can hear water bubbling in the refrigerator.	• This is normal. The bubbling comes from the refrigerant coolant liquid circulating through the refrigerator.
There is a bad smell in the refrigerator.	• Has a food item spoiled? • Make sure that strong smelling food (for example, fish) is wrapped so that it is airtight. • Clean out your freezer periodically and throw away any spoiled or suspect food.
Frost forms on the walls of the freezer.	• Is the air vent blocked? Remove any obstructions so air can circulate freely. • Allow sufficient space between the foods stored for efficient air circulation. • Is the freezer door closed properly?
Water dispenser is not functioning.	• Is the water line connected and the shut-off valve open? • Has the water supply line tubing been crushed or kinked? Make sure the tubing is free and clear of any obstruction. • Is the water tank frozen because the refrigerator temperature is too low? Try selecting a warmer setting on the main display panel.
Display does not work!	• Press the Reset button over one second to reset the memory. With this, the user information is not to be reset.

PROBLEM	SOLUTION
Photos not showing with the memory card connected	• When the "A SD/MMC card is connected" messages do not show on the screen, check if the memory type is SD / SDHC / MMC / HS MMC. • Check if there are photos or images stored in the memory card. • Check if the images in the memory card are JPEG (JPG) types.
The LCD screen turns off frequently.	• It is a power-saving function and it is normal. • At the Settings-Display, the Screensaver Running Time can be set.
There is image sticking or an edge line left on the screen.	• The still screen can make a permanent damage on the LCD. So, when selecting a Screensaver, select as many themes as possible. NOTE : Defects caused by this will not be covered by the factory warranty.
The input point of the touch screen is not correct.	• Run the Touch Screen Calibration function at the Settings.
There is no wireless AP detected.	• Check if the power for the wireless AP is on. • Check if the wireless AP supports IEEE 802.11 b/g. • If the wireless AP is located away from the Fridge, move the wireless AP closer to the Fridge and check if it is detected. • Turn off and on the power of both the Wireless AP and the Fridge.
It is not able to connect to the wireless AP.	• Check if the wireless AP supports IEEE 802.11 b/g. • Check the status of the internet connection of the wireless AP. • Check if the current cost rate plan of the internet covers the wireless network connection, And, if so, please check how many connections are allowed. • When the device is processed with the MAC address certification and registration with the new internet provider, it can not be connected to the wireless network. In this case, please contact your internet provider and get supports for the wireless network connection with a device (Fridge) other than the device having the prior certification. (The MAC address of the Fridge can be found on the bottom of the screen showing the wireless AP after selecting the Settings - WiFi Networks.) • Turn off and on the power of both the Wireless AP and the Fridge.
Can't remember the password for the wireless AP connection.	• Refer to the wireless AP manual and reset the password again.
Functions using the wireless network (Wi-FI) do not work.	• Functions using the wireless network (Wi-Fi) such as Epicurious, Calendar, WeatherBug, AP News, Pandora and Twitter can be used only with the households using the wireless network (Wi-Fi). • If there are any other devices connected to the wireless network, please check the connection status of the device. • Since it is a service based on the data from the information provider through the internet, the information updates can be delayed or cut depending on the status of the internet connection. • Turn off and on the power of both the Wireless AP and the Fridge.
Can't connect to the external devices being detected.	• When the network of the external device being detected is abnormally shut down (such as power off, out of the network range, etc), the network information will remain on the network list by the DLNA specifications. But, its connection is not available. • Select the Photos function - All Share and search the external devices again.

Warranty

WARRANTY ON SAMSUNG REFRIGERATOR

LIMITED WARRANTY TO ORIGINAL PURCHASER

This Samsung brand product, as supplied and distributed by Samsung Electronics America, Inc. (Samsung) and delivered new, in the original carton to the original consumer purchaser, is warranted by Samsung against manufacturing defects in materials and workmanship for a limited warranty period of:

One (1) year Parts and Labor on Refrigerator

Five (5) years Parts and Labor on sealed Refrigeration system only*

(*Compressor, evaporator, condenser, drier, connecting tubing)

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact Samsung for problem determination and service procedures. Warranty service can only be performed by a Samsung authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to Samsung or Samsung authorized service center.

Samsung will repair or replace any part found to be defective, at our option and at no charge as stipulatedX herein, with new or reconditioned parts during the limited warranty period specified above. All replaced parts and products become the property of Samsung and must be returned to Samsung. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

In-home service will be provided during the warranty labor period subject to availability within the contiguous United States. In-home service is not available in all areas. To receive in-home service, the product must be unobstructed and accessible from floor level to service personnel. If during in-home service repair cannot be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, Samsung may elect, at our option, to provide for transportation of our choice to and from a Samsung authorized service center. Otherwise, transportation to and from the Samsung authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product, and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external plumbing and leaks, external wiring, circuit breakers, fuses or connectors not supplied and authorized by Samsung, or which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; loss of food due to spoilage; consumable items including filters and light.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT SOLD BY SAMSUNG NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF SAMSUNG. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

To obtain warranty service, please contact Samsung at:

SAMSUNG CUSTOMER CARE CENTER

Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07660

1-800-SAMSUNG (1-800-726-7864) and www.samsung.com

SAMSUNG

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT	WRITE
U.S	800-SAMSUNG (800-726-7864)	www.samsung.com	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07660
CANADA	800-SAMSUNG (800-726-7864)	www.samsung.com/ca	Samsung Electronics Canada Inc. Customer Service, 55 Standish Court Mississauga, Ontario L5R 4B2 Canada

In an effort to promote recycling this user manual is printed on recycled paper.

Part 15.19

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Part 15.21

Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

RF Exposure Statement

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Part 15.105

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/ TV technician for help.

FCC RF Radiation Exposure Statement

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operation in conjunction with any other antenna or transmitter.