



OWNER'S MANUAL

DVD Player

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

MODEL
DVT589H

P/NO : MFL63266706

ENGLISH

PORTUGUÊS

ΕΛΛΗΝΙΚΑ


ITALIANO


ESPAÑOL

Safety Precaution



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

 This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

 The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

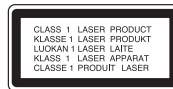
WARNING: Do not install this equipment in a confined space such as a book case or similar unit.

CAUTION: Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from over heating. The openings should be never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction has been adhered to.

CAUTION: This product employs a Laser System.

To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Should the unit require maintenance, contact an authorized service center. Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure. To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open. DO NOT STARE INTO BEAM.

CAUTION: The apparatus shall not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, shall be placed on the apparatus.



2

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 branch 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 service center.

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.

To disconnect power from the mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.

This device is equipped with a portable battery or accumulator.

Safe way to remove the battery or the battery from the equipment:

Remove the old battery or battery pack, follow the steps in reverse order than the assembly. To prevent contamination of the environment and bring on possible threat to human and animal health, the old battery or the battery put it in the appropriate container at designated collection points. Do not dispose of batteries or battery together with other waste. It is recommended that you use local, free reimbursement systems batteries and accumulators.

The battery shall not be exposed to excessived heat such as sunshine, fire or the like.

Disposal of your old appliance



1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

CE LG Electronics hereby declares that this/these product(s) is/are in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC, 2006/95/EC and 2009/125/EC.







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Types of Playable Discs

Type	Logo
DVD-VIDEO: Discs such as movies that can be purchased or rented	
DVD-R: Video mode and finalized only	
DVD-RW: VR mode, Video mode and finalized only	
DVD+R: Video mode only	
DVD+RW: Video mode only	
Audio CD: Music CDs or CD-R/CD-RW in music CD format that can be purchased	

This unit plays DVD±R/RW and CD-R/RW that contains audio titles, DivX, MP3, WMA and/or JPEG files. Some DVD±RW/DVD±R or CD-RW/CD-R cannot be played on this unit due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.

About the  Symbol Display

“  ” may appear on your TV display during operation and indicates that the function explained in this owner’s manual is not available on that disc.

Regional Codes

This unit has a regional code printed on the rear of the unit. This unit can play only DVD discs labeled same as the rear of the unit or “ALL”.

- Most DVD discs have a globe with one or more numbers in it clearly visible on the cover. This number must match your unit’s regional code or the disc cannot play.
- If you try to play a DVD with a different regional code from your player, the message “Check Regional Code” appears on the TV screen.

Copyrights

It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission. This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When recording and playing the pictures of these discs picture noise will appear. This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE ‘STANDARD DEFINITION’ OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p UNIT, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

“DVD Logo” is a trademark of DVD Format/Logo Licensing Corporation.

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

Hooking up the unit

Antenna connection

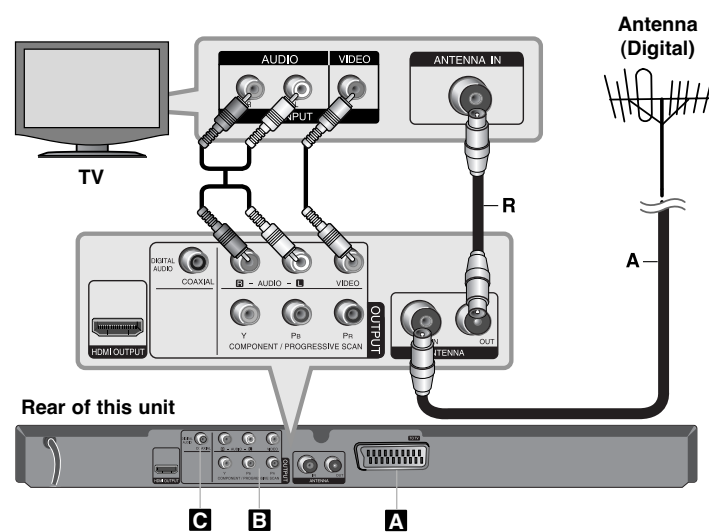
Connect the Terrestrial TV antenna (**A**) to the ANTENNA IN jack on the unit. If you want to use an indoor antenna, use one with a signal amplifier rated at 5V, 100mA and set [Antenna Feed 5V] to [ON] in the setup menu (See page 11).

