



OWNER'S MANUAL

LED TV*

*LG LED TV applies LCD screen with LED backlights.

Please read this manual carefully before operating your TV and retain it for future reference.

32LY340C
42LY340C
47LY340C
55LY340C

SAFETY INSTRUCTIONS

Please read these safety precautions carefully before using the product.

! WARNING



- Do not place the TV and/or remote control in the following environments:
 - A location exposed to direct sunlight
 - An area with high humidity such as a bathroom
 - Near any heat source such as stoves and other devices that produce heat
 - Near kitchen counters or humidifiers where they can easily be exposed to steam or oil
 - An area exposed to rain or wind
 - Near containers of water such as vases
- Otherwise, this may result in fire, electric shock, malfunction or product deformation.



- Do not place the product where it might be exposed to dust. This may cause a fire hazard.



- Mains Plug is the TV connecting/disconnecting device to AC mains electric supply. This plug must remain readily attached and operable when TV is in use.



- Do not touch the power plug with wet hands. Additionally, if the cord pin is wet or covered with dust, dry the power plug completely or wipe dust off. You may be electrocuted due to excess moisture.



- Make sure to connect Mains cable to compliant AC mains socket with Grounded earth pin. (Except for devices which are not grounded on earth.) Otherwise possibility you may be electrocuted or injured.



- Insert power cable plug completely into wall socket otherwise if not secured completely into socket, fire ignition may break out.



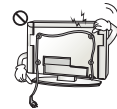
- Ensure the power cord does not come into contact with hot objects such as a heater. This may cause a fire or an electric shock hazard.



- Do not place a heavy object, or the product itself, on power cables. Otherwise, this may result in fire or electric shock.



- Bend antenna cable between inside and outside building to prevent rain from flowing in. This may cause water damaged inside the Product and could give an electric shock.



- When mounting TV onto wall make sure to neatly install and isolate cabling from rear of TV as to not create possibility of electric shock / fire hazard.



- Do not plug too many electrical devices into a single multiple electrical outlet. Otherwise, this may result in fire due to over-heating.



- Do not drop the product or let it fall over when connecting external devices. Otherwise, this may result in injury or damage to the product.



- Keep the anti-moisture packing material or vinyl packing out of the reach of children. Anti-moisture material is harmful if swallowed. If swallowed by mistake, force the patient to vomit and visit the nearest hospital. Additionally, vinyl packing can cause suffocation. Keep it out of the reach of children.



- Do not let your children climb or cling onto the TV. Otherwise, the TV may fall over, which may cause serious injury.



- Dispose of used batteries carefully to ensure that a small child does not consume them. Please seek Doctor-Medical Attention immediately if child consumes batteries.



- Do not insert any metal objects/ conductors (like a metal chopstick/ cutlery/ screwdriver) between power cable plug and input Wall Socket while it is connected to the input terminal on the wall. Additionally, do not touch the power cable right after plugging into the wall input terminal. You may be electrocuted. (Depending on model)



- Do not put or store inflammable substances near the product. There is a danger of combustion/explosion or fire due to careless handling of the inflammable substances.



- Do not drop metallic objects such as coins, hair pins, chopsticks or wire into the product, or inflammable objects such as paper and matches. Children must pay particular attention. Electrical shock, fire or injury can occur. If a foreign object is dropped into the product, unplug the power cord and contact the service centre.



- Do not spray water on the product or scrub with an inflammable substance (thinner or benzene). Fire or electric shock accident can occur.



- Do not allow any impact, shock or any objects to fall into the unit, and do not drop anything onto the screen. You may be injured or the product can be damaged.



- Never touch this product or antenna during a thunder or lighting storm. You may be electrocuted.



- Never touch the wall outlet when there is leakage of gas, open the windows and ventilate. It may cause a fire or a burn by a spark.



- Do not disassemble, repair or modify the product at your own discretion. Fire or electric shock accident can occur. Contact the service centre for check, calibration or repair.



- If any of the following occur, unplug the product immediately and contact your local service centre.
 - The product has been impacted by shock
 - The product has been damaged
 - Foreign objects have entered the product
 - The product produced smoke or a strange smell
 This may result in fire or electric shock.



- Unplug the TV from AC mains wall socket if you do not intend to use the TV for a long period of time. Accumulated dust can cause fire hazard and insulation deterioration can cause electric leakage/shock/fire.



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



CAUTION



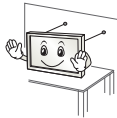
- Install the product where no radio wave occurs.



- There should be enough distance between an outside antenna and power lines to keep the former from touching the latter even when the antenna falls. This may cause an electric shock.



- Do not install the product on places such as unstable shelves or inclined surfaces. Also avoid places where there is vibration or where the product cannot be fully supported. Otherwise, the product may fall or flip over, which may cause injury or damage to the product.



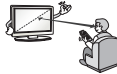
- If you install the TV on a stand, you need to take actions to prevent the product from overturning. Otherwise, the product may fall over, which may cause injury.

- If you intend to mount the product to a wall, attach VESA standard mounting interface (optional parts) to the back of the product. When you install the set to use the wall mounting bracket (optional parts), fix it carefully so as not to drop.

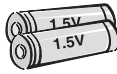
- Only use the attachments / accessories specified by the manufacturer.



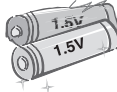
- When installing the antenna, consult a qualified service man. This may create a fire hazard or an electric shock hazard.



- We recommend that you maintain a distance of at least 2 to 7 times the diagonal screen size when watching TV. If you watch TV for a long period of time, this may cause blurred vision.



- Only use the specified type of battery. This could cause damage to the remote control.



- Do not mix new batteries with old batteries. This may cause the batteries to overheat and leak.



- Make sure there are no objects between the remote control and its sensor.



- Signal from Remote Control can be interrupted due to external/internal lighting eg Sunlight, fluorescent lighting. If this occurs turn off lighting or darken viewing area.



- When connecting external devices such as video game consoles, make sure the connecting cables are long enough. Otherwise, the product may fall over, which may cause injury or damage the product.



- Do not turn the product On/Off by plugging-in or unplugging the power plug to the wall outlet. (Do not use the power plug for switch.) It may cause mechanical failure or could give an electric shock.



- Please follow the installation instructions below to prevent the product from overheating.
 - The distance between the product and the wall should be more than 10 cm.
 - Do not install the product in a place with no ventilation (e.g., on a bookshelf or in a cupboard).
 - Do not install the product on a carpet or cushion.
 - Make sure the air vent is not blocked by a tablecloth or curtain. Otherwise, this may result in fire.

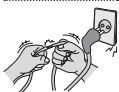


- Take care not to touch the ventilation openings when watching the TV for long periods as the ventilation openings may become hot. This does not affect the operation or performance of the product.

- 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.



- Prevent dust collecting on the power plug pins or outlet. This may cause a fire hazard.



- 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.



- Do not press strongly upon the panel with a hand or sharp object such as nail, pencil or pen, or make a scratch on it, as it may cause damage to screen.



- Avoid touching the screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary or permanent distortion/damage to screen.



