



Wireless LCD TV

User's Guide
(15LW1R/15LW1T)



Please read the "Safety Precautions" section carefully to use this product properly

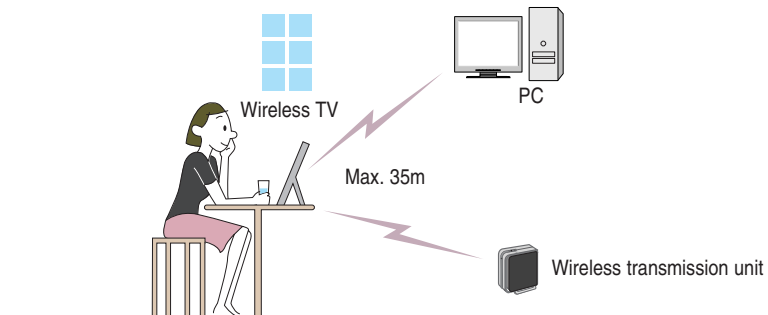
Major Functions of Wireless LCD TV

Wireless TV Function

- * Wireless transmission unit enables you to watch TV in a place where the antenna is not connected such as in a kitchen, lounge or bedroom.

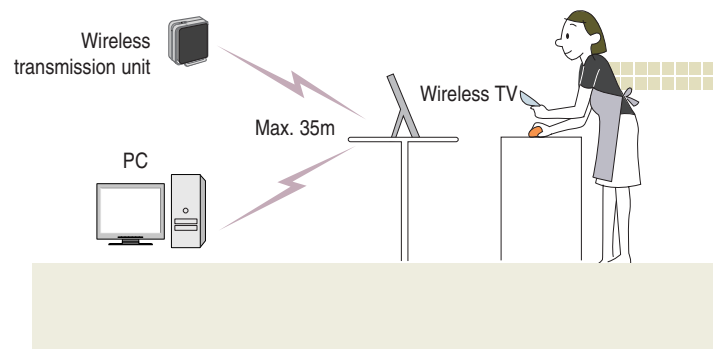
Media Player Function

- * When connected to your PC, you can play back pictures, music files or video.



Note

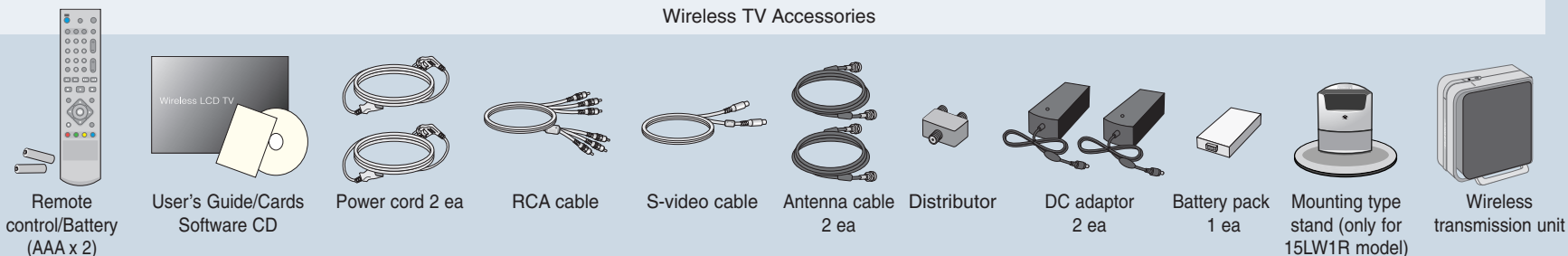
- * The maximum usage distance is 35m if no obstacle or network interference exists.
- * A mosaic screen may appear if network connection is poor, since broadcasting is converted to the MPEG format before transmitted wirelessly.
- * This product can be affected by an electrical microwave, wireless LAN card or radio wave generator.
- * The broadcasting screen appears 1.5 second behind the general TV due to the characteristics of wireless transmission.



Thank you purchasing LG product. Please check whether the following accessories are included in the wireless TV package.

- * Actual wireless TV and its accessories may look differently.

Wireless TV Accessories



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Warning

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 reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

CAUTION:

Do not attempt to modify this product in any way without written authorization from LG Electronics Corporation.

Unauthorized modification could void the user's authority to operate this product.

U.S.A. only -----**COMPLIANCE:**

The responsible party for this product's compliance is:

LG Electronics U.S.A., Inc.

1000 Sylvan Avenue, Englewood Cliffs, NJ 07632

Phone: 1-201-816-2000

<http://www.lgusa.com>

Safety Information

SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS

POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your TV OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

INTERFERENCE TO MEDICAL DEVICES

Certain electronic equipment may be shielded against RF signal from you wireless TV. (Pacemakers, Hearing Aids, and so on) Turn your TV OFF in health care facilities when any regulations posted in these areas instruct you to do so.

RF signals may affect improperly installed or inadequately shielded electronic system in motor vehicles.

EXPOSURE TO RF ENERGY

Use only the supplied or an approved replacement antenna.

Do not touch the antenna unnecessarily when the TV is in use.

Do not move the antenna close to, or touching any exposed part of the body when making a call.

SAFETY INFORMATION FOR RF EXPOSURE

BODY WORN OPERATION

This device was tested for typical body-worn operations with the back of the TV kept 15 mm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 15 mm.

Separation distance between the user's body and the back of the TV, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

SAR (Specific Absorption Rates) Information

THIS MODEL TV MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless TV is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless TV employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. *Tests for SAR are conducted with the TV transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the TV while operating can be well below the maximum value. This is because the TV is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a TV model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model when tested for use at the when worn on the body, as described in this user guide, is 0.094 W/Kg (Wireless Transmission Unit), 0.200 W/Kg(Wireless TV). (Body-worn measurements differ among models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: BEJ15LW1T(Wireless Transmission Unit), BEJ15LW1R(Wireless TV).

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>.

* In the United States and Canada, the SAR limit for mobile TV used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a sub-stantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Safety instructions

WARNING:

To reduce the risk of fire or electric shock, DO NOT expose this apparatus to rain or moisture.

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

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 a dry cloth.
7. Do not block any of the 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 is provided for your safety. When 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.
11. Only use the attachments / accessories specified by the manufacturer.
12.  Use only with a 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.

S3125A

Safety instructions continued

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 anyway, 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.

On Disposal

- a. The fluorescent lamp used in this product contains a small amount of mercury.
- b. Do not dispose of this product with general household waste.
Disposal of this product must be carried out in accordance to the regulations of your local authority.

FCC Compliance Information

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received.
Including interference that may cause undesired operation.

Safety Precautions

The following safety precautions are provided to prevent an unexpected accident or damage, through safe and accurate usage of the product.

Safety precautions can be grouped into "Warning" and "Caution" and have the following meaning.

- ⚠ Warning: If instruction is ignored or violated, you can be seriously injured or even killed.
 - ⚠ Caution: If instruction is ignored or violated, you can be slightly injured or the product can be damaged.
 - ⊘ Prohibited: You must not do the thing described after this symbol.
- Please keep this User's Guide at the place where everybody can easily access, after reading this User's Guide.



WARNING

if instruction is ignored or violated, you can be seriously injured or even killed.

Installation



If smoke is rising, or if you hear strange sound or have a bad smell, plug out the power cord and contact with the service center

You can receive an electric shock or a fire can break out.



Do not neglect power or signal cable on the path.

If somebody is caught by the cord and collapses, he can receive an electric shock or be injured, or the product can be damaged



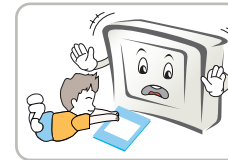
Do not put heavy objects or ride on the TV.

Warn the children against injury by collapsing or falling down.



Do not insert any metallic object such as coin, hairpin or iron stuff, or combustible object. Especially, warn the children.

You can receive an electric shock or a fire can break out.
If any foreign object is inserted, plug out the power cord and contact with the service center.

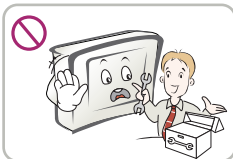


Keep anti-moisture product package or vinyl package out of reach of children.

If swallowed by mistake, throw it up immediately and visit the nearby hospital.

Safety Precautions

Usage



Only a qualified technician should disassemble, repair or modify the product.

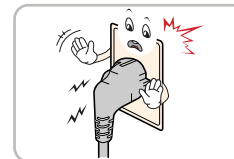
You can receive an electric shock or a fire can break out.

Please contact with the service center for check, calibration or repair.



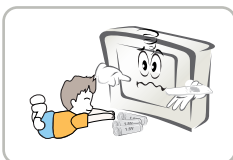
Do not put fluid container such as flower vase, flowerpot, cup, cosmetics or medical supplies as well as decoration stuff and candle on the wireless TV or wireless transmission unit.

You can be injured by fire, electric shock or falling down.



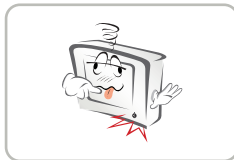
If you detect gas (urban gas) leakage, never touch the power consent, and open the window for ventilation.

Flame can cause a fire or burning injury.



Warn children not to swallow the battery when replacing it for remote control. Keep the battery out of reach of children.

If a child swallows the battery, consult a doctor immediately.



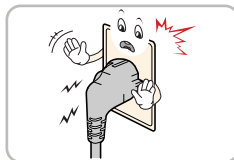
Do not use the product while it is broken such as no screen display or no sound.

Turn off the product, and plug out the power cord from the consent, and contact with the service center.

You can receive an electric shock or a fire can break out.

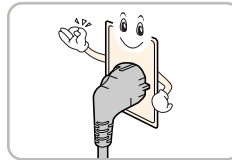
Safety Precautions

Power Related Precautions



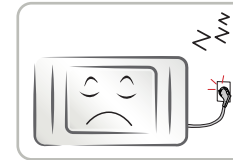
Ensure the power cable is connected to the grounded power consent.

You can receive an electric shock or be injured.



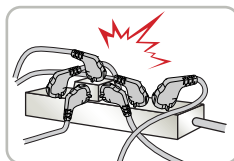
Use the specified rated voltage.

The wireless TV can be damaged, or you can be injured.



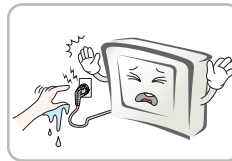
Plug out the power cable when not in use for a long time.

The product can be covered with dust, which can cause electric leakage, electric shock or fire due to heating, ignition or worn-out insulation.



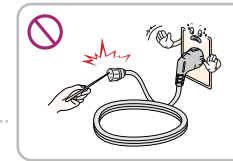
Do not use several devices at the same time when using the multi-consent, and use the grounded multi-consent exclusively designed for the computer.

A fire may break out due to overheating.



Do not touch the power plug with wet hands. If the cord pin is wet or covered with dust, dry it completely or scrub it off before use.

You can receive an electric shock.



Do not insert a conductor such as metal chopstick into another groove of the consent while it holds the power cable.

Additionally, do not touch the power plug right after plugging-out.

You can receive an electric shock.

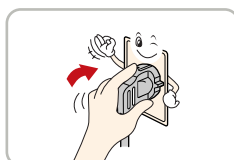
CAUTION concerning the Power Cord

Most appliances recommend they be placed upon a dedicated circuit; that is, a single outlet circuit which powers only that appliance and has no additional outlets or ranch circuits. Check the specification page of this owner's manual to be certain.

Do not overload wall outlets. Overloaded wall outlets, loose or damaged Wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized servicer.

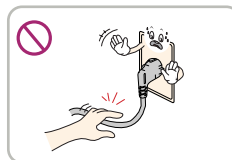
Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon.

Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.



Firmly plug in the power plug so that it does not shake.

If not connected firmly, a fire can break out.



Hold the plug with your hand when pulling out the power cable. Do not bend the cord with excessive force, or put the heavy object on it.