Antenna connection to your TV

Connect one end of the RF cable (**R**) to ANTENNA OUT jack on the unit and other end to ANTENNA IN jack on your TV. Passes the signal from the ANTENNA IN jack to your TV/monitor.

Audio and Video Connection

The unit Audio/Video jacks are color coded (yellow for video, red for right audio and white for left audio). If your TV has only one input for audio (mono), connect it to the left (white) audio jack on the unit.



4

Hooking up the unit - more you can do

A SCART connection

Connect the TO TV jack on the unit and your TV using the SCART cable. For SCART connections, resolution must be set to 576i(480i) by pressing RESOLUTION button.

Caution : You must set the [TV Output Select] option to [RGB] on the setup menu to use this connection. (See page 9)

B Component Video Connections

Connect the COMPONENT / PROGRESSIVE SCAN OUTPUT jacks on the unit to the corresponding input jacks on your TV using a YPbPr cable.

- You will still need to connect the left and right audio cables to the TV, or digital audio cable to your stereo.

Caution : You must set the [TV Output Select] option to [YPbPr] on the setup menu to use this connection. (See page 9)

Resolution Setting

- You can change the resolution for component video output. Press RESOLUTION repeatedly to select the desired resolution - 576i(480i), 576p(480p), 720p, 1080i, 1080p.
- For 720p, 1080p and 1080i resolution on the component video output, only non-copy protected discs can be played back. If the disc is copy protected, it will be displayed at the 576p(480p) resolution.
- Depending on your TV, some of the resolution settings may result in the picture disappearing or an abnormal picture appearing. In this case, press RESOLUTION repeatedly until the picture re-appears.

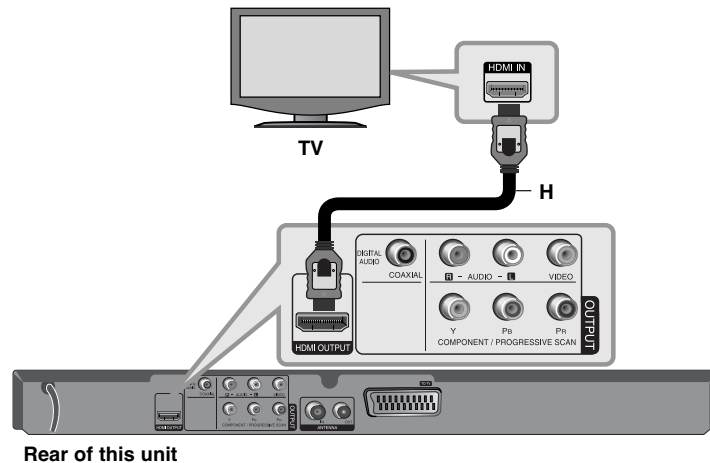
C Digital Audio Output Connection

Connect one of the unit's DIGITAL AUDIO OUTPUT (COAXIAL) jack to the corresponding jack on your amplifier.

- If the audio format of the digital output does not match the capabilities of your amplifier, the amplifier will produce a strong, distorted sound or no sound at all.
- To see the audio format of the current disc in the on-screen display, press AUDIO.
- This unit does not perform internal (2 channel) decoding of a DTS sound track. To enjoy DTS multi channel surround, you must connect this unit to a DTS compatible amplifier via one of this unit's digital audio outputs.

HDMI Connection

Connect the HDMI OUTPUT jack (H) on the unit to the HDMI input jack on an HDMI compatible TV using an HDMI cable (Version 1.2).



Rear of this unit

Resolution Setting

You can change the resolution for HDMI output. Press **RESOLUTION** repeatedly to select the desired resolution - 576i(480i), 576p(480p), 720p, 1080i, 1080p. The resolution may not be selected depending on the connection or TV.

Note for 1080p resolution

The unit is able to provide a 1080p HD image to most 1080p-capable TVs in the market today. However, there are some 1080p TVs available from certain companies that are limited in the types of 1080p images that can be accepted. Specifically, 1080p-capable TVs that don't accept images in 60Hz can't display an image from this unit.

