LG

LSC27990TT

SⓍS **REFRIGERATOR**

User's Guide

Please read this guide thoroughly
before operating and keep it handy
for reference at all times.

SⓍS **REFRIGERATEUR**

Manuel d'utilisation

Prière de lire attentivement le présent manuel
avant d'utiliser le réfrigérateur.
Conserver à portée de main pour pouvoir le
consulter à tout moment.

FRIGORÍFICO SⓍS

Guía de usuario

Lea detenidamente estas instrucciones
antes utilizar el frigorífico y guárdelas
como referencia para el futuro.

Table of Contents

Entry

The model and serial numbers are found on the inner case or back of refrigerator compartment of this unit. These numbers are unique to this unit and not available to others. You should record requested information here and retain this guide as a permanent record of your purchase. Staple your receipt here.

Date of purchase
Dealer
Dealer address
Dealer phone
Model
Serial

Important safety instructions

Before use, this refrigerator must be properly installed and located in accordance with the installation instructions in this manual.

Never unplug your refrigerator by pulling on the power cord. Always grip the plug firmly and pull it straight out from the outlet.

When moving your appliance away from the wall, be careful not to roll over the power cord or to damage it in any way. Do not crush or damage the water line.

After your refrigerator is in operation, do not touch the cold surfaces in the freezer compartment, particularly when your hands are damp or wet. Skin could adhere to these extremely cold surfaces.

Unplug the power cord from the power outlet for cleaning or other requirements. Never touch it with wet hands because you can get an electric shock or be injured.

Never damage, bend, kink, pull out, or twist the power cord because damage to the power cord can cause product failure, fire, or electric shock. If you have doubts the appliance is properly grounded, consult a qualified electrician.

Never place glass products in the freezer because they may be broken from expansion when their contents are frozen.

Never put your hands within the ice storage bin of the automatic icemaker. You can be injured by the operation of the automatic icemaker.

The appliance is not intended for use by young children without supervision.

Young children should be supervised to ensure that they do not play with the appliance.

Never allow anyone to climb, sit, stand, or hang on the door. These actions may damage the refrigerator and even tip it over, causing severe personal injury.

Recommended grounding method

Before you move your refrigerator into its final location, it is important to make sure you have the proper electrical connection. A 115 Volt, 60 Hz., AC only, 15 or 20 amp, fused and grounded single-outlet circuit is required. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

Accessibility of supply plug
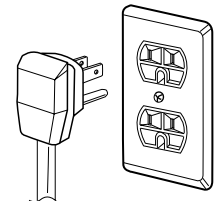
The refrigerator-freezer should be so positioned that the supply plug is accessible for quick disconnection in the event of an emergency.

Supply cord replacement

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

⚠ Warning

Do not modify or extend the Power Cord length.
■ It may cause electric shock or fire.

Child entrapment warning

DANGER: Risk of child entrapment.
Before you throw away your old refrigerator or freezer take off the doors but leave the shelves in place so that children may not easily climb inside.
The appliance is not intended for use by young children without supervision.
Young children should be supervised to ensure that they do not play with the appliance.
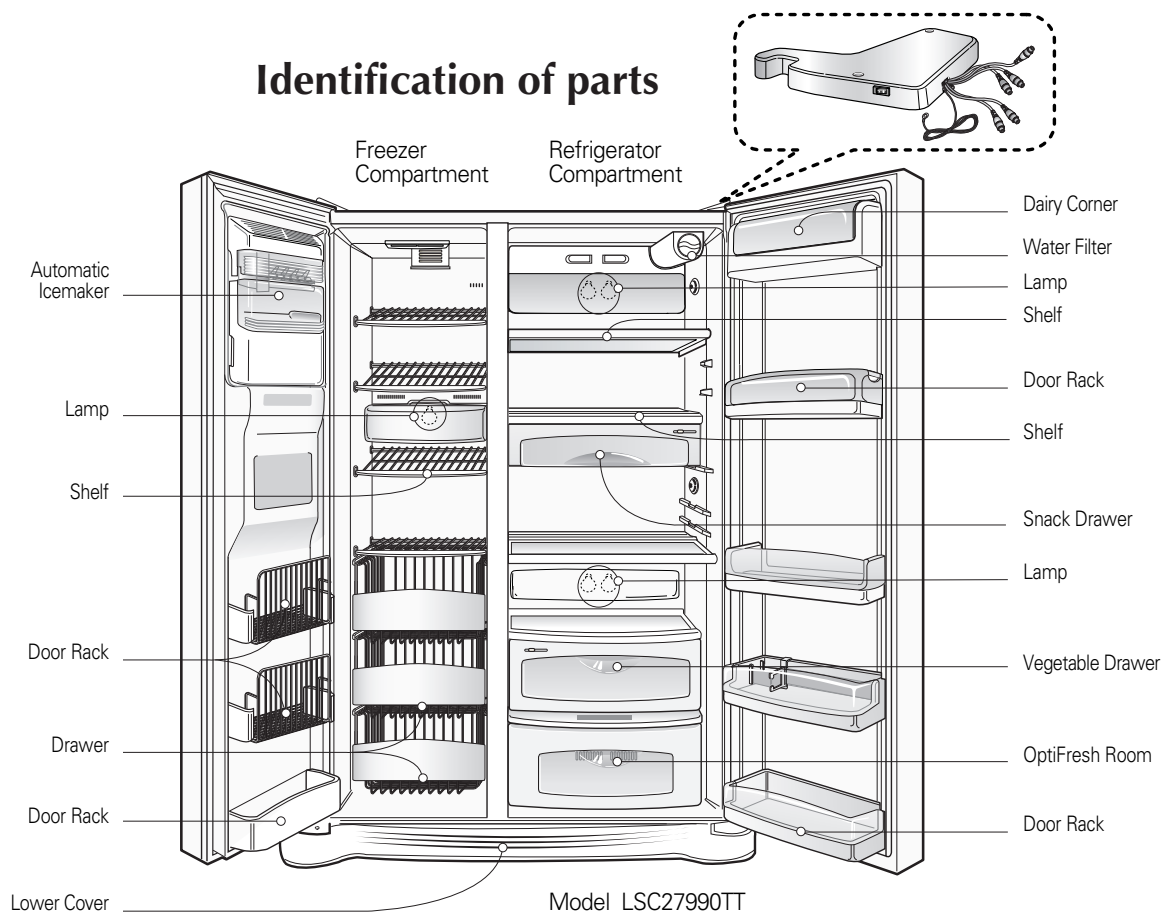
Don't store

Don't store or use gasoline or other flammable vapor and liquids in the vicinity of this or any other appliance.

Grounding

In the event of an electric short circuit, grounding (earthing) reduces the risk of electric shock by providing an escape wire for the electric current.
In order to prevent possible electric shock, this appliance must be grounded.
Improper use of the grounding plug can result in an electric shock. Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if you have doubts on whether the appliance is properly grounded.

Identification of parts

Freezer Compartment
Refrigerator Compartment

Automatic Icemaker
Lamp
Shelf
Door Rack
Drawer
Door Rack
Lower Cover

Dairy Corner
Water Filter
Lamp
Shelf
Door Rack
Shelf
Snack Drawer
Lamp
Vegetable Drawer
OptiFresh Room
Door Rack

Model LSC27990TT

NOTE
• Parts, features, and options vary by model. Your model may not include every option.

4

Where to install

Strong and even floor

Unstable installation may cause vibration and noise. If the floor to install the refrigerator on is not even, make the refrigerator level by rotating the height adjusting screw.

Height

Keep it at a proper distance
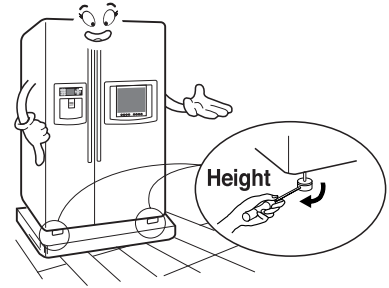
A proper distance from adjacent items

To ensure proper air circulation around the fridge -freezer, please maintain sufficient space on both the sides as well as top and maintain at least 2 inches (5 cm) from the rear wall.

More than 2"(5 cm) to back
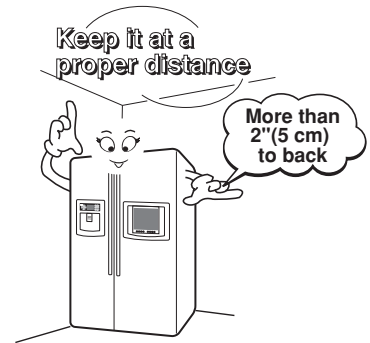
Where water supply can be easily connected in a dry place

Select a place where a water supply can be easily connected between the automatic ice maker and dispenser.
Installing the refrigerator in a wet or damp area may cause rust and may be an electrical hazard.

Bottom Pad
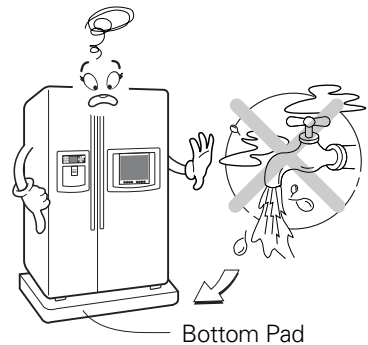
Where it is free from heat

If this refrigerator is installed where the ambient temperature is high, the freezing capacity is deteriorated and the cost of electricity used increases.
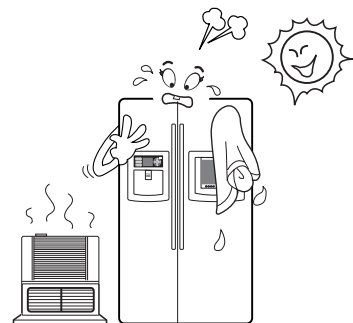
NOTE

• Install the refrigerator at a place where the ambient temperature is 5˚C ~ 43˚C (41˚F~110˚F).
Ambient temperature outside this range may cause product malfunction. Also, the tube between the dispenser and automatic ice maker may freeze.

Door removal

Remove lower cover and water feed tube

Remove the freezer compartment door

Remove the refrigerator door

Electric Shock Hazard

Disconnect electrical supply to refrigerator before installing.

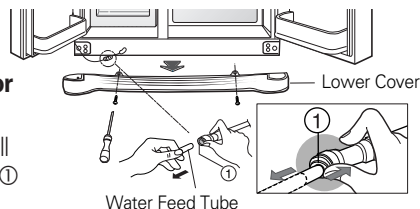Failure to do so could result in death or serious injury.

If your entrance door is too narrow for the refrigerator to pass through, remove the refrigerator door and pass the refrigerator laterally.

Remove the lower cover by lifting upward, and then pull up the water feed tube while pressing the release ring ① shown in the figure to the right.

Lower Cover

Water Feed Tube

NOTE

• If a tube end is deformed or abraded, trim the part away.
Disconnecting the tube under the door causes about $1/2$ gallon (2 liters) water to flow out. Please put up a big container to prevent it.

1) Remove the hinge cover by loosening the screws. Disconnect all connections except the ground line.

Hinge Cover

Connection Wires

Upper Hinge

Ground Line

2) Remove the keeper by rotating it counter clockwise ① and then lifting the upper hinge up ②.

Keeper
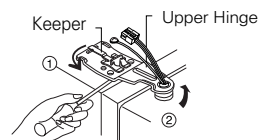
Upper Hinge

NOTE

• When removing the upper hinge, be careful that the door does not fall forward .

3) Remove the freezer compartment door by lifting it upward. This time, the door should be lifted enough for the water feed tube to be completely pulled out.

Enough for water feed pipe tube to be completely pulled out

Lower hinge
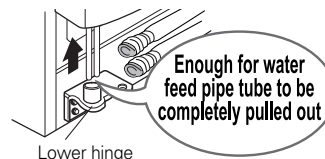
NOTE

• After removing the door, take it into the kitchen where you are installing the refrigerator. Lay it down on a blanket and be careful to avoid damaging the water feed tube.

1) Loosen the hinge cover screws and remove the cover. Remove connection wire, if any, except for the ground line.

Connection Wires
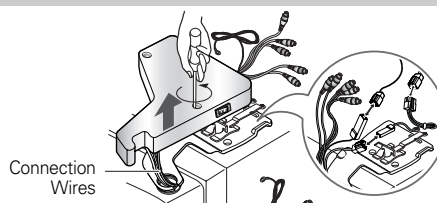
2) Remove keeper by rotating it clockwise (①) and then remove the upper hinge by lifting it up (②).

Upper Hinge

Keeper
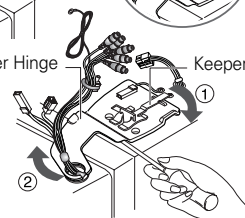
3) Remove the refrigerator compartment door by lifting it up.

Lower Hinge
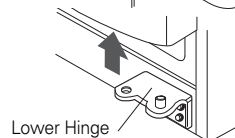
Pass the refrigerator

Pass the refrigerator laterally through the access door as shown in the right figure.
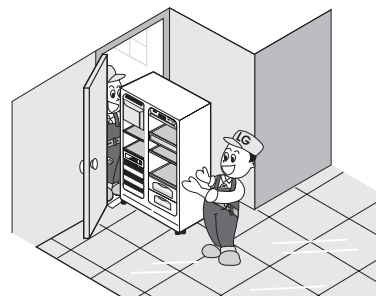
Install the freezer and refrigerator compartment doors

Mount them in the reverse sequence of removal after they pass through the access door.

Water supply installation

Before installation

- Automatic icemaker operation needs water pressure of 21~121 psi (1.5~8.5 kgf/cm^2) (That is, an instant paper cup (6 oz. or 180 cc) will be fully filled within 3 seconds.)
- If water pressure is less than 21 psi (1.5 kgf/cm^2). It is necessary to purchase a separate pressure pump for normal automatic icemaking and cool water feed.
- Keep the total length of the feed water pipe tube within 26' (8 m). Be careful for the tube to avoid being kinked. If the tube is longer than 26' (8 m), the pressure may drop to an unacceptable level.
- Install the water supply line where it will not be affected by heat.

Warning

- Connect to potable water supply only.

Disposal of the old appliance

This appliance contains fluids (refrigerant and lubricant) and is made of parts and materials which are reusable and/or recyclable.
All the important materials should be sent to the collection center of waste material and can be reused after rework (recycling). For recycling, please contact the local agency.

Water connection instruction guide

Read all directions carefully before you begin.

⚠ **Warning**

Connect to potable water supply only.

IMPORTANT

- If operating the refrigerator before installing the water connection, turn the icemaker to the **OFF** position to prevent operation without water.
- All installations must be in accordance with local plumbing code requirements.
- Use copper tubing and check for leaks.
- Install copper tubing only in areas where temperatures will remain above freezing.
- It may take up to 24 hours for your icemaker to begin producing ice.

Tools required

- Standard screwdriver
- $7/16$-inch and $1/2$-inch open-end wrenches or two adjustable wrenches
- $1/4$-inch nut driver
- $1/4$-inch drill bit
- Hand drill or electric drill (properly grounded)

NOTE

- Your refrigerator dealer has a kit available with a 1/4-inch saddle-type shut-off valve, a union, and copper tubing. Before purchasing, make sure a saddle-type valve complies with your local plumbing codes. Do not use a piercing-type or 3/16-inch saddle valve which reduces water flow and clogs more easily.

Cold water supply

The icemaker water valve contains a flow washer which is used as a water pressure regulator.

The icemaker needs to be connected to a cold water line with water pressure 21 psi (lb/inch^2)

Installation

Connect the tubing to water line

1. Unplug the refrigerator or disconnect power.
2. Turn OFF the main water supply. Turn on the nearest faucet to relieve the pressure on the line. It may help to open an outside faucet to allow the water to drain from the line in the house.
3. Find a 1/2-inch vertical COLD water pipe near the refrigerator.

NOTE
• Horizontal pipe will work, but the following precaution must be taken: Drill on the top of the pipe, not the bottom. This will help keep water away from the drill. This also keeps normal sediment from collecting in the valve.

4. To determine the length of copper tubing you will need, measure from the connection on the lower left rear of the refrigerator to the water pipe. Add 7 feet (2.1m) to allow for moving refrigerator for cleaning. Use 1/4-inch O.D. (outside diameter) copper tubing. Be sure both ends of copper tubing are cut square.
5. Using a drill, drill a 1/4-inch hole in the cold water pipe you have selected.
6. Fasten shut-off valve to cold water pipe with pipe clamp. Be sure the outlet end is solidly in the 1/4" drilled hole in the water pipe and the washer is under the pipe clamp. Tighten the packing nut. Tighten the pipe clamp screws carefully and evenly so the washer makes a watertight seal. Do not overtighten or you may crush the copper tubing, especially if soft (coiled) copper tubing is used. Now you are ready to connect the copper tubing.
7. Slip the compression sleeve and the compression nut onto the copper tubing as shown. Insert the end of the tubing into the outlet end squarely as far as it will go. Tighten the compression nut onto the outlet end with a wrench. A flare nut wrench works best, but an open end wrench will suffice. Do not overtighten.
8. Place the free end of the tubing into a container or sink, and turn on the main water supply. Flush out the tubing until the water is clear. Turn off the shutoff valve on the water pipe. Coil the copper tubing as shown below.

Cold Water Pipe
Pipe Clamp
Packing Nut
Coil of Polyethylene or Copper Tubing
Shut Off Valve
Compression Sleeve
Compression Nut

9
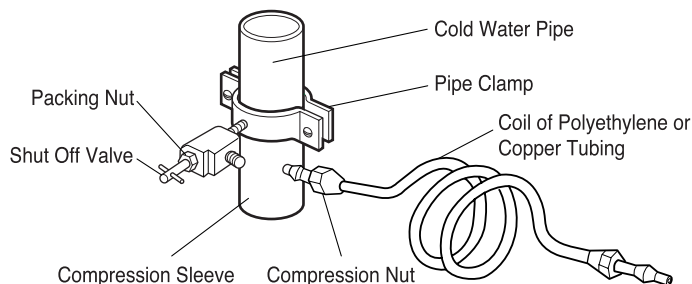
Connect the tubing to the refrigerator

Before making the connection to the refrigerator, be sure the refrigerator power cord is not plugged into the wall outlet.

• If your refrigerator does not have a water filter, we recommend installing one. If your water supply has sand or particles, that could clog the screen of the refrigerator's water valve. Install the filter in the water line near the refrigerator.

Tubing Clamp

1/4″ Tubing

1/4″ Compression Nut

Ferrule (sleeve)

Refrigerator Connection
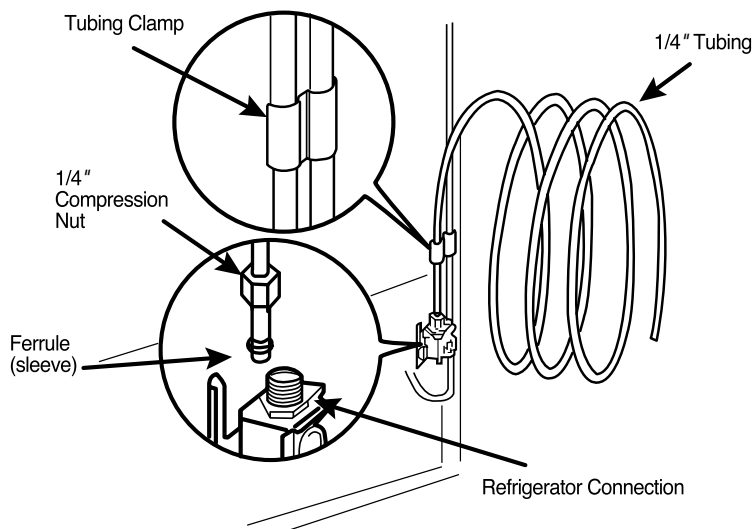
1. Remove the plastic flexible cap from the water valve.

2. Place the compression nut and ferrule (sleeve) onto the end of the tubing as shown.

3. Insert the end of the copper tubing into the connection as far as possible. While holding the tubing, tighten the fitting.

Turn the water on at the shutoff valve

Tighten any connections that leak.

■ **Plug In the Refrigerator**
Arrange the coil of copper tubing behind the refrigerator so it does not vibrate against the back of the refrigerator or against the wall. Push the refrigerator back to the wall.

■ **Start the Icemaker**
Set the icemaker switch to the ON position The icemaker will not begin to operate until it reaches its operating temperature of 15 °F (-9 °C). It will then begin operation automatically.

Height adjustment

If the freezer compartment door is lower than the refrigerator compartment door

Level them by inserting a flat (- type) driver into the groove of the left height adjusting screw and rotating it clockwise (①).
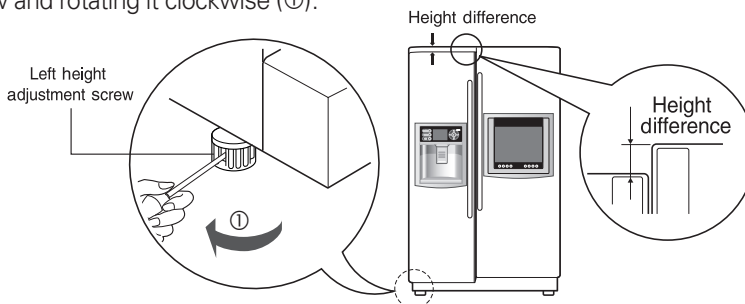
If the freezer compartment door is higher than the refrigerator compartment door

- first method

Level them by inserting a flat (- type) driver into the groove of the right height adjusting screw and rotating it clockwise (①).
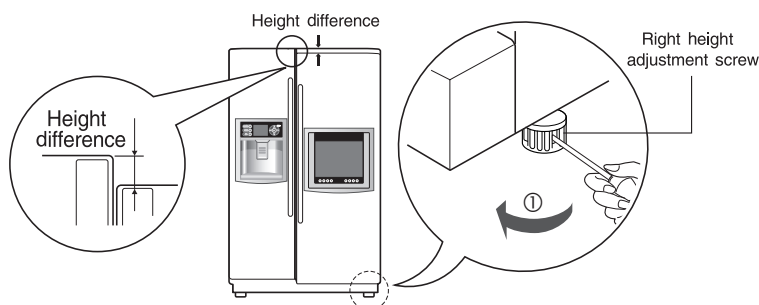
If the freezer compartment door is higher than the refrigerator compartment door

- second method

Adjust the level when the refrigerator door is lower than the freezer door during the use of the refrigerator.
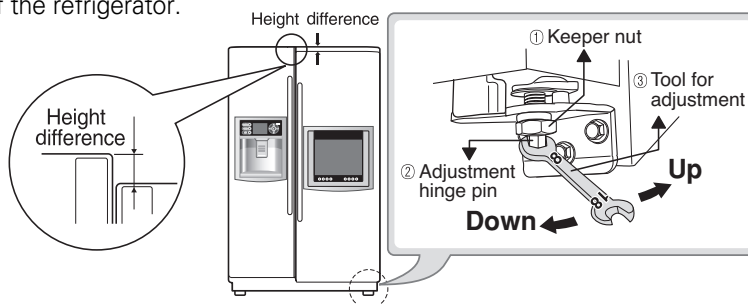
1. Using the wide side of the tool for adjustment ③, turn the keeper nut ② ( ) clockwise to loosen the Keeper nut.