An electric wire can be damaged, which can cause an electric shock or a fire.

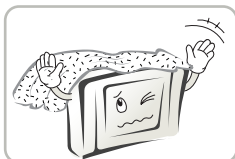
Safety Precautions



CAUTION

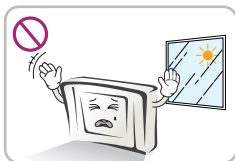
If instruction is ignored or violated, you can be slightly injured or the product can be damaged.

Installation



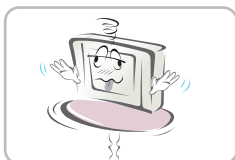
Ensure that the ventilating opening is not blocked by a tablecloth, curtain or similar material.

The product can be damaged due to the internal temperature rising, or a fire can break out.



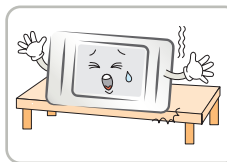
Do not install the product under the direct sunlight.

The product can be damaged or a fire can break out.



When installing in the decoration cabinet or on the shelf, ensure that the front bottom of the product is not projecting out beyond the front of the cabinet or shelf.

The centre of gravity can be unbalanced, which can cause an injury or breakdown of the product. Ensure to use the decoration cabinet or shelf that fits into the product size.



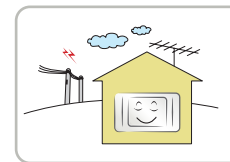
Install the product on a flat and stable surface that has no risk of moving or collapsing.

If the product falls, you can be injured or the product can be broken.



Do not install the product at the unstable and vibrating place - on shaking shelf or tilting place.

The product can fall or be turned over, which can cause an injury.



Install the product in a place free of electromagnetic interference.

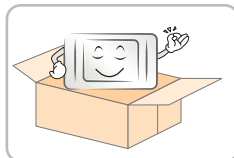


Do not install the product at the place where oil or moisture can reach – such as beside the kitchen table or the humidifier.

You can receive an electric shock or a fire can break out

Safety precautions

Movement



Do not throw away the product package box that contains the product during transportation.
Use the package box when moving the product.



Do not apply a shock to the product at the time of transportation.
You can be injured or the product can be damaged.

Power Related Precautions



Do not separate the power cord while in use and the battery is not mounted.
The product can be damaged by electric shock.



If the power plug pin or the consent is covered with dust, clean it.
A fire can break out

Cleaning



Consult with the sales office or the service center about cleaning at least one time a year.
A fire can break out or the product is broken or if you don't clean the product so that the inside of the product is covered with dust for a long time.



Plug out the power cable, the signal cable and the battery before cleaning the product.
You can receive an electric shock or a fire can break out

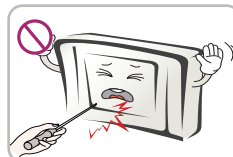
Safety Precautions

Usage



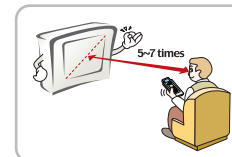
Do not use or store inflammable materials close to the product.

The product can explode or a fire can break out.



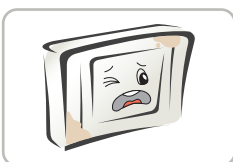
Do not strongly press or scratch the panel with sharp objects (nail, pencil or pen).

A panel can be damaged or broken.



Keep the distance from the product about 5 ~ 7 times of the diagonal distance of the screen.

Your vision can be impaired if you watch the TV too closely for a long time.

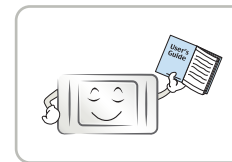


Always keep the product clean.



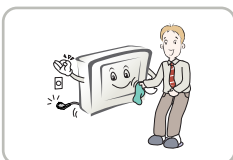
Use the exclusive detergent for product cleaning. (Do not use benzene, thinner or alcohol.)

The product can be deformed



Set the proper resolution and frequency by referring to the User's Guide.

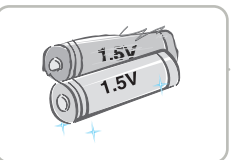
Your vision can be impaired.



Plug out the power cord and scrub with a soft cloth instead of wet cloth, when cleaning the panel surface.

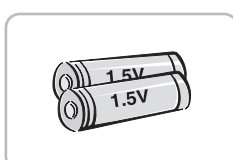
If water infiltrates through the crevice, it is mostly like to cause an electric shock accident or product breakdown.

Others



Do not mix new and old batteries for the product.

A fire can break out or you can receive an electric shock due to battery breakdown or an electrolyte.

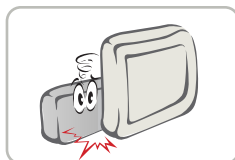


Do not use a battery that is not designated by the manufacturer.

A fire can break out or you can receive an electric shock due to battery breakdown or an electrolyte.

Safety Precautions

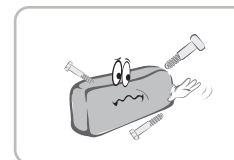
Battery pack



Do not charge the battery pack using another power supply device or circuit.
The battery pack can be damaged or a fire can break out.



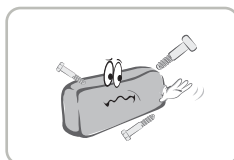
Do not throw away the used battery pack carelessly.
There is a risk of an explosion or a fire. Disposal method can be different for each country or region.
Use the proper disposal method.



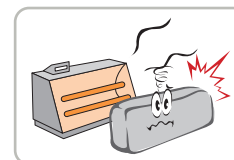
Do not throw or disassemble the battery pack.
There is a risk of a fire or an explosion due to a damaged battery pack.



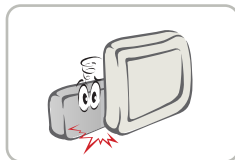
Use the battery pack approved and certified by LG Electronics only.
There is a risk of an explosion or a fire.



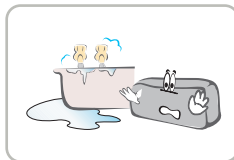
Do not keep the battery pack close to the metallic object like a key or a clip.
The battery pack can be damaged, or a fire can break out, or you can be burned due to rapid temperature rising by over-current.



Do not store the product near a heat-generating place like a heater.
A fire can break out or the product can be broken.



Be careful the battery pack terminals do not form a short circuit.
There is a risk of an explosion.



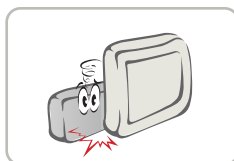
Do not store high temperature (over 60 degrees) or humidity area.
There is a risk of an explosion or a fire.



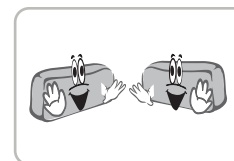
Keep out of reach of the children.
The children can be injured or the product can be broken.



Ensure that the battery pack is firmly inserted.
There is a risk of an explosion or a fire.



Handle the battery pack with care since it contains lithium.
There is a risk of an explosion or a fire.



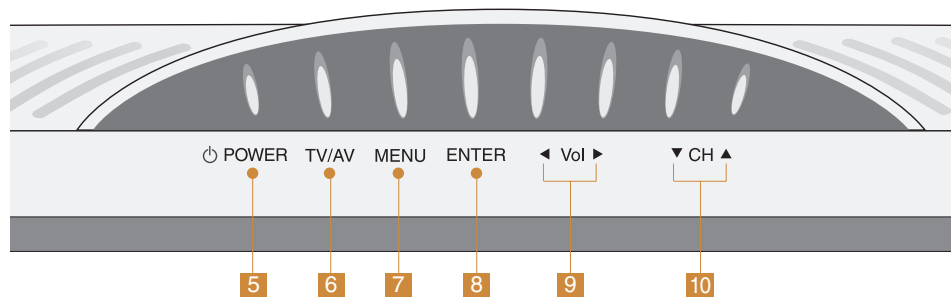
Use the same type of battery pack when replacing with new one.

Name and Functions of Wireless TV Parts

Front view of wireless TV: Screen adjustment button



Upper view of the wireless TV: Screen adjustment button



1 Network status LED Shows the status of the wireless transmission unit in the system or connection to the computer.

2 Battery status LED Shows the battery status of the system. For more details, see page 17.

3 Remote controller sensor

4 Power/Standby indicator Shows blue color under normal operation. Brightness becomes dimmer as time goes by.

5 Power button Press the button to turn on and press again to turn off.

6 TV/AV button Each time you press this button, the signal will be switched by the following order.

TV -> **Video** -> **S-Video**

7 Menu button Shows/Hides the OSD (On Screen Display) menu screen while the wireless TV is on.

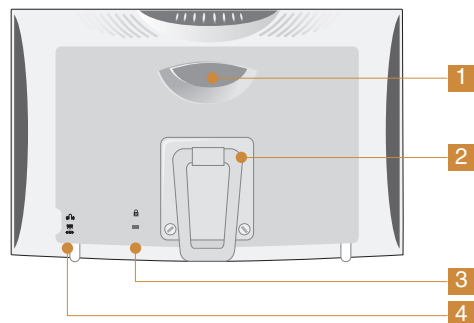
8 ENTER button Displays the channel/battery information while the wireless TV is on. Or, you can save the wireless TV adjustment settings.

9 Volume button Adjusts the volume.

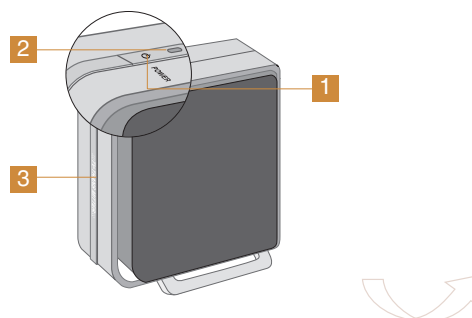
10 Channel button Adjusts the channel.

Name and Functions of Wireless TV Parts

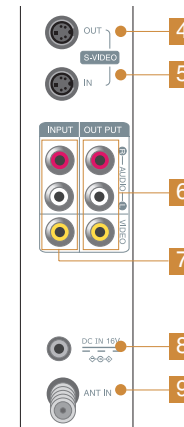
Rear view of the wireless TV



Wireless transmission unit

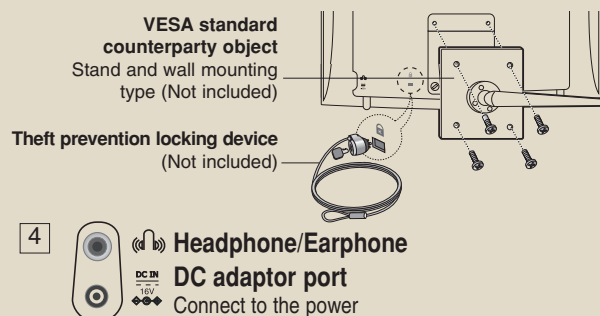


Rear view of the transmission unit



Rear view of the wireless TV

- 1 **Holder**
- 2 **Stand** You can insert a battery by separating a stand. Or you can connect to the VESA standard counterpart object by separating a stand. (See the below figure)
- 3 **Theft prevention locking device**
This device is used to prevent theft by connecting the locking cable (optional). See the below figure.



Wireless Transmission Unit

- 1 **Power Button** Press the button to turn on and press again to turn off.
- 2 **Power/ Standby indicator** Shows the power status of the wireless transmission unit. Shows red color in the normal operation status and shows yellow color if the power of the wireless transmission unit is turned off.
- 3 **Network status indicator** connection to the wireless TV. Shows blue color if the wireless TV is turned on (network connection is established), and the status indicator is turned off if the wireless TV power is turned off (network connection is released).
- 4 **S-video output port**
- 5 **S-video input port**
- 6 **AV output port**
- 7 **AV input port**
- 8 **DC adaptor port** Connect to the power.
- 9 **Antenna input port** Connect to the antenna so that you can watch the wireless TV.