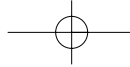
About HDMI

HDMI (High Definition Multimedia Interface) supports both video and audio on a single digital connection for use with DVD Players, Set-Top Boxes, and other AV devices. HDMI was developed to provide the technologies of HDCP (High-bandwidth Digital Content Protection). HDCP is used to protect digital content transmitted and received.

HDMI has the capability to support standard, enhanced or high-definition video plus standard to multi-channel surround-sound audio, HDMI features include uncompressed digital video, a bandwidth of up to 5 gigabytes per second, one connector (instead of several cables and connectors), and communication between the AV source and AV devices such as DTVs.

Notes on HDMI connection

- If your TV is not capable of handling 96 kHz sampling frequency, set the [Sampling Freq.] option to [48 kHz] on the setup menu (See page 9).
- If your TV is not equipped with Dolby Digital and MPEG decoder, set the [Dolby Digital] and [MPEG] options to [PCM] on the setup menu (See page 9).
- Depending on your TV, some of the resolution settings may result in the picture disappearing or an abnormal picture appearing. In this case, press **RESOLUTION** repeatedly until the picture re-appears.
- Changing the resolution when the unit is connected with HDMI connector may result in malfunctions. To solve the problem, turn off the unit and then turn it on again.
- When you connect a HDMI or DVI compatible device, make sure of the following:
 - Try switching off the HDMI/DVI device and this unit. Next, switch on the HDMI/DVI device and leave it for around 30 seconds, then switch on this unit.
 - The connected device's video input is set correctly for this unit.
 - The connected device is compatible with 720X576i(480i), 720X576p(480p), 1280X720p, 1920X1080i or 1920X1080p video input.
 - The 1080p, 720p and 576p(480p) resolutions are the progressive scan applied resolution.
- Not all HDCP-compatible DVI devices will work with this unit.
 - The picture will not be displayed properly with non-HDCP device.



General about digital broadcast

Picture and sound

Digital TV is a transmission technology that replaces the traditional analogue technique.

This means that several TV channels, radio channels and other digital services can be transmitted on the same space as just one channel took up before. As a consumer you get access to many more channels and services than before at the same time as they are received with perfect picture and audio quality.

Coverage

Before buying this product it is anticipated that you have made sure that there are digital transmissions covering your region.

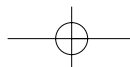
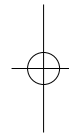
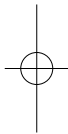
Antenna / Signal source

Depending on the reception your unit may be connected to a simple indoor antenna or to an existing outdoor antenna system. If you live in a flat you should make sure that the digital terrestrial signals are distributed to your wall antenna outlet. If you have your own antenna system you must make sure that it is equipped with antennas, filter and/or amplifier that can handle those frequencies that the digital channels are transmitted on.

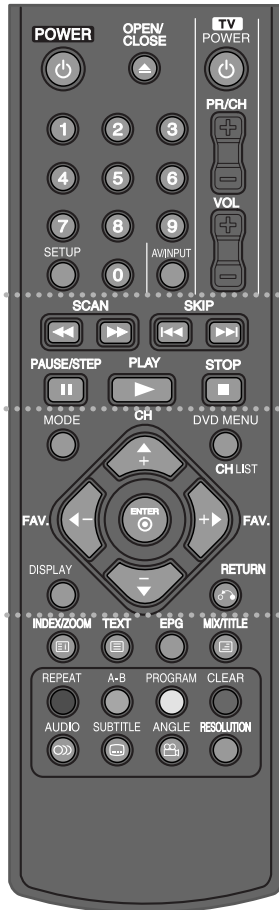
Cable-TV

Please observe that this unit is not designed for the reception of regular digital cable-TV signals (QAM-signal). Despite this, operators of smaller cable networks may have chosen to distribute the digital terrestrial signals (COFDM-signal) in the network. In this case this unit may well be used.

Check with your landlord if you are insecure about what type of TV-signal that is provided in the wall antenna outlet.



Remote control



1

1

POWER (⏻) : Switches the unit ON or OFF.