2. Using the narrow side of the tool for adjustment, turn the adjustment hinge pin ② ( ) clockwise or ( ) counterclockwise to level the refrigerator and freezer door.

3. After setting the level of the door, turn the keeper nut( ) counterclockwise to tighten.

⚠ **CAUTION**

Do not force too hard to level the height. The hinge pin can be pulled out.
(Adjustable range of height is a maximum of 2" (5 cm))

After leveling the door height

The refrigerator door will close smoothly by raising the front side by adjusting the height adjusting screw. If the door does not close properly because it is improperly adjusted, the performance of the refrigerator will be affected.

External Equipment Connections

Antenna Connection

- Antenna or Cable Service without a Cable Box Connections
- For optimum picture quality, adjust antenna direction if needed.

Multi-family Dwellings/Apartments
(Connect to wall antenna socket)

wall antenna socket

Main Power

Antenna jack

Bronze Wire

RF coaxial wire (75 ohm)

VHF antenna
UHF antenna

Turn clockwise to tighten.

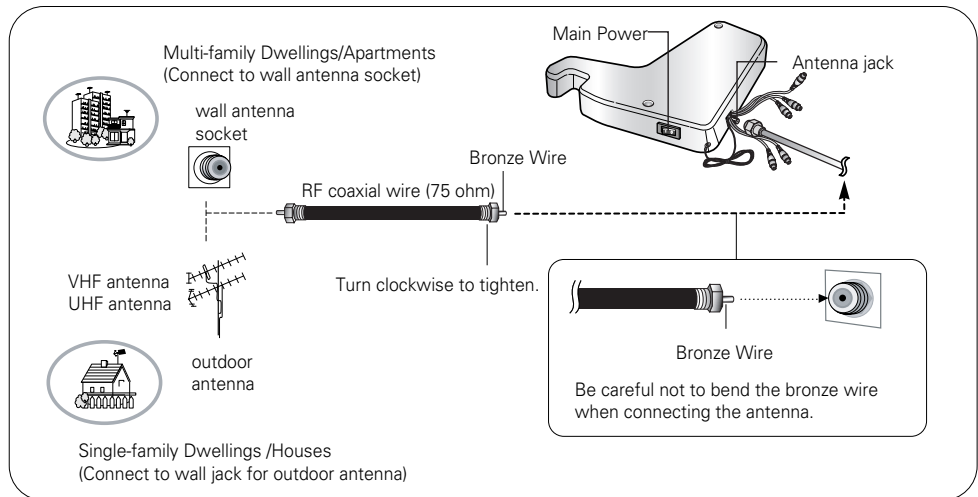outdoor antenna

Bronze Wire

Be careful not to bend the bronze wire when connecting the antenna.

Single-family Dwellings /Houses
(Connect to wall jack for outdoor antenna)

- In a poor signal area to improve picture quality, purchase and install a signal amplifier.
- If the antenna is not installed properly, contact your dealer for assistance.
- Turn the end of the cable to the clockwise direction to be connected to the connector located at the top of the refrigerator.
  Incorrect connection may cause a bad quality.

VHF   UHF
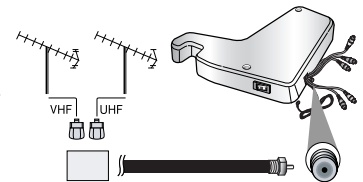
Connecting a VCR / DVD

Connection

1. Connect the audio/video out sockets of the VCR to audio/video in sockets of the set.

2. Press the **INPUT** button to select **Component**.

3. Press the **PLAY** button on the VCR. The VCR playback picture appears on the screen.

Typical Antennas

VCR Connection Panel

ANT IN

S-VIDEO

OUT

Direct Connection

ANT OUT

CH3   CH4

IN

(R) AUDIO (L)

VIDEO
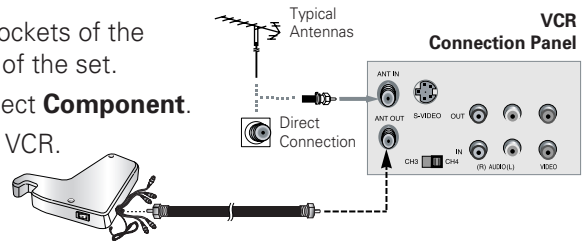
NOTE
• If you have a mono VCR, connect the audio cable from the VCR to the **AUDIO L/MONO** socket of the set.

Cable TV Connections

- After subscribing to a local cable TV service and installing a converter, you can watch cable TV programming.
- For further cable TV information, contact a local cable service provider.

Connection

1. Use the **INPUT** button on the remote control to select **TV**.

2. Tune to cable service provided channels using the cable box.

Cable Box Connection Panel

(R) AUDIO (L)   VIDEO

TV

VCR

RF   Cable
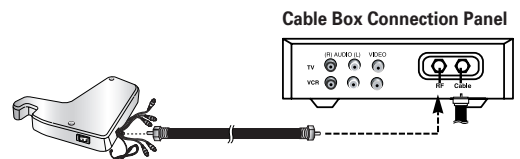
Setup

When your refrigerator is first installed, allow it to stabilize at normal operating temperatures 2~3 hours prior to filling it with fresh or frozen foods.
If operation is interrupted, wait 5 minutes before restarting.

Adjusting the temperatures and functions
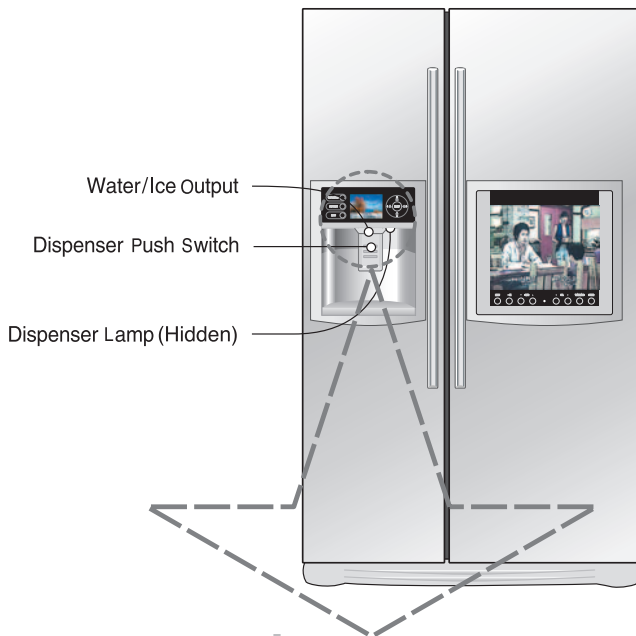
Water/Ice Output

Dispenser Push Switch

Dispenser Lamp (Hidden)

About defective pixels

This LCD display contains hundreds of thousands of individual pixels. LCD displays typically contain a small number of pixels that do not function normally. Your display has been inspected and is in compliance with manufacturer's specifications, indicating that any pixel defects do not affect the operation or use of your display. On a display of this size, 4 or fewer defective pixels are considered to be normal and are not grounds for exchange or refund.

Lock Button

Temperature Button

Function Display Board

Calendar and Anniversary Reminder

Select

TEMPERATURE

DISPENSER

MENU

34°F
-2°F
01/06 Fri
11:04 AM
Room
32°F

SELECT

Menu Button

Dispenser Light Button

Dispenser Button

Door Alarm Button
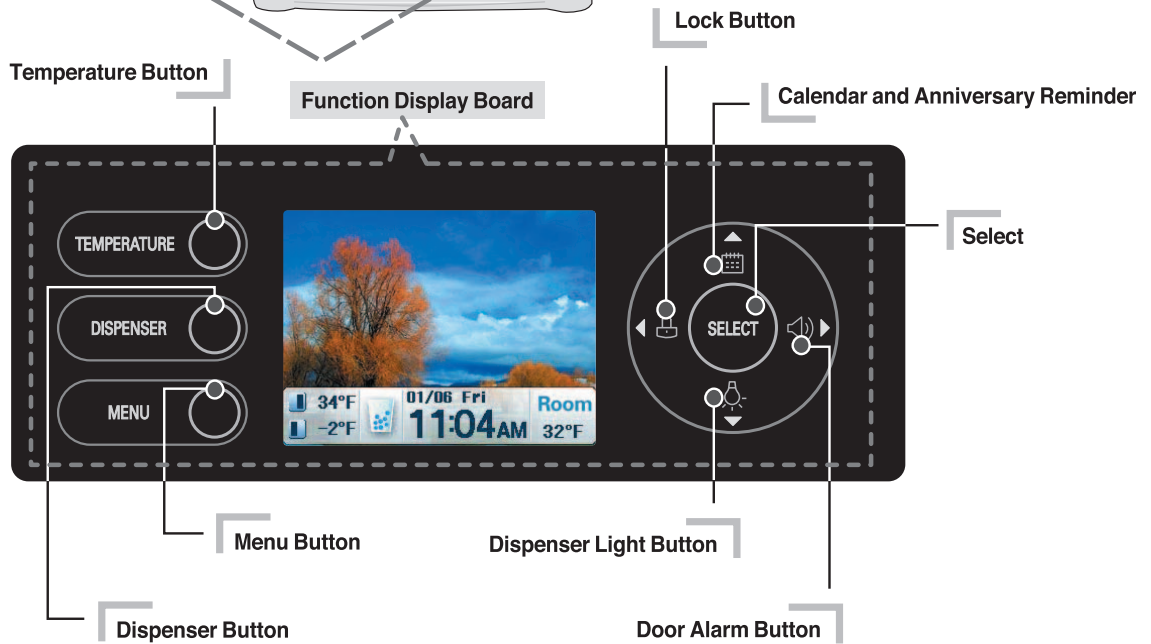
NOTE
• Your model may not include every option.
• The LCD backlight lamp of this product contains mercury,
  Dispose according to Local, State or Federal Laws.

13

Temperature

Refrigerator/Freezer

- You can adjust the freezer and refrigerator temperature.

1

TEMPERATURE

Press the **TEMPERATURE** button.

2

Temperature

Refrigerator 37°F

Freezer −2°F

IcePlus Use
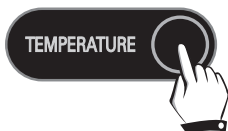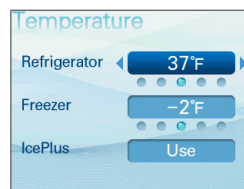
Using the ▲ or ▼ button, select the desired refrigerator.

3 Select the temperature using the ◀ or ▶ button.

Refrigerator temperature options: 46, 41, 37, 34, or 32°F

Freezer temperature options: 7, 1, -2, -5, or -8°F

4 Press the **SELECT** button. *5* Return to the standby screen.

IcePlus

- For quick freezing.
- The standby screen is shown during IcePlus IcePlus operation.

1

TEMPERATURE

Press the **TEMPERATURE** button.

2

Temperature

Refrigerator 37°F

Freezer −2°F

IcePlus Use
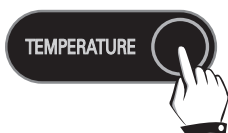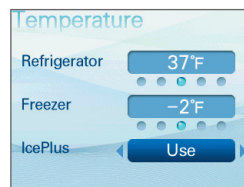
Press the ▲ or ▼ button to select **IcePlus**.

3 Press the ◀ or ▶ button to select **Use**.
[Use] <--> [Not in Use]

4 Press the **SELECT** button.

5

⓵ Processing IcePlus!

6 Return to the standby screen.

- The indicated set temperature is not the actual temperature within the refrigerator but the target temperature. The actual internal temperature can differ, especially if the door is opened and warm food was recently stored.
- Initially the refrigeration is weak. Adjust the temperature as mentioned above after using the refrigerator for at least 2 to 3 days.

Dispenser

Crush/Water/Cube

- You can select from Crush, Water or Cube options.
- When the dispenser is in use, the active option is indicated in the standby screen.
- Crush [icon] , Water [icon] , Cube [icon] .

1 Press the **DISPENSER** button.

2
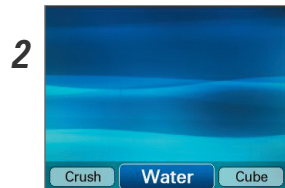
Crush **Water** Cube

Select the desired option using the ◀ and ▶ buttons.

[Crush] <--> [Water] <--> [Cube]

3 Press the **SELECT** button.

4

ⓘ
You have successfully changed Dispenser setting.

Crush **Water** Cube
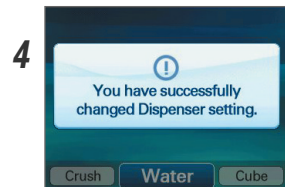
5 Return to the standby screen.

Automatic icemaker

Water Amount Indicator Light

Feeler Arm

Water Amount Selection Button

Power Switch
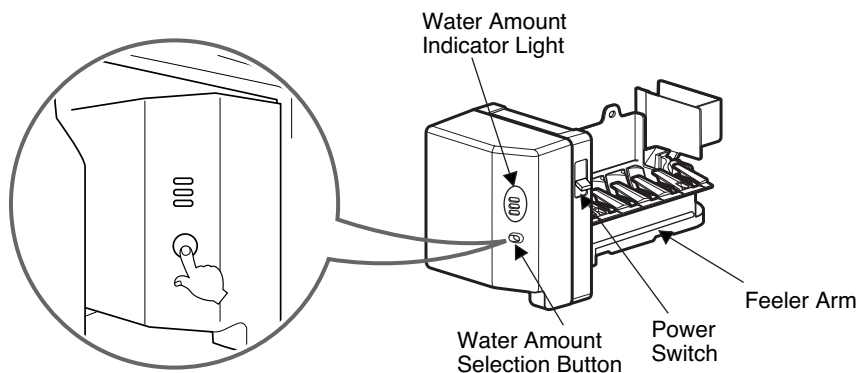
- The automatic icemaker can automatically make 6 cubes at a time, 70~120 pieces per day. This quantity may vary by circumstance, including ambient temperature, door opening, freezer load. etc.

- Icemaking stops when the ice storage bin is full.

- If you don't want to use the automatic icemaker, turn the icemaker switch to OFF. If you want to use automatic icemaker again, change the switch to ON.

- The water amount will vary depending on the water amount selection button. Setting, as well as the water pressure of the connected water line.

NOTE
• It is normal that a noise is produced when ice drops into the ice storage bin.

Menu

You can select from Information, Gourmet Recipes, Refrigerator, Settings, and Photo Album function.

1 MENU

Press the **MENU** button.

2

3 Select the menu using the ▲ and ▼ buttons.
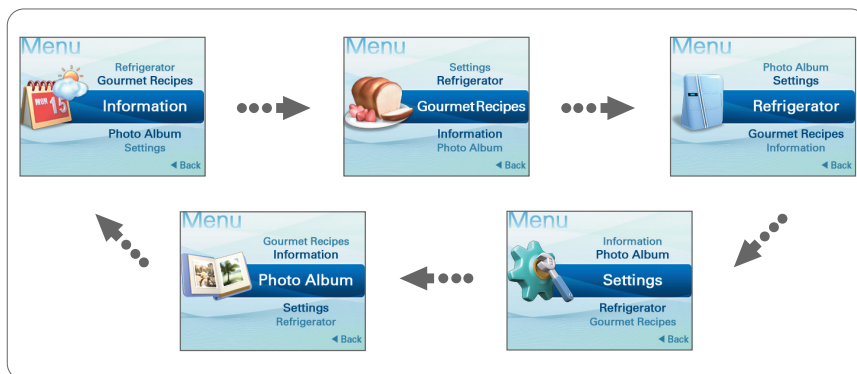
4 Press the **SELECT** button.

5 You will see the detail menu.

Information

You can select from Weather Forecast, Anniversary Reminder, Date and Time Setting, or Timer function.

❐ *Weather Forecast*

- Receives and displays the weather and temperature for 5 days, including the current day.

- Reception of weather forecast information received and displayed on the screen is subject to vary depending on your region and location of refrigerator.

- Thereby LG does not guarantee and will not be held responsible for accuracy of the weather information.

- Check your zip code in this manual pages 151 or www.ambientdevices.com/cat/device/coverage.html

- Weather forecast information is only available in U.S.A

1

2

Press the ▲ or ▼ button to select **Weather Forecast**.

3
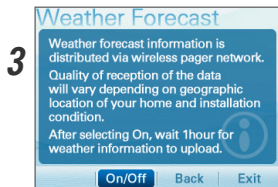
Press the ◀ or ▶ button to select **On/Off**.

4

Press the ◀ or ▶ button to select **On**.

5
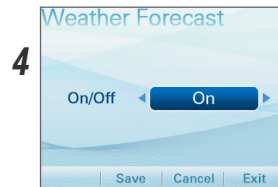
Select the desired region using the ◀ or ▶ button.

6

7 Return to the **Information** menu.

❒ *Anniversary Reminder*

- Register the anniversary date.

- Select the Anniversary reminder using the button.

< To set a new date >

1

Menu
Refrigerator
Gourmet Recipes
Information
Photo Album
Settings
◀ Back

2

Information
Weather Forecast
Anniversary Reminder
Date & Time Setting
Timer
Back | Exit

Press the ▲or ▼ button to
select **Anniversary Reminder**.

3

Anniversary Reminder
◀ **JANUARY 2006** ▶
S M T W T F S
01   1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30
List | Back | Exit

Anniversary Reminder
JANUARY 2006
S M T W T F S
01   1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30
List | Back | Exit

Select the month using the ◀ or ▶ button.

Press the ▼ button and then select the date using the ◀ or ▶ button.

4

Anniversary Reminder
January 6, 2006
Category ◀ **Birthday** ▶
Who   Mother
Alarm   1 Day Before
Setting 10:00am
Save | Delete | Cancel | Exit

Select the menu using
the ▲ or ▼ button.

Select the advance time
using the ◀ or ▶ button.

5

Anniversary Reminder
January 6, 2006
Category   Birthday
Who   Mother
Alarm   1 Day Before
Setting   10:00am
Save | Delete | Cancel | Exit

Press the ▼ button
to select **Save**.

6 Return to the **Information** menu.

The anniversary reminder alarm goes off

The alarm will go off at the set date
and time, and the anniversary will be
displayed in the screen.

< To view the anniversary list >

1
Menu
Refrigerator
Gourmet Recipes
Information
Photo Album
Settings
◄ Back

2
Information
Weather Forecast
Anniversary Reminder
Date & Time Setting
Timer
Back   Exit

Press the ▲ or ▼ button to
select **Anniversary Reminder**.

3
Anniversary Reminder
JANUARY 2006
S M T W T F S
01   1   2   3
4   5   6   7   8   9   10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30
List   Back   Exit

Press the ▲ or ▼ button
to select **List**.

4
Anniversary Reminder
◄ 1/2 ►
November 1   Wedding
November 14   Birthday
November 27   Others
December 3   Birthday
December 11   Others
Back   Exit

You can check the detail menu using
the ◄ or ► button.

❐ *Data & Time Setting*

To set the date and time.

1
Menu
Refrigerator
Gourmet Recipes
Information
Photo Album
Settings
◄ Back

2
Information
Weather Forecast
Anniversary Reminder
Date & Time Setting
Timer
Back   Exit

Press the ▲ or ▼ button to select
Data & Time Setting.

3
Date & Time
Year   ◄   2006   ►
Month   January
Date   6
Hour   11am
Minutes   33
Save   Cancel   Exit

Select the menu using
the ▲ or ▼ button.

Select the value using
the ◄ or ► button.

4
Date & Time
Year   2006
Month   January
Date   10
Hour   10am
Minutes   36
Save   Cancel   Exit

Press the ▼ button to select **Save**.

5 Return to the **Information** menu.

19

❒ *Timer*

To set the alarm.

1
Menu
Refrigerator
Gourmet Recipes
Information
Photo Album
Settings
◂ Back

2
Information
Weather Forecast
Anniversary Reminder
Date & Time Setting
Timer
Back | Exit

Press the ▲ or ▼ button
to select **Timer**.

3
Timer
◂ Use ▸
2 Hour
35 Minutes Later
Save | Cancel | Exit
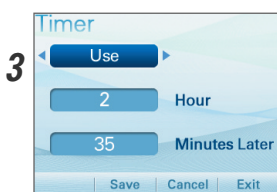
Select the time using
the ◂ or ▸ button.
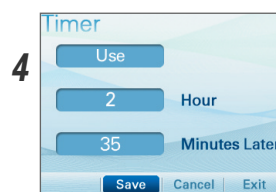
4
Timer
Use
2 Hour
35 Minutes Later
Save | Cancel | Exit

Press the ▼ button
to select **Save**.