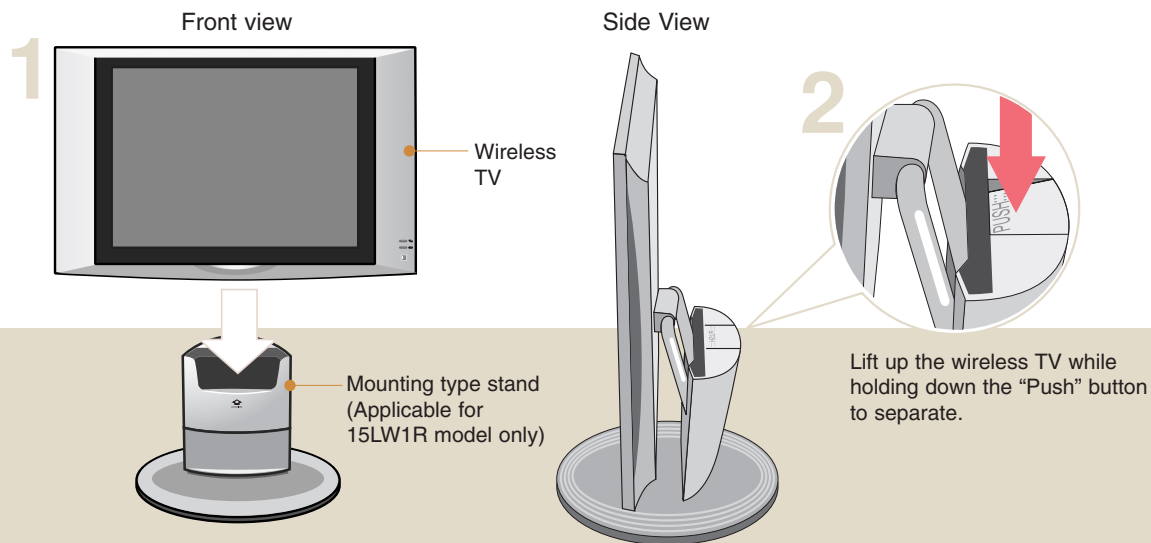
RS-232C (Bottom of the wireless TV, bottom of the wireless transmission unit)



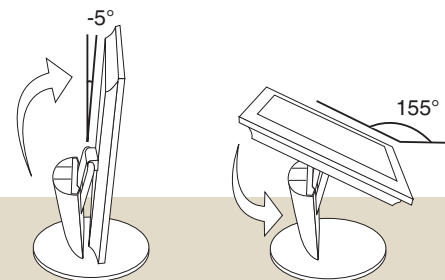
Only the service engineer can use this port. Do not connect carelessly.

Name and Functions of Wireless TV Parts

Watching the wireless TV using the mounting type stand (Applicable for 15LW1R model only)



When watching the wireless TV using the mounting type stand
Adjust the angle of the stand as shown below.

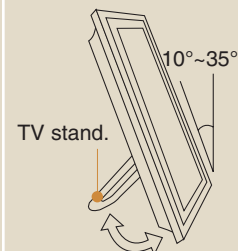


You can watch the wireless TV at any angle using the mounting type stand.

Unfold the wireless TV stand and put it on the mounting type stand.

If the stand is not fixed properly, the stand can be separated and broken down. Press the TV until you hear a "click" sound to fix it in place firmly.

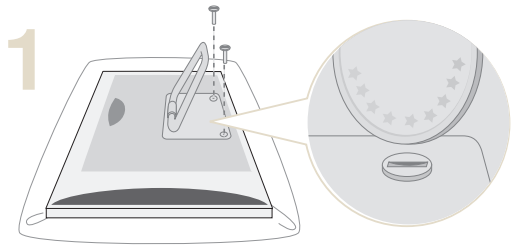
When watching the wireless TV using the wireless TV stand.



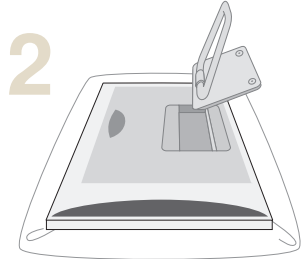
Be careful because the stand can be broken if you apply excessive force while the stand is unfolded.

Name and Functions of Wireless TV Parts

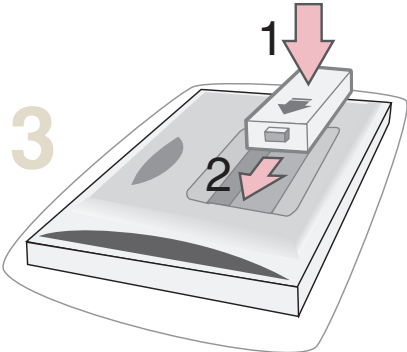
Installing a battery



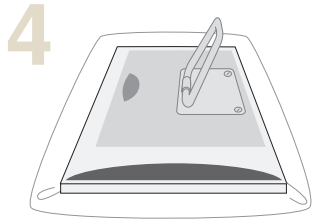
Cover the floor with soft cloth or a cushion, and turn down the wireless TV and unfold the wireless TV stand. Unscrew the screws at both sides as shown in the figure. You can use a coin or a screwdriver to loosen the screws easily.



Separate the wireless TV stand.



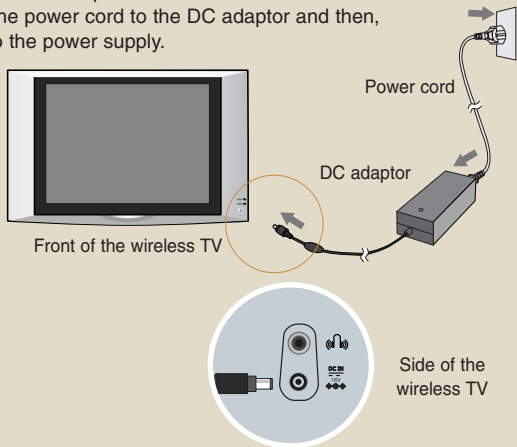
Insert the battery toward the #1 arrow direction (downward). Then, push to the #2 arrow direction and fix it.



Close the stand cover after inserting the battery and then, screw it using a coin or the screw driver.

To charge the battery

1. Connect the DC adaptor to the wireless TV.
2. Connect the power cord to the DC adaptor and then, connect to the power supply.



Battery Status LED

When using the battery (DC adaptor is not connected)	Remaining Amount (%)	Status LED Color
	30 ~ 100	Green
	10 ~ 30	Yellow
	Under 10	Yellow (blinking)
	0	off

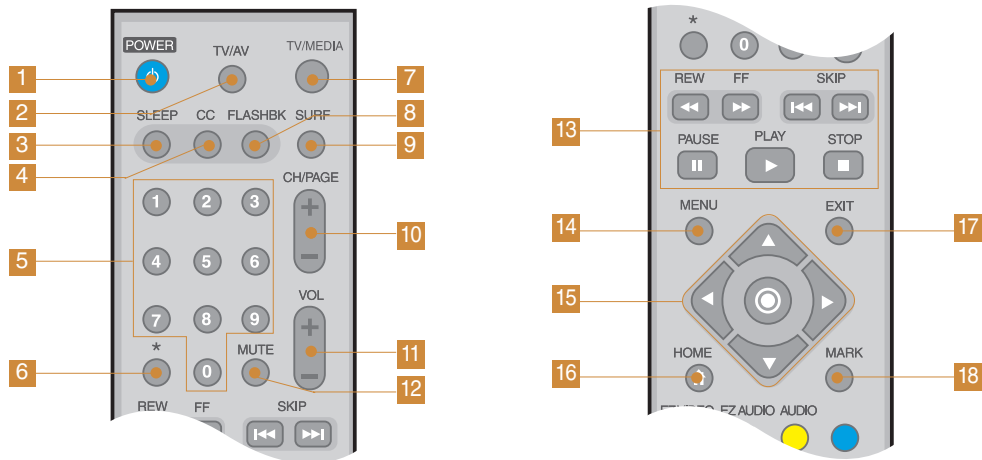
When charging the battery (DC adaptor is connected)	Charging Amount (%)	Status LED Color
	Under 97	Yellow
	Over 98	Green

Battery Charging and Maximum Usage time

When charging the battery (DC adaptor is connected)	If TV is on	Max. 6 hours
	If TV is off	Max. 4 hours
Maximum battery usage time	If TV is on	Max. 3 hours

* The maximum battery usage time can differ according to the usage temperature or usage duration.
* If the battery is not used for a long time, it can be discharged. In this case, charge the battery first before use.

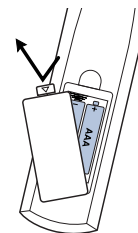
Name and Functions of Remote Control



How to change the battery

Slide the battery cover downward (to the arrow direction) to open it. Then, insert the batteries (1.5V, 2 AAA type alkaline batteries) to the (+) and (-) direction as marked inside the remote control battery holder and then, close the cover.

- Put the used batteries into the recycling bin since it can negatively affect the environment.



1 POWER

2 TV/AV

Each time you press the button, **TV -> Video -> S-Video** will be displayed sequentially.

3 SLEEP

TV will be automatically turned off while it is on. Set the time duration you want by pressing this button repetitively.

4 CC

See page 35.

5 NUMBER buttons

6 * No function

7 TV/MEDIA

Use this button to use the Media Browser in the TV, or vice versa.

8 FLASHBK

Use this button to select the previous channel.

9 SURF

See page 28.

10 CH/PAGE

TV: Changes the channel.

Media Browser: Moves the list page by page.

11 VOL

Use this button to adjust the volume.

12 MUTE

Use this button to suppress the sound from the speaker.

13 Media handling buttons

Used in the Media Browser.

14 MENU

TV: Adjusts the TV functions.

Media Browser: Moves to the setting screen.

Moves to the previous menu in the Menu screen.

15 MOVE/SELECT buttons

TV: Changes TV/AV settings.

Media Browser: Moves the list.

16 HOME

Media Browser: Moves to the home screen.

17 EXIT

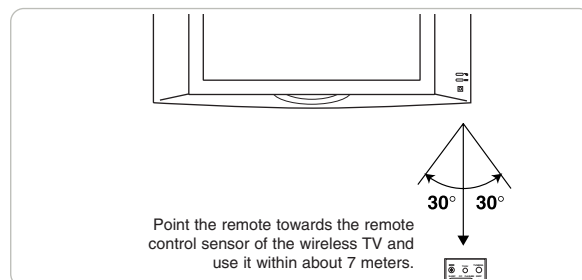
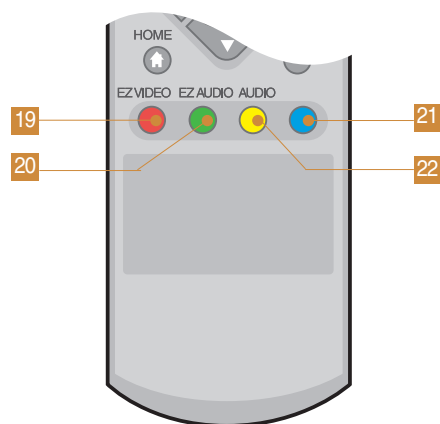
TV: Hides the Menu screen.

Media Browser: Stops the slide show.

18 MARK

Media Browser: Selects the list or cancels list selection.

Name and Functions of Remote Control



19 EZ VIDEO

TV: Adjusts the screen status to your preference. (See page 29)

Media Browser: Arranges the list.

20 EZ AUDIO

TV: Adjust the audio status to your preference. (See page 32)

Media Browser: Selects multiple files.

21 Media Browser

Starts the slide show, Plays back the music file randomly, Shows/Hides the movie caption.