OPEN/CLOSE (⏮) : Opens and closes the disc tray.

TV Control Buttons : You can control the sound level, input source, selects TV's channel and power switch of your TV.

Numerical buttons : Selects numbered items in a menu.

SETUP : Accesses or exits the setup menu.

2

2

SCAN (◀◀ / ▶▶) : Search backward or forward.

SKIP (◀◀◀ / ▶▶▶) : Go to next or previous chapter/track/file.

PAUSE/STEP (⏸) : Pauses playback temporarily/press repeatedly for frame-by-frame playback.

PLAY (▶) : Starts playback.

STOP (■) : Stops playback.

3

3

MODE : Switches a operation mode (DVB-T, DAB or Disc).

CH (+/-) : Scans up or down through memorized channels in DVB-T or DAB mode.

DVD MENU : Accesses or exits the DVD menu.

CH LIST : Displays the channel list.

FAV. (+/-) : Tunes to your favorite channels.

◀ / ▶ / ▲ / ▼ (left/right/up/down) : Used to navigate on-screen displays.

ENTER (⊙) : Confirms menu selection.

DISPLAY : Accesses On-Screen Display.

RETURN (↶) : Press to move backwards in the menu or exit the menu. Changes to the USB mode.

4

4

INDEX (📖) / **ZOOM** : Moves to Index screen or page 100 in the teletext mode. Enlarges video image in disc mode.

TEXT (📄) : Switches between teletext mode and normal TV viewing.

MIX (📄) / **TITLE** : Displays the teletext pages superimposed on the TV picture. Accesses the disc's title menu in disc mode, if available.

EPG : Displays the EPG menu.

Color buttons : Use when tuned to a teletext program of a digital broadcast. The function of each button will be described on-screen, and changes depending on the screen being displayed.

REPEAT : Repeats a chapter, track, title or all.

A-B : Repeats a section.

PROGRAM : Enters the program edit mode.

CLEAR : Removes a track/file number on the Program List.

AUDIO (🔊) : Selects an audio language or audio channel.

SUBTITLE (🗣️) : Selects a subtitle language.

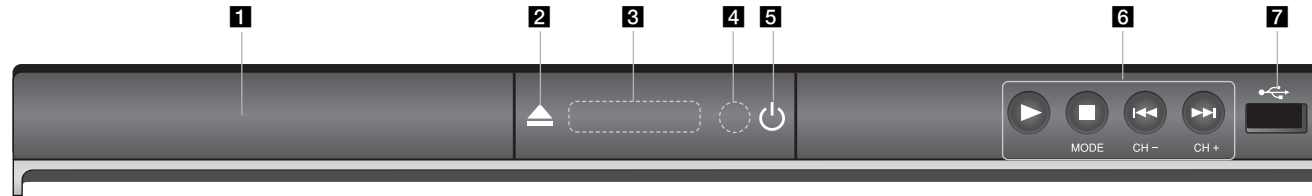
ANGLE (📷) : Selects a DVD camera angle, if available.

RESOLUTION : You can change the resolution depending on your TV.

Put the battery into the Remote Control

Remove the battery cover on the rear of the Remote Control, and insert R03 (size AAA) battery with ⊕ and ⊖ matched correctly.

Main unit



1 Disc Tray

Insert a disc here.

2 ▲ (Open / Close)

Opens or closes the disc tray.

3 Display window

Shows the current status of the unit.

4 Remote sensor

Point the remote control here.

5 ⏻ (Power)

Turn the unit ON or OFF.

6 • ▶ (Play) : Starts playback.

• ■ (Stop) : Stops playback.

MODE : Switches a operation mode (DVB-T, DAB or Disc).

• ◀◀ (Skip) : Returns to the beginning of current chapter/track/file or go to the previous chapter/track/file.