5 Return to the Information menu.

⏰ Alarm!
12:35am
32°F JUN 30 MON 10:35AM 69°F
-8°F
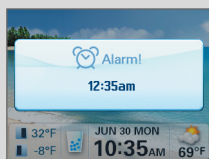
**- The alarm will go off at the set time, and
the timer image will be displayed in the
screen.**

20

Gourmet Recipes

Select the recipe after selecting the menu category of dish.

1

Menu
Settings
Refrigerator
Gourmet Recipes
Information
Photo Album
◄ Back

2

Recipes
1 Appetizer
2 Soups
3 Salasds
4 Meat
► Next List
Back | Exit

Recipes
◄ Previous List
5 Poultry
6 Seafood
7 Vegetarian
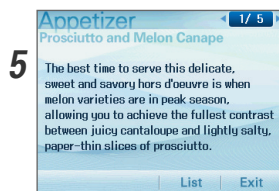► Next List
Back | Exit

Recipes
◄ Previous List
8 Side Dishes
9 Dessert
10 Breakfast / Brunch
Back | Exit

Select the menu category using the ▲ or ▼ button.

3

Gourmet Recipes Appetizer
3/9
◄ 03 Prosciutto and Melon Canape ►
Back | Exit

You can select the dish
using the ◄ or ► button.

4

Prosciutto and
Melon Canape
More Back | Exit

Press the ▼ button
to select **More**.

5

Appetizer ◄ 1/ 5 ►
Prosciutto and Melon Canape
The best time to serve this delicate,
sweet and savory hors d'oeuvre is when
melon varieties are in peak season,
allowing you to achieve the fullest contrast
between juicy cantaloupe and lightly salty,
paper-thin slices of prosciutto.
List | Exit

You can select the detail menu
using the ◄ or ► button.

6

Appetizer 1/ 5
Prosciutto and Melon Canape
The best time to serve this delicate,
sweet and savory hors d'oeuvre is when
melon varieties are in peak season,
allowing you to achieve the fullest contrast
between juicy cantaloupe and lightly salty,
paper-thin slices of prosciutto.
List | Exit

Press the ▼ button
to select **List**.

7 Return to the **Gourmet Recipes** menu.

Refrigerator

You can select from Filter reset, Door alarm, Dispenser light, Manual, and Service Call functions.

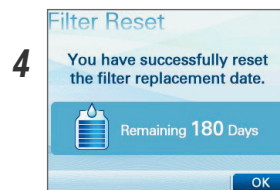### ❒ *Filter Reset*

Reminds you when to replace the filter.

< When the filter exchange date is still not due. >

1

Menu
Photo Album
Settings
Refrigerator
Gourmet Recipes
Information
◄ Back

2

Refrigerator
Filter Reset
Door Alarm
Dispenser Light
Owner's Manual
Service Call Info.
Back | Exit

Press the ▲ or ▼ button to select **Filter Reset**.

3

Filter Reset
Would you like to reset the filterreplacemenet date?
You have 175 days remaining until filter replacement.
Reset | Cancel | Exit

Press the ◄ or ► button to select **Reset**.

4

Filter Reset
You have successfully reset the filter replacement date.
Remaining 180 Days
OK

Press the **SELECT** button.

5 Return to **Refrigerator** menu.

22

< When the filter exchange date is overdue. >

1

Menu
Photo Album
Settings
Refrigerator
Gourmet Recipes
Information
◄ Back

2

Refrigerator
Filter Reset
Door Alarm
Dispenser Light
Owner's Manual
Service Call Info.
Back | Exit

Press the ▲ or ▼ button
to select **Filter Reset**.

3

Filter Reset
Would you like to reset
the filterreplacemenet date?

Filter replacement date
8 has **Expired.**

Reset | Cancel | Exit

Press the ◄ or ► button
to select **Reset**.

4

Filter Reset
You have successfully reset
the filter replacement date.

Remaining 180 Days

OK
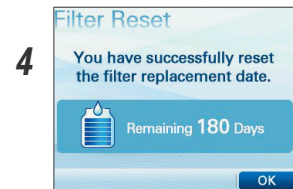
Press the **SELECT** button.

5 Return to **Refrigerator** menu.

- **You will see a message notifying you how long it will be before you need
  to change the filter.**

You have 14 days remaining
until filter replacement.
Reset | Later
35°F | 11/20 Mon
-2°F | 10:35AM | 69°F

····►

Filter Reset
You have successfully reset
the filter replacement date.
Remaining 180 Days
OK

····►
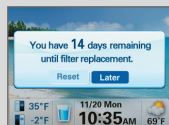
Return to the
standby screen.

Press the ◄ or ►
button to select **Reset**.

Press
the **SELECT** button.

- If you choose to cancel filter exchange setting.

You have 14 days remaining
until filter replacement.
Reset | Later
35°F | 11/20 Mon
-2°F | 10:35AM | 69°F

····►

Press
the **SELECT** button.

····►

Filter
Reset
-32°F | Jan 22 SUN
-8°C | 10:25AM | 32°F

Press the ◄ or ► button
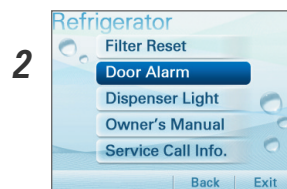to select **Later**.

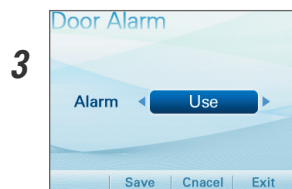You will see the filter exchange
sign in the standby screen.

❐ *Door Alarm*

This is the function of notifying you every 30 seconds that the refrigerator door is open for more than 1 minute.
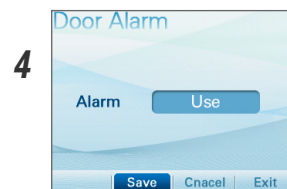
- 🔊 ▶ You can turn the door alarm on or off.

1

Menu
Photo Album
Settings
Refrigerator
Gourmet Recipes
Information
◀ Back

2

Refrigerator
Filter Reset
Door Alarm
Dispenser Light
Owner's Manual
Service Call Info.
Back | Exit

Press the ▲ or ▼ button to select **Door Alarm**.

3

Door Alarm

Alarm ◀ Use ▶

Save | Cnacel | Exit

Press the ◀ or ▶ button to select **Use** or **Not in Use**.

4

Door Alarm

Alarm Use

Save Cnacel Exit

Press the ▼ button to select **Save**.

5 Return to the **Refrigerator** menu.

- You will see the door alarm message.
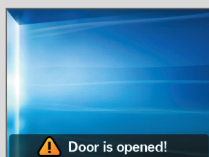
⚠ Door is opened!

- **When using the Door Alarm**
  This notifies you every 30 seconds that the refrigerator door is open for more than 1 minute.

- **When not using the Door Alarm**
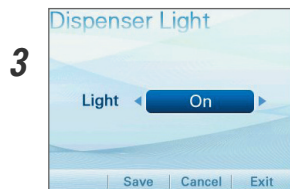 The alarm will not go off even when the refrigerator door is open.

❐ *Dispenser Light*

This function controls the LED lamp located on the dispenser.
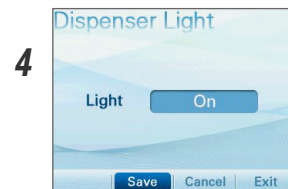
- Press this icon turn the dispenser light on or off.

1

Menu
Photo Album
Settings
Refrigerator
Gourmet Recipes
Information
◀ Back

2

Refrigerator
Filter Reset
Door Alarm
Dispenser Light
Owner's Manual
Service Call Info.
Back | Exit

Press the ▲ or ▼ button to
select **Dispenser Light**.

3

Dispenser Light
Light ◀ On ▶
Save | Cancel | Exit

Press the ◀ or ▶ button
to select **On**.
[On] <--> [Off]
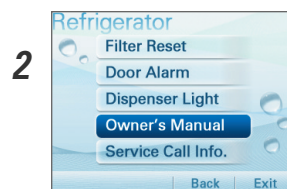
4

Dispenser Light
Light On
Save | Cancel | Exit

Press the ▼ button to select **Save**.
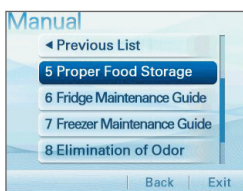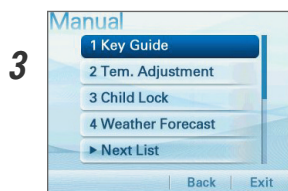
5 Return to the **Refrigerator** menu.

- **When On is selected,** the dispenser light is always on.
- **When Off is selected,** the dispenser light is turned on only when the dispenser lever is pressed.

❒ *Owner's Manual*

You can select from Key Guide, Tem. Adjustment, Child Lock, Weather Forecast, Proper Food Storage, Fridge Maintenance Guide, Freezer Maintenance Guide or Elimination of Odor function.

1

Menu
Photo Album
Settings
Refrigerator
Gourmet Recipes
Information
◄ Back

2

Refrigerator
Filter Reset
Door Alarm
Dispenser Light
Owner's Manual
Service Call Info.
Back | Exit

Press the ▲ or ▼button to select **Owner's Manual** .

3

Manual
1 Key Guide
2 Tem. Adjustment
3 Child Lock
4 Weather Forecast
▶ Next List
Back | Exit

Manual
◄ Previous List
5 Proper Food Storage
6 Fridge Maintenance Guide
7 Freezer Maintenance Guide
8 Elimination of Odor
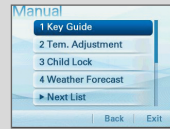Back | Exit

Select the menu using the ▲ or ▼button.

4 Press the **SELECT** button.

5 Select the detail menu using the ◄ or ► button.

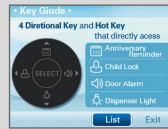*6* Press the ▼ button to select **List**.
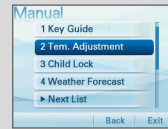
7 Return to Refrigerator menu.

1. Key Guide

Manual
1 Key Guide
2 Tem. Adjustment
3 Child Lock
4 Weather Forecast
▶ Next List
Back | Exit

• Key Giude •
4 Diretional Key and Hot Key
that directly acess
Anniversary Reminder
Child Lock
Door Alarm
Dispenser Light
List | Exit

Press the ▲ or ▼ button to select **Key Guide**.

You will see the detail menu.

2. Tem. Adjustment

Manual
1 Key Guide
2 Tem. Adjustment
3 Child Lock
4 Weather Forecast
▶ Next List
Back | Exit

• Temp. Adjustment • ◀ 1 / 2 ▶
1. Press the **Temperature** button
Temperature
List | Exit
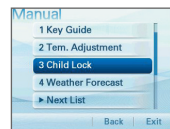
Press the ▲ or ▼ button to select **Tem. Adjustment**.

You can check the detail menu using the ◀ or ▶ button.

3. Child Lock

Manual
1 Key Guide
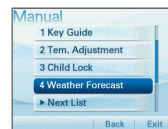2 Tem. Adjustment
3 Child Lock
4 Weather Forecast
▶ Next List
Back | Exit

• Child Lock • ◀ 1 / 2 ▶
Locking or Release icon is repeated whenever the button is pressed for 3 seconds.
In selecting Lock, **Locking Icon** is displayed on the Screen.
List | Exit

Press the ▲ or ▼ button to select **Child Lock**.
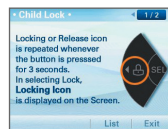
You can check the detail menu using the ◀ or ▶ button.

4. Weather Forecast

Manual
1 Key Guide
2 Tem. Adjustment
3 Child Lock
4 Weather Forecast
▶ Next List
Back | Exit

• Weather Forecast • ◀ 1 / 5 ▶
It displays the nearest city as default. And you can choose **5 cities** near nearby.
Weather Forecast
◀ San Francisco ▶
12 / 21 Wednesday | 22 MON | 23 FRI | 24 SAT | 25 SUN
List | Exit

Press the ▲ or ▼ button to select **Weather Forecast**.

You can check the detail menu using the ◀ or ▶ button.

5. Proper Food Storage

Manual
◀ Previous List
5 Proper Food Storage
6 Fridge Maintenance Guide
7 Freezer Maintenance Guide
8 Elimination of Odor
Back | Exit

• Proper Food Storage • ◀ 1 / 4 ▶
Do not store food for a long period of time.
Refrigerator is to maintain the freshness of the food, not to kill germs in contaminated food. Therefore do not over-rely that it is fresh since germs do grow slowly when the food is kept for a long period of time.
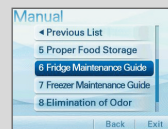List | Exit

Press the ▲ or ▼ button to select **Proper Food Storage**.
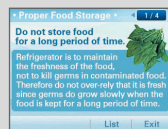
You can check the detail menu using the ◀ or ▶ button.

6. Fridge Maintenance Guide

Manual
◀ Previous List
5 Proper Food Storage
6 Fridge Maintenance Guide
7 Freezer Maintenance Guide
8 Elimination of Odor
Back | Exit

• Maintenance Guide 1 • ◀ 1 / 4 ▶
Refrigerator Maintenance Guide
Wash and dry the fruits to store. Do not store fruits for a long period of time that can go bad easily in low temperature, such as bananas, pineapples and melons.
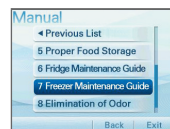Do not put egg containers in the freezer. Eggs will freeze and not be edible.
List | Exit

Press the ▲ or ▼ button to select **Fridge Maintenance Guide**.
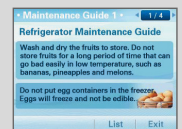
You can check the detail menu using the ◀ or ▶ button.

7. Freezer Maintenance Guide

Manual
◀ Previous List
5 Proper Food Storage
6 Fridge Maintenance Guide
7 Freezer Maintenance Guide
8 Elimination of Odor
Back | Exit

• Maintenance Guide 2 • ◀ 1 / 5 ▶
Freezer Maintenance Guide
Honey If you store honey for long time, it will turn white or the sweetness will be weaker. Therefore put the honey in a plastic container and store it in the freezer.
List | Exit

Press the ▲ or ▼ button to select **Freezer Maintenance Guide**.

You can check the detail menu using the ◀ or ▶ button.

8. Elimination of Oder

Manual
◀ Previous List
5 Proper Food Storage
6 Fridge Maintenance Guide
7 Freezer Maintenance Guide
8 Elimination of Odor
Back | Exit

• Elimination of Odor • ◀ 1 / 5 ▶
Oak tree leaves Put oak tree leaves soaked in water on the floor of the refrigerator to deodorize the refrigerator. Oak tree leaves contain a lot of flavonoid and tannin, which combines with the smelling elements from the food and becomes deposited and also has an effect of preventing the food from going bad.
List | Exit

Press the ▲ or ▼ button to select **Elimination of Odor**.
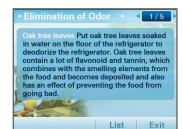
You can check the detail menu using the ◀ or ▶ button.

❐ *Service Call Info.*

This shows the number to call for service in the US or Canada.

1

Menu

Photo Album
Settings
Refrigerator
Gourmet Recipes
Information
◀ Back

2

Refrigerator

Filter Reset
Door Alarm
Dispenser Light
Owner's Manual
Service Call Info.
Back | Exit

Press the ▲ or ▼ button
to select **Service Call Info.**

3

Service Call

US Service Call Center
1-800-243-0000
CANADA Service Call Center
1-888-542-2623
Back | Exit

You will see the detail menu.

Settings

You can select from Display Image, Display Theme, Power Saver,
Screen Backlight/Button Sound, or ˚C/˚F Setting function.

1

Menu

Information
Photo Album
Settings
Refrigerator
Gourmet Recipes
◀ Back

2

Settings

Display Image
Display Theme
Power Saver
Screen Backlight / Button Sound
˚C / ˚F Setting
Back | Exit

Select the menu using
the ▲ or ▼ button.

3

Display Mode

PHOTO1
5/12
Preview | Save | Cancel | Exit

Select and Save the menu you
want using the ◀ or ▶ button.

4 Return to the **Settings**
list menu.

28

❐ *Display Image*

You can select the standby screen setting.

1

Press the ▲ or ▼ button to select **Display Image**.

2

Select the desired photo using the ◀ or ▶ button.

Press the ▼ button to select **Preview**.

3

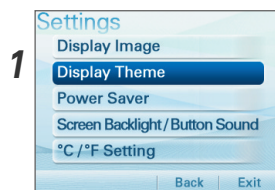You can preview other standby screens using the ◀ or ▶ button.
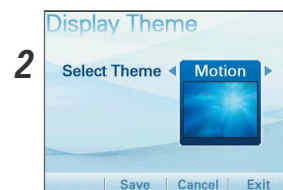
4

Press the ▼ button to select **Save**.

5

❐ *Display Theme*

You can select the screen theme setting.

1

Press the ▲ or ▼ button to select the **Display Theme**.

2

Select the menu using the ◀ or ▶ button.

Press the ▼ button to select **Save**.

[Character] <--> [Motion]

❒ *Power Saver*

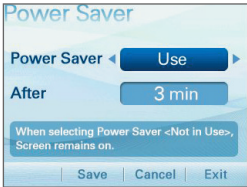You can select the Power Saver function.

< When Power Saver function is selected >

- When selecting [Use of Power Saver], the LCD screen backlight turns off after eclipse of designated time.

1
Settings
Display Image
Display Theme
Power Saver
Screen Backlight / Button Sound
°C / °F Setting
Back   Exit

Press the ▲ or ▼ button to select **Power Saver**.

2
Power Saver
Power Saver ◄ Use ►
After   3 min
When selecting Power Saver <Not in Use>, Screen remains on.
Save   Cancel   Exit

Press the ◄ or ► button to select **Use**.

3
Power Saver
Power Saver   Use
After ◄ 3 min ►
When selecting Power Saver <Not in Use>, Screen remains on.
Save   Cancel   Exit

Select the desired time using the ◄ or ► button.

[1min] <--> [3min] <--> [5min]

4 The Power Saver turns the display off at the preset time.

< When Power Saver function is not selected >

- When selecting [Not in Use of Power Saver], the LCD screen is converted to Screen Protector after a minute.

1
Settings
Display Image
Display Theme
Power Saver
Screen Backlight / Button Sound
°C / °F Setting
Back   Exit

Press the ▲ or ▼ button to select **Power Saver**.

2
Power Saver
Power Saver ◄ Not in Use ►
Option   Clock
When selecting Power Saver <Not in Use>, Screen remains on.
Save   Cancel   Exit

Press the ◄ or ► button to select **Not in Use**.

3
Power Saver
Power Saver   Not in Use
Option ◄ Clock ►
When selecting Power Saver <Not in Use>, Screen remains on.
Save   Cancel   Exit

Select the menu using the ◄ or ► button.

2006. 1.13.   AM
09:53

**[Clock]**   **[Photo]**   **[Not in Use]**

- When you select the **Photo**, the pictures saved in the photo album will be shown in slideshow.

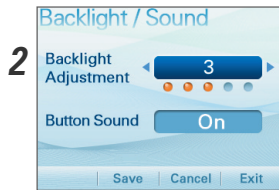- When selecting **Not in Use**, the current standby screen is saved as Screen Saver.

30

❐ *Screen Backlight/Button Sound*

- You can adjust the screen brightness.
- When selecting the button sound, you can turn the button sound on or off.

1
Settings
Display Image
Display Theme
Power Saver
Screen Backlight / Button Sound
°C / °F Setting
Back   Exit
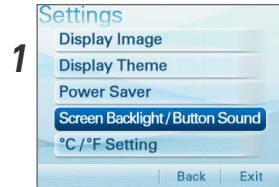
Press the ▲ or ▼ button to select
Screen Backlight/Button Sound.

2
Backlight / Sound
Backlight Adjustment   ◄   3   ►
Button Sound   On
Save   Cancel   Exit

Select the brightness value using
the ◄ or ► button.

Press the ▼ button to select **Save**.
[1 <--> 2 <--> 3 <--> 4 <--> 5]

Backlight / Sound
Backlight Adjustment   3
Button Sound ◄   On
Save   Cancel   Exit
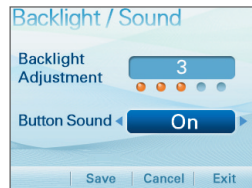
Select and Save the menu you want
using the ◄ or ► button.
[On] <--> [Off]

❐ *°C/°F Setting*

1
Settings
Display Image
Display Theme
Power Saver
Screen Backlight / Button Sound
°C / °F Setting
Back   Exit

Press the ▲ or ▼ button
to select °**C/°F Setting.**

2
°C / °F Setting
Select Unit   ◄   Fahrenheit   ►
Save   Cancel   Exit

Select the menu you want
using the ◄ or ► button.
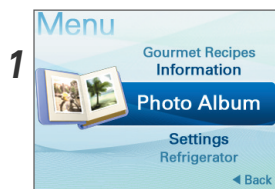**[Centigrade] <--> [Fahrenheit]**

Press the ▼ button to select **Save**.

Photo Album
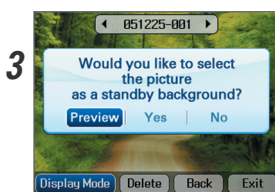
You can register a photo or setup the standby screen.

< When setting to the standby screen >

1
Menu
Gourmet Recipes
Information
Photo Album
Settings
Refrigerator
◄ Back

2
Photo Album
4/10
DSCN0001
Import | Delete All | Back | Exit

Select the desired photo using
the ◄ or ► button.

3
◄ 051225-001 ►
Would you like to select
the picture
as a standby background?
Preview Yes | No
Display Mode | Delete | Back | Exit

Press the ▼ button
to select **Display Image**.

Press the ◄ or ► button
to select **Preview**.

4
DSCN0006
32°F 12/25 Sun
-8°F 10:25 Save Close

Press the ◄ or ► button to
select **Save**.