22 AUDIO

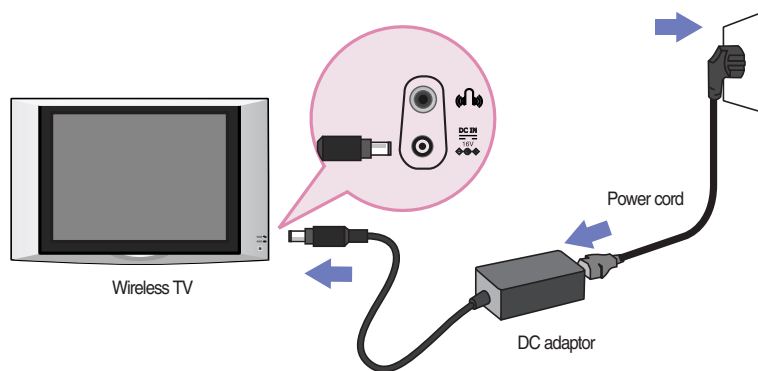
Each you press the button, **Mono -> Stereo -> SAP** will be displayed sequentially. (See page 32)

Media Browser: Plays back the music file repetitively.

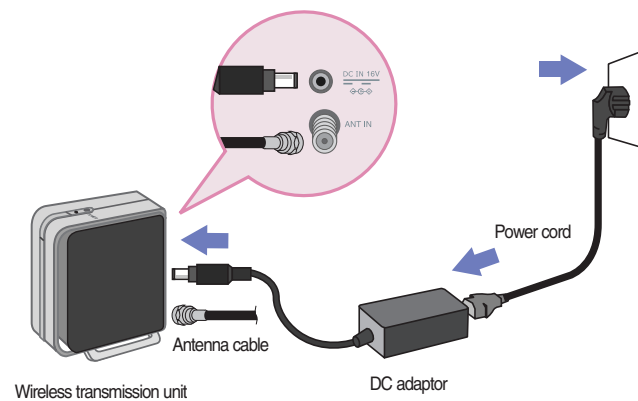
Connecting the Wireless TV

Connect the power as shown in the following figure to use the wireless TV.

Connecting the electric power to the wireless TV



Connecting the electric power to the wireless transmission unit

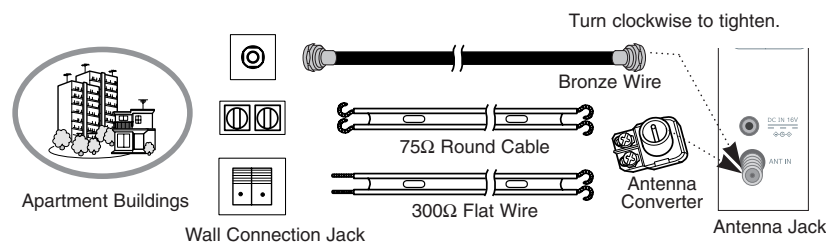


Connecting the Antenna

- For optimum picture quality, adjust antenna direction.

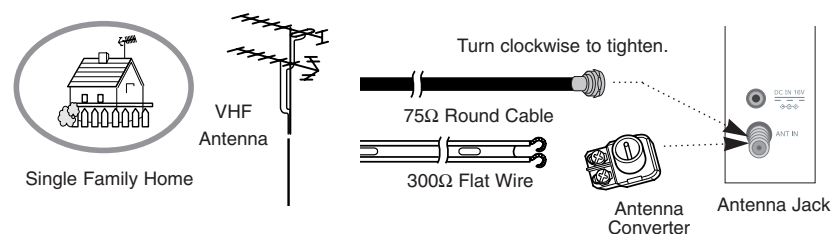
Connecting to an Inside Antenna Setup

- Typical wall antenna jack used in apartment buildings, connect the antenna cable as shown below.
(Use the correct type of antenna cable for the type of wall antenna jack.)



Connecting to an Outdoor Antenna Setup

- This type of antenna is commonly used in single family dwellings.



- If you have a 75Ω round cable, insert the bronze wire and then tighten the connection nut. If you have a 300Ω flat wire, connect the twisted wire to the antenna converter and then connect the converter to the antenna jack on the TV.
- If using 75Ω round cable, do not bend the bronze wire. It may cause poor picture quality.

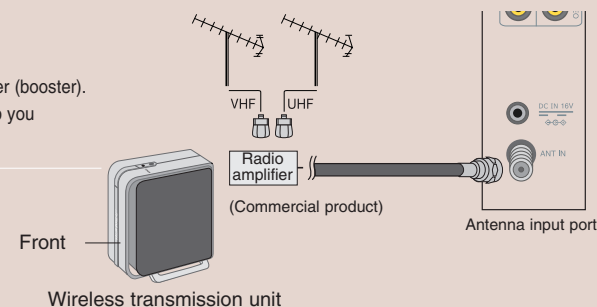
Necessary Connection Cable

- Antenna cable (Not included)



Note

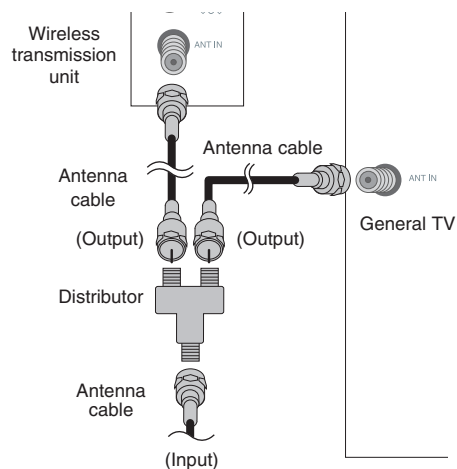
- You can enjoy the better quality screen in the weak radio reception area if you install the radio amplifier (booster).
- If you have a difficulty in installing the antenna, consult a specialized antenna dealer or the sales shop you purchased the antenna from.
- Do not attach the wireless transmission unit to the wall as much as possible.
- If you find a mosaic pattern on the screen or the screen is not displayed properly due to poor network connection, set the front side of the wireless transmission unit to face towards the wireless TV.



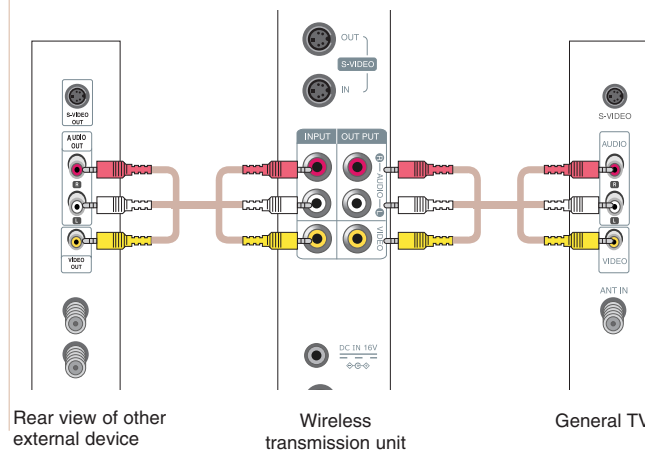
Watching more than 2 TV Sets

- Connect the connection port with the same color.
- If the video supports the mono only, connect the audio (left) and video input port of the wireless transmission unit to the audio and video output port of the video.
- If you connect to the S-Video port, you can enjoy the high-resolution video.

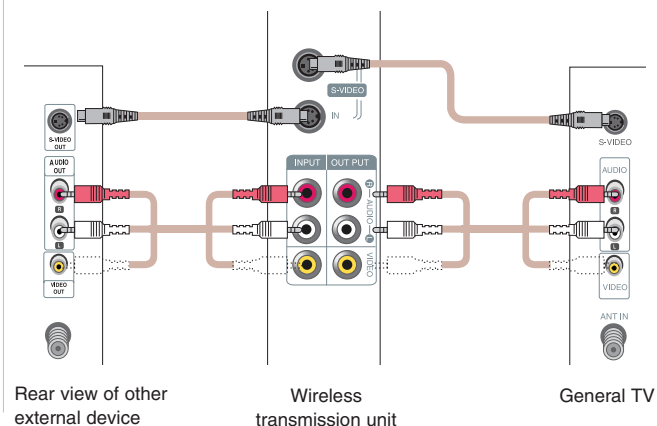
1 When connecting with the antenna cable using the distributor



2 When connecting with the RCA cable



3 When connecting with the S-Video cable



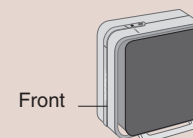
Necessary Connection Cables

- RCA cable
- S-Video cable
- Antenna cable (Not included)



Note

- Do not attach the wireless transmission unit to the wall as much as possible.
- If you find a mosaic pattern on the screen or the screen is not displayed properly due to poor network connection, set the front side of the wireless transmission unit to face towards the wireless TV.
- If you connect more than 2 TV sets, the image quality can be deteriorated.



Front

Wireless transmission unit

Watching Video/DVD

- Connect the connection port with the same color when connecting the wireless transmission unit to the external device.
- If the video supports the mono only, connect the audio (left) and video input port of the wireless transmission unit to the audio and video output port of the video.
- If you connect to the S-Video port, you can enjoy the high-resolution video.
- Be careful because the afterimage can appear on the screen if you watch the TV through connection to the external device, or let text, such as the program name, appear on the screen for a long time.

When connecting with the antenna

- 1 Turn on the wireless TV and select channel #3 or #4 using the TV remote control.

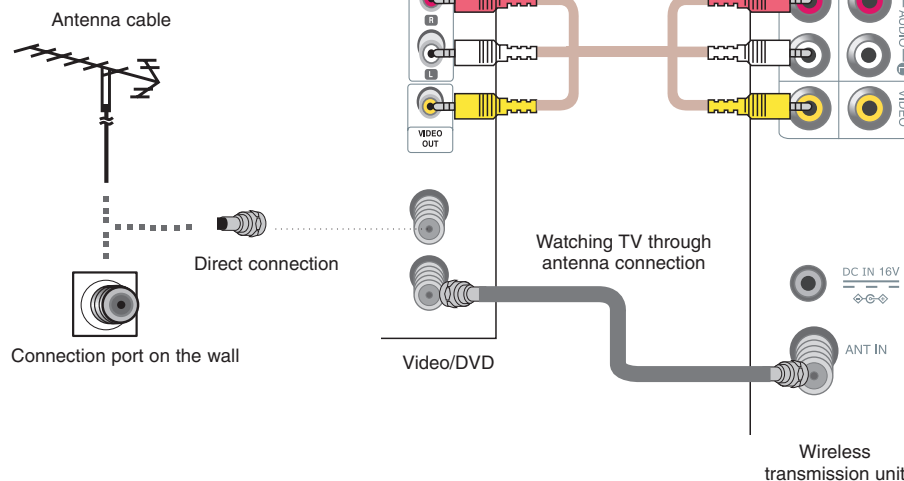


When connecting with external input

- 2 Press the **TV/AV** button on the remote control and select the External Input.



Insert a tape into the video player and press the **PLAY** button.



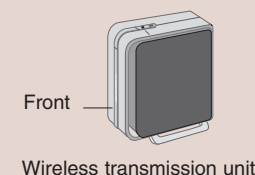
Necessary Connection Cables

- RCA cable
- S-Video cable
- Antenna cable (Not included)



Note

- You can also play back the video in TV channel #3 or #4. However, the selected channel number should be identical to channel switch selection at the rear side of the video.
- To return to the TV screen mode, press the **CH (+, -)** button, **SURF** or **FLASHBK** button in the external input mode.
- Do not attach the wireless transmission unit to the wall as much as possible.
- If you find a mosaic pattern on the screen or the screen is not displayed properly due to poor network connection, set the front side of the wireless transmission unit to face towards the wireless TV.