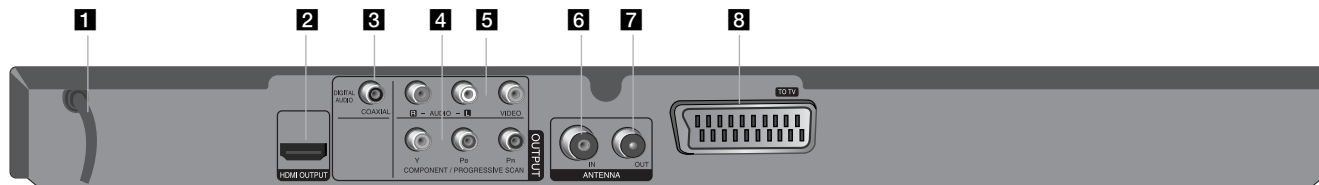
CH - : Scans down through memorized channels.

• ▶▶ (Skip) : Go to next chapter/track/file.

CH + : Scans up through memorized channels.

7 USB Port

Connect a USB Flash Drive.



1 AC Power Cord

Connect to a power source.

2 HDMI OUTPUT (Type A)

Connect to TV with HDMI inputs. (Interface for digital audio and video)

3 DIGITAL AUDIO OUTPUT (COAXIAL)

Connect to a digital (coaxial) audio equipment.

4 COMPONENT / PROGRESSIVE SCAN OUTPUT (Y Pb Pr)

Connect to a TV with Y Pb Pr inputs.

5 VIDEO/AUDIO (R/L) OUTPUT

Connect to a TV with video and audio inputs.

6 ANTENNA IN

Connect the antenna to this terminal.

7 ANTENNA OUT

Passes the signal from the ANTENNA IN to your TV.

8 SCART (TO TV)

Connect to a TV with SCART jack.

Selecting an operating mode

You must select one of the operating modes before operating. Press MODE repeatedly to change the mode among DVB-T, DAB or Disc.

Disc: You should select the Disc mode before using playback functions or disc setup setting.

DVB-T: You should select the DVB-T mode before watching TV channel or using TV setup setting.

DAB: You should select the DAB mode before listening to the radio or using radio setup setting.

Adjust the Disc playback settings

	ON REMOTE
1 Select the disc mode:	MODE
2 Display setup menu:	SETUP
3 Select a desired option on the first level:	▲▼
4 Move to second level:	▶
5 Select a desired option on the second level:	▲▼
6 Move to third level:	▶
7 Change the setting:	▲▼ / ENTER

Adjust the Disc playback settings - more you can do

When you turn on for the first time (optional)

The menu for a language selection will appear when you turn on the unit for the first time. You must select a language to use the unit. Use ▲▼◀▶ to select a language then press **ENTER** and the confirm menu will appear. Use ◀▶ to select [Enter] then press **ENTER**.

Adjust the language settings

Menu Language – Select a language for the Setup menu and on-screen display.

Disc Audio/Subtitle/Menu – Select a language for the Disc Audio/Subtitle/Menu.

[Original]: Refers to the original language in which the disc was recorded.

[Other]: To select another language, press number buttons then **ENTER** to enter the corresponding 4-digit number according to the language code list (see page 20). If you make a mistake while entering number, press **CLEAR** to delete numbers then correct it.

[Off] (for Disc Subtitle): Turn off Subtitle.

Adjust the display settings

TV Aspect – Select which screen aspect to use based on the shape of your TV screen.

[4:3]: Select when a standard 4:3 TV is connected.

[16:9]: Select when a 16:9 wide TV is connected.

Display Mode – If you selected 4:3, you'll need to define how you would like widescreen programs and films to be displayed on your TV screen.

[Letterbox]: This displays a widescreen picture with black bands at the top and bottom of the screen.

[Panscan]: This fills the entire 4:3 screen, cropping the picture as necessary.

TV Output Select – Select an option according to the TV connection type.

[RGB]: When your TV is connected with the SCART jack.

[YPbPr]: When your TV is connected with the COMPONENT / PROGRESSIVE SCAN OUTPUT jacks on the unit.

Adjust the audio settings

Dolby Digital / DTS / MPEG – Selects the type of digital audio signal when using the DIGITAL AUDIO OUTPUT jack.

[Bitstream]: Select this when you connect this unit's DIGITAL AUDIO OUTPUT jack to an amplifier with a built-in Dolby Digital, DTS or MPEG decoder.