- When cleaning the product and its components, unplug the power first and wipe it with a soft cloth. Applying excessive force may cause scratches or discolouration. Do not spray with water or wipe with a wet cloth. Never use glass cleaner, car or industrial shiner, abrasives or wax, benzene, alcohol etc., which can damage the product and its panel. Otherwise, this may result in fire, electric shock or product damage (deformation, corrosion or breakage).

- As long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power source even if you turn off this unit by SWITCH.



- When unplugging the cable, grab the plug and unplug it, by pulling at the plug. Don't pull at the cord to unplug the power cord from the power board, as this could be hazardous.



- When moving the product, make sure you turn the power off first. Then, unplug the power cables, antenna cables and all connecting cables. The TV set or power cord may be damaged, which may create a fire hazard or cause electric shock.



- When moving or unpacking the product, work in pairs because the product is heavy. Otherwise, this may result in injury.



- Contact the service centre once a year to clean the internal parts of the product. Accumulated dust can cause mechanical failure.



- 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.



- If the product feels cold to the touch, there may be a small "flicker" when it is turned on. This is normal, there is nothing wrong with product.



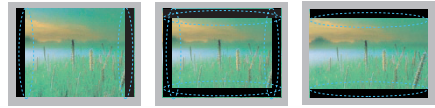
- The panel is a high technology display product with resolution of two million to six million pixels. You may see tiny black dots and/or brightly coloured dots (red, blue or green) at a size of 1 ppm on the panel. This does not indicate a malfunction and does not affect the performance and reliability of the product. This phenomenon also occurs in third-party products and is not subject to exchange or refund.



- You may find different brightness and colour of the panel depending on your viewing position(left/right/top/down). This phenomenon occurs due to the characteristic of the panel. It is not related with the product performance, and it is not malfunction.



- Do not install this product on a wall if it could be exposed to oil or oil mist. This may damage the product and cause it to fall.



- Displaying a still image (e.g., broadcasting channel logo, on-screen menu, scene from a video game) for a prolonged time may cause damage to the screen, resulting in retention of the image, which is known as image sticking. The warranty does not cover the product for image sticking. Avoid displaying a fixed image on your television's screen for a prolonged period. Also, if you watch the TV at a ratio of 4:3 for a long time, image sticking may occur on the borders of the panel. This phenomenon also occurs in third-party products and is not subject to exchange or refund.

• Generated Sound

"Cracking" noise: A cracking noise that occurs when watching or turning off the TV is generated by plastic thermal contraction due to temperature and humidity. This noise is common for products where thermal deformation is required. Electrical circuit humming/panel buzzing: A low level noise is generated from a high-speed switching circuit, which supplies a large amount of current to operate a product. It varies depending on the product. This generated sound does not affect the performance and reliability of the product.

⚠ WARNING

If you ignore the warning message, you may be seriously injured or there is a possibility of accident or death.

⚠ CAUTION

If you ignore the caution message, you may be slightly injured or the product may be damaged.

❗ NOTE

The note helps you understand and use the product safely. Please read the note carefully before using the product.

LICENSES

Supported licenses may differ by model. For more information about licenses, visit www.lg.com.



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7,295,673; 7,460,668; 7,515,710; 7,519,274

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LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping and handling) upon email request to opensource@lge.com. This offer is valid for three (3) years from the date on which you purchased the product.

NOTE

- Image shown may differ from your TV.
- Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
- The available menus and options may differ from the input source or product model that you are using.
- New features may be added to this TV in the future.

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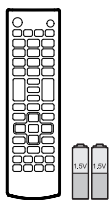
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ASSEMBLING AND PREPARING

Unpacking

Check your product box for the following items. If there are any missing accessories, contact the local dealer where you purchased your product. The illustrations in this manual may differ from the actual product and item.



**Remote Control,
Batteries (AAA)**

(Depending on model)

(For 42/47/55LY340C)

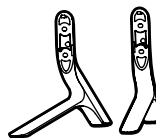


Owner's Manual

(For 32LY340C)



Power Cord



Stand Base

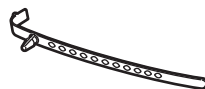


Stand Screws
4 EA, M4 x L14

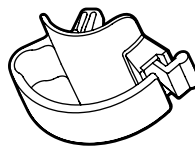
(For 42LY340C)



Stand Screws
4 EA, M4 x L20



Cable Holder
1 EA



Stand Holder
2 EA



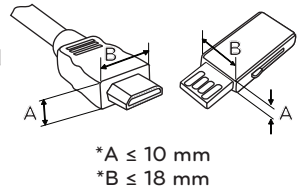
Wall Mount Spacers
2 EA

CAUTION

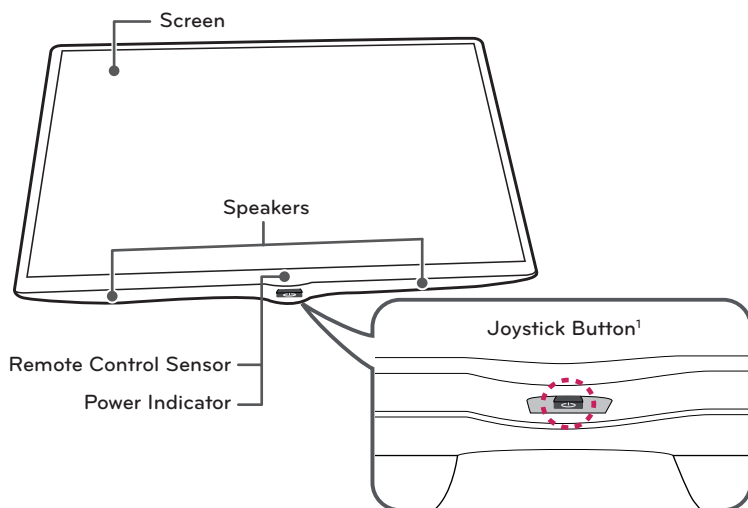
- Do not use any unapproved items to ensure the safety and product's lifespan.
- Any damages or injuries by using unapproved items are not covered by the warranty.
- Some models appear to have a thin film on the screen. It is actually part of the screen; do not remove it.

NOTE

- The items supplied with your product may vary depending on the model.
- Product specifications or contents of this manual may be changed without prior notice due to upgrade of product functions.
- For an optimal connection, HDMI cables and USB devices should have bezels less than 10 mm (0.39 inches) thick and 18 mm (0.7 inches) width.
- Use an extension cable that supports USB 2.0 if the USB cable or USB memory stick does not fit into your TV's USB port.



Parts and Buttons



1. Joystick button is located below the screen of TV.



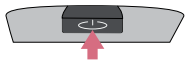
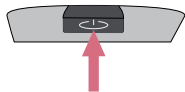
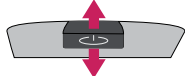
NOTE

- You can set the power indicator light to on or off by selecting OPTION in the main menus.

Using the Joystick Button

You can simply operate the TV functions, pressing or moving the joystick button up, down, left or right

Basic functions

	Power On	When the TV is turned off, place your finger on the joystick button and press it once and release it.
	Power Off	When the TV is turned on, place your finger on the joystick button and press it once for a few seconds and release it. (However, if the Menu button is on the screen, pressing and holding the joystick button will let you exit the Menu.)
	Volume Control	If you place your finger over the joystick button and move it left or right, you can adjust the volume level you want.
	Channels Control	If you place your finger over the joystick button and move it up or down, you can scrolls through the saved channels you want.