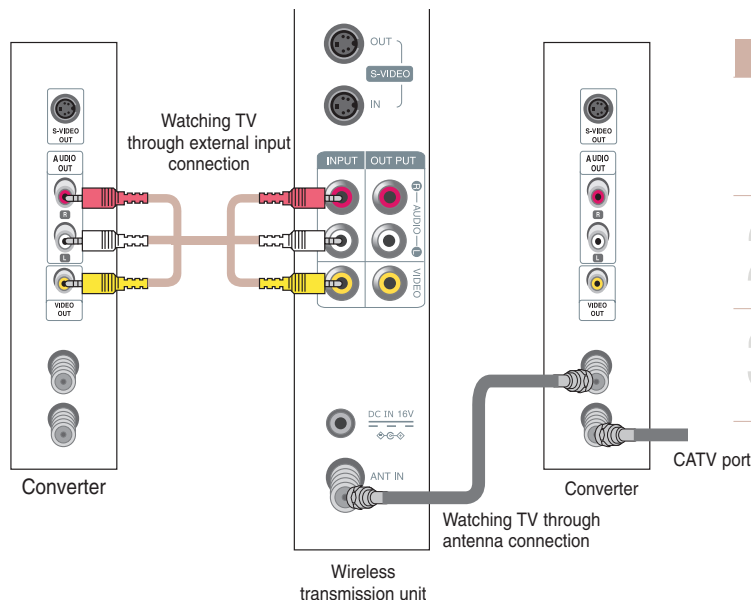
Watching Cable TV

- To watch the cable TV, you should subscribe to the local CATV broadcasting service provider and install the converter separately.

When connection with external input

How to use

- 1 Press the **TV/AV** button on the remote control and select the External Input. 
- 2 Select the channel you want using the converter remote control.



When connecting with the antenna

How to use

- 1 Set the exclusive channel selection switch of the converter to channel #3 or #4.
- 2 Set the TV channel number that is same as the one in the exclusive channel selection switch of the converter.
- 3 Select the channel you want using the converter remote control.

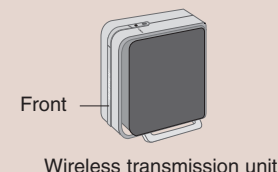
Necessary Connection Cables

- RCA cable
- S-Video cable
- Antenna cable (Not included)



Note

- Follow the instructions from the local CATV service provider for more details on the CATV connection usage.
- Do not attach the wireless transmission unit to the wall as much as possible.
- If you find a mosaic pattern on the screen or the screen is not displayed properly due to poor network connection, set the front side of the wireless transmission unit to face towards the wireless TV.

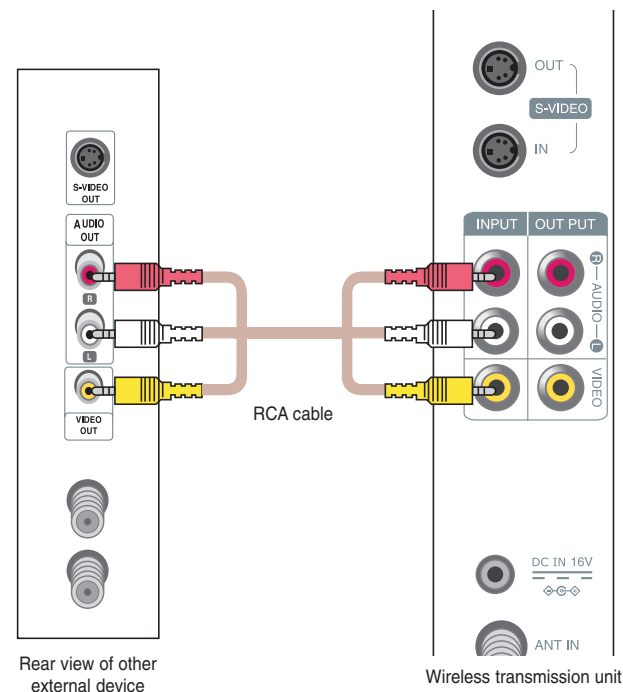


Using the External Devices like a Camcorder

- Connect the connection port with the same color when connecting the wireless transmission unit to the external device.

How to use

- 1 Turn on the wireless TV and press the **TV/AV** button and then, select the External Input. 
- 2 Start the external input device.

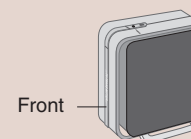


Necessary Connection Cables

■ RCA cable



- Do not attach the wireless transmission unit to the wall as much as possible.
- If you find a mosaic pattern on the screen or the screen is not displayed properly due to poor network connection, set the front side of the wireless transmission unit to face towards the wireless TV.
- Screen display delay can occur, depending on the network connections status.



Wireless transmission unit

Watching the Wireless TV

Watching the wireless TV

Press the  **POWER** button on the remote control to watch the wireless TV.



1 Channel display

2 Remaining battery amount display

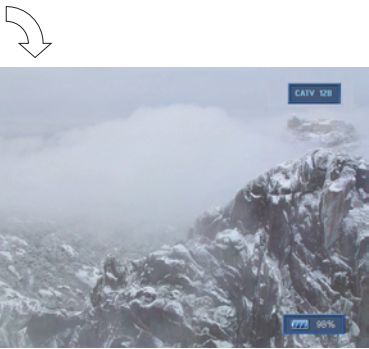
Press the  button on the remote control to display the remaining battery amount.

Watching the wireless TV in the Media Browser

- 1) Move to the Watching TV menu to watch TV in the Media Browser.
Move to the Watching TV menu using  and  buttons and press the  button.
- 2) Press the  **TV/MEDIA** button on the remote control to watch TV.



Media Browser Home screenshot.



TV screenshot

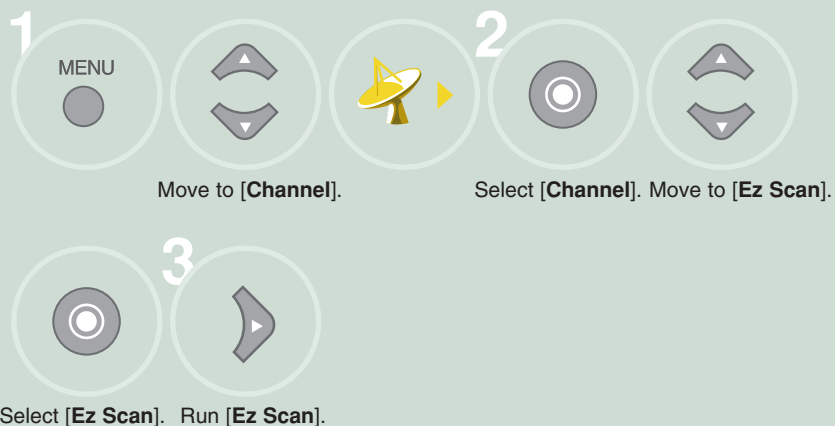
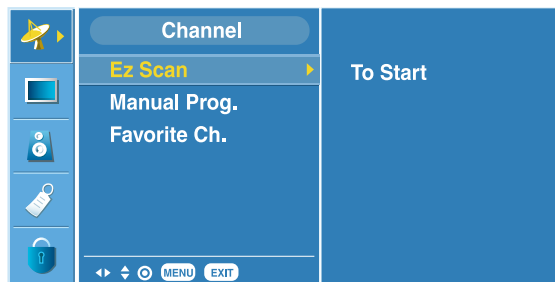


2 Remaining battery display

Image	Description
N/A	Battery is not inserted.
	Very low
	Approx. 20% left.
	Approx. 50% left.
	Approx. 80% left.
	Approx. 100%

Setting the Channel

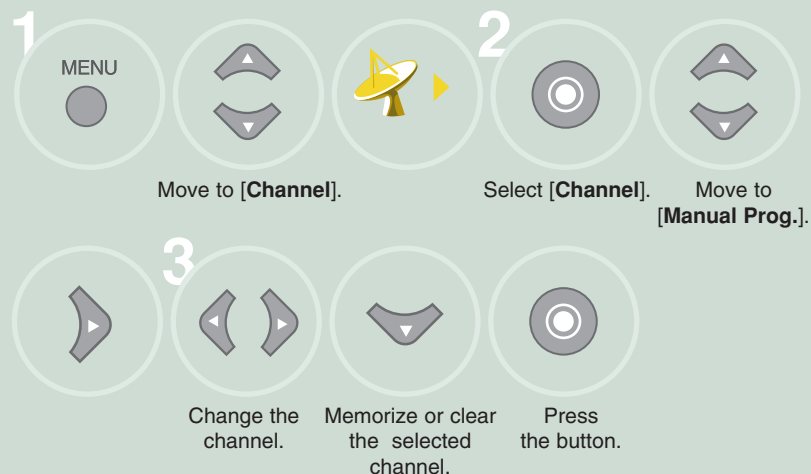
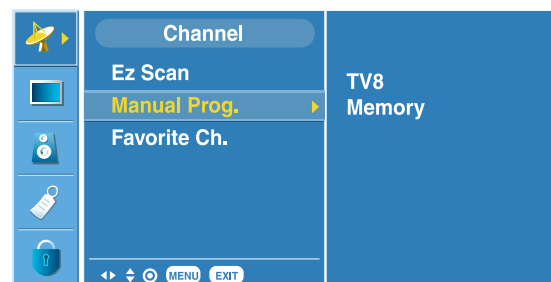
Memorizing all broadcasting channels



Memorize the channels when you move or the wireless transmission is moved.

- Scan the channel during the TV broadcasting service hours after connecting the antenna.
- When you run **[Ez Scan]**, all broadcasting station channel will be memorized regardless of its type – public TV or CATV.
- If the CATV channel is duplicated with the public TV, the CATV channel will be selected. Each time you press the number button (0 ~ 9) for channel selection, CATV-public channel selection will be toggled.
- Press the **Channel** or **Exit** button while running **[Ez Scan]** to stop channel setting. Then, the channel(s) scanned at that time point will be memorized.

Memorizing or clearing the specific channel

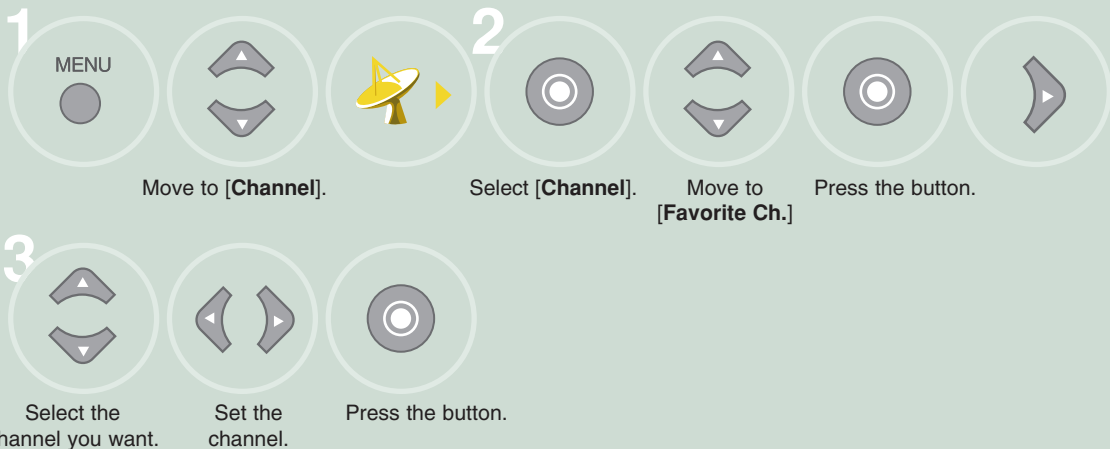
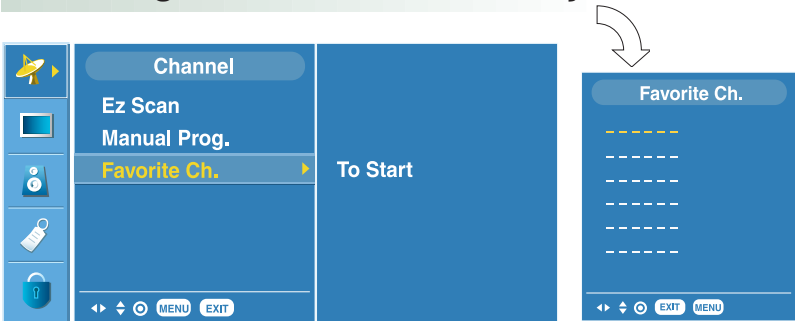


EXIT Press the **EXIT** button to hide the menu screen.