5
DSCN0006
ⓘ
Display setting complete!
32°F 12/25 Sun
-8°F 10:25 Save Close

6 Return to the standby screen.

32

< When deleting >

1
Menu
Gourmet Recipes
Information
Photo Album
Settings
Refrigerator
◄ Back

2
Photo Album   4/10
DSCN0001
Import | Delete All | Back | Exit

Select the desired photo using
the ◄ or ► button.

3
051225-001
Would you like to
delete the selected picture?
Yes   No
Display Mode | Delete | Back | Exit

Press the ▼ button to select
Delete.

Press the ◄ or ► button to
select **Yes**.

4
DSCN0006
The Selected picture
has been deleted!
32°F   12/25 Sun
-8°F   Save   Close
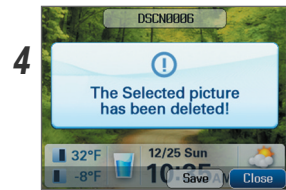
Press the ◄ or ► button to
select **Save**.

5 Return to the standby screen.

< When deleting all>
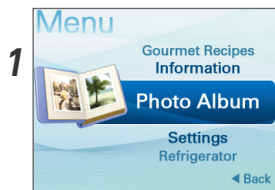
1
Menu
Gourmet Recipes
Information
Photo Album
Settings
Refrigerator
◄ Back

2
Photo Album   4/10
DSCN0001
Import | Delete All | Back | Exit

Press the ▼ button to select
Delete All.

3
Photo Album
Would you like to
delete all pictures?
Yes   No
1/6
Delete All | Back | Exit

Press the ◄ or ► button
to select **Yes**.

4
Photo Album
The album is empty!
1/6
Delete All | Back | Exit
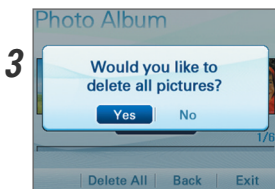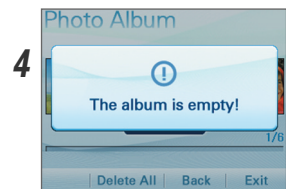
Return to the standby screen.

< When registering the photo >

1 Photo Album
Reading USB memory data...
1/6
Delete All | Back | Exit

2 Photo Album Import
20051225-01
1/6
Import | Back | Exit

3 Photo Album Import
Downloading...
1/6
Import | Back | Exit

When you connect the USB Memory Stick to the USB port, it reads the photo data and adds the album list.

< When using USB Memory Stick >

1 Menu
Gourmet Recipes
Information
Photo Album
Settings
Refrigerator
◄ Back

2 Photo Album
4/10
DSCN0001
Import | Delete All | Back | Exit
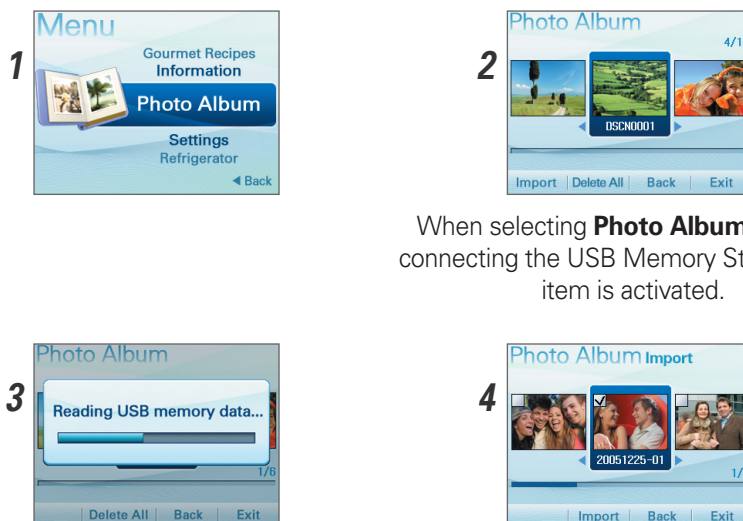
When selecting **Photo Album** and then connecting the USB Memory Stick, **Import** item is activated.

3 Photo Album
Reading USB memory data...
1/6
Delete All | Back | Exit

When selecting **Import**, it reads data from the USB Memory Stick. The Pop-up screen appears to inform progress process during reading.

4 Photo Album Import
20051225-01
1/6
Import | Back | Exit

After setting up desired photo from data read, select **Import**.

5 Photo Album Import
Downloading...
1/6
Import | Back | Exit

After **Import Check** popup screen appears, you can check photo from the photo album list.

- Position of USB Memory Stick for refrigerator.

- If desiring to use the USB Memory Stick, firstly select the photo album item and then insert the USB Memory Stick.

- It takes several seconds if reading photo from the USB Memory Stick.

- Use the product where photo is saved in the USB. If any photo are not saved, firstly save photo in the USB Memory Stick.

- The Avatar Display applied to this refrigerator uses O/S(Window CE), which recognition depends on the kinds of USB Memory Stick. When the USB which was recognized before, is not recognized currently, make it authorization again after powering off.
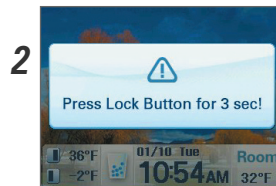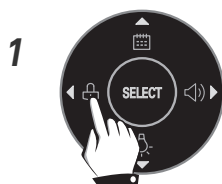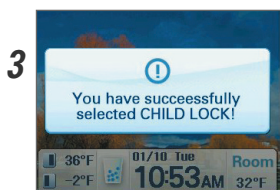
34
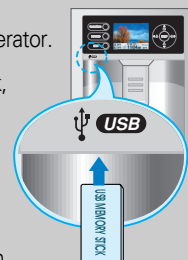
Lock

Lock can be used to disable the buttons and prevent tamperng with the settings.

- ◀ 🔒 Select Lock using the buttons.

- Lock or unlock buttons and dispenser by pressing down the button for 3seconds.

- When lock is selected, the dispenser and buttons will be locked and will not operate.

- When lock is selected, the lock icon will appear on the screen.
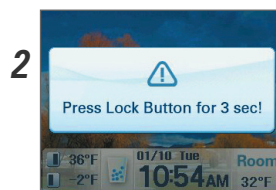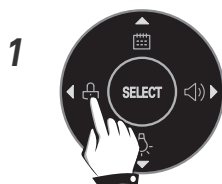
< To set the Lock >

1

2

Press Lock Button for 3 sec!

36°F 01/10 Tue Room
-2°F 10:54AM 32°F

When you see this message, press the **Lock** button for 3 seconds.

3

You have succeessfully selected CHILD LOCK!

36°F 01/10 Tue Room
-2°F 10:53AM 32°F

You will see this message.

4 Return to the standby screen.

< To cancel the Lock >

1

2

Press Lock Button for 3 sec!

36°F 01/10 Tue Room
-2°F 10:54AM 32°F

When you see this message, press the **Lock** button for 3 seconds.

3

CHILD LOCK Cancelled!

36°F 01/10 Tue Room
-2°F 11:02AM 32°F

You will see this message.

4 Return to the standby screen.

CHILD LOCK is set!

36°F 01/10 Tue Room
-2°F 11:02AM 32°F
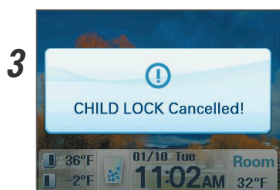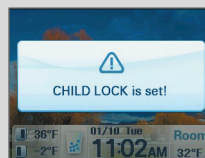
Pressing the Refrigerator button when the Lock is set will display this message.

Other functions

Ambient Temperature Display Window.

- Temperature is displayed only between 16°F ~ 120°F (-9°C ~ 49°C).
- Temperature less than 15°F (-9°C) is indicated with LO and temperature more than 121°F (49°C) is indicated with HI.

Room
32°F

Diagnostic (failure detection) function

- The diagnostic function automatically detects failure when failure is found in product during the use of refrigerator.
- If your refrigerator fails, do not turn off the power. Call 1-800-243-0000 24/7 and select the option to locate an authorized servicer or call our support line for assistance. Turning off the appliance will make it more difficult for the service technician to determine the problem.

How ice/cold water is supplied

Water is cooled while stored in the water tank in freezer door, and then sent to the dispenser.
Ice is made in the automatic icemaker and sent to the dispenser.

Cautions

Throw away the ice (about 20 pieces) and water (about 7 glasses) first made after refrigerator installation.
This is also necessary when the refrigerator has not been used for a long time.

Keep children away from the dispenser.
Children may play with or damage the controls.

Be careful that food does not block the ice passage.
If foods are placed at the entrance of ice passage, the dispenser may malfunction. The passage may also become blocked with frost if only crushed ice is used. Remove the frost that accumulates.

Freezer Door

Storing cans or other items in the ice bin may damage the icemaker or the container may burst.

Never use thin crystal glass or crockery to collect ice.
Such glasses or containers may be broken, and glass fragments could be in the ice.

Put ice first into a glass before filling water or other beverages.
Water may be splashed if ice is added to existing liquid in a glass.

Keep your hands out of the ice door and passage.
You might break something or injure yourself.

Never remove the ice maker cover.

**Shake the ice bin occasionally to level the ice in it.**
Sometimes the ice piles up near the icemaker, causing the icemaker to misinterpret the bin level and stop producing ice.

If you find ice or water dispensed unexpectedly, contact an Authorized Service Center. (Call 1-800-243-0000 24/7 and select the option to locate an authorized servicer.)

Never use too narrow or deep glass.
Ice may be jammed in the ice passage and, thus, the refrigerator may fail.

Keep the glass at a proper distance from ice outlet.
A glass too close to the outlet may prevent ice from coming out.
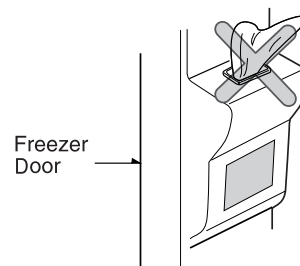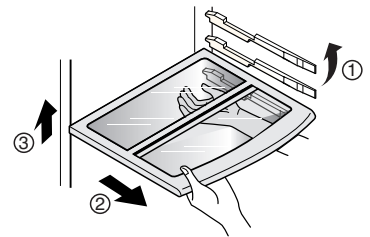
Shelf

Shelf height adjustment

The refrigerator compartment shelves are adjustable so you can locate them according to your needs.

- Slide Shelf
  Pull the shelf ahead and take off it while lifting both front and rear part.

- Fixed Shelf, Folding Shelf
  Lightly lift up the front part of shelf to pull it ahead and then take off it while lifting the rear part of shelf.
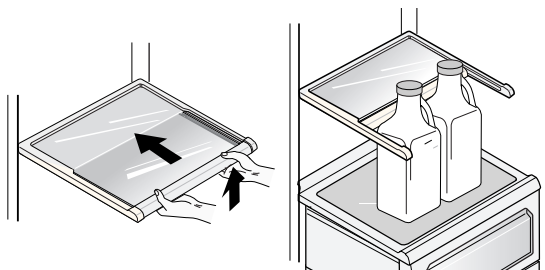
NOTE
• Make sure the shelf is horizontal. If not, it may drop.

Slide-Under Shelf

You can store taller items such as a gallon container or bottles by simply pushing in front half of shelf underneath back half of shelf. Pull toward you to return to a full shelf.

Humidity control in the vegetable compartment

The humidity can be controlled by adjusting the humidity control switch to the left or right when storing vegetables or fruits.

High humidity

Humidity Control
High ••••••• | ••••••• Low

Low humidity

Humidity Control
High ••••••• | ••••••• Low
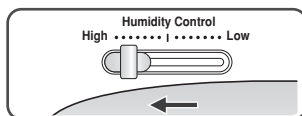
OptiFresh temperature bin

Method to use

You can select the optimum temperature to store some types of foods.
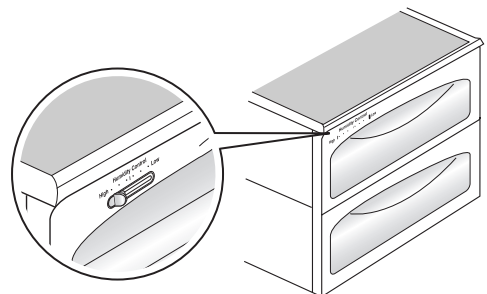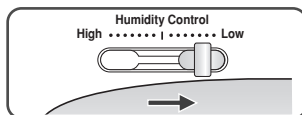
- Vegetables, fruits, cold storage items requiring humidity maintenance can be stored under optimal condition by pressing the button.

OptiFresh Crisper

Activate
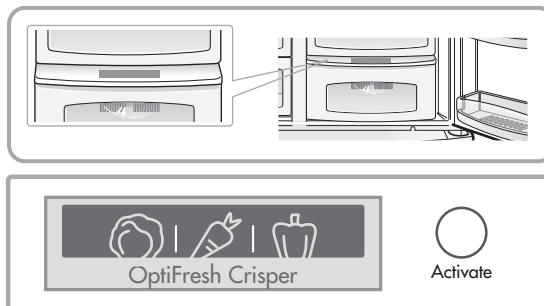
- If you open the refrigerator door, an indicator lamp shows the status of the OptiFresh. The lamp goes off when the door is closed.
- Press the button to cycle between ON and OFF.

OptiFresh

When removing OptiFresh

- First, remove the vegetable bin.
- After holding both ends of the OptiFresh① and ② pull it outward.
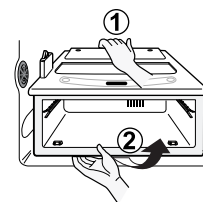
When installing OptiFresh

- Fit the OptiFresh case on to the ledge ① and gently slide it in ② .
- If forced, the connecting parts can be damaged.

Location of foods

(Refer to Identification of Parts, page 4.)

Snack drawer

Store small foods such as bread, snacks, etc.
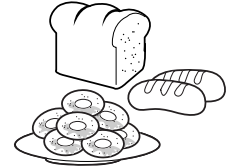
Freezer compartment shelf

Store various frozen foods such as meat, fish, ice cream, frozen snacks, etc.
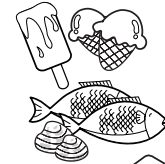
Freezer compartment door rack

Store small packed frozen food.
Items stored in the door racks don't stay quite as cold as in the rest of the freezer. Store ice cream and similar items on a shelf in the freezer instead.

Freezer compartment drawer

Store meat, fish, chicken, etc. after wrapping them with thin foil.
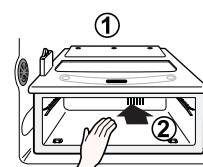Store dry.
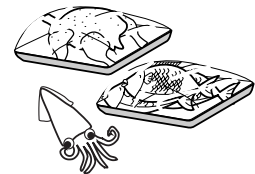
Milk product corner

Store milk products such as butter, cheese, etc.
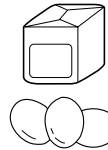
Refreshment center

Store foods of frequent use such as beverages, etc.

Refrigerator compartment shelf

Do not pack the freezer or refrigerator tightly. Allow a little room for proper air circulation to aid cooling.
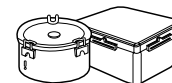
Refrigerator compartment door rack

Store small packed food or beverages such as milk, juice, etc.

Vegetable drawer

Store vegetables or fruits.
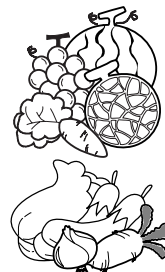
Storing foods

- Store fresh food in the refrigerator compartment. How food is frozen and thawed is an important factor in maintaining its freshness and flavor.
- Do not store food which spoils easily at low temperatures, such as bananas and melons.
- Allow hot food to cool prior to storing, placing hot food in the refrigerator could spoil other food, and lead to higher energy consumption.
- When storing the food, cover it with vinyl wrap or store in a container with a lid. This prevents moisture from evaporating, and helps food to keep its flavor and nutrition.
- Do not block air vents with food. Smooth circulation of chilled air keeps refrigerator temperatures even.
- Do not open the door frequently. Opening the door lets warm air enter the refrigerator, and cause temperatures to rise.
- Never overload the door racks because they may push against by inner racks so that the door cannot be fully closed.

Freezer compartment

- Do not store bottles in the freezer compartment, they may break when frozen.
- Do not refreeze food that has been thawed. This causes loss of flavor and nutrition.
- When storing frozen food like ice cream for a long period, place it on the freezer shelf, not in the door rack.
- Do not touch the cold foods or containers, especially made of metal, with wet hands and place glass products in the freezer compartment.
  - Damp skin can freeze and stick to cold surfaces, causing frostbite and other serious injuries.

Refrigerator compartment

- Avoid placing moist food in top refrigerator shelves, it could freeze from direct contact with chilled air.
- Always clean food prior to refrigeration. Vegetables and fruits should be washed and wiped, and packed food should be wiped, to prevent adjacent food from spoiling.
- When storing eggs in their storage rack or box, ensure that they are fresh, and always store them in an upright position to keep them fresh longer.

NOTE
- If you keep the refrigerator in a hot and humid place, frequent opening of the door or storing a lot of vegetables in it may cause condensation to form. Wipe the condensation with a clean cloth or a paper towel.

How to remove and replace parts

NOTE
• Dismantling is done in the reverse sequence of assembly.
Be sure to unplug the power plug before dismantling and assembly.
Never apply severe force to dismantle parts. Parts may be damaged.

Freezer compartment lamp

To remove the lamp cover, separate the shelf over the lamp cover and pull the lamp cover forwards ② while pressing the bottom side of the lamp cover upwards ①. Turn the bulb counterclockwise.
Use a 40-watt bulb (max.) which can be purchased at a service center.
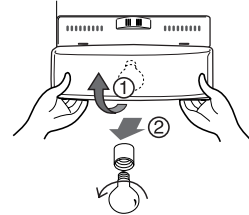
Freezer compartment shelf

To remove a shelf, push the shelf to the left ①, lift the left part of the shelf a bit ②, lift the right part up ③ , and take it out.
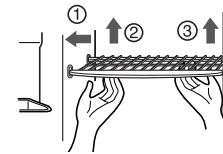
Door rack and support

Lift the door rack holding both sides ① and pull it out ②.
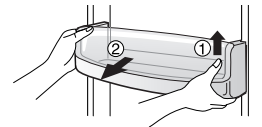
Ice storage bin

Hold the ice storage bin as shown in the right figure and pull it out ② while slightly lifting it ①.

▪ Do not dismantle the ice storage bin unless it is necessary.

▪ Use both hands to remove the ice bin to avoid dropping it.
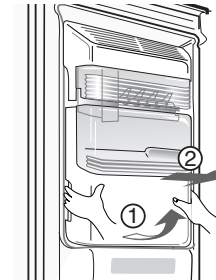
After dispenser is used

The water collector has no self-draining function. It should be cleaned regularly. Remove the cover by pulling the front side of water collector cover and dry it with a cloth.
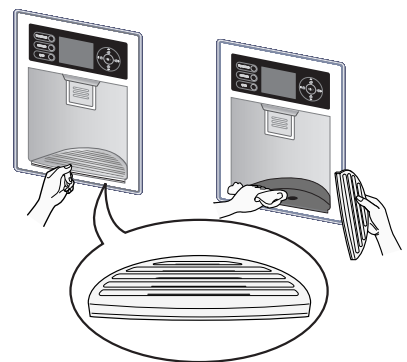
Upper lamp in refrigerator compartment

To remove the lamp cover, pull the lamp cover forward while pressing the bottom side of the lamp cover upward. Turn the bulb counterclockwise.
Use a 40-watt bulb (max.) which can be purchased at a service center.
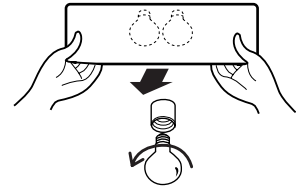
Lower lamp in refrigerator compartment

Separate the lamp cover by holding both lower sides of it and pulling it it forwards.
Turn the bulb counterclockwise.
Use a 40-watt bulb (max.) which can be purchased at a service center.
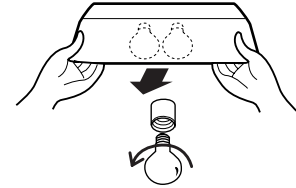
NOTE
• Be sure to remove the necessary door racks and other parts to allow clearance to remove the vegetable compartment, snack, drawer, and home bar cover.

Vegetable compartment cover

▪ To remove the vegetable compartment cover, pull out the vegetable compartment a bit to the front ①, lift the front part of the vegetable compartment cover as shown by ②, and take it out.
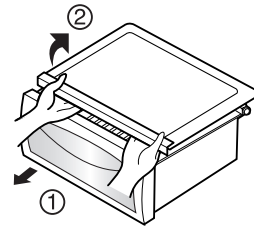
Filter replacement

We recommend replacing the filter when the water filter indicator light turns on or your water dispenser or ice maker decreases noticeably. After changing the water filter cartridge, reset the water filter status display and indicator light by pressing and holding the BUTTON for 3 seconds.
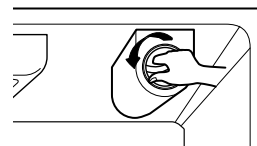
1) Remove the old cartridge.
   Rotate the knob of the cartridge counter clockwise. When the cartridge is removed, you will feel it click out of place.
   Pull out the cartridge.
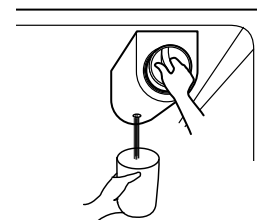
NOTE
 • Replacing filter causes small amount of water (around 1 oz or 25 cc) to flow out. Please put up a cup under the hole to prevent it.

2) Replace with a new cartridge.
   Take the new cartridge out of its packaging and remove protective cover from the o-rings. With cartridge knob in the vertical position, push the new filter cartridge into the cover until it stops.
   If you can't turn the filter from side to side, it isn't fully inserted. Push it in firmly and twist it into place. You will hear the snap when it clicks into place. Using its handle, twist the cartridge clockwise about 1/4 turn. You will hear the snap when it clicks into place.
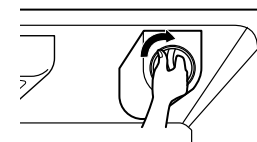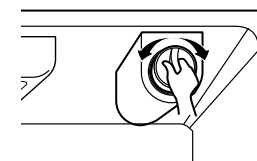
3) Flushing the Water System After Replacing Filter.
   Dispense water through the water dispenser for 3 minutes to purge the system.