[PCM] (for Dolby Digital / MPEG): Select this when you connect this unit's DIGITAL AUDIO OUTPUT jack to an amplifier without a built-in Dolby Digital or MPEG decoder.

[Off] (for DTS): Select this when you connect this unit's DIGITAL AUDIO OUTPUT jack to an amplifier without a built-in DTS decoder.

Sample Freq. (Frequency) – Selects the sampling frequency of the audio signal.

[48 KHz]: The audio signals are always converted to 48 kHz.

[96 KHz]: The audio signals are output in their original format.

DRC (Dynamic Range Control) – Make the sound clear when the volume is turned down (Dolby Digital only). Set to [On] for this effect.

Vocal – Set to [On] only when a multi-channel karaoke DVD is playing. The karaoke channels on the disc mix into normal stereo sound.

Adjust the lock settings 

You must set the [Area Code] option to use the lock options. Select [Area Code] option then press **▶**. Enter a 4-digit password then press **ENTER**. Enter it again then press **ENTER** to verify. If you make a mistake while entering number, press **CLEAR** then correct it.

If you forget your password you can reset it. First, remove the disc in the unit. Display setup menu then input the 6-digit number “210499”. The “P CLr” appear in the display window and the password is deleted.

Rating – Select a rating level. The lower the level, the stricter the rating. Select [Unlock] to deactivate the rating.

Password – Sets or changes the password for lock settings.

[New]: Enter a new 4-digits password using the numerical buttons then press **ENTER**. Enter the password again to confirm.

[Change]: Enter the new password twice after entering the current password.

Area Code – Select a code for a geographic area as the playback rating level. This determines which area’s standards are used to rate DVDs controlled by the parental lock. (See page 20)

Adjust the others settings 

B.L.E. (Black Level Expansion) – To select the black level of playback pictures, set your preference and monitor’s ability.

REC Bit Rate – You can choose a bit rate for USB direct recording (128 Kbps, 160 Kbps, 192 Kbps, 256 Kbps or 320 Kbps). Higher bit rate gives the better sound quality but uses more space on the USB Flash Drive. For USB direct recording see page 18.

DivX(R) VOD – We provide you with the DivX® VOD (Video On Demand) registration code that allows you to rent and purchase videos using the DivX® VOD service. For more information, visit www.divx.com/vod. Press **ENTER** when [Select] icon is highlighted and you can view the registration code of the unit.

All the downloaded videos from DivX® VOD can only be played back on this unit.

Adjust the DVB-T or DAB settings

	ON REMOTE
1 Select the DVB-T or DAB mode: When the first time to turn on the unit, the “First time installation” menu will appear. Select [YES] and press ENTER for auto channel scanning. (see “Auto Scan” below for details)	MODE
2 Display DVB-T or DAB setup menu:	SETUP
3 Select a desired option on the first level:	▲ ▼
4 Move to second level:	▶
5 Select a desired option on the second level:	▲ ▼
6 Move to third level:	▶
7 Change the setting:	▲ ▼ / ENTER
8 Go back to the previous level:	◀

Adjust the DVB-T or DAB settings - more you can do

Adjust the programmed channels 

Auto Scan – This option automatically scans and sets the available channels. Currently selected mode (TV or Radio) will not be changed after the Auto channel scanning.

[Country]: Use **◀ ▶** select a country where you operate this unit.

[Auto Scan]: Use **▼ ▶** to select [Yes] then press **ENTER** to start the channel scanning.

TV Channel / Radio Channel – Displays the TV or Radio channel list. Use **▶** to select the [Select] then press **ENTER** to display the channel list. You can also display the channel list pressing **CH LIST** while in DVB-T or DAB mode.

While displaying channel list, press **◀ ▶** to display favorite channel list (See page 11).

Channel Class – This option allows you to set the favorite channel. Use ▲▼ select the a channel and press **ENTER** to set the favorite class on each channel (shows **Fav** icon on top of the screen).



Channel Edit – This option allows you to edit the channels.

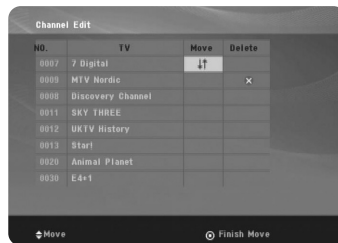
[Add]: This option allows you to add a new channel. Use ▲▼ to select the channel and press **ENTER** to add the selected channel.