MENU Press the **MENU** button to move to the previous menu screen.

Setting the Channel

Watching the selected channel only.



Use the **Favorite Ch.** function to create your favorite channel list.

- You can set up to 6 channels that you prefer.
- If you add more than 6 channels, the previous channel will be automatically removed.

If you want to watch your favorite channels only, press the **SURF** button.

- Each time you press the button, the selected favorite channel will be displayed sequentially.

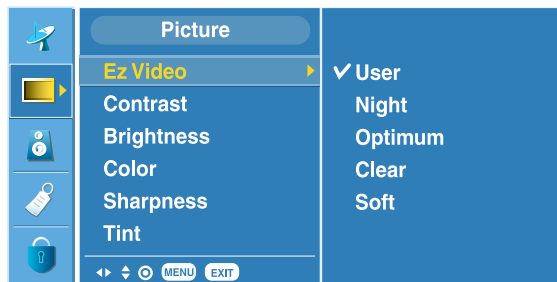
* Set other channels using the same method.

-  Press the **EXIT** button to hide the menu screen.
-  Press the **MENU** button to move to the previous menu screen.

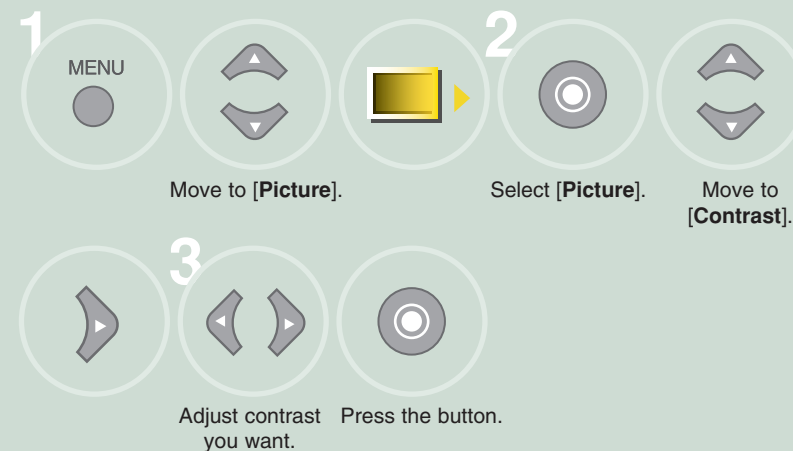
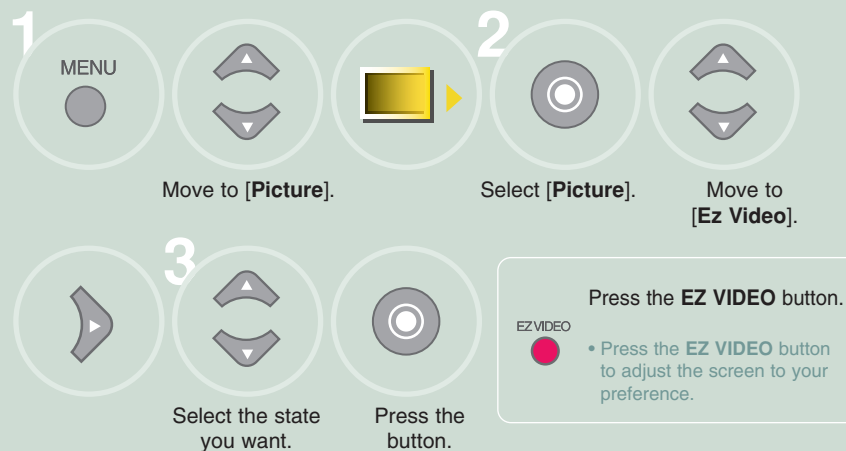
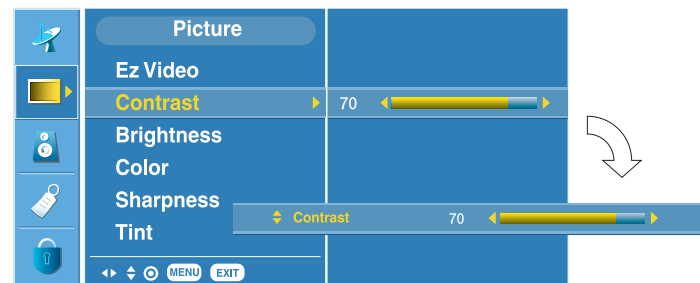
Adjusting the Picture

Adjusting the picture automatically

This function automatically adjusts the picture so that you can enjoy the optimal picture quality depending on the TV usage environment.



Adjusting contrast



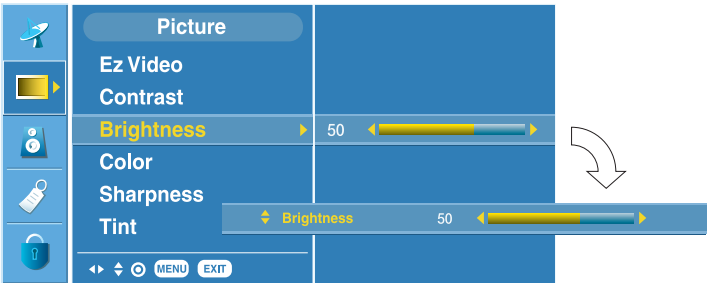
EXIT Press the **EXIT** button to hide the menu screen.

MENU Press the **MENU** button to move to the previous menu screen.

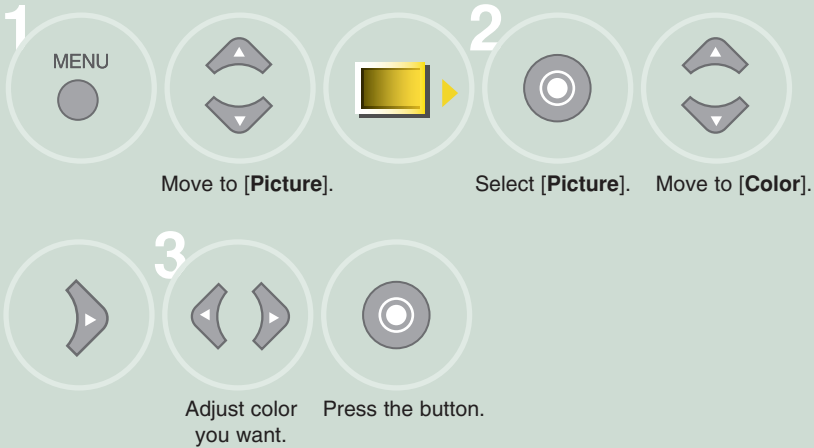
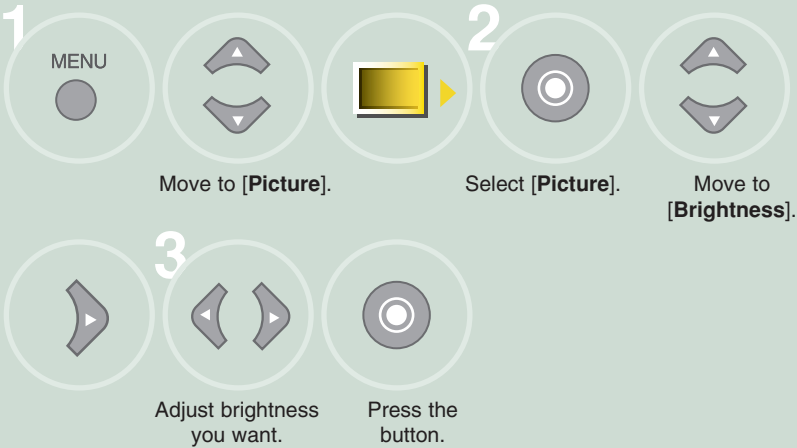
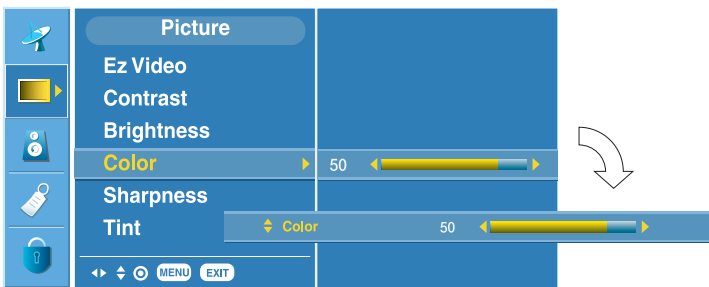
- **User**: Select this option to watch the TV with the picture setting that you or others have adjusted.
- **Night**: Suitable for dark area.
- **Optimum**: Most natural picture setting.
- **Clear**: Provides clear picture.
- **Soft**: Provides soft picture.

Adjusting the Picture

Adjusting brightness



Adjusting depth of color

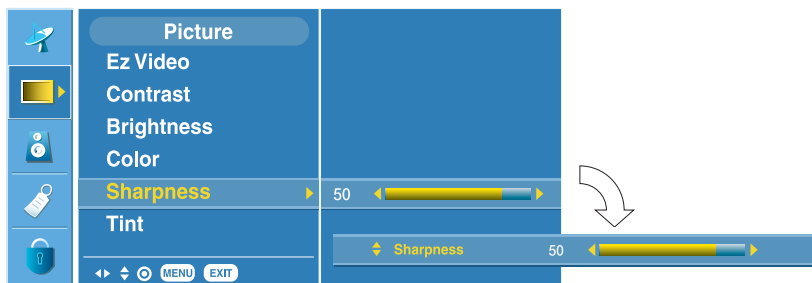


Press the **EXIT** button to hide the menu screen.

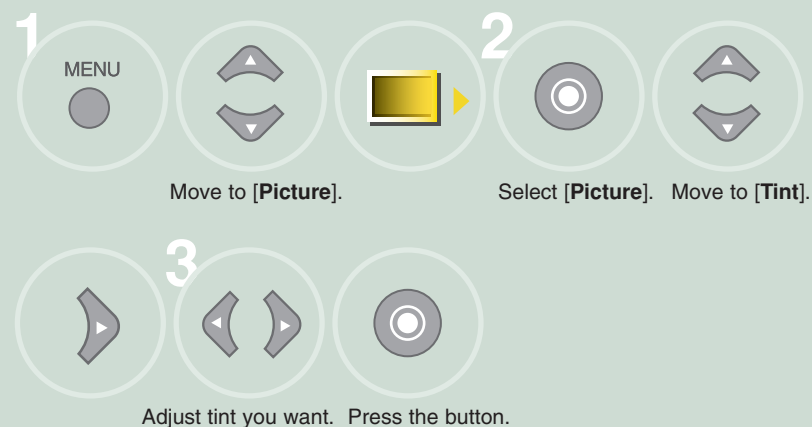
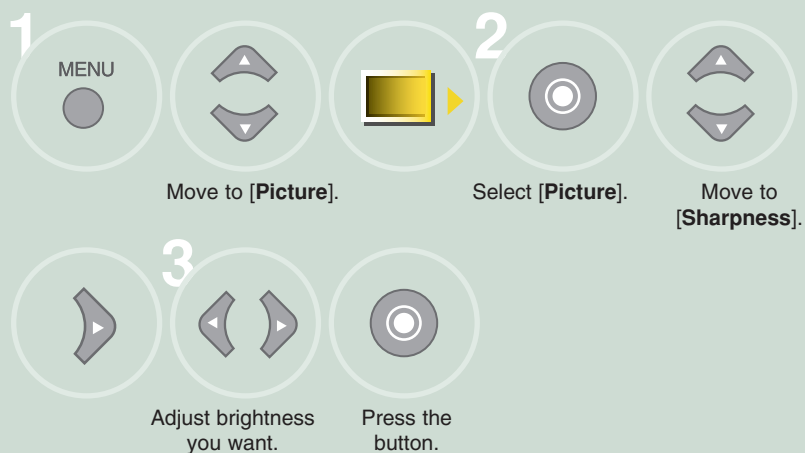
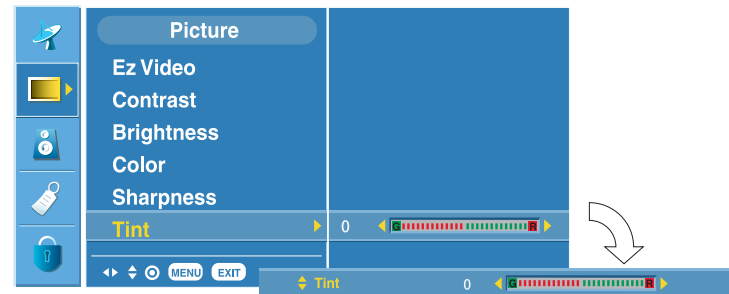
Press the **MENU** button to move to the previous menu screen.