General information

Vacation time

During average length vacations, you will probably find it best to leave the refrigerator in operation. Place freezable items in freezer for longer life.
When you plan to store the refrigerator, remove all food, disconnect the power cord, clean the interior thoroughly, and block the doors open to prevent mold and mildew. Be certain the stored refrigerator does not present a child entrapment danger.

Power failure

Most power failures that are corrected in an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off.

If you move

Unload the refrigerator to relocate it. (This is probably not necessary to pull it out for cleaning behind it.) Be sure to let the refrigerator warm up to room temperature, and dry the inside before closing the doors to pack it for moving.
To avoid damaging the height adjusting screws, turn them all the way into the base.

Anti-condensation pipe

The outside wall of the refrigerator cabinet may sometimes get warm, especially just after installation. Don't be alarmed. This is due to the anti-condensation pipe, which pumps hot refrigerant to prevent **sweating** on the outer cabinet wall.

Demo mode setting

After setting the Lock function press the Temperature button and ◀ button simultaneously for 5 seconds.
When entering the Demo mode, you will see the letters DEMO on the top left side of the screen with a ding sound.
When canceling the Demo mode, do it as the same procedure as the Lock setup and press the Temperature and ◀ button simultaneously for 5 seconds.
With a ding sound, you will see the letters DEMO disappear on the top left side of the screen and the Demo mode will be canceled.
(Demo mode : Demo mode is available for displaying the refrigerator in sales setting or similar condition. It allows the display, dispenser, light, and fan to operate without running the compressor. When it set the demonstrations mode, the cooling air doesn't come out from refrigerator.)

Cleaning

It is important that your refrigerator be kept clean to prevent undesirable odors. Spilled food should be wiped up immediately, since it may acidify and stain plastic surfaces if allowed to settle.

Exterior

aUse a lukewarm solution of mild soap or detergent to clean the durable finish of your refrigerator. Wipe with a clean damp cloth and then dry.

Interior

Regular cleaning is recommended. Wash all compartments with a baking soda solution or a mild detergent and warm water. Rinse and dry. Be sure to allow the soda to dissolve completely so it will not act as an abrasive compound.

After cleaning

Please verify that the power cord is not damaged, power plug is not overheated, or power plug is well inserted into the power consent.

Warning

Always remove the power cord from the wall outlet prior to cleaning in the vicinity of electrical parts (lamps, switches, controls, etc.).
Wipe up excess moisture with a sponge or cloth to prevent water or liquid from getting into any electrical part and causing an electric shock.
Never use metallic scouring pads, brushes, coarse abrasive cleaners, strong alkaline solutions, or flammable or toxic cleaning liquids on any surface.
Do not touch frozen surfaces with wet or damp hands, because damp objects will stick to extremely cold surfaces.

Troubleshooting

Before calling for service, review this list. It may save you both time and expense. This list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

Occurrence	Possible Cause	Solution
Normal Operations Refrigerator		
Refrigerator compressor does not run.	Refrigerator control is off.	Set refrigerator control.
	Refrigerator is in defrost cycle.	This is normal for a fully automatic defrosting refrigerator. The defrost cycle occurs periodically.
	Plug at wall outlet is disconnected.	Make sure plug is tightly pushed into outlet.
	Power outage. Check house lights.	Call local electric company.
Refrigerator runs too much or too long	Refrigerator is larger than the previous one you owned.	This is normal. Larger, more efficient units run longer.
	Room or outside weather is hot.	It is normal for the refrigerator to work longer under these conditions.
	Refrigerator has recently been disconnected for a period of time.	It takes a few hours for the refrigerator refrigerator to come down to room temperature completely.
	Automatic icemaker is operating.	Operation of the ice maker causes the refrigerator to run slightly longer.
	Large amounts of warm or hot food may have been stored recently.	Warm food will cause the refrigerator to run longer until the desired temperature is reached.
	Doors are opened too frequently or too long.	Warm air entering the refrigerator causes it to run more. Open the door less often.
	Refrigerator or freezer door may be slightly open.	Make sure the refrigerator is level. Keep food and containers from blocking the door. See problem section OPENING/CLOSING of doors, page 11.
	Refrigerator control is set too cold.	Adjust the refrigerator control to a warmer setting until the refrigerator temperature is satisfactory.
	Refrigerator or freezer gasket is dirty, worn, cracked, or poorly fitted.	Clean or change gasket. Leaks in the door seal will cause the refrigerator to run longer in order to maintain desired temperatures.

Occurrence	Possible Cause	Solution
Refrigerator compressor does not run.	Thermostat is keeping the refrigerator at a constant temperature.	This is normal. The Refrigerator goes on and off to keep the temperature constant.
Temperatures are too cold		
Temperature in the freezer is too cold but the Refrigerator Temperature is Satisfactory.	Freezer control is set too cold	Adjust the freezer control to a warmer setting until the freezer temperature is satisfactory.
Temperature in the refrigerator is too cold and the freezer temperature is satisfactory.	Refrigerator control is set too cold.	Adjust the refrigerator control to a warmer setting
Food stored in drawers freezes.	Refrigerator control is set too cold.	Adjust the refrigerator to a warmer setting.
Meat stored in fresh meat drawer freezes.	Meat should be stored at a temperature just below the freezing point of water (32°F, 0°C) for maximum fresh storage time.	It is normal for ice crystals to form due to the moisture content of meat.
Temperatures are too warm		
Temperatures in the refrigerator or freezer are too warm.	Freezer control is set too warm.	Adjust the freezer or refrigerator control to a colder setting until the freezer or refrigerator temperature is satisfactory.
	Refrigerator control is set too warm. Refrigerator control has some effect on freezer temperature.	Adjust the freezer or refrigerator control to a colder setting until the freezer or refrigerator temperature is satisfactory.
	Doors are opened too frequently or too long.	Warm air enters the refrigerator/ freezer whenever the door is opened. Open the door less often.
	Door is slightly open.	Close the door completely.
	Large amounts of warm or hot food may have been stored recently.	Wait until the refrigerator or freezer has had a chance to reach its selected temperature.
	Refrigerator has recently been disconnected for a period of time.	A refrigerator requires several hours to cool down completely.
Temperature in the refrigerator is too warm but the freezer temperature is satisfactory.	Refrigerator control is set too warm.	Adjust the refrigerator control to a colder setting.

Occurrence	Possible Cause	Solution
Sound and Noise		
Louder sound levels when Refrigerator is on.	Today's refrigerators have increased storage capacity and maintain more even temperatures.	It is normal for sound levels to be higher.
Louder sound levels when compressor comes on.	Refrigerator operates at higher pressures during the start of the ON cycle.	This is normal. The sound will level off as the refrigerator continues to run.
Vibrating or rattling noise.	Floor is uneven or weak. Refrigerator rocks on the floor when it is moved slightly.	Be sure floor is level and solid and can adequately support refrigerator.
	Items placed on the top of the refrigerator are vibrating.	Remove items.
	Dishes are vibrating on the shelves in the refrigerator.	It is normal for dishes to vibrate slightly. Move dishes slightly. Make sure refrigerator is level and firmly set on floor.
	Refrigerator is touching wall or cabinets.	Move refrigerator so that it does not touch the wall or refrigerator.
Water/Moisture /Ice Inside Refrigerator		
Moisture collects on the inside walls of the refrigerator.	The weather is hot and humid which increases the rate of frost buildup and internal sweating.	This is normal.
	Door is slightly open.	See problem section Opening/Closing of doors, page 11.
	Door is opened too often or too long.	Open the door less often.
Water/Moisture/Ice Outside Refrigerator		
Moisture forms on the outside of the refrigerator or between doors.	Weather is humid.	This is normal in humid weather. When humidity is lower, the moisture should disappear.
	Door is slightly open,causing cold air from the inside the refrigerator to meet warm air from the outside.	Close the door completely.
Moisture forms on the dispenser or refreshment center	Moisture may be formed in high temperature and high humidity since heater turns off if not opening the doors for a long time.	Wipe the moisture and open the doors again.

Occurrence	Possible Cause	Solution
Odors in Refrigerator		
	Interior needs to be cleaned.	Clean interior with sponge, warm water, and baking soda. Be sure the soda is completely dissolved so it will not act as an abrasive compound.
	Food with strong odor is in the refrigerator.	Cover food completely.
	Some containers and wrapping materials produce odors.	Use a different container or brand of wrapping materials.
Opening/Closing of Doors/Drawers		
Door(s) will not close.	Food package is keeping door open.	Move packages that keep door from closing.
Door(s) will not close.	Door was closed too hard, causing other door to open slightly.	Close both doors gently.
	Refrigerator is not level. It rocks on the floor when it is moved slightly.	Adjust the height adjusting screw.
	Floor is uneven or weak. Refrigerator rocks on the floor when it is moved slightly.	Be sure floor is level and can adequately support refrigerator. Contact carpenter to correct sagging or sloping floor.
	Refrigerator is touching wall or cabinets.	Move refrigerator.
Drawers are difficult to move.	Food is touching shelf on top of the drawer	Keep less food in drawer.
	Track that drawer slides on is dirty.	Clean drawer and track.
Dispenser		
Dispenser will not dispense ice	Ice storage bin is empty.	When the first supply of ice is dropped into the bin, the dispenser should operate.
	Freezer temperature is set too warm.	Turn the freezer control to a higher setting so that ice cubes will be made. When the first supply of ice is made, the dispenser should operate.
	Household water line valve is not open.	Open household water line valve and allow sufficient time for ice to be made. When ice is made, dispenser should operate.
	Refrigerator or freezer door is not closed.	Be sure both doors are closed.

Occurrence	Possible Cause	Solution
Dispenser will not dispense ice.	Ice has melted and frozen around auger due to infrequent use, temperature fluctuations, and/or power outrages.	Remove ice storage bin, and thaw and the contents. Clean bin, wipe dry, and replace in proper position. When new ice is made, dispenser should operate.
Ice dispenser is jammed.	Ice cubes are jammed between the ice maker arm and back of the bin.	Remove the ice cubes that are jamming the dispenser.
	Ice cubes are frozen together.	Use the dispenser often so that cubes do not freeze together.
	Ice cubes that have been purchased or made in some other way have been used in the dispenser.	Only the ice cubes made by the ice maker should be used with the dispenser.
Dispenser will not dispense water.	Household water line valve is not open.	Open household water line valve.
	Refrigerator or freezer door is not closed.	Be sure both doors are closed.
Water has an odd taste and/or odor.	Water has been in the tank for too long.	Draw and discard 7 glasses of water to freshen the supply. Draw and discard an additional 7 glasses to completely rinse out tank.
	Unit not properly connected to cold water line.	Connect unit to cold water line which supplies water to kitchen faucet.
Sound of ice dropping	This sound is normally made when automatically made ice is dropped into ice storage bin. Volume may vary according to refrigerator's location.	
Sound of water supply	This sound is normally made when ice maker is supplied with water after dropping the automatically made ice.	
Other	Please thoroughly read Automatic Icemaker and Dispenser in this manual on pages 15.	
Weather Forecast		
Function is not operate	Reception of weather forecast information received and displayed on the screen is subject to vary depending on your region and location of refrigerator. Check your zip code in this manual pages 151 or www.ambientdevices.com/cat/device/coverage.html	

CUSTOMER ASSISTANCE NUMBERS: http://www.lgservice.com

- To Prove Warranty Coverage
  Retain your sales receipt to prove date of purchase.
  A copy of your sales receipt must be submitted at the time warranty service is provided.

- To Obtain Product, Customer, or Service Assistance
  Call Toll-free for Customer Service
  Tel : 1-800-243-0000

- To Obtain Nearest Authorized Service Center
  Call 1-800-243-0000, push option #1, 24 hours a day, 7 days per week.
  Please have your product type (Refrigerator), model number, serial number, and postcode ready.

LG ELECTRONICS, INC.
LG REFRIGERATOR LIMITED WARRANTY - USA

Your LG Refrigerator will be will repaired or replaced, at LG's option, if it proves to be defective in material or workmanship under normal use, during the warranty period (Warranty Period) set forth below, effective from the date ("Date of Purchase") of original consumer purchase of the product. This warranty is good only to the original purchaser of the product and effective only when used in the United States, including Alaska, Hawaii, and U.S. Territories.

WARRANTY PERIOD:	HOW SERVICE IS HANDLED:
REFRIGERATOR/FREEZER	**In-Home Service** (Except Model GR051):
LABOR: One Year from the Date of Purchase.	Please retain dealer's dated bill of sale or delivery ticket as evidence of the Date of Purchase for proof of warranty, and submit a copy of the bill of sale to the service person at the time warranty service is provided.
PARTS: One Year from the Date of Purchase.	
SEALED SYSTEM (Compressor, Condenser, and Evaporator)	**Please call 1-800-243-0000 and choose the appropriate option to locate your nearest LG Authorized Service Center.** (Phones are answered 24 hours a day, 365 days per year.)
LABOR: One Year from the Date of Purchase.	
PARTS: Seven years from the Date of Purchase.	Or visit our website at: http://www.lgservice.com
Replacement Units and Repair Parts are warranted for the remaining portion of the original unit's warranty period.	

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS U.S. DISTRIBUTOR SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

Reception of weather forecast information received and displayed on the screen is subject to vary depending on your region and location of refrigerator. Thereby LG does not guarantee and will not be held responsible for accuracy of the weather information. Weather forecast information is only available in U.S.A

THIS LIMITED WARRANTY DOES NOT APPLY TO:

- Service trips to your home to deliver, pick up, and/or install the product, instruct, or replace house fuses or correct wiring, or correction of unauthorized repairs.
- Damages or operating problems that result from misuse, abuse, operation outside environmental specifications or contrary to the requirements of precautions in the Operating Guide, accident, vermin, fire, flood, improper installation, acts of God, unauthorized modification or alteration, incorrect electrical current or voltage, or commercial use, or use for other than intended purpose.
- Repairs when your LG refrigerator is used in other than normal, single-family household use.

The cost of repair or replacement under these excluded circumstances shall be borne by the consumer.

CUSTOMER INTERACTIVE CENTER NUMBERS

To obtain Customer Assistance, Product Information, or Dealer or Authorized Service Center location:	**Call 1-800-243-0000** (24 hours a day, 365 days per year) and select the appropriate option from the menu. **Or visit our website at: http://www.lgservice.com**

TO CONTACT LG ELECTRONICS BY MAIL:
   LG Customer Interactive Center
   P. O. Box 240007
   201 James Record Road
   Huntsville, Alabama 35824
   ATTN: CIC

LG Electronics Inc.

LG Twin Tower, 20, Yoido-Dong,
Youngdungpo-Gu, Seoul, 150-721, Korea.
http://www.lge.com

LG

SXS REFRIGERATOR
User's Guide

Please read this guide thoroughly
before operating and keep it handy for
reference at all times.

SXS REFRIGERATEUR (TV)
Manuel d'utilisation

Prière de lire attentivement le présent manuel
avant d'utiliser le réfrigérateur.
Conserver à portée de main pour pouvoir le
consulter à tout moment.

SXS FRIGORÍFICO
Guía de usuario

Lea detenidamente estas instrucciones
antes utilizar el frigorífico y guárdelas
como referencia para el futuro.

FRIGORÍFICO (TV) SXS
Manual do Utilizador

Leia inteiramente este manual antes de colocá-lo
em funcionamento e deixe-o ao alcance
para posteriores consultas a qualquer momento.

Contents

Contents

Warning

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

REGULATORY INFORMATION

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 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Warning

Note

- If the TV feels cold to the touch, there may be a small "flicker" when it is turned on. This is normal, there is nothing wrong with TV.
- Some minute dot defects may be visible on the screen, appearing as tiny red, green or blue spots. However, they have no adverse effect on the monitor's performance.
- Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen.

About defective pixels

This LCD display contains hundreds of thousands of individual pixels.
LCD displays typically contain a small number of pixels that do not function normally. Your display has been inspected and is in compliance with manufacturer's specifications, indicating that any pixel defects do not affect the operation or use of your display.
On a display of this size, 10 or less defective pixels are considered to be normal and are not grounds for exchange or refund.

The LCD backlight lamp of this product contains mercury, Dispose according to Local, State or Federal Laws.

Safety Instructions

‖ IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug.
A polarized plug has two blades with one wider than the other.
A grounding type plug has two blades and a third grounding prong.
The wide blade or the third prong are provided for your safety.
If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
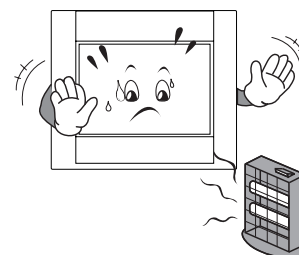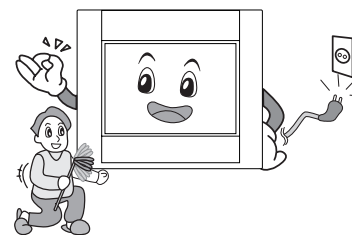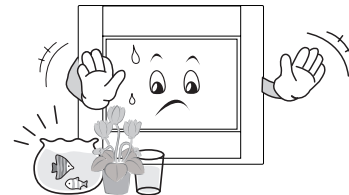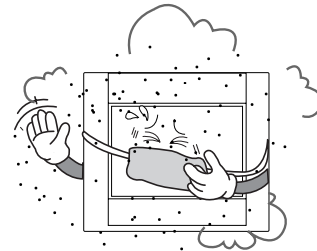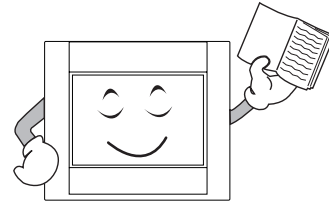
Safety Instructions

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

PORTABLE CART WARNING

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
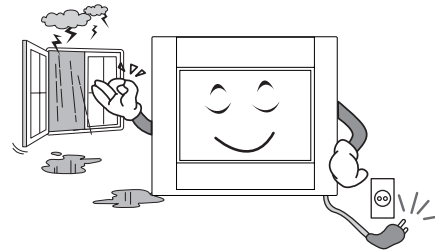
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

- Minimum distances(e.g. 10cm) around the apparatus for sufficient ventilation
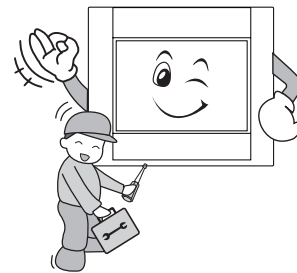
"WARNING - To reduce the risk of fire or electric shock, do not expose the apparatus to rain or moisture."

Location and Function of Controls

Controls

Antenna Jack

Power Button

Component Jack

Radio Antenna

MENU   ■ OK   ▼ CH/PR ▲   ◄ VOL ►   INPUT   POWER

MENU

OK

CH/PR

VOLUME

INPUT

Remote Control Sensor

POWER
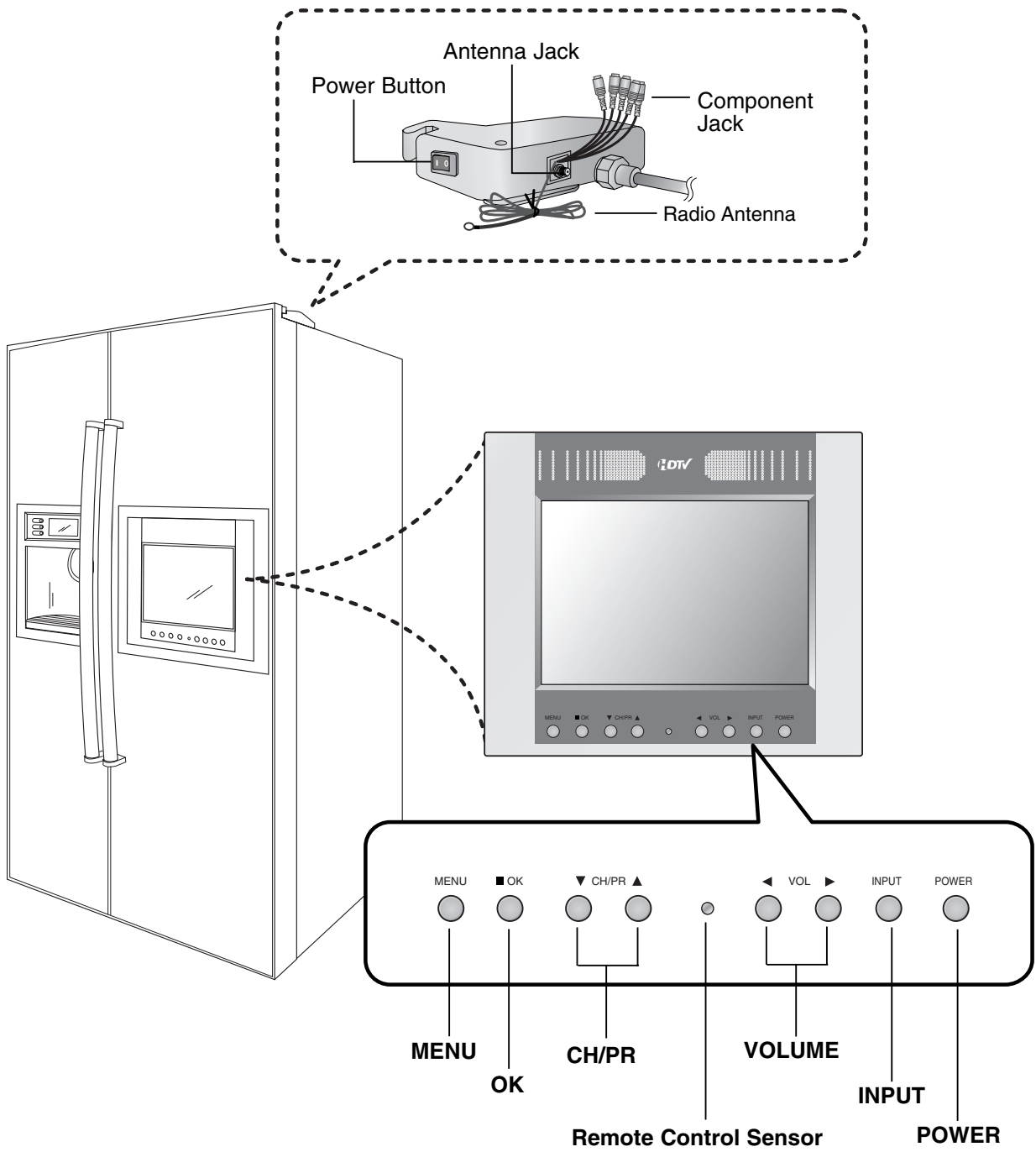
Location and Function of Controls

Remote Control Button

INPUT
Selects TV, Component or Radio.