[Select]: This option allows you to delete or move the preset channels.

To move the location of the preset channel, use ▲▼◀▶ to highlight the channel you want to move on the [Move] column and press **ENTER**.

Use ▲▼ to move the selected channel to the desired position and then press **ENTER** to complete move.

To delete a preset channel, use ▲▼◀▶ to highlight the channel you want to delete on the [Delete] column and press **ENTER**. The ✕ marked channel will not be displayed on the channel list. Press **ENTER** again to clear the ✕ mark.



Aspect Ratio – Selects the aspects ratio of the connected TV.

[4:3 PS]: Select this when connecting to a standard 4:3 screen TV and prefer the wide picture on the entire screen cuts off the portions that do not fit.

[4:3 LB]: Select this when connecting to a standard 4:3 screen TV and prefer the wide picture with bands on the upper and lower portions of the screen.

[16:9]: Select this when connecting to a wide-screen TV.

Antenna Feed 5V – If you are using an indoor antenna, use one with a signal amplifier rated at DC 5 V, 100 mA and set this option to [ON].

[ON]: Power is supplied to the connected antenna.

[OFF]: The unit does not supply power to the connected antenna.

Adjust the time settings ⌚

Set the channel that broadcasts a clock signal and the clock will be set automatically. If the clock that has automatically set is different with your local clock, you can adjust time using [Time Offset] option (For example, when summer time is started in local area.). Press ▶ to select [Time Offset] option. Press ▲▼ to select a value then press **ENTER** (Off, +/-30 min, +/-60 min, +/-90 min, +/-120 min). Select "Off" if the clock that has automatically set is identified with your local clock.

Adjust the lock settings 🔒

To access the Change Pin, Channel Lock, Parental Guidance options, you must enter the 4-digit password. If you have not yet entered a password you are prompted to do so. Enter a 4-digit password. Enter it again to verify. If you make a mistake while entering number, press **CLEAR** to delete numbers. If you forget your password, you can reset it. Display the **SETUP** menu. Input '210499' and press **ENTER**. The password has now been cleared.

Change Pin – Changes the password.

Enter the new password twice after entering the current password.

Channel Lock –You can lock certain unsuitable channels to prevent children from accessing them, use ▲▼ to select a channel you want to lock and then press **ENTER** to lock the channel. If you want to watch a locked channel. You should input the password.

Parental Guidance – Blocks TV programs that you or your family may not wish to watch, based on the rating scheme set. Select a rating then press **ENTER**.

[3 Years] - [18 Years]: Rating [3 Years] has the most restrictions and rating [18 Years] is the least restrictive.
[Blocking Off]: Permits all programs.

Adjust the others settings

OTA (Over the Air) – Your unit is able to keep the built-in digital tuner up to date with the latest software. The unit does it automatically at regular interval. While the unit is in updating, there may have a disruption in reception for a few hours. The reception should return to normal after the update is complete. This unit must be plugged into AC power to receive updates. Do not unplug your unit while an update is in progress. The update is not available during viewing digital text or EPG menu.

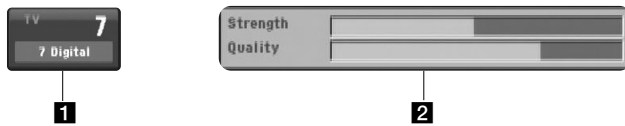
[ON] : Updates the software when this unit is turned on.

[OFF] : Select this if you do not want to do not use this function.

Default Setting – You can reset the unit to its original factory settings. Press **ENTER** while [Select] option is selected. Select [Yes] on the pop-up message to return to the default setting.

Displaying the channel information

In DVB-T or DAB mode, press **DISPLAY** to display the information displayed on-screen. If you press **DISPLAY** twice, the signal strength and quality will appear on the screen.



1 Indicates channel number, station name.

2 Indicates the channel signal strength, quality.

Changing the Channel

Use **CH - / +** on the remote control to change the channel in memory to select a channel directly.