Adjusting the Picture

Adjusting sharpness



Adjusting tint



Press the **EXIT** button to hide the menu screen.

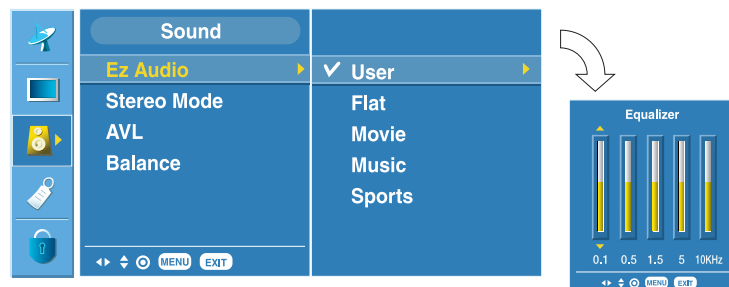


Press the **MENU** button to move to the previous menu screen.

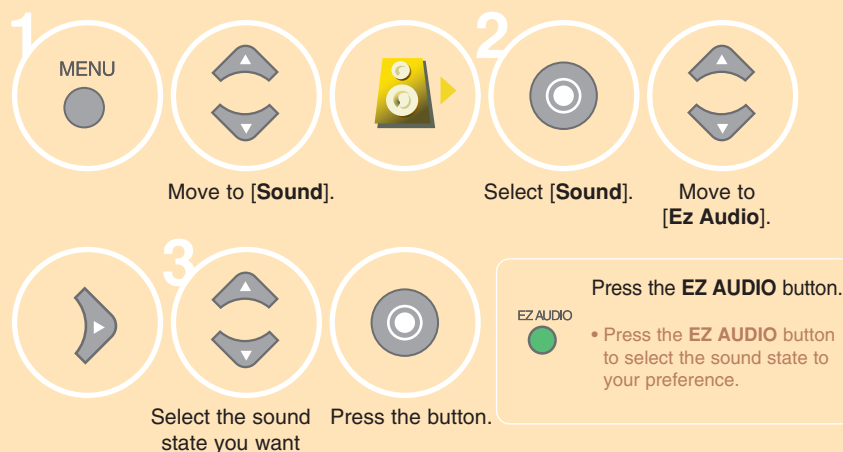
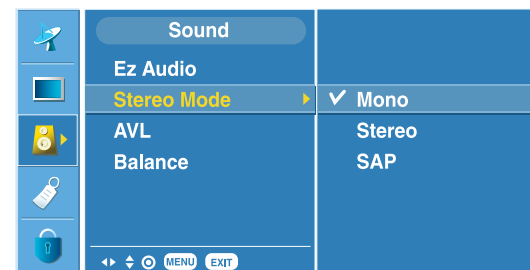
Adjusting Sound

Adjusting best sound automatically

This function automatically adjusts sound according to the type of the picture you're watching so that you can enjoy the best sound quality.



Using the SAP (Secondary Audio Program) function



- **User:** Select this option to use the user-defined sound settings.
- **Flat:** Most natural sound settings.
- **Movie:** You can enjoy the magnificent sound.
- **Music:** You can enjoy the live original sound without change.
- **Sports:** Select this option when watching the sports program.

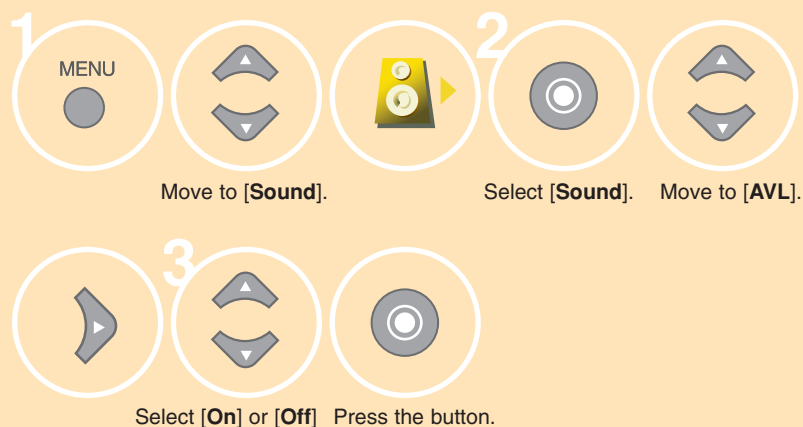
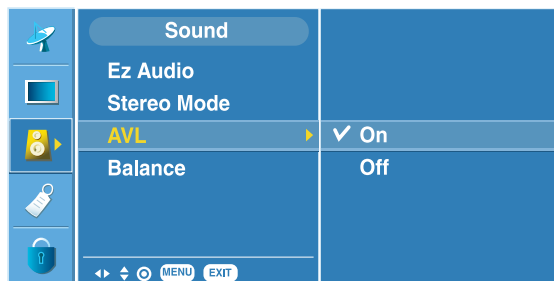


- The TV can receive MTS stereo programs and any SAP (Secondary Audio Program) that accompanies the stereo program, if the broadcaster transmits an additional sound signal as well as the original one.
- **Mono:** The primary language is heard from left and right speakers. Signal mode is mono.
- **Stereo:** The primary language is heard from left and right speakers. Signal mode is stereo.
- **SAP:** The secondary audio program is heard from left and right speakers.

Adjusting Sound

Adjusting the volume automatically

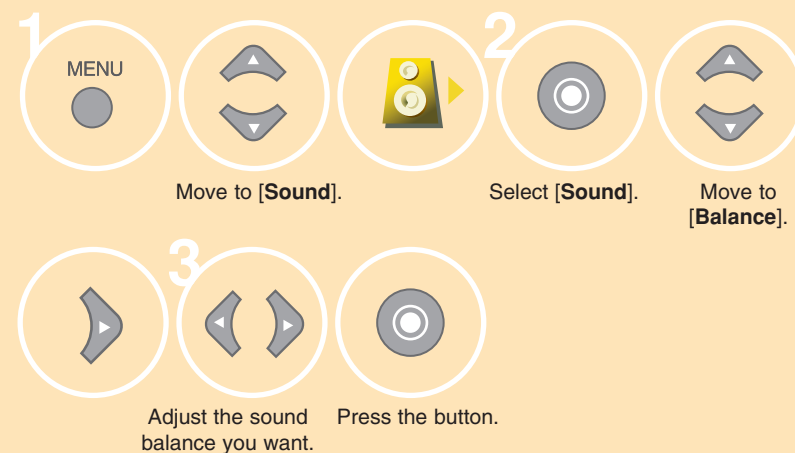
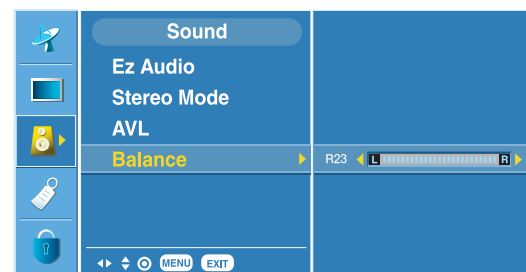
If you select this option, TV will automatically adjust the volume.



- TV will automatically set the proper volume level for each broadcasting service provider so that you can easily watch the TV program whenever you change the channel.

Adjusting sound balance.

Adjust the sound balance you want.

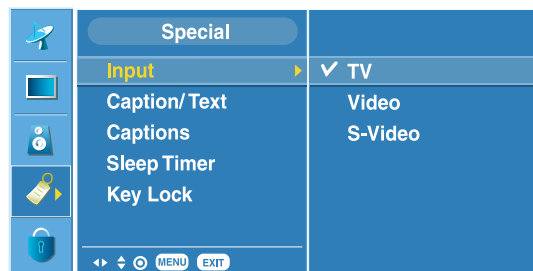


- EXIT Press the **EXIT** button to hide the menu screen.

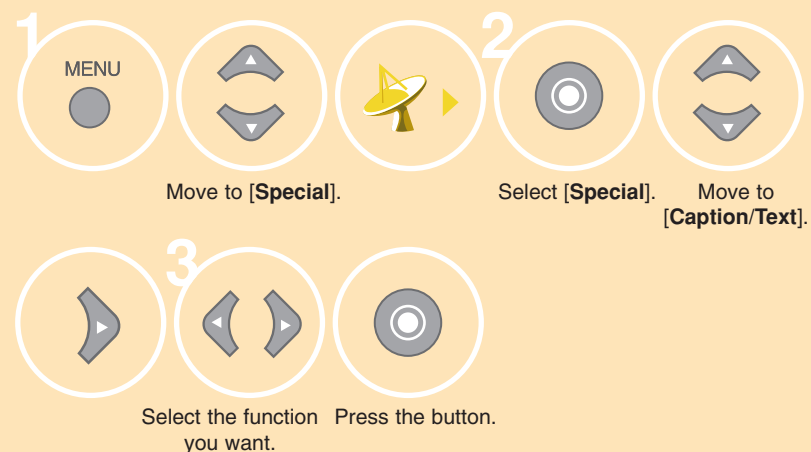
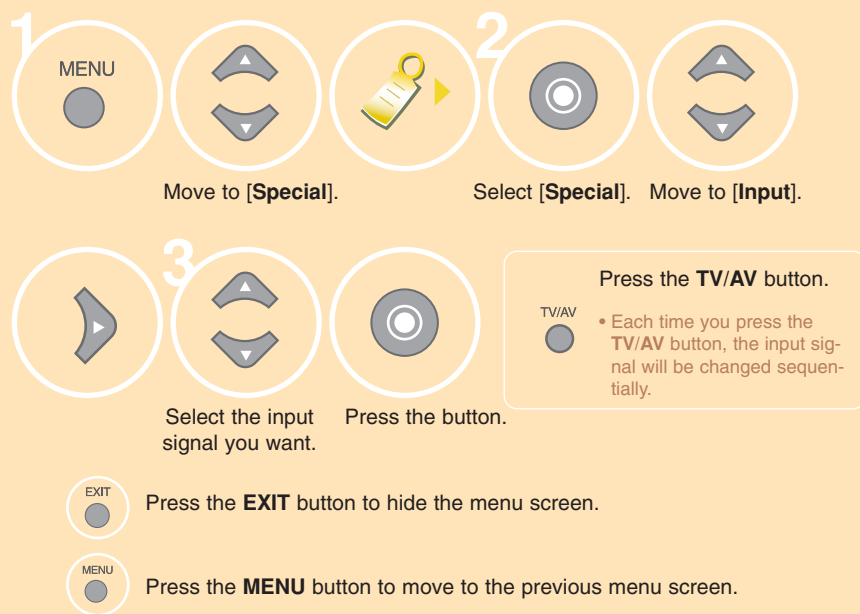
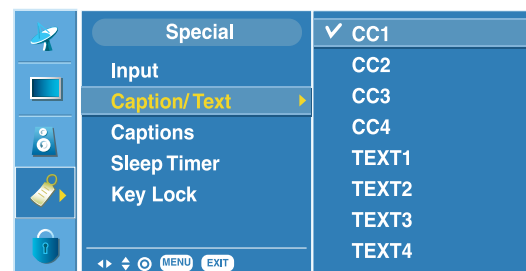
- MENU Press the **MENU** button to move to the previous menu screen.