MUTE
Switches the sound on or off.

FCR
Scroll through the Favorite.
Channel Recall list.

EXIT

NUMBER

- (Dash)
Used to enter program number
for multiple program channels
such as 2-1, 2-2 etc.

SSM (Sound Status Memory)
Adjusts the equalizer to a preset
sound appropriate for the
program's character.

CC
Select a closed caption.
OFF or ON.

ARC
Select your desired picture
format.

POWER

MTS
Selects MTS sound.
Mono, Stereo or SAP.

MENU
Activates the on-screen menu,
toggles through the menus and
toggles through preset radio stations.

OK

CHANNEL ▲ / ▼

VOLUME ◄ / ►

TV/DTV
Select TV, DTV mode.

FLASHBK
Press the FLASHBK button to return
to the last channel you were
watching.

PSM (Picture Status Memory)
Adjusts the picture quality for the
ambient lighting.

SLEEP
Lets you select the amount of time
before your TV turns itself off
automatically.

Installing Batteries

- Open the battery compartment cover on the back side and insert the batteries with correct polarity.
- Install two 1.5V batteries of AAA type. Don't mix used batteries with new batteries.

Connection to External Equipment

▎Antenna/Cable Connection

- For optimum picture quality, adjust antenna direction if needed.
- Turn the end of the cable to the clockwise direction to be connected to the connector located at the top of the refrigerator.
  Incorrect connection may cause a bad quality.

Apartment Buildings

Wall Antenna Socket

Bronze Wire

75Ω Round Cable

VHF Antenna
UHF Antenna

Turn clockwise to tighten.

Outdoor Antenna

Bronze Wire

ANT
Ⅱ75Ω

Be careful not to bend the bronze wire when connecting the antenna.

Single Family Home

VHF   UHF

Signal
Amplifier

- In a poor signal area to improve picture quality, purchase and install a signal amplifier.
- If the antenna is not installed properly, contact your dealer for assistance.
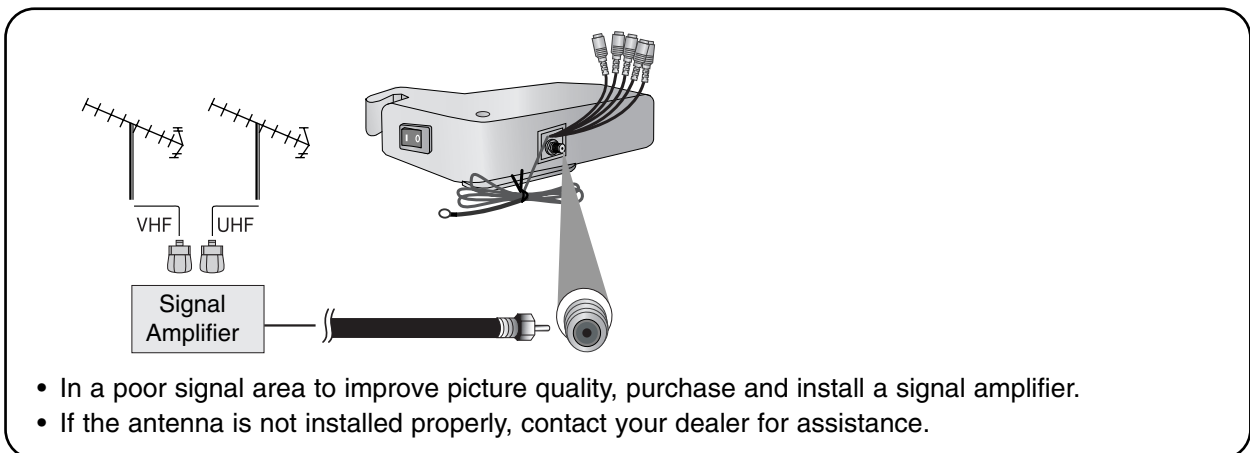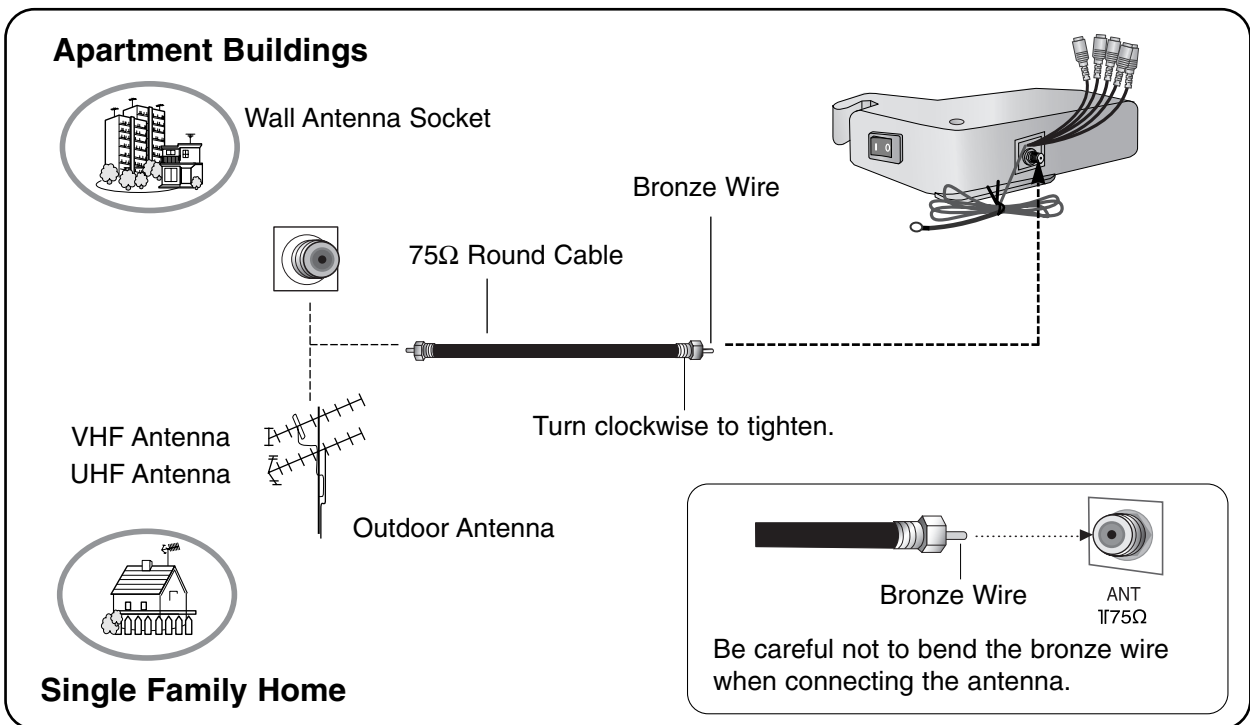
Connection to External Equipment

Cable or VHF/UHF (or VHF only)

Connecting a cable system or an external VHF/UHF antenna to the VHF/UHF input will allow you to enjoy high definition and standard definition digital programming (if available in your area) along with the standard definition analog programming.

75-ohm coaxial cable (supplied)

Rear of TV

ANT
Π75Ω

Cable and VHF/UHF (or VHF only)

If you want to watch both cable and antenna (over-the-air) programming, you will need to use an optional A-B RF Switch (not supplied) to switch between the cable and over-the air antenna programming, as shown.

A/B RF Switch

Cable

Antenna

A

B
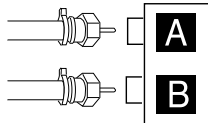
Rear of TV

ANT
Π75Ω

Cable TV Connections

- After subscribing to a local cable TV service, you can watch cable TV programming.
- Depending upon the cable provider, a cable box may be necessary.
- For further cable TV information, contact a local cable service provider.

Cable Box Connection Panel

(R) AUDIO (L)   VIDEO

TV

VCR

RF   Cable
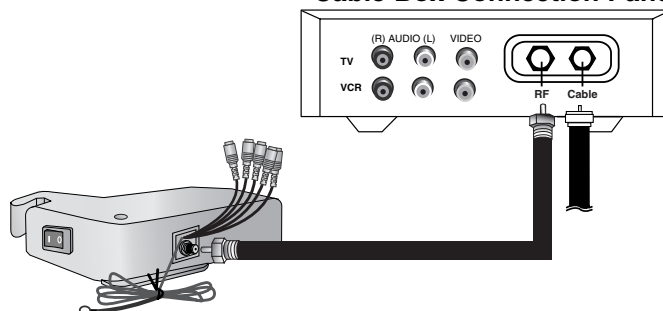
Connection

1. Set cable box switch to 3 or 4 and then tune TV to the same channel number.
2. Select VIDEO source input to use Audio/Video In connections.
3. Select channels with the cable box.

Connection to External Equipment

‖ Connecting a DVD

DVD Connection Panel

ANT IN

S-VIDEO   COMPONENT IN

ANT OUT

Y   PB   PR   (R) AUDIO (L)
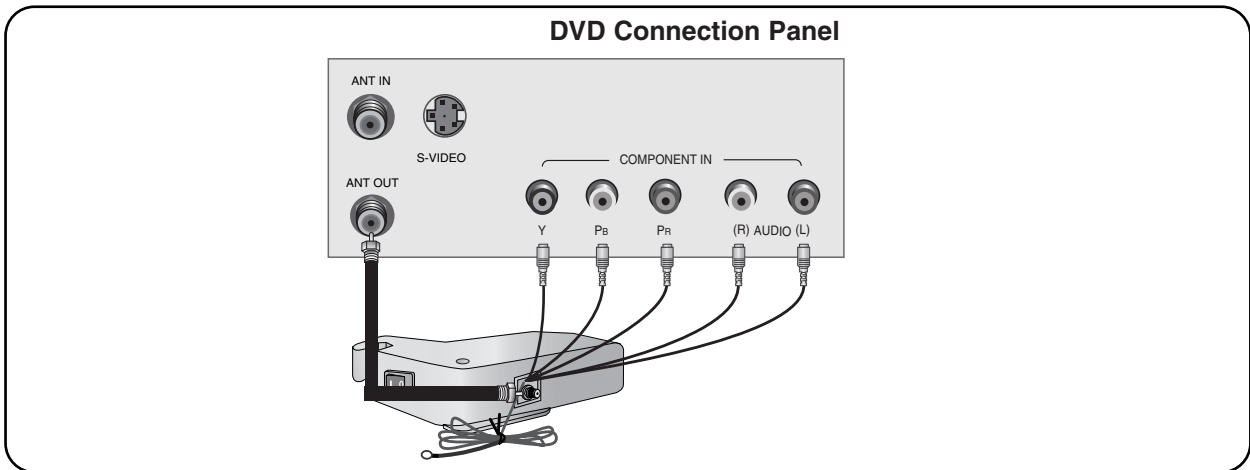
Connection

1. Connect the DVD video outputs to the COMPONENT (Y, PB, PR) jacks and connect the DVD audio outputs to the AUDIO jacks.
2. Turn on the DVD player, insert a DVD.
3. Press the **INPUT** button to select **Component**.
4. Press the **PLAY** button on the DVD.
   The DVD playback picture appears on the screen.
5. Refer to the DVD player's manual for operating instructions.

- **Component Input ports**
  To get better picture quality, connect a DVD player to the component input ports as shown below.

Component ports of the TV	Y	PB	PR
Video output ports of DVD player	Y	Pb	Pr
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	PB	PR

Basic operation

On and Off

1. First, connect antenna cable and power cord correctly.

   • In standby mode, press the **power**, **ch ▲** / **▼** or **number** buttons on the remote control or
     CH ▲ / **▼** or **POWER** on the TV front panel to turn it on.

2. Select the viewing source by pressing **INPUT** to cycle through the selections.

3. After viewing, press the **power** button on the remote control or on the TV to put the TV in standby
   mode.

Channel selection

You can select a channel number with the ▲ / ▼ or NUMBER buttons.

Volume adjustment

Press the ◄ / ► button to adjust the volume.

If you want to switch the sound off, press the **MUTE** button.
You can cancel it by pressing the **MUTE**, ◄ / ►, **SSM** or **I/II** button.

On screen language selection (option)

Press the **MENU** button and then use ▲ / ▼ button to select
the SETUP menu.

Press the ► button and then use ▲ / ▼ button to select
Language.

Press the ► button and then use ▲ / ▼ button to select your
desired language.
All the on screen displays will appear in the selected
language.

Repeatedly press the **MENU** button to return to normal TV
viewing.

SETUP

Language	► English
Input	Français
ARC	Español
Child Lock	Português

◄‡► OK   MENU

On Screen Menus

‖ Menu selection

- The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

[1]

Press the **MENU** button and then use ▲ / ▼ button to display each menu.

Press the ► button and then use ▲ / ▼ button to select a menu item.

[2]

Press the ► button to display the sub menu.

Change the setting of an item in the sub or pull-down menu with ◄ / ► or ▲ / ▼.

You can move to the higher level menu with ◄ button and to move to the lower level menu press the ► button.

> **[Note]**
> • *Menus may vary according to input mode.*

STATION
Auto program
Manual
Edit
Name

OK   MENU

PICTURE
CSM
PSM
Contrast
Brightness
Color
Sharpness
Tint

OK   MENU

SOUND
SSM
Balance
AVL
Audio Language

OK   MENU

LOCK
Lock System
Set Password
Rating
Input Block

OK   MENU

CAPTION
Caption Mode
Caption Option

OK   MENU

SETUP
Language
Input
ARC
Child Lock

OK   MENU

TIME
Clock
Off Time
On Time
Auto Sleep
Time Zone
Daylight saving

OK   MENU

Setting up TV stations

‖ Memorizing the Channels with Auto

- For Auto program to work, the programming source must be connected to the TV and the TV must be receiving programming signals either over-the-air or from a cable-type service provider.

STATION	
Auto program	
Manual	
Edit	
Name	

OK   MENU

Press the **MENU** button and then use ▲ / ▼ button to select the STATION menu.

Press the ▶ button and then use ▲ / ▼ button to select **Auto program**.

Press the ▶ button and then use ▲ / ▼ button to select **Antenna**, **Cable**.

Press the **OK** button to begin the channel search.

STATION	
Auto program	▶ Antenna
Manual	Cable
Edit	
Name	OK To Start

OK   MENU

- Wait for auto program to complete the channel search cycle before choosing a channel. The TV scans for over-the-air channels and then channels provided by a cable service.

Auto Program	
DTV Channel 21	
Analog Channels Found	12
Digital Channels Found	5
Progress(%) 40	
MENU : DTV Skip	
Wait for max. 10 minutes...	

[Note]

- *When the channel search is complete, use the ▲ / ▼ buttons to review the memorized channels.*
- *If you press the **MENU** button in Auto program, the function will stop and only channels programming up to that time will remain.*
- *Auto program function can memorize only the channels which are being received at that time.*
- *HDTV reception will only display if the digital signal transmitted through the cable or satellite service provider is high definition.*
  Or if the on air broadcast in your area is transmitted in high definition and you have a high definition antenna to receive the signal.
  The higher the signal strength, the less likely you are to experience picture degradation.

Setting up TV stations

‖ Add/Delete Channels with Manual

- You can manually include or erase individual channels.

STATION
Auto program
Manual
Edit
Name

OK   MENU

Press the **MENU** button and then use ▲ / ▼ button to select the STATION menu.

Press the ► button and then use ▲ / ▼ button to select **Manual**.

Press the ► button and then use ▲ / ▼ button to select **CH**.

Press the ◄ / ► button to select the program.

Press the ▲ / ▼ button to select **Storage**.

Press the ◄ / ► button to select **Memory** (add) or **Erase** (delete).

Press the **OK** button to save.

Repeatedly press the **MENU** button to return to normal TV viewing.

The current channel is added to Memory or Erased from the channel list.

STATION
Auto program
Manual
Edit
Name

CH : TV 46
Storage : Memory
Fine Tune : 0

OK   MENU

STATION
Auto program
Manual
Edit
Name

CH : TV 46
Storage : Memory
Fine Tune : 0

OK   MENU
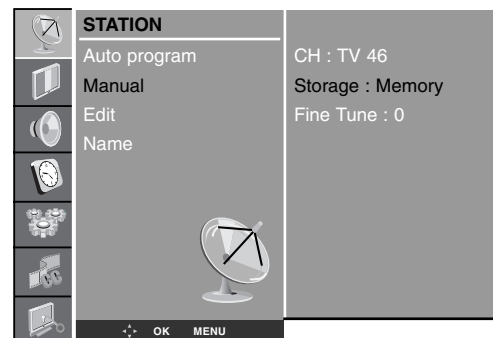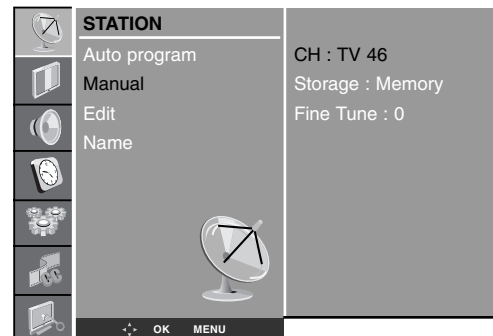
Setting up TV stations

‖ Fine Tuning Adjustment

- This function adjusts the pictures stability and condition when it is poor.
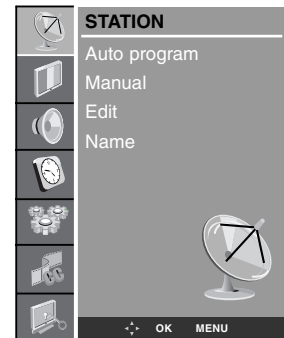
	STATION
	Auto program
	Manual
	Edit
	Name

OK   MENU

Press the **MENU** button and then use ▲ / ▼ button to select the STATION menu.

Press the ▶ button and then use ▲ / ▼ button to select **Manual**.

Press the ▶ button and then use ▲ / ▼ button to select **Fine Tune**.

Use the ◀ / ▶ button to adjust the picture to your preference.

Repeatedly press the **MENU** button to return to normal TV viewing.

	STATION	
	Auto program	CH : TV 46
	Manual	Storage : Memory
	Edit	Fine Tune : 0
	Name	

OK   MENU

┌─ **[Note]** ─────────────────────
• *It's not available to use function in DTV mode.*
└──────────────────────────────────

Fine Tune		-5

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Setting up TV stations

‖ Favorite Channels Setup

- Favorite Channel lets you quickly tune in up to 12 channels of your choice without having to wait for the TV to scan through all the in-between channels.
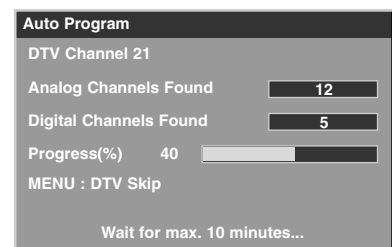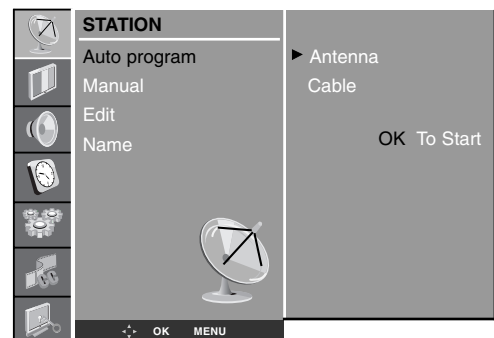
Press the **MENU** button and then use ▲ **/** ▼ button to select the STATION menu.

Press the ▶ button and then use ▲ **/** ▼ button to select **Edit**.

Press the ▶ button and then use ▲ **/** ▼ button to select the channel.

Press the ◀ **/** ▶ button to select the **Viewable**, **Not Viewable** or **FCR Channel**.

Press the **OK** button to save.

Repeatedly press the **MENU** button to return to normal TV viewing.

Repeatedly press the **FCR** button to select stored favorite channel.

STATION	
Auto program	
Manual	
Edit	
Name	

STATION	
Auto program	
Manual	
Edit	
Name	

Channel Edit

DTV 6-1	DTV	Viewable
DTV 10-1	DTV	Viewable
DTV 11-1	DTV	Viewable
TV 13-0		Viewable
TV 14-0		Viewable
TV 15-0		Viewable
TV 16-0		Viewable
TV 17-0		Viewable
TV 18-0		Viewable

OK   MENU

Setting up TV stations

‖ Assigning a station name

- You can assign a station name with seven characters to each program number.

Press the **MENU** button and then use ▲ / ▼ button to select the STATION menu.

Press the ▶ button and then use ▲ / ▼ button to select **Name**.

Press the ▶ button and then use ▲ / ▼ button to select the channel number.

Press the ▶ button and then use ▲ button. You can use a blank, *****, **?**, **-**, the numeric **0** to **9** and the alphabet **A** to **Z**. With the ▼ button you can select in the opposite direction.

Select the position by pressing the ◀ / ▶ button and then take your choice of the second character and so on.