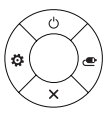
! NOTE

- With your finger over the joystick button, move it up, down, left or right, be careful not to press the joystick button. If you press the joystick button first, you can not adjust the volume level and/or scroll through saved channels.

Adjusting the menu

When the TV is turned on, press the joystick button one time.

You can adjust the Menu items (⏻, ⚙️, 📺, ✖️) moving the joystick button up, down, left or right.

		TV Off	Turn the power off.
		Settings	Accesses the main menu.
		Input List	Changes the input source.
		Close	Clears on-screen displays and returns to TV viewing.

Lifting and Moving the TV

When moving or lifting the TV, read the following to prevent the TV from being scratched or damaged and for safe transportation regardless of its type and size.

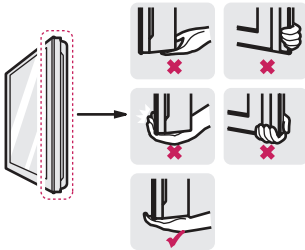
CAUTION

- Avoid touching the screen at all times, as this may result in damage to the screen.
- Do not place the product on the floor with its front facing down without padding. Failure to do so may result in damage to the screen.
- It is recommended to move the TV in the box or packing material that the TV originally came in.
- Before moving or lifting the TV, disconnect the power cord and all cables.

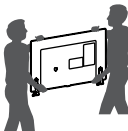
- When holding the TV, the screen should face away from you to avoid damage.



- Hold the top and bottom of the TV frame firmly. Make sure not to hold the transparent part, speaker, or speaker grill area.



- Use at least two people to move a large TV.
- When transporting the TV by hand, hold the TV as shown in the following illustration.
- When transporting the TV, do not expose the TV to jolts or excessive vibration.
- When transporting the TV, keep the TV upright; never turn the TV on its side or tilt towards the left or right.

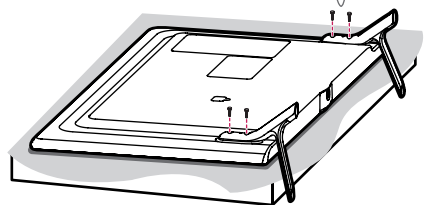
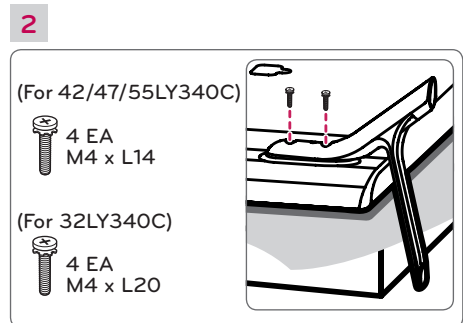
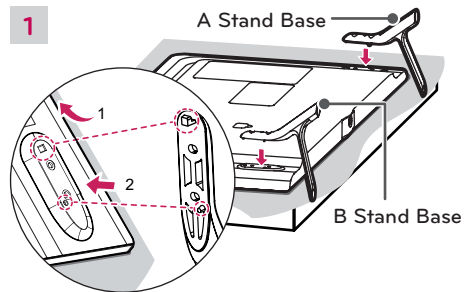


Setting up the TV

Attaching the Stand

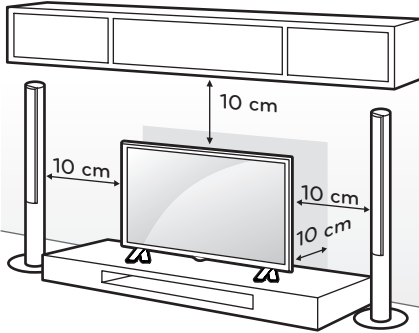
CAUTION

- When attaching the stand to the TV set, place the screen facing down on a cushioned table or flat surface to protect the screen from scratches.



Mounting on a Table

- 1 Lift and tilt the TV into its upright position on a table.
 - Leave a 10 cm (minimum) space from the wall for proper ventilation.



- 2 Connect the power cord to a wall outlet.

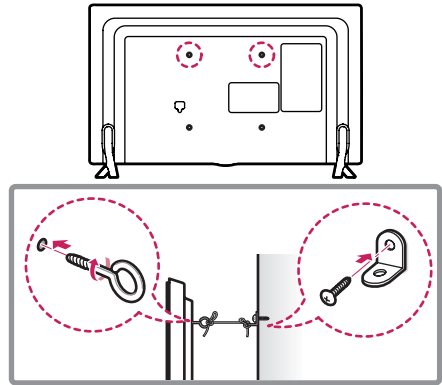


CAUTION

- Do not place the TV near or on sources of heat, as this may result in fire or other damage.

Securing the TV to a wall (optional)

(Depending on model)



- 1 Insert and tighten the eye-bolts, or TV brackets and bolts on the back of the TV.
 - If there are bolts inserted at the eye-bolts position, remove the bolts first.
- 2 Mount the wall brackets with the bolts to the wall. Match the location of the wall bracket and the eye-bolts on the rear of the TV.
- 3 Connect the eye-bolts and wall brackets tightly with a sturdy rope or cable. Make sure to keep the rope parallel to the flat surface.



CAUTION

- Make sure that children do not climb on or hang on the TV.



NOTE

- Use a platform or cabinet that is strong and large enough to support the TV securely.
- Brackets, bolts, and ropes, are optional. You can obtain additional accessories from your local dealer.

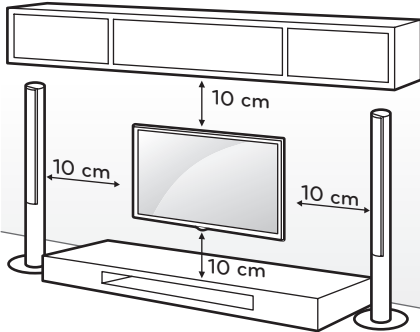
Mounting on a Wall

An optional wall mount can be used with your LG Television. Consult with your local dealer for a wall mount that supports the VESA standard used by your TV model. Carefully attach the wall mount bracket at the rear of the TV.

Install the wall mount bracket on a solid wall perpendicular to the floor. If you are attaching the TV to other building materials, please contact qualified personnel to install the wall mount. Detailed instructions will be included with the wall mount.

We recommend the use of LG's wall mount bracket.

When you do not use LG's wall mount bracket, please use wall mount bracket which the distance to the wall is adequately secured for seamless connectivity to external devices.



Make sure to use screws and wall mounts that meet the VESA standard. Standard dimensions for the wall mount kits are described in the following table.