Setting the Special

Selecting the Input Signal



Watching the Program with Caption Text



• CAPTION

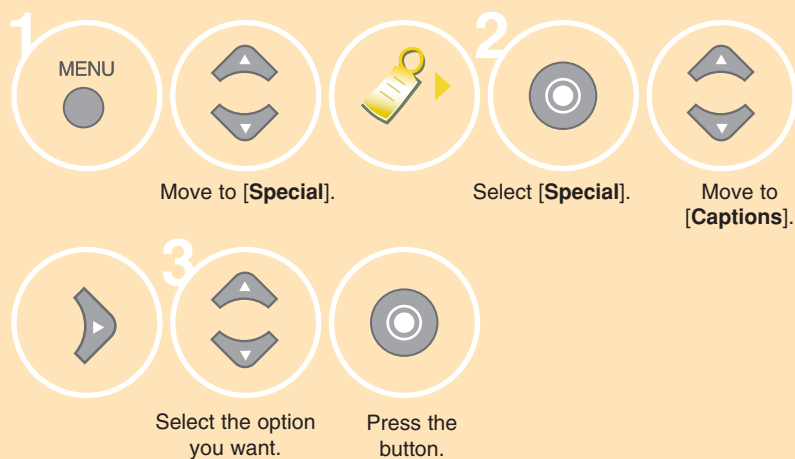
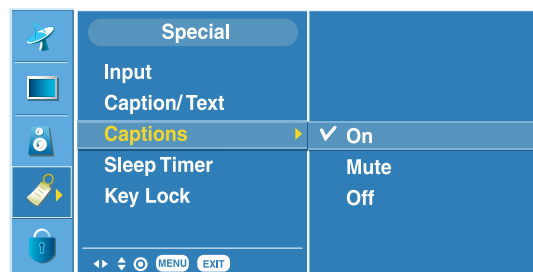
The term for the words that scroll across the bottom of the TV screen; usually the audio portion of the program provided for the hearing impaired.

• TEXT

The term for the words that appear in a large black frame and almost cover the entire screen; usually messages provided by the broadcaster.

Setting the Special

Setting the Captions



- Mute shows the selected captions option (if available on program) when the TV sound is muted.



Press the **CC** button

- Use the **CC** button repeatedly to select Caption Off, Mute or On.



Press the **EXIT** button to hide the menu screen.



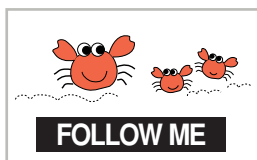
Press the **MENU** button to move to the previous menu screen.

Special Menu Options

Closed Captions

Closed captioning is a process which converts the audio portion of a television program into written words which then appear as sub-titles on the television screen. Closed captions allow viewers to read the dialogue and narration of television programs.

Using Closed Captions



Captions are the subtitles of the dialogue and narration of television programs. For prerecorded programs, program dialogue can be arranged into captions in advance. It's possible to caption a live program by using a process called real-time captioning, which creates captions instantly.

Real-time captioning is normally done by professional reporters using a machine shorthand system and computer for translation into English. Captioning is an effective system for the hearing-impaired, and it can also aid in teaching language skills.

- The picture above shows a typical caption.

Caption Tips

- Not all TV broadcasts include closed caption signals.
- Sometimes TV stations broadcast four different caption signals on the same channel. By selecting From CC 1 to CC 4, you can choose which signal you view. CC 1 is usually the signal with the captions, while Another mode might show demonstration or programming information.
- Your TV might not receive caption signals normally in the following situations.

1. Poor reception conditions are encountered:



- **IGNITION:**
Picture may flutter, drift, suffer from black spots, or horizontal streaking. Usually caused by interference from automobile ignition systems, neon lamps, electrical drills, and other electrical appliances.



- **GHOSTS:**
Ghosts are caused when the TV signal splits and follows two paths. One is the direct path and the other is reflected off tall buildings, hills or other objects. Changing the direction or position of the antenna may improve reception.



- **SNOW:**
If your receiver is located at the weak, fringe area of a TV signal, your picture may be marred by small dots. It may be necessary to install a special antenna to improve the picture.

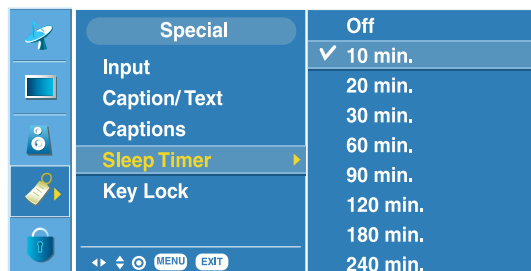
2. An old, bad, or illegally recorded tape is being played.
3. Strong, random signals from a car or airplane interfere with the TV signal.
4. The signal from the antenna is weak.
5. The program wasn't captioned when it was produced, transmitted, or taped.

Setting the Special

Menu can be different according to the selected input signal.

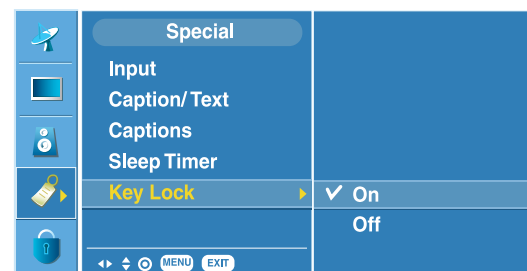
Setting the sleep timer

The TV will be automatically turned off after the setting period of time.

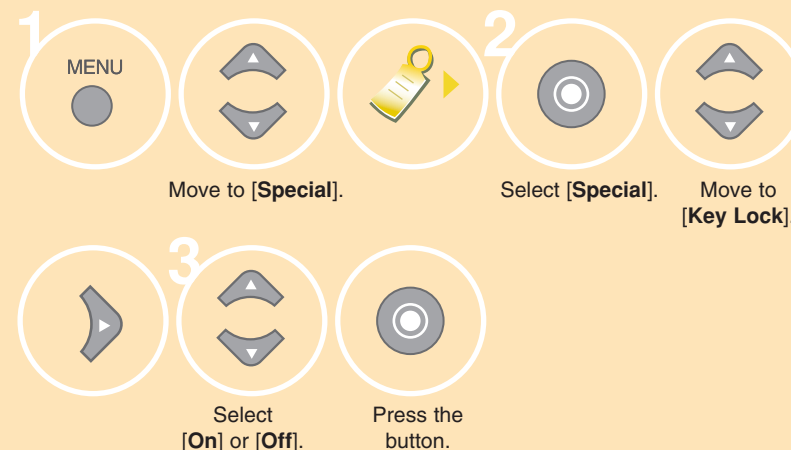


Setting the key lock

If you select this function, key input will be disabled, which is designed to prevent wrong key input by the children.



- If you don't press the **SLEEP** button and wait for a while when the Sleep Timer is displayed on the screen, the Sleep Timer display will disappear and the sleep reservation time will be set.
- To check the remaining sleep reservation time after setting the Sleep Timer, press the **SLEEP** button once only.
- If you turn off the TV after setting the Sleep Timer, it will be cleared. You need to set the Sleep Timer again.
- This function will be disabled in the Media Browser.

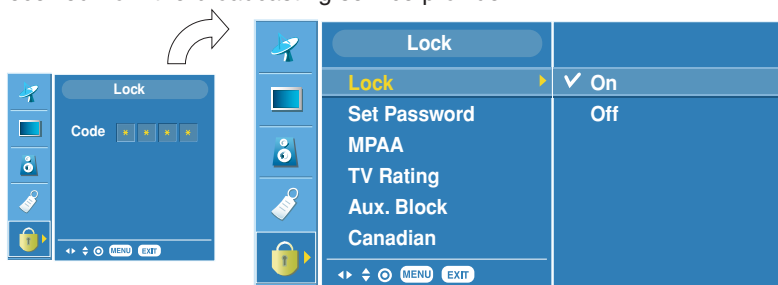


- EXIT Press the **EXIT** button to hide the menu screen.
- MENU Press the **MENU** button to move to the previous menu screen.

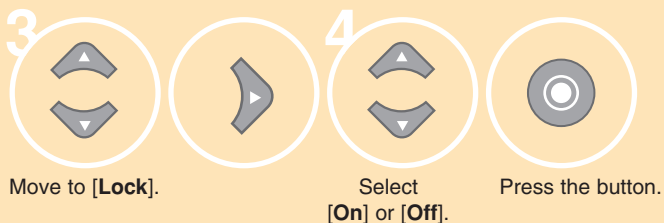
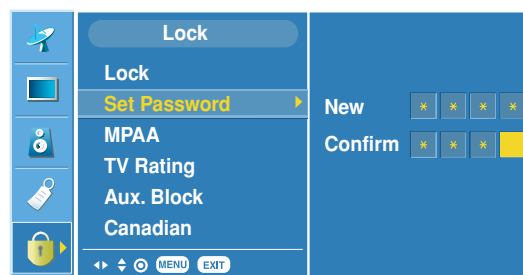
Setting the Lock

Setting the lock function

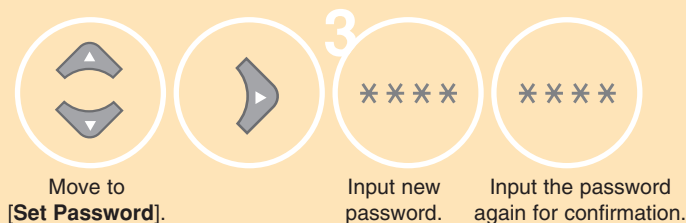
You can set the locking status for the program audience ratings received from the broadcasting service provider.



Changing the password setting



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



- **MPAA**: Select the ratings defined by the Motion Picture Association of America.
- **TV Rating**
 - **Age Block**: Select the age rating.
 - **Content Block**: Select the content rating
- **Aux. Block**: Set locking on the input source of the external devices connected to the TV set.
- **Canadian**: Select the ratings defined by the Canadian rating regulation.

Lock 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)
- 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, R, NC-17 and X will be blocked.

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 up)

Content Categories:

- Dialog - sexual dialogue (applies to TV-PG and Above, TV-14)
- Language - adult language (applies to TV-PG and Above, TV-14 and Above, TV-MA)
- Sex scenes - sexual situations (applies to TV-PG and Above, TV-14 and Above, TV-MA)
- Violence (applies to TV-PG and Above, TV-14 and Above, TV-MA)
- F Violence - fantasy violence (applies only to TV-Y7)
- No Rating (blocks all viewing)

For Canadian English/French language rating system:

Canadian English language rating system:

- C & Above (Children)
- C8+ (8 years and older)
- G & Above (General programming. Suitable for all audiences.)
- PG & Above (Parental guidance suggested)
- 14+ (Viewer 14 years and older)
- 18+ (Adult programming)

Canadian French language rating system:

- G & Above (General)
- 8 ans+ (8 years and older)
- 13 ans+ (13 years and older)
- 16 ans+ (16 years and older)
- 18 ans+ (Adults only)