Press the **OK** button to save.

Repeatedly press the **MENU** button to return to normal TV viewing.

┌─ **[Note]** ──────────────────────┐
│ • *It's not available to use function in DTV mode.* │
└──────────────────────────────────┘

STATION
Auto program
Manual
Edit
Name

◇ OK   MENU

STATION
Auto program
Manual
Edit
Name

◇ OK   MENU

Channel Name
TV 10-0   – – – – – – –
◇ OK   MENU
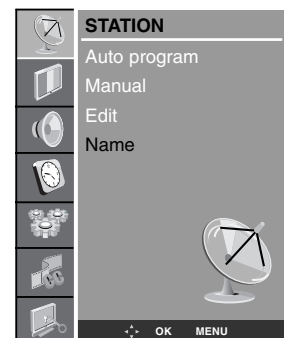
Picture Menu

CSM (Color Status Memory)

- To initialize values (reset to default settings), select the **Normal** option.

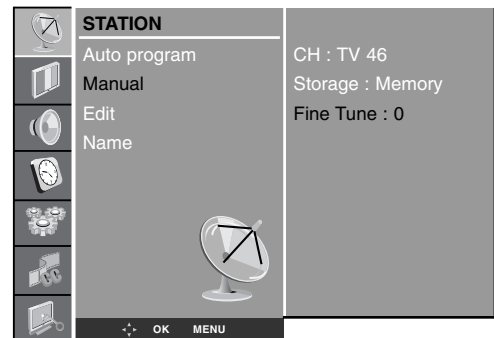|	PICTURE
	CSM
	PSM
	Contrast
	Brightness
	Color
	Sharpness
	Tint
	OK MENU

Press the **MENU** button and then ▲ / ▼ button to select the PICTURE menu.

Press the ► button and then ▲ / ▼ button to select **CSM**.

Press the ► button and then ▲ / ▼ button to select the desired color temperature.

Repeatedly press the **MENU** button to return to normal TV viewing.

	PICTURE	
	CSM	► Cool
	PSM	Normal
	Contrast	Warm
	Brightness	User >>>
	Color	
	Sharpness	
	Tint	
	OK MENU	

You can adjust red, green or blue to any color temperature you prefer.

Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.

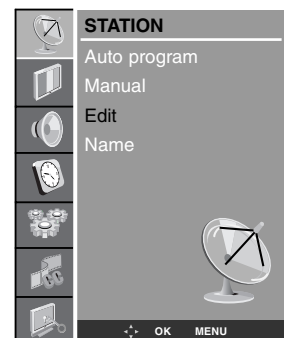Press the ► button and then use ▲ / ▼ button to select **CSM**.

Press the ► button and then use ▲ / ▼ button to select **User**.

Press the ► button and then use ▲ / ▼ / ◄ / ► button to make appropriate adjustments.

Repeatedly press the **MENU** button to return to normal TV viewing.

	PICTURE	
	CSM	Cool
	PSM	Normal
	Contrast	Warm
	Brightness	User >>>
	Color	
	Sharpness	
	Tint	
	OK MENU	

RED	30

Picture Menu

‖ PSM (Picture Status Memory)

	PICTURE
	CSM
	PSM
	Contrast
	Brightness
	Color
	Sharpness
	Tint
	OK MENU

Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.

Press the ▶ button and then use ▲ / ▼ button to select **PSM**.

Press the ▶ button and then use ▲ / ▼ button to select the desired picture item.

Repeatedly press the **MENU** button to return to normal TV viewing.

PICTURE	
CSM	Dynamic
PSM	▶ Standard
Contrast	Mild
Brightness	Game
Color	User
Sharpness	
Tint	
OK MENU	

You can also recall a desired picture (**Dynamic**, **Standard**, **Mild**, **Game** or **User**) with **PSM** button on the remote control.
The picture **Dynamic**, **Standard**, **Mild** and **Game** are programmed for good picture reproduction at the factory and cannot be changed.

Picture Menu

‖ Manual Picture Control
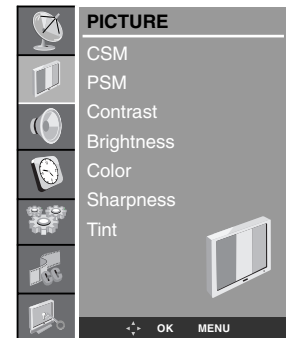
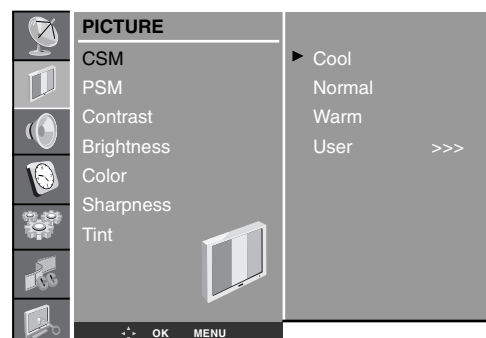| PICTURE |
| --- |
| CSM |
| PSM |
| Contrast |
| Brightness |
| Color |
| Sharpness |
| Tint |
| OK   MENU |

Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.

Press the ► button and then use ▲ / ▼ button to select the desired picture option.

PICTURE	
CSM	
PSM	
Contrast	50
Brightness	
Color	
Sharpness	
Tint	
OK MENU	

Press the ► button and then use ◄ / ► button to make appropriate adjustments.

You can adjust picture contrast, brightness, color, sharpness and tint to the levels you prefer.

Repeatedly press the **MENU** button to return to normal TV viewing.

‖ Picture format

You can watch TV in various picture formats; 16:9, 4:3, H.ZOOM.
Repeatedly press the **ARC** button to select your desired picture format.

- Each press of **ARC** button changes the screen display as shown below.
- You can only select 4:3 in TV mode only.
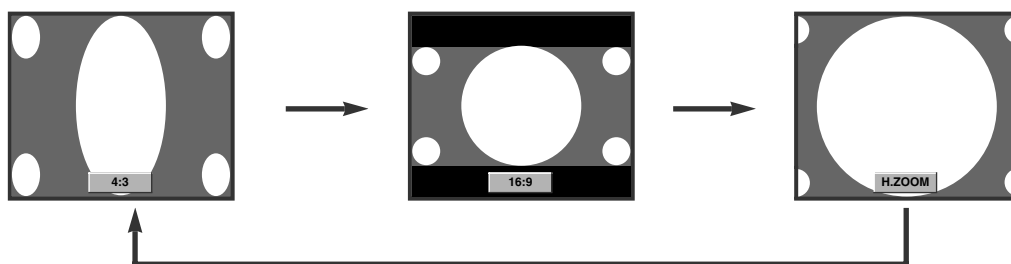
Sound Menu

‖ SSM (Sound Status Memory)

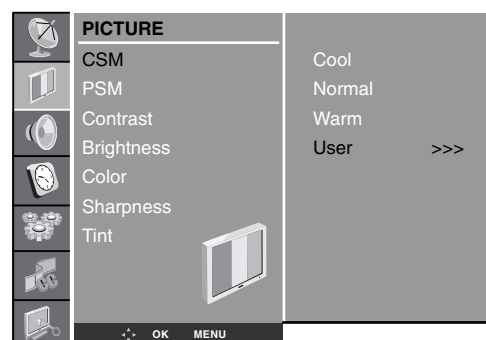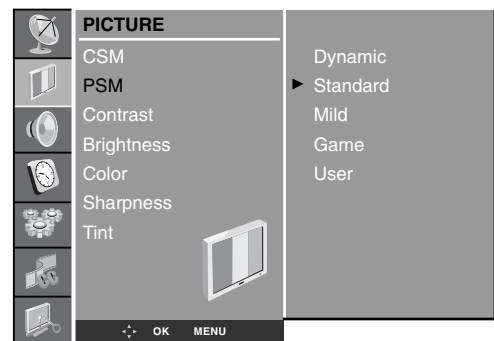|	
	SOUND
	SSM
	Balance
	AVL
	Audio Language
	OK MENU

Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.

Press the ▶ button and then use ▲ / ▼ button to select **SSM**.

Press the ▶ button and then use ▲ / ▼ button to select the desired sound item.

Repeatedly press the **MENU** button to return to normal TV viewing.

	SOUND	
	SSM	▶ Flat
	Balance	Music
	AVL	Movie
	Audio Language	Speech
		User >>>
	OK MENU	

Sound Frequency Adjustment

a. Press the ▶ button in **User**.

b. Select a sound band by pressing the ◀ / ▶ button.

c. Make appropriate sound level with the ▲ / ▼ button.

d. Press the **OK** button to store it for the sound **User**.

You can also recall a desired sound (**Flat**, **Music**, **Movie**, **Speech** or **User**) with **SSM** button on the remote control. The sound **Flat**, **Music**, **Movie** and **Speech** are programmed for good sound reproduction at the factory and cannot be changed.
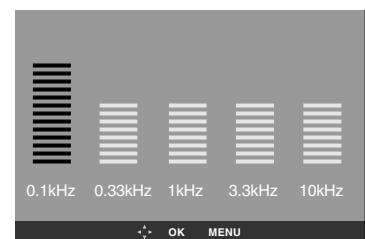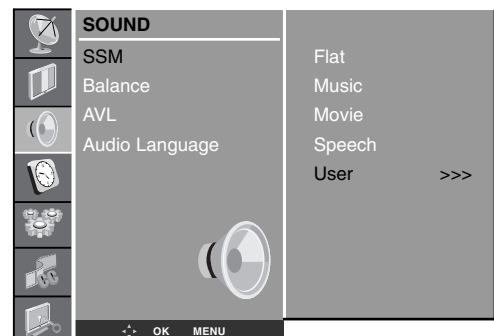
	SOUND	
	SSM	Flat
	Balance	Music
	AVL	Movie
	Audio Language	Speech
		User >>>
	OK MENU	

0.1kHz	0.33kHz	1kHz	3.3kHz	10kHz

OK MENU

Sound Menu

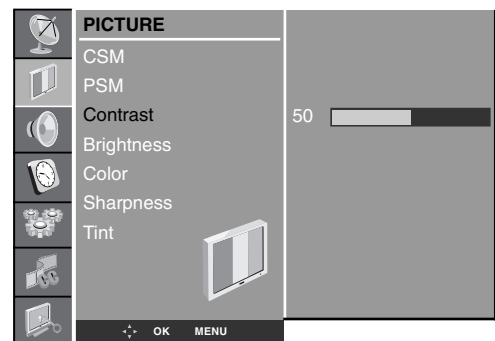## ‖ Balance

SOUND
SSM
Balance
AVL
Audio Language

OK   MENU

Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.

Press the ▶ button and then use ▲ / ▼ button to select the desired sound item.

Press the ▶ button and then use ◀ / ▶ button to make appropriate adjustments.

Repeatedly press the **MENU** button to return to normal TV viewing.

SOUND
SSM
Balance
AVL
Audio Language

L   R
0

OK   MENU
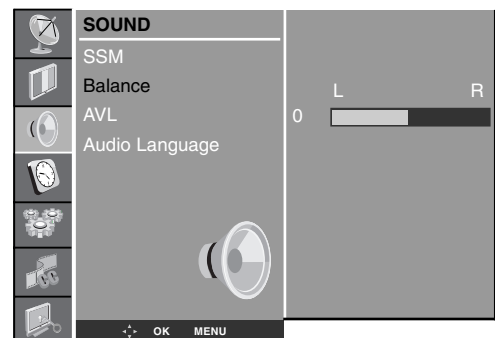
‖ AVL (Auto Volume Leveler)

Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.

Press the ▶ button and then use ▲ / ▼ button to select **AVL**.

Press the ▶ button and then use ▲ / ▼ button to select **On** or **Off**.

Repeatedly press the **MENU** button to return to normal TV viewing.
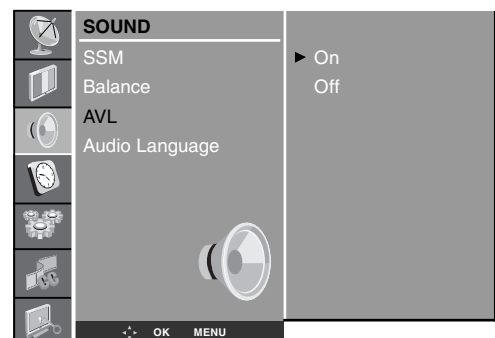
This feature maintains an equal volume level; even if you change channels.

SOUND
SSM
Balance
AVL
Audio Language

▶ On
   Off

OK   MENU

Sound Menu

‖ Audio Language (in digital mode only)

SOUND
SSM
Balance
AVL
Audio Language

◄‡► OK   MENU
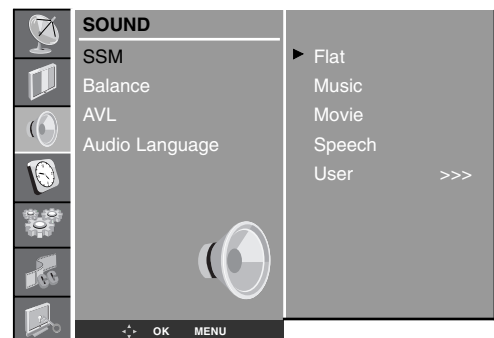
Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.

Press the ► button and then use ▲ / ▼ button to select **Audio Language**.

Press the ► button and then use ▲ / ▼ button to select **English**, **French** or **Spanish**.

Repeatedly press the **MENU** button to return to normal TV viewing.

SOUND
SSM
Balance
AVL
Audio Language

► English
French
Spanish

◄‡► OK   MENU

[Note]

a : *This function lets you select your preferred language for audio.*

b : *If the audio data in selected language is not broadcasted, the supported audio will be played.*

c : *If other languages available on the digital signal, select them with the* ***mts*** *button.*

d : *The broadcast supported audio language will be appear in turn.*

Sound Menu

‖ Stereo/SAP Broadcasts Setup

- The TV can receive **mts** stereo programs and any **SAP** (Secondary Audio Program) that accompanies the stereo program, if the broadcaster transmits an additional sound signal as well as the original one.

- **Mono** : The primary language is heard from left and right speakers. Signal mode is mono.

- **Stereo** : The primary language is heard from left and right speakers. Signal mode is stereo.

- **SAP** : The secondary language is heard from left and right speakers.

```
    ┌──► SAP ──► Stereo ──► Mono ─┐
    └─────────────────────────────┘
```

• Press the **mts** button repeatedly.

- Select mono sound mode if the signal is not clear or in poor signal reception areas.

- **Stereo**, **SAP** mode are available only if included on the broadcast signal.

[Note]
• *It's not available to use function in DTV mode.*

Time Menu

‖ Clock

[Auto]
- The time is set automatically from a digital channel signal.
- The digital channel signal includes information for the current time provided by the broadcasting station.
- Set the clock manually, if the current time is set incorrectly by the auto clock function.

Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

Press the ▶ button and then ▲ / ▼ button to select **Clock**.

Press the ▶ button and then ▲ / ▼ button to select **Auto**.

Repeatedly press the **MENU** button to return to normal TV viewing.

[Manual]
- If current time setting is wrong, reset the clock manually.

Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

Press the ▶ button and then ▲ / ▼ button to select **Clock**.

Press the ▶ button and then ▲ / ▼ button to select **Manual**.

Press the ▶ button and then ▲/ ▼ button to adjust the Month / day / year.

Press the ▶ button and then ▲ / ▼ button to adjust the hour / minute.

Repeatedly press the **MENU** button to return to normal TV viewing.

Time Menu

‖ On/Off Time

- The off timer automatically switches the set to standby at the preset time.

TIME
Clock
Off Time
On Time
Auto Sleep
Time Zone
Daylight saving

OK   MENU

Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

Press the ▶ button and then ▲ / ▼ button to select **Off Time** or **On Time**.

Press the ▶ button and then ▲ / ▼ button to select **On**.

To cancel **Off/On Time** function, press the ▲ / ▼ button to select **Off**.

Press the ▶ button and then ▲ / ▼ button to adjust the hour / minute.

Only On time function; Press the ▶ button and then ▲ / ▼ button to adjust volume level and channel number.

Repeatedly press the **MENU** button to return to normal TV viewing.

TIME
Clock
Off Time
On Time
Auto Sleep
Time Zone
Daylight saving

07 : 10 AM
CH   DTV2-1
VOL   12
Off

OK   MENU

[Note]

a. In the event of power interruption (disconnection or power failure), the clock must be reset.

b. Once the on or off time is set, these functions operate daily at the preset time.

c. Off Timer function overrides On Timer function if they are set to the same time.

d. The set must be in standby mode for the On Timer to work.

Time Menu

‖ Auto sleep

- If you select **On** on the **Auto Sleep** menu, the set will automatically switch itself to standby mode approximately ten minutes after a TV station stops broadcasting.

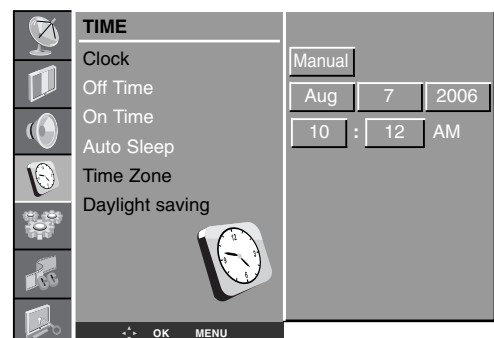| TIME |
|---|
| Clock |
| Off Time |
| On Time |
| Auto Sleep |
| Time Zone |
| Daylight saving |
| OK   MENU |

Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

Press the ► button and then ▲ / ▼ button to select **Auto Sleep**.

Press the ► button and then ▲ / ▼ button to select **On** or **Off**.

Repeatedly press the **MENU** button to return to normal TV viewing.

TIME	
Clock	► On
Off Time	Off
On Time	
Auto Sleep	
Time Zone	
Daylight saving	
OK MENU	

‖ Time Zone

- The **Time Zone** function don't need to be available in the **Clock Manual** function.
- Menus vary according to DTV and TV mode.
- When it confirms the **Time Zone**, it refers to the site lower port it wishes.
  " http://www.timetemperature.com/tzus/time_zone.shtml "

Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

Press the ► button and then ▲ / ▼ button to select **Time Zone**.

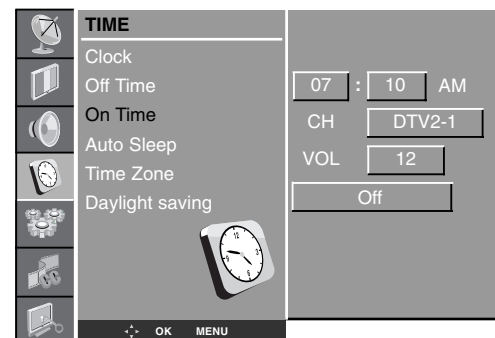Press the ► button and then ▲ / ▼ / ◄ / ► button to select **USA** or **Canada**.

Press the ▲ / ▼ button to select your viewing area time zone : **Eastern**, **Central**, **Mountain**, **Pacific**, **Alaska** or **Hawaii**.
(Canada area time zone : **New F.Land**, **Atlantic**, **Eastern**, **Central**, **Mountain**, **Pacific**)

Press the **OK** button to save.

Repeatedly press the **MENU** button to return to normal TV viewing.

TIME	
Clock	◄ U S A ►
Off Time	Eastern
On Time	Central
Auto Sleep	Mountain
Time Zone	Pacific
Daylight saving	Alaska
	Hawaii
OK MENU	

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Time Menu

‖ Daylight saving

- If you select **On** on the **Daylight saving** menu, observes Daylight Saving time.
- The **Daylight saving** function don't need to be available in the **Clock Manual** function.

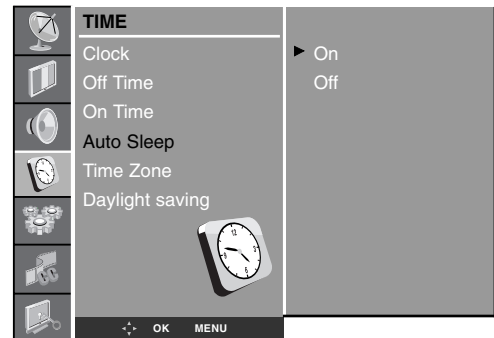|	TIME
	Clock
	Off Time
	On Time
	Auto Sleep
	Time Zone
	Daylight saving
	OK MENU

Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

Press the ▶ button and then ▲ / ▼ button to select **Daylight saving**.

Press the ▶ button and then ▲ / ▼ button to select **Auto**, **On** or **Off**.

Repeatedly press the **MENU** button to return to normal TV viewing.

	TIME	
	Clock	▶ Auto
	Off Time	On
	On Time	Off
	Auto Sleep	
	Time Zone	
	Daylight saving	
	OK MENU	
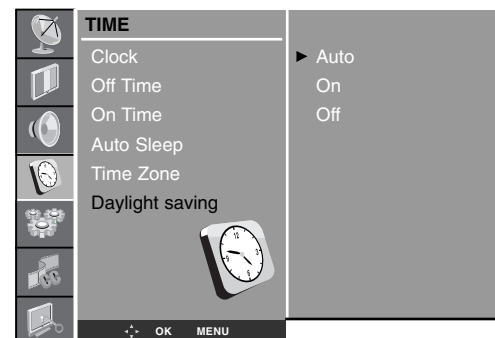
‖ Sleep timer

You don't have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time has elapsed.
Press the **SLEEP** button to select the number of minutes. The display '**Sleep Time - - min**' will appear on the screen, followed by **10**, **20**, **30**, **60**, **90**, **120**, **180** and **240**. The timer begins to count down from the number of minutes selected.

[Note]

a. To view the remaining sleep time, press the **SLEEP** button once.
b. To cancel the sleep time, repeatedly press the **SLEEP** button until the display '**Sleep Time - - min**' appears.
c. When you switch the set off, the set releases the preset sleep time.