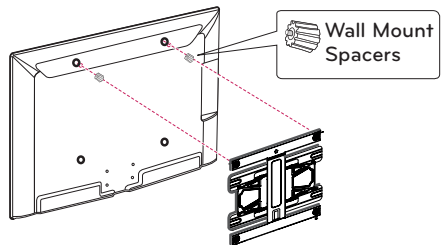
Model	32LY340C	42/47/55LY340C
VESA (A x B)	200 x 200	400 x 400
		
Standard screw	M6	M6
Number of screws	4	4
Wall mount bracket (optional)	LSW240B MSW240	LSW440B MSW240

CAUTION

- Disconnect the power before moving or installing the TV. Otherwise electric shock may occur.
- If you install the TV on a ceiling or slanted wall, it may fall and result in severe injury. Use an authorized LG wall mount and contact the local dealer or qualified personnel. When using a third-party wall mount, it is not covered by the warranty.
- Do not over tighten the screws as this may cause damage to the TV and void your warranty.
- Use the screws and wall mounts that meet the VESA standard. Any damages or injuries by misuse or using an improper accessory are not covered by the warranty.

NOTE

- Use the screws that are listed in the VESA standard screw specifications.
- The wall mount kit includes an installation manual and necessary parts.
- The wall mount bracket is optional. You can obtain additional accessories from your local dealer.
- The length of screws may differ depending upon the wall mount. Make sure to use the proper length.
- For more information, refer to the manual supplied with the wall mount.
- When attaching a wall mounting bracket to the TV, insert the wall mount inner spacers into the TV wall mount holes to adjust the vertical angle of the TV. (For 42LY340C)



MAKING CONNECTIONS

- Image shown may differ from your TV.

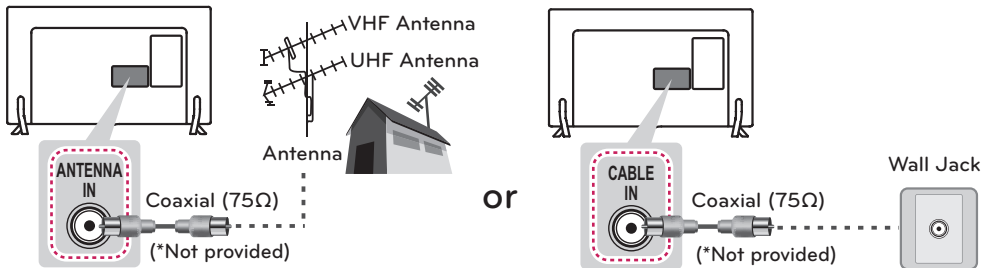
You can connect various external devices to the TV. Supported external devices are: HD receivers, DVD players, VCRs, audio systems, USB storage devices, PC, gaming devices, and other external devices. For more information on external device's connection, refer to the manual provided with each device.

NOTE

- If you record a TV program on a DVD recorder or VCR, make sure to connect the TV signal input cable to the TV through a DVD recorder or VCR. For more information about recording, refer to the manual provided with the connected device.
- The external device connections shown may differ slightly from illustrations in this manual.
- Connect external devices to the TV regardless about the order of the TV port.
- If you connect a gaming device to the TV, use the cable supplied with the gaming device.
- Refer to the external equipment's manual for operating instructions.
- Only a USB storage device is recognizable.
- If the USB storage device is connected through a USB hub, the device is not recognizable.
- Using a DVI to HDMI cable may cause compatibility issues.

Connecting to an Antenna or Cable

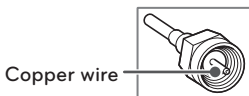
Connect an antenna, cable, or cable box to watch TV. The illustrations may differ from the actual items and an RF cable is optional.



ENGLISH

CAUTION

- Make sure not to bend the copper wire of the RF cable.



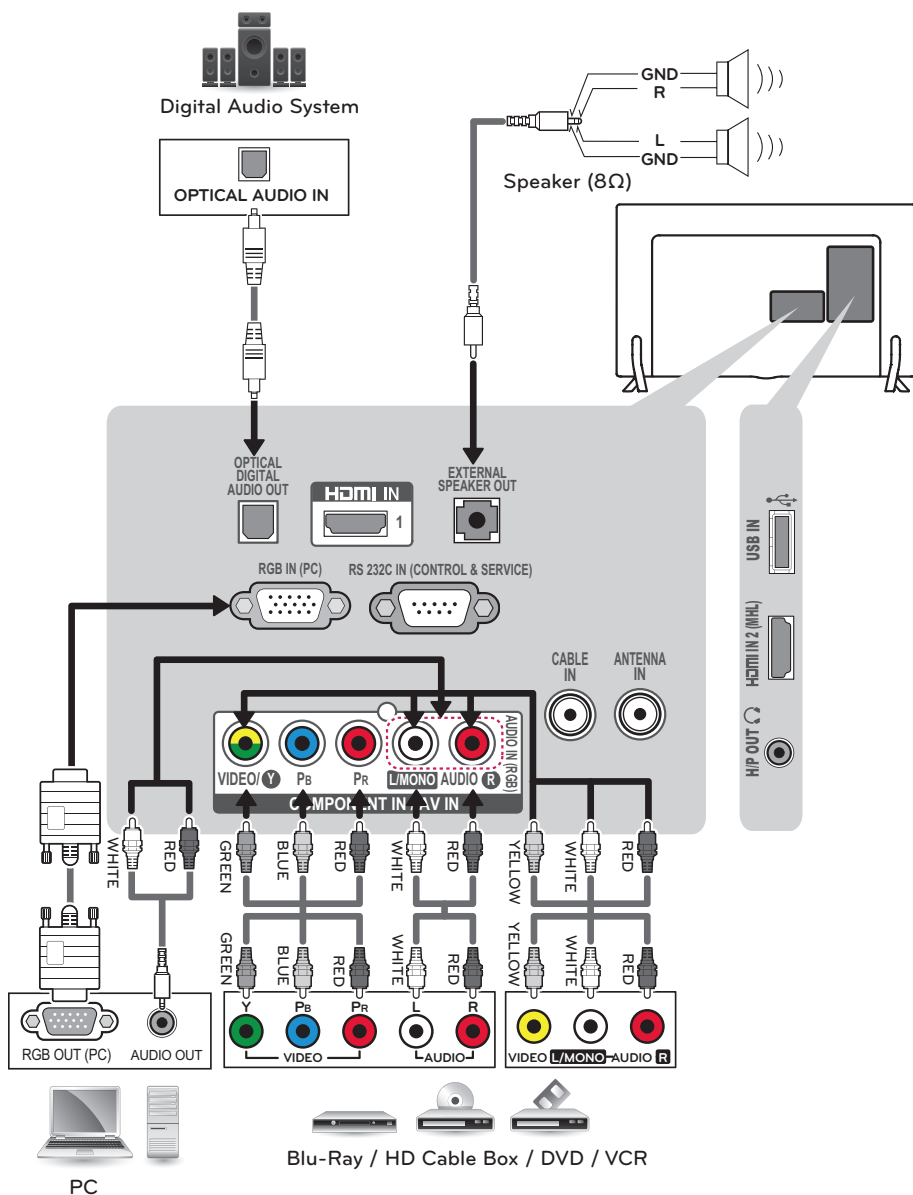
- Complete all connections between devices, and then connect the power cord to the power outlet to prevent damage to your TV.

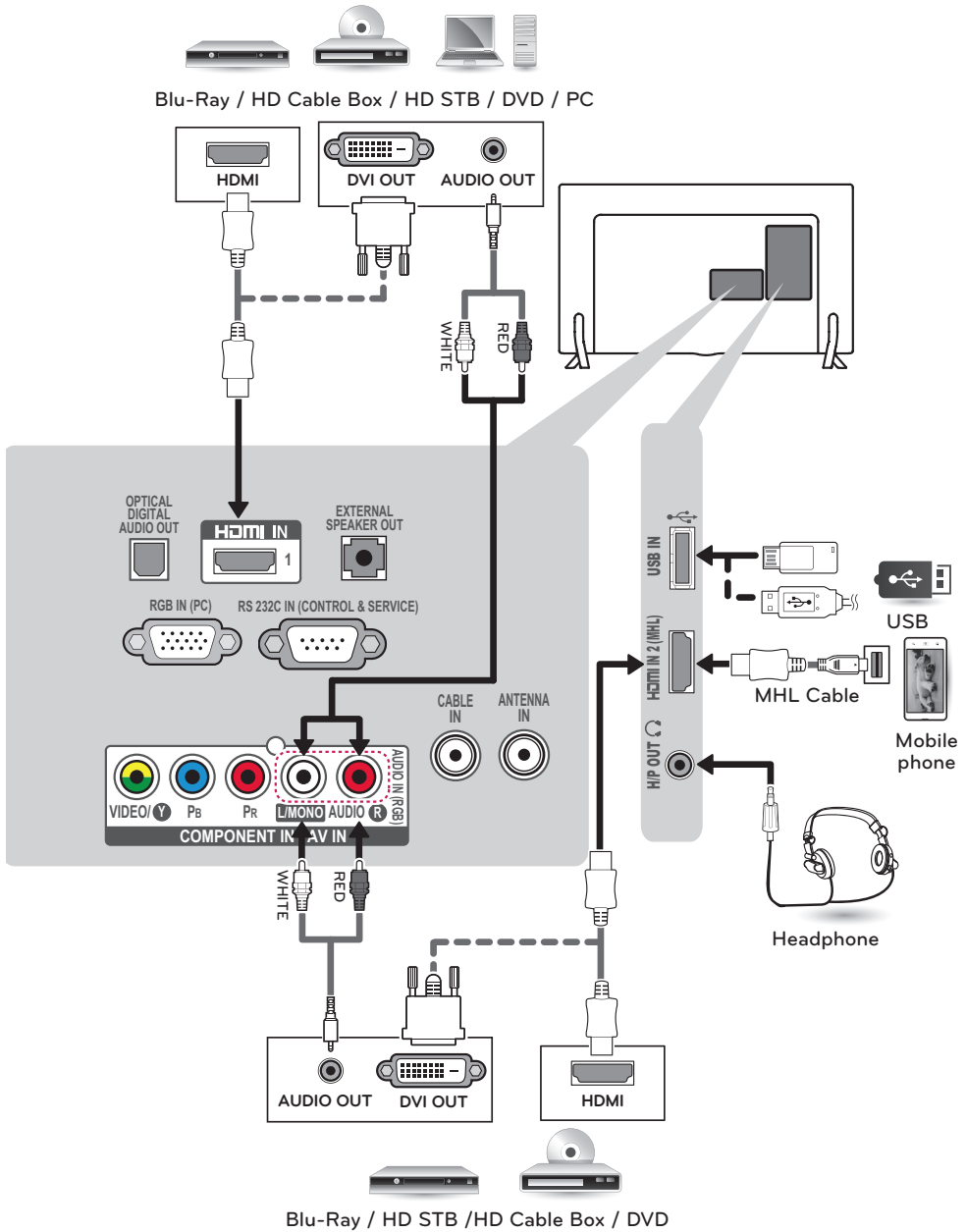
NOTE

- To improve the picture quality in a poor signal area, please purchase a signal amplifier and install it properly.
- Use a signal splitter to use more than 2 TVs.
- If the antenna is not installed properly, contact your dealer for assistance.
- DTV Audio Supported Codec: MPEG, Dolby Digital, Dolby Digital Plus, HE-AAC, DRA

Other Connections

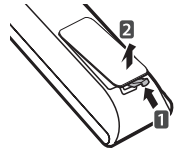
Connect your TV to external devices. For the best picture and audio quality, connect digital devices using an HDMI cable. Cables not provided.





REMOTE CONTROL

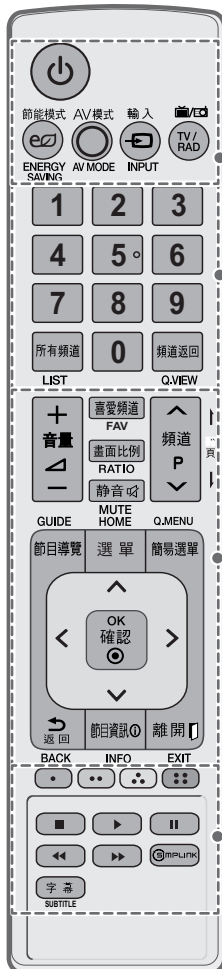
The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the TV correctly. To install batteries, open the battery cover, replace batteries (1.5 V AAA) matching the ⊕ and ⊖ ends to the label inside the compartment, and close the battery cover. Failure to match the correct polarities of the battery may cause the battery to burst or leak, resulting in fire, personal injury, or ambient pollution. To remove the batteries, perform the installation actions in reverse.



CAUTION

- Do not mix old and new batteries, as this may damage the remote control.
- In Analogue TV and some countries, some remote control buttons may not work.

This remote uses infrared light. When in use, it should be pointed in the direction of the TV's remote sensor.



⏻ (POWER) Turns the TV on or off.

⏻ 節能模式 ENERGY SAVING Adjusts the brightness of the screen to reduce energy consumption.

AV 模式 AV MODE Selects an AV mode.

輸入 INPUT Changes the input source.

TV/RAD Selects Radio, TV and DTV programme.

Number button Enters numbers.

所有頻道 LIST Accesses the saved channel list.

頻道返回 Q.VIEW Tunes to the last channel viewed.

+ 音量 - Adjusts the volume level.

喜愛頻道 FAV Accesses your favorite channel list.

畫面比例 RATIO Resizes an image.

靜音 MUTE Mutes all sounds.

頻道 P Scrolls through the saved channels.

翻頁 Moves to the previous or next screen.

節目導覽 GUIDE Displays and removes the electronic program guide.

選單 HOME Selects a menu. Clears all on-screen displays and returns to TV viewing from any menu.

簡易選單 Q.MENU Accesses the quick menu.

Navigation buttons (up/down/left/right) Scrolls through menus or options.

確認 OK Selects menus or options and confirms your input.

返回 BACK Returns to the previous screen.

節目資訊 INFO Shows information on the current program.

離開 EXIT Clears all on-screen displays and returns to TV viewing.

Color buttons (Red, Green, Yellow, Blue) These access special functions in some menus.

Control buttons (Play, Stop, Pause, Fast Forward, Rewind) Controls the MY MEDIA menus or the SIMPLINK compatible devices (USB, SIMPLINK).

SIMPLINK Accesses the AV devices connected to the TV. Opens the SIMPLINK menu.

字幕 SUBTITLE Activates your preferred subtitle in digital mode.