Setup Menu

‖ Child Lock

- The TV can be set so that the remote control handset is needed to control it. This feature can be used to prevent unauthorized viewing.
- It's not available in the front button of the set.
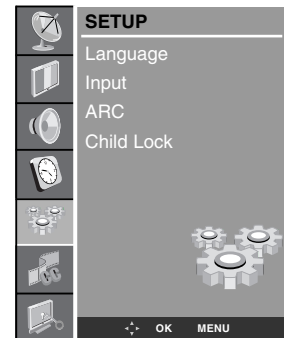
SETUP
Language
Input
ARC
Child Lock

◄╬► OK   MENU

Press the **MENU** button and then ▲ / ▼ button to select the SETUP menu.

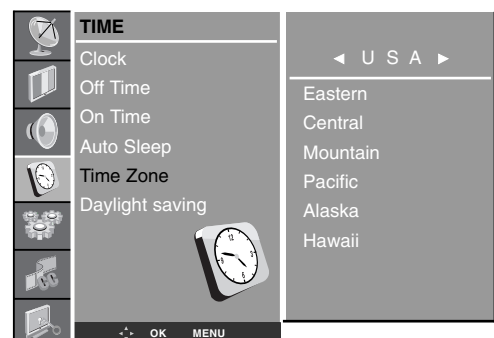Press the ► button and then ▲ / ▼ button to select **Child Lock**.

Press the ► button and then ▲ / ▼ button to select **On** or **Off**.

Repeatedly press the **MENU** button to return to normal TV viewing.

SETUP
Language   ► On
Input   Off
ARC
Child Lock

◄╬► OK   MENU

Caption Menu

‖ Caption Menu Setup

- Use the **CC** button repeatedly to select Captions.
- Customize The DTV/CADTV captions that appear on your screen.
- **Caption Option** are available in DTV mode only.

[Caption Mode]

Press the **MENU** button and then use ▲ / ▼ button to select the CAPTION menu.

Press the ► button and then use ▲ / ▼ button to select **Caption Mode**.

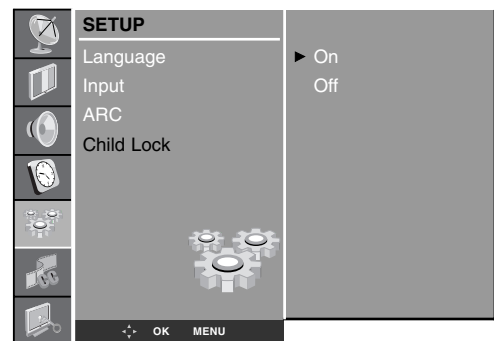Press the ► button and then use ◄ / ► button to select your caption selection.

Your choices are DTV mode : **Off**, **English**, **Spanish**, **French**, **Service4**, **Service5** and **Service6**.

Your choices are TV mode : **Off**, **CC1**, **CC2**, **CC3**, **CC4**, **Text 1**, **Text 2**, **Text3** and **Text4**.

Repeatedly press the **MENU** button to return to normal TV viewing.

[Caption Option]

Press the **MENU** button and then use ▲ / ▼ button to select the CAPTION menu.
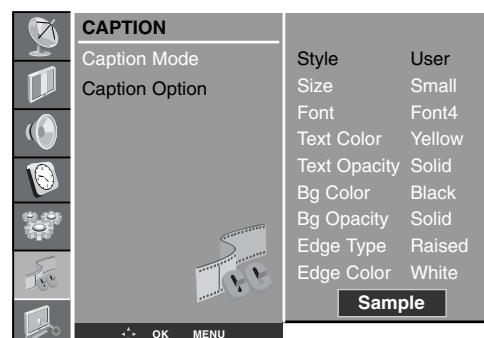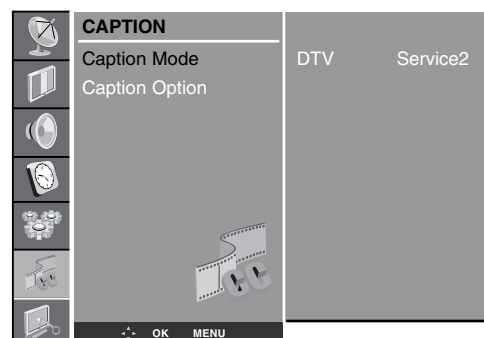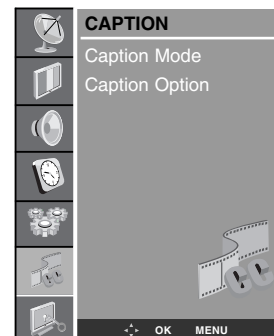
Press the ► button and then use ▲ / ▼ button to select **Caption Option**.

Press the ► button and then ▲ / ▼ button to select the desired font style item.

Press the ◄ / ► button to make appropriate adjustments font style.

A preview icon is provided at the bottom of the screen, use it to see the caption language.

Repeatedly press the **MENU** button to return to normal TV viewing.

Lock Menu (option)

‖ Lock Menu Options

Parental Control can be used to block specific channels, ratings and other viewing sources.

The Parental Control Function (V-Chip) is used to block program viewing based on the ratings sent by the broadcast station. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen to be blocked. It is also possible to block all program viewing for a time period.
To use this function, the following must be set :
1. Ratings and categories to be blocked.
2. Set a password
3. Enable the lock

[V-Chip rating and categories]

Rating guidelines are provided by broadcast stations. Most television programs and television movies can be blocked by TV Rating and/or Individual Categories. Movies that have been shown at the theaters or direct-to-video movies use the Movie Rating System (MPAA) only.

[For Movies previously shown in theaters :]

Movie Ratings :
• Unblocked
• G and Above : (general audience)
• PG and Above : (parental guidance suggested)
• PG-13 and Above : (13 years and older)
• R and Above : (Restricted, Children under 17 should be accompanied by an adult.)
• NC-17 and Above : (18 years and older)
• X : (adult)

- If you set PG-13 and Above : G and PG movies will be available, PG-13, NC-17 and X will be blocked.

Lock Menu (option)

[For Television programs including made-for-TV movies :]

General TV Ratings:
• Unblocked
• TV-G and Above : (general audience)
  (individual categories do not apply)
• TV-PG and Above : (parental guidance suggested)
• TV-14 and Above : (14 years and older)
• TV-MA : (mature audience)

Children TV Ratings:
• Unblocked
• TV-Y and Above : (youth)
  (individual content categories do not apply)
• TV-Y7 : (youth, 7 years and older)

Content Categories:
• Dialog - sexual dialogue :
  (applies to TV-PG and Above, TV-14, Unblocked)
• Language - adult language :
  (applies to TV-PG and Above,TV-14 and Above, TV-MA,
  Unblocked)
• Sex scenes - sexual situations :
  (applies to TV-PG and Above, TV-14 and Above, TV-MA,
  Unblocked)
• Violence :
  (applies to TV-PG and Above, TV-14 and Above, TV-MA,
  Unblocked)
• F Violence - fantasy violence :
  (applies to TV-PG and Above, TV-14 and Above, TV-MA,
  Unblocked)

Lock Menu (option)

[For Canadian English/French language rating system :]

Canadian English language rating system:
- Unblocked
- C and Above : (Children)
- C8+ and Above : (8 years and up)
- G and Above
  : (General programming. Suitable for all audiences.)
- PG and Above : (Parental guidance suggested)
- 14+and Above : (Viewers 14 years and older)
- 18+ : (Adult programming)

Canadian French language rating system:
- Unblocked
- G : (General)
- 8 ans+ : (8 years and older)
- 13 ans+ : (13 years and older)
- 16 ans+ : (16 years and older)
- 18 ans+ : (Adults only)

Lock Menu (option)

‖ Lock Menu Setup

LOCK

Lock System
Set Password
Rating
Input Block
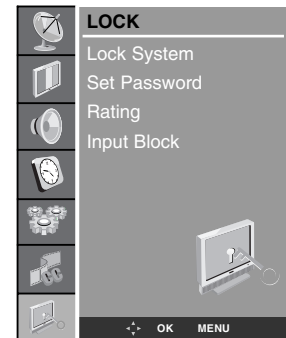
OK MENU

Press the **MENU** button and then use ▲ / ▼ button to select the LOCK menu.

Enter Password

■ ■ ■ ■

Then, press the ▶ button.

- If **LOCK** is already set, enter the password requested.
- The TV is set with the initial password "**0-0-0-0**".

[Setting Lock on/off]

- Enables or disables the blocking scheme you set up previously.

Press the ▲ / ▼ button to select **Lock System**.

Press the ▶ button and then use ▲ / ▼ button to select **On** or **Off**.

Repeatedly press the **MENU** button to return to normal TV viewing.

LOCK

Lock System   ▶ On
Set Password   Off
Rating
Input Block
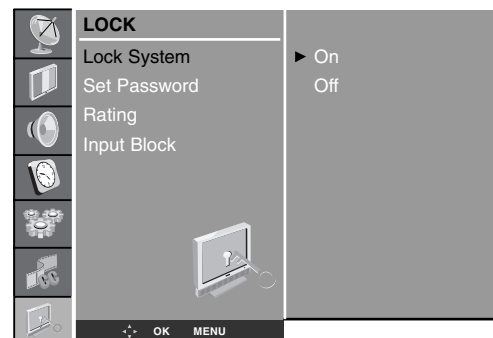
OK MENU

Lock Menu (option)

[Set password]

- Change the password by inputting a new password twice.

Press the ▲ / ▼ button to select **Set Password**.

Press the ▶ button.

Enter a four digit password.

As soon as the 4 digits are entered, re-enter the same 4 digits on the **New Password**, **Confirm Password**.

Press the **OK** button to save.

- If entering invalid password in **Confirm Password**,
  " Wrong Password.. " appears on screen.

Then your changed password has been memorized.

Repeatedly press the **MENU** button to return to normal TV viewing.

LOCK
Lock System
Set Password
Rating
Input Block

New Password
■ ■ ■ ■
Confirm Password
■ ■ ■ ■
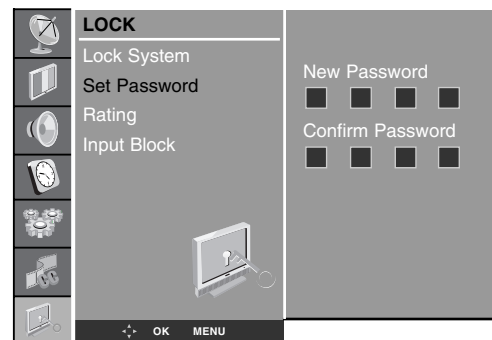
OK   MENU

Lock Menu (option)

[Rating]

- Selecting canadian/english/french rating system.

Press the ▲ / ▼ button to select **Rating**.

Press the ► button and then use ▲ / ▼ button to select **TV & MPAA** or **Canadian**.

Press the ► button and then use ▲ / ▼ button to select type of ratings to block.

Press the ◄ / ► button to select your rating selection.

Repeatedly press the **MENU** button to return to normal TV viewing.

LOCK

LOCK	
Lock System	► TV & MPAA
Set Password	Canadian
Rating	
Input Block	

◇ OK   MENU

Canadian Rating Menu

Canadian English		Canadian French	
E	🔒	E	🔒
C	☐	G	☐
C8+	☐	8 ans+	☐
G	☐	13 ans+	☐
PG	☐	16 ans+	☐
14+	☐	18 ans+	☐
18+	☐		

◇ OK   MENU

Rating Control

MPAA			TV RATING					
			ALL	FV	L	S	V	D
NONE	☐	NONE	🔒					
G	☐	G	☐					
PG	☐	PG	☐	☐				
PG-13	☐	PG-13	☐					
R	🔒	R	☐		☐	☐	☐	☐
NC-17	🔒	NC-17	☐		☐	☐	☐	☐
X	🔒	X	☐		☐	☐	☐	
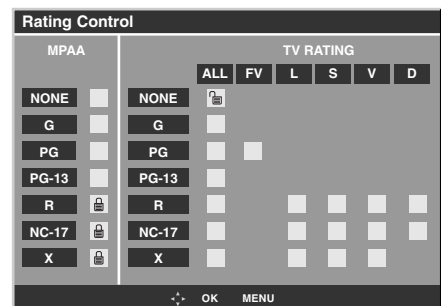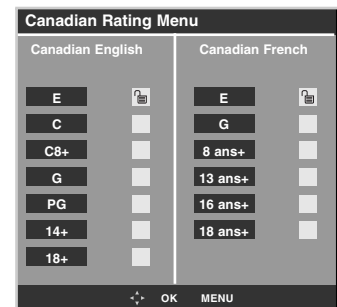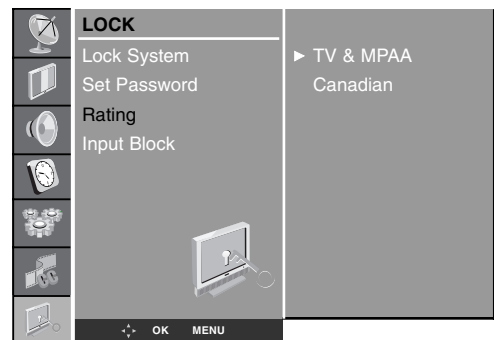
◇ OK   MENU

Lock Menu (option)

[Input Block]

- Enables you to select a source to block from the external source devices you have hooked up.

Press the ▲ / ▼ button to select **Input Block**.

Press the ▶ button to select **Component**.

Press the ◀ / ▶ button to select **Blocked** or **Unblocked**.

Repeatedly press the **MENU** button to return to normal TV viewing.

LOCK	
Lock System	Component Unblocked
Set Password	
Rating	
Input Block	

◇ OK   MENU
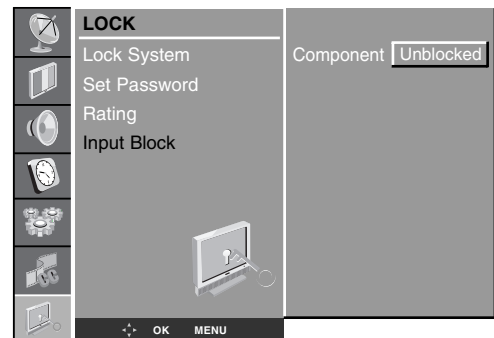
Optional features

Information

* DTV mode information appears on screen.

Ch 9-1 KBS D1	Aug/10/2006 3:27 PM	DTV 9-1
Speed	3:00 PM-4:45 PM	KBS D-1
16:9 HD 1080i Not Rating	DD Stereo	16:9
	Multilingual Caption	3:27 PM
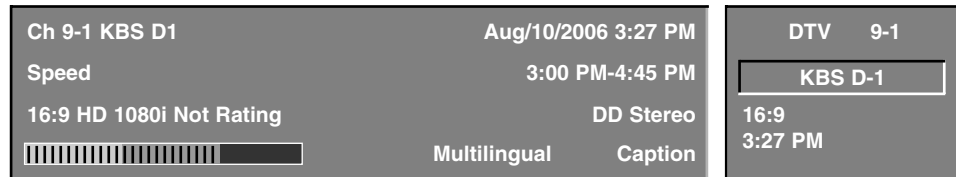
- This function shows the present screen information.

Press the **OK** button during watching TV.

The service information appears on screen.

Press the **OK** or **EXIT** button to exit.

[Note]
- *When you press the **OK** button, **Signal Strength** aren't displayed on the information OSD.*
- *It's disappeared after a while.*

Radio Menu

▌Basic Operation

- Be sure to select the **Radio** with **INPUT** button of the remote control before operation.

- When pressing the channel (▲ / ▼) button one time, it will increment the search by 0.1MHz.

- FM Radio reception quality depends on the broadcast conditions and the antenna, which should be fully extended.

```
           RADIO
 Mono           FCR 0
       107.30 MHz
```

▌Radio Station Manual Search

Press the **MENU** button.

Press the ▲ / ▼ buttons to select **Favorite Program**.

Use the ◄ / ► buttons to select your Favorite program selection.

Press the ▲ / ▼ buttons to select **Storage**.

Use the ◄ / ► buttons to select **Memory** or **Erase**.
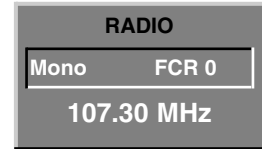
Press the ▲ / ▼ buttons to select **Frequency**.

Use the ◄ / ► buttons to search the radio channel.

When pressing the channel (◄ / ►) button one time, it will increment the search by 0.1MHz.

```
            Radio Menu

 Favorite Program        ◄ 0 ►
 Storage                 Erase
 Frequency               87.90 MHz
 Auto Program            ►►►

                   ⟨⟩ OK   MENU
```

```
            Radio Menu

 Favorite Program        ◄ 0 ►
 Storage                 Erase
 Frequency               87.90 MHz
 Auto Program            ►►►

                   ⟨⟩ OK   MENU
```

```
            Radio Menu

 Favorite Program        ◄ 0 ►
 Storage                 Erase
 Frequency               87.90 MHz
 Auto Program            ►►►

                   ⟨⟩ OK   MENU
```
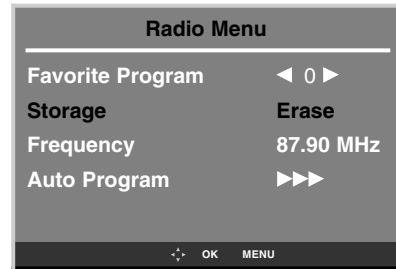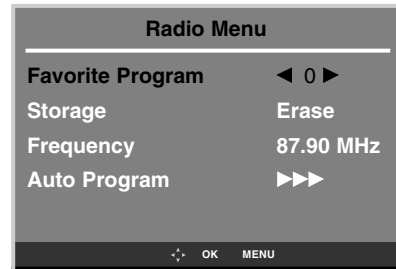
Radio Menu

‖ Radio Station Auto Search

Press the **MENU** button.

Press the ▲ / ▼ buttons to select **Auto Program**.

Press the ► button to begin the channel search.

```
            Radio Menu
  ─────────────────────────────
  Favorite Program      ◄ 0 ►
  Storage               Erase
  Frequency             87.90 MHz
  Auto Program          ►►►
  ─────────────────────────────
              ·¦·  OK    MENU
```
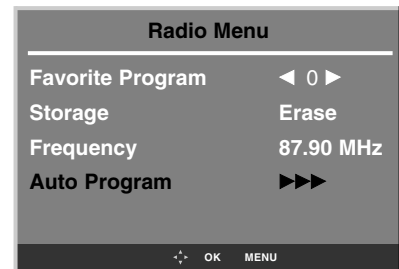
‖ Favorite Channel Memory

- Favorite channel memory is a convenient feature that lets you quickly scan up to five channels of your choice without having to wait for the radio to scan through all the in-between channels.

Press the **MENU** button and then select your desired radio channel.

Press the ■ **OK** button to save it to memory as the favorite channel.

To tune a favorite channel, press the **MENU** button to cycle through the saved favorites.

```
            RADIO
  ─────────────────────────────
  Mono            FCR 3
        107.30 MHz
```
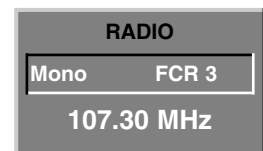
‖ Stereo Broadcast Setup

Press the **mts** button to toggle between **Mono** and **Stereo**.

| Mono | ◄——► | Stereo |

Troubleshooting Check list

Symptoms

No picture, no sound
Sound OK, poor picture
Picture OK, poor sound
Picture blurred
Lines or streaks in picture
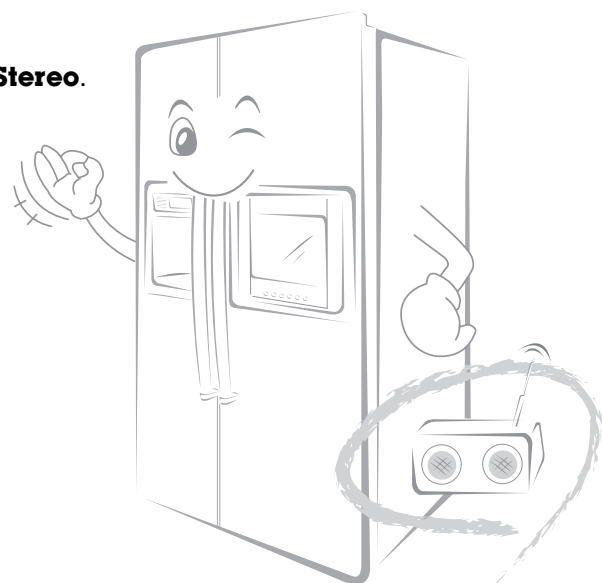Poor reception on some channels
No color
Poor color
Remote control does not work
Incorrect position
Vertical bars or stripes on background
Horizontal noise
Signal Cable message appears

Check these items and try to adjust these

Symptom →	No picture, no sound	Sound OK, poor picture	Picture OK, poor sound	Picture blurred	Lines or streaks in picture	Poor reception on some channels	No color	Poor color	Remote control does not work	Incorrect position	Vertical bars or stripes on background	Horizontal noise	Signal Cable message appears	Check / Adjust
	✓								✓					The mains plug-(plugged in and switched on)
	✓								✓					Is the TV switched on
	✓	✓	✓	✓	✓	✓	✓	✓						Try another channel (weak signal)
	✓	✓	✓	✓	✓	✓	✓							Check aerial (plugged into TV?)
	✓	✓	✓	✓	✓	✓								Check aerial (broken lead?)
	✓	✓	✓	✓	✓	✓								Check aerial
		✓	✓	✓	✓									Check for local interference
		✓												Adjust contrast
		✓												Adjust brightness
							✓	✓						Adjust color
			✓											Adjust volume
									✓					Check the batteries in remote control. Check distance and angle.
	✓	✓	✓		✓		✓	✓						Check Audio/Video sockets (VCR only)
										✓				Auto-configure or adjust the H/V position
											✓			Auto-configure or adjust Clock
												✓		Auto-configure or adjust Clock Phase
													✓	Is the Signal Cable connected or loose

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Commandes