MAINTENANCE

Cleaning your TV

Clean your TV regularly to keep it at peak performance and to extend the product's lifespan.



CAUTION

- Before cleaning, turn the power off and disconnect the power cord and all other cables.
- When the TV is left unattended or unused for a long time, disconnect the power cord from the wall outlet to prevent possible damage from lightning or power surges.

Screen, Frame, Cabinet, and Stand

To remove dust or light dirt, wipe the surface with a dry, clean, and soft cloth.

To remove major dirt, wipe the surface with a soft cloth dampened in clean water or a diluted mild detergent. Then wipe immediately with a dry cloth.



CAUTION

- Do not push, rub, or hit the surface with your fingernail or a sharp object, as this may result in scratches on the screen and image distortions.
- Do not use any chemicals, such as waxes, benzene, alcohol, thinners, insecticides, air fresheners, or lubricants, as these may damage the screen's finish and cause discoloration.
- Do not spray liquid onto the surface. If water enters the TV, it may result in fire, electric shock, or malfunction.

Power Cord

Remove the accumulated dust or dirt on the power cord regularly.

TROUBLESHOOTING

The software may be updated for improvement in performance. The customer is responsible to ensure the compatibility of their equipment with any LG Electronics software. If needed, please consult with LG Electronics and update new software versions according to the guidance provided by LG Electronics.

Problem	Solution
Cannot control the TV with the remote control.	• Check if anything such as tape has been placed over the receiver. • Check if there is any obstacle between the product and the remote control. • Replace the batteries with new fresh ones.
No image display and no sound is produced.	• Check if the product is turned on. • Check if the power cord is connected to a wall outlet. • Check if there is a problem in the wall outlet by connecting other products.
The TV turns off suddenly.	• Check the power control settings. The power supply may be interrupted. • Check if the auto off feature is activated in the Time settings.
When connecting to the PC (RGB/HDMI DVI), 'No signal' or 'Invalid Format' is displayed.	• Turn the TV off/on using the remote control. • Reconnect the RGB/HDMI DVI cable. • Restart the PC with the TV on.

SPECIFICATIONS

Product specifications may be changed without prior notice due to upgrade of product functions.

		Digital TV	Analogue TV		
HONG KONG	Television System	DTMB	PAL-D/K/B/G/I, NTSC-M		
	Channel Coverage	DTMB : 21~69	BAND	PAL-D/K/B/G/I	NTSC-M
			VHF/UHF	1~69	2~78
			Cable	1~47	1~71
	External Antenna Impedance	75 Ω			
Environment Condition	Operating Temperature	0 °C - 40 °C			
	Operating Humidity	Less than 80 %			
	Storage Temperature	-20 °C - 60 °C			
	Storage Humidity	Less than 85 %			
	Power Requirement	AC 100-240 V ~ 50 / 60 Hz			

For the power supply and power consumption, refer to the label attached to the product.

MODELS		32LY340C (32LY340C-CA)	42LY340C (42LY340C-CA)
Dimensions (W x H x D)	With stand	732 x 481 x 207 (mm)	961 x 612 x 218 (mm)
	Without stand	732 x 431 x 55.5 (mm)	961 x 567 x 55.5 (mm)
Weight	With stand	6.2 kg	9.5 kg
	Without stand	6.0 kg	9.2 kg

MODELS		47LY340C (47LY340C-CA)	55LY340C (55LY340C-CA)
Dimensions (W x H x D)	With stand	1,073 x 676 x 247 (mm)	1,243 x 772 x 247 (mm)
	Without stand	1,073 x 629 x 55.8 (mm)	1,243 x 725 x 56.8 (mm)
Weight	With stand	12.7 kg	18.4 kg
	Without stand	12.3 kg	18 kg

RGB (PC), HDMI (PC) supported mode

(HDMI IN 2 does not support PC mode.)

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
640 x 350	31.47	70.09
640 x 480	31.469	59.94
720 x 400	31.468	70.08
800 x 600	37.879	60.317
1024 x 768	48.363	60.004
1152 x 864	54.348	60.053
1360 x 768	47.712	60.015
1280 x 1024 (FHD only)	63.981	60.02
1920 x 1080 (FHD only)	67.50	60.00

HDMI (DTV) supported mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720 x 480p	31.469	59.94
	31.50	60.00
720 x 576p	31.25	50.00
	37.50	50.00
1280 x 720p	44.96	59.94
	45.00	60.00
1920 x 1080i	28.125	50.00
	33.72	59.94
	33.75	60.00
1920 x 1080p	26.97	23.97
	27.00	24.00
	33.716	29.976
	33.75	30.00
	56.25	50.00
	67.43	59.94
	67.50	60.00

Component port connecting information

Component ports on the TV	Y	P _B	P _R
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Video output ports on DVD player	Y	P _B	P _R
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	Pb	Pr

Signal	Component
480i/576i	O
480p/576p	O
720p/1080i	O
1080p	O

Component supported mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720 x 480i	15.63	59.94
	15.73	60.00
720 x 480p	31.47	59.94
	31.50	60.00
720 x 576i	15.625	50.00
720 x 576p	31.25	50.00
	44.96	59.94
	45.00	50.00
1280 x 720p	45.00	50.00
	45.00	60.00
	45.00	60.00
1920 x 1080i	28.125	50.00
	33.72	59.94
	33.75	60.00
1920 x 1080p	26.97	23.976
	27.00	24.00
	33.71	29.97
	33.75	30.00
	56.25	50.00
	67.432	59.94
	67.50	60.00

IR CODES

(Depending on model)

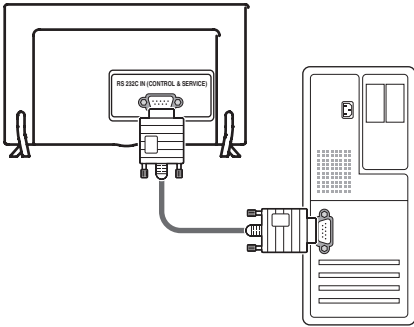
Code (Hexa)	Function	Note	Code (Hexa)	Function	Note
08	 (POWER)	Remote control Button (Power On/Off)	8F		Remote control Button
30	AV 模式 AV MODE	Remote control Button	79	畫面比例 RATIO	Remote control Button
0B	 輸入 INPUT	Remote control Button	7E	 SIMPLINK	Remote control Button
F0	 TV/RAD	Remote control Button	AB	節目導覽 GUIDE	Remote control Button
10-19	Number Key 0-9	Remote control Button	39	字幕 SUBTITLE	Remote control Button
53	所有頻道 LIST	Remote control Button	95	 節能模式 ENERGY SAVING	Remote control Button
1A	頻道返回 Q.VIEW	Remote control Button	0C	門戶 PORTAL	Remote control Button
02	音量 (VOL) 	Remote control Button	43	選單 HOME	Remote control Button
03	音量 (VOL) 	Remote control Button			
1E	喜愛頻道 FAV	Remote control Button			
09	靜音 MUTE 	Remote control Button			
00	頻道 P  翻頁 	Remote control Button			
01	頻道 P  翻頁 	Remote control Button			
45	簡易選單 Q.MENU	Remote control Button			
28	 返回 BACK	Remote control Button			
AA	節目資訊  INFO	Remote control Button			
5B	離開  EXIT	Remote control Button			
44	確認 OK 	Remote control Button			
40	^	Remote control Button			
41	v	Remote control Button			
07	<	Remote control Button			
06	>	Remote control Button			
72	RED 	Remote control Button			
71	GREEN 	Remote control Button			
63	YELLOW 	Remote control Button			
61	BLUE 	Remote control Button			
B1		Remote control Button			
B0		Remote control Button			
BA		Remote control Button			
8E		Remote control Button			

EXTERNAL CONTROL DEVICE SETUP

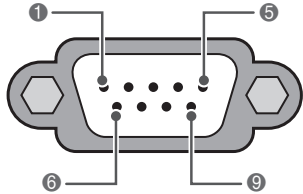
RS-232C Setup

Connect the RS-232C (serial port) input jack to an external control device (such as a computer or an A/V control system) to control the product's functions externally.

Connect the serial port of the control device to the RS-232C jack on the product back panel.



Type of Connector; D-Sub 9-Pin Male



RS-232C IN
(CONTROL & SERVICE)

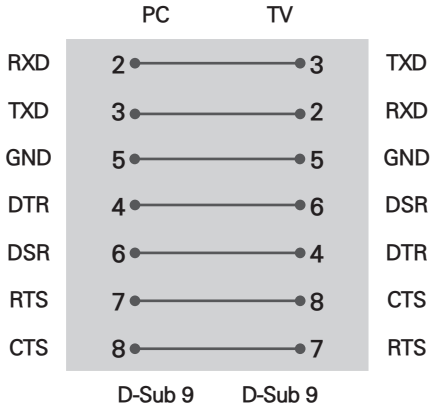
No.	Pin name
1	No connection
2	RXD (Receive data)
3	TXD (Transmit data)
4	IR OUT from TV
5	GND
6	No connection
7	No connection
8	No connection
9	No Connection

! NOTE

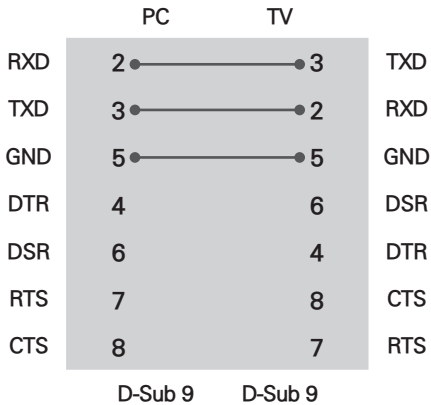
- RS-232C on this unit is intended to be used with third party RS-232C control hardware and software. The instructions below are provided to help with programming software or to test functionality using telenet software. RS-232C connection cables are not supplied with the product.

RS-232C Configurations

7-Wire Configuration
(Serial female-female NULL modem cable)



3-Wire Configurations(Not standard)



Set ID

Set ID number; "Real Data Mapping"

- 1 Press **HOME** to access the main menus.
- 2 Press the Navigation buttons to scroll to **Option** and press **OK**.
- 3 Press the Navigation buttons to scroll to **Set ID** and press **OK**.
- 4 Scroll left or right to select a set ID number and select **CLOSE**. The adjustment range is 1-99.
- 5 When you are finished, press **EXIT**.

Communication Parameters

- Baud rate: 9600 bps (UART)
- Data length: 8 bits
- Parity : None
- Stop bit: 1 bit
- Communication code: ASCII code
- Use a crossed (reverse) cable.

Command Reference List

(Depending upon model)

	COMMAND1	COMMAND2	DATA (Hexadecimal)		COMMAND1	COMMAND2	DATA (Hexadecimal)
01. Power	k	a	00 - 01	13. Balance	k	t	00 - 64
02. Aspect Ratio	k	c	(See p. 28)	14. Color Temperature	x	u	00 - 64
03. Screen Mute	k	d	(See p. 28)	15. Energy Saving	j	q	00 - 05
04. Volume Mute	k	e	00 - 01	16. Auto Configuration	j	u	01
05. Volume Control	k	f	00 - 64	17. Equalize	j	v	(See p. 30)
06. Contrast	k	g	00 - 64	18. Tune Command	m	a	(See p. 30)
07. Brightness	k	h	00 - 64	19. Program Add/Skip	m	b	00 - 01
08. Color	k	i	00 - 64	20. Key	m	c	(See p. 31)
09. Tint	k	j	00 - 64	21. Control Back Light	m	g	00 - 64
10. Sharpness	k	k	00 - 32	22. Input Select (Main)	x	b	(See p. 31)
11. OSD Select	k	l	00 - 01				
12. Remote Control Lock Mode	k	m	00 - 01				

* Note: During USB operations such as DivX or EMF, all commands except Power(ka) and Key(mc) are not executed and treated as NG.

Transmission / Receiving Protocol

Transmission

[Command1][Command2][][Set ID][][Data][Cr]

[Command 1] : First command to control the TV.(j, k, m or x)

[Command 2] : Second command to control the TV.

[Set ID] : You can adjust the set ID to choose desired monitor ID number in option menu. Adjustment range is 1 to 99. When selecting Set ID '0', every connected set is controlled. Set ID is indicated as decimal (1 to 99) on menu and as Hexa decimal (0x0 to 0x63) on transmission/receiving protocol.

[DATA] : To transmit command data. Transmit 'FF' data to read status of command.

[Cr] : Carriage Return
ASCII code '0x0D'

[] : ASCII code 'space (0x20)'

OK Acknowledgement

[Command2][][Set ID][][OK][Data][x]

The set transmits ACK (acknowledgement) based on this format when receiving normal data. At this time, if the data is data read mode, it indicates present status data. If the data is data write mode, it returns the data of the PC computer.

Error Acknowledgement

[Command2][][Set ID][][NG][Data][x]

The set transmits ACK (acknowledgement) based on this format when receiving abnormal data from non-viable functions or communication errors.

Data 00 : Illegal Code

01. Power (Command: k a)

► To control Power On/Off of the set

Transmission [k][a][][Set ID][][Data][Cr]

Data 00: Power Off Data 01: Power On

Ack [a][][Set ID][][OK/NG][Data][x]

► To show Power On/Off

Transmission [k][a][][Set ID][][FF][Cr]

Ack [a][][Set ID][][OK/NG][Data][x]

* Similarly, if other functions transmit '0xFF' data based on this format, Acknowledgement data feed back presents status about each function.

* OK Ack., Error Ack. and other message may display on the screen when TV is power On.

02. Aspect Ratio (Command: k c) (Main Picture Size)

► To adjust the screen format. (Main picture format) You can also adjust the screen format using the Aspect Ratio in the Q.MENU. or PICTURE menu.

Transmission [k][c][][Set ID][][Data][Cr]

Data 01: Normal screen (4:3)

Data 02: Wide screen (16:9)

Data 04: Zoom

Data 06: Original

Data 07: 14:9

Data 09: Just Scan

Data 0B: Full Wide

Data 10 to 1F: Cinema Zoom 1 to 16

Ack [c][][Set ID][][OK/NG][Data][x]

* Using the PC input, you select either 16:9 or 4:3 screen aspect ratio.

* In DTV/HDMI (1080i 50 Hz / 60 Hz, 720p 50Hz / 60 Hz, 1080p 24 Hz / 30 Hz / 50 Hz / 60 Hz), Component(720p, 1080i, 1080p 50 Hz / 60 Hz) mode, Just Scan is available.

* Full Wide is supported only for Digital.

03. Screen Mute (Command: k d)

► To select screen mute on/off.

Transmission [k][d][][Set ID][][Data][Cr]

Data 00: Screen mute off (Picture on),
Video-out Mute off

Data 01: Screen mute on (Picture off)

Data 10: Video Mute on

Ack [d][][Set ID][][OK/NG][Data][x]

* In case of video mute on only, TV will display On Screen Display(OSD). But, in case of Screen mute on, TV will not display OSD.

04. Volume Mute (Command: k e)

► To control volume mute on/off.

You can also adjust mute using the MUTE button on remote control.

Transmission [k][e][][Set ID][][Data][Cr]

Data 00: Volume mute on (Volume off)

Data 01: Volume mute off (Volume on)

Ack [e][][Set ID][][OK/NG][Data][x]

05. Volume Control (Command: k f)

► To adjust volume.

You can also adjust volume with the volume buttons on remote control.

Transmission [k][f][][Set ID][][Data][Cr]

Data Min: 00 ~ Max: 64

* Refer to Real data mapping.

Ack [f][][Set ID][][OK/NG][Data][x]

06. Contrast (Command: k g)

► To adjust screen contrast.

You can also adjust contrast in the PICTURE menu.

Transmission [k][g][][Set ID][][Data][Cr]

Data Min: 00 ~ Max: 64

* Refer to Real data mapping.

Ack [g][][Set ID][][OK/NG][Data][x]

07. Brightness (Command: k h)**► To adjust screen brightness.**

You can also adjust brightness in the PICTURE menu.

Transmission [k][h][][Set ID][][Data][Cr]

Data Min: 00 ~ Max: 64

*Refer to Real data mapping.

Ack [i][][Set ID][][OK/NG][Data][x]

08. Color (Command: k i)**► To adjust the screen color.**

You can also adjust color in the PICTURE menu.

Transmission [k][i][][Set ID][][Data][Cr]

Data Min: 00 ~ Max: 64

*Refer to Real data mapping.

Ack [i][][Set ID][][OK/NG][Data][x]

09. Tint (Command: k j)**► To adjust the screen tint.**

You can also adjust tint in the PICTURE menu.

Transmission [k][j][][Set ID][][Data][Cr]

Data Red: 00 ~ Green: 64

*Refer to Real data mapping.

Ack [j][][Set ID][][OK/NG][Data][x]

10. Sharpness (Command: k k)**► To adjust screen sharpness.**

You can also adjust sharpness in the PICTURE menu.

Transmission [k][k][][Set ID][][Data][Cr]

Data Min: 00 ~ Max: 32

*Refer to Real data mapping.

Ack [k][][Set ID][][OK/NG][Data][x]

11. OSD Select (Command: k l)**► To select OSD (On Screen Display) on/off when controlling remotely.**

Transmission [k][l][][Set ID][][Data][Cr]

Data 00: OSD off Data 01: OSD on

Ack [l][][Set ID][][OK/NG][Data][x]

12. Remote Control Lock Mode (Command: k m)**► To lock the front panel controls on the monitor and remote control.**

Transmission [k][m][][Set ID][][Data][Cr]

Data 00: Lock off Data 01: Lock on

Ack [m][][Set ID][][OK/NG][Data][x]

* If you are not using the remote control, use this mode. When main power is on/off, external control lock is released.

* In the standby mode, if key lock is on, TV will not turn on by power on key of IR & Local Key.

13. Balance (Command: k t)**► To adjust balance.**

You can also adjust balance in the AUDIO menu.

Transmission [k][t][][Set ID][][Data][Cr]

Data Min: 00 ~ Max: 64

*Refer to Real data mapping.

Ack [t][][Set ID][][OK/NG][Data][x]

14. Color Temperature (Command: x u)**► To adjust color temperature.**

To adjust colour temperature. You can also adjust Colour Temperature in the PICTURE menu.

Transmission [x][u][][Set ID][][Data][Cr]

Data Min: 00 ~ Max: 64

*Refer to Real data mapping.

Ack [u][][Set ID][][OK/NG][Data][x]

15. Energy Saving (Command: j q)

► To reduce the power consumption of the TV. You can also adjust Energy Saving in PICTURE menu.

Transmission [j][q][][Set ID][][Data][Cr]

Power Saving Function					Level				Description
7	6	5	4		3	2	1	0	
0	0	0	0	Low Power	0	0	0	0	Off
0	0	0	0	Low Power	0	0	0	1	Minimum
0	0	0	0	Low Power	0	0	1	0	Medium
0	0	0	0	Low Power	0	0	1	1	Maximum
0	0	0	0	Low Power	0	1	0	1	Screen Off
0	0	0	0	Low Power	0	1	0	0	Auto

► 'Auto' is available in TV that supports 'Intelligent Sensor'

Ack [q][][Set ID][][OK/NG][Data][x]

16. Auto Configuration (Command: j u)

► To adjust picture position and minimize image shaking automatically. It works only in RGB (PC) mode.

Transmission [j][u][][Set ID][][Data][Cr]

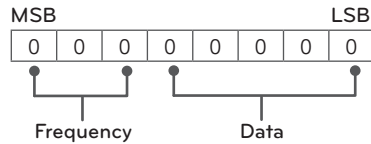
Data 01: To set

Ack [u][][Set ID][][OK/NG][Data][x]

17. Equalize (Command: j v)

► To adjust equalize.

Transmission [j][v][][Set ID][][Data][Cr]



7	6	5	Frequency	4	3	2	1	0	Step
0	0	0	1st Band	0	0	0	0	0	0(decimal)
0	0	1	2nd Band	0	0	0	0	1	1(decimal)
0	1	0	3rd Band	...	...	...	...	...	...
0	1	1	4th Band	1	0	0	1	1	19(decimal)
1	0	0	5th Band	1	0	1	0	0	20(decimal)

Ack [v][][Set ID][][OK/NG][Data][x]

18. Tune Command (Command: m a)

► Select channel to following physical number.

Transmission [m][a][][Set ID][][Data0][][Data1][][Data2][Cr]

Data 00: High channel data

Data 01: Low channel data

ex. No. 47 -> 00 2F (2FH)

No. 394 -> 01 8A (18AH)

DTV No. 0 -> Don't care

Data 02: [Antena]

0x00 : Analog Main

0x10 : DTV Main

0x20 : Radio

[Cable]

0x80 : Analog Main

0x90 : DTV Main

0xA0 : Radio

Channel data range

Analogue - Min: 00 to Max: 63 (0 to 99)

Digital - Min: 00 to Max: 3E7 (0 to 999)

Ack [a][][Set ID][][OK/NG][Data][x]

Data Min: 00 to Max: 7DH



Record the model number and serial number of the TV.
Refer to the label on the back cover and quote this information to your dealer when requiring any service.

MODEL _____

SERIAL _____