Changing the Channel with Channel list

You can display channel list using the **CH LIST** button and switch into other channel on the channel list.



In DVB-T or DAB mode, press **CH LIST** to display the channel list. Select your desired channel using the **▲ ▼** and press **ENTER** to change another channel.

You can switch the channel list to All or Favorite by pressing **◀ ▶**.

Using the digital EPG

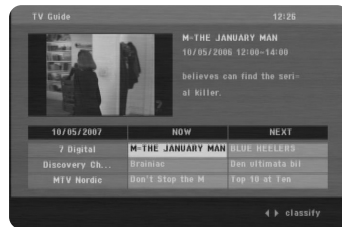
	ON REMOTE
1 Select the DVB-T or DAB mode:	MODE
2 Displays the EPG menu:	EPG
3 Select a program:	▲▼◀▶
4 Exit the EPG menu:	EPG or RETURN

Using the digital EPG - more you can do

About the digital EPG

The digital EPG shows a table of scheduled digital TV programs and detailed information about individual program. The digital EPG screen consists of program information, channel list and general program list.

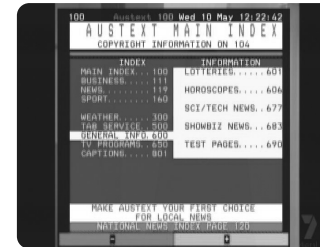
Note that the unit's clock must be set to the correct time and date to ensure all relevant EPG information is displayed.



Viewing a Teletext service

Teletext is a free broadcasting service by some TV stations which gives up-to-the-minute information on news, weather, television programs, share prices and many other topics.

The unit gives you access to teletext which is greatly improved in various aspects such as text and graphics. This teletext can be accessed by special teletext services and specific services which broadcast teletext.



In DVB-T mode, use numbered (0-9) buttons or **CH - / +** on the remote control to change the channel which broadcast teletext. Press **TEXT** to access on the teletext.

Follow the indications on teletext and move onto the next or previous step by pressing color (Red or Green) or **▲▼** buttons.

Press **TEXT** or **RETURN** (↵) to turn the teletext off and return to TV viewing.

Selecting teletext page

Enter the desired page number as a three digit number with the numbered buttons. If during selection you press a wrong number, you must complete the three digit number and then enter the correct page number again.

Use Red/Green buttons to move up and down pages.

Special Teletext Functions

MIX button – Displays the teletext pages superimposed on the TV picture. To switch the TV picture off press this button again.










INDEX button – The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

Displaying Disc Information

	ON REMOTE
1 Select the disc mode:	MODE
2 Press DISPLAY:	DISPLAY
3 Select a item:	▲▼
4 Adjust the Display menu settings:	◀▶ / ENTER
5 To return the exit:	DISPLAY

Displaying Disc Information - more you can do

You can select an item by pressing ▲▼ and change or select the setting by pressing ▶◀ or using the numbered buttons (0-9).

 1/7	Current title (or track) number/total number of titles (or tracks)
 01/14	Current chapter number/total number of chapters
 C 0:02:18	Elapsed playing time
 T 0:49:07	Selected total time of current title/file
 1. ENG	Selected audio language or channel
 DDD	
 2/0 CH	
 0ff	Selected subtitle
 1/1	Selected angle/total number of angles

Symbol Used in this Manual

ALL	All discs and file listed below	ACD	Audio CDs
DVD	DVD and finalized DVD±R/RW	CD-G	CD-G discs
MP3	MP3 files	DivX	DivX files
WMA	WMA files		

Playing a Disc

	ON REMOTE
1 Select the disc mode:	MODE
2 Open the disc tray:	▲ OPEN/CLOSE
3 Insert a Disc:	-
4 Close the disc tray:	▲ OPEN/CLOSE
5 Start playback:	▶ PLAY
6 To stop playback:	■ STOP

Playing a Disc - more you can do

Stops the playback

The unit records the stopped point depending on the disc. "■■■" appears on the screen briefly. Press **PLAY** (▶) to resume playback (from the scene point). If you press **STOP** (■) again or unload the disc ("■" appears on the screen), the unit will clear the stopped point.

(■■■ = **Resume Stop**, ■ = **Complete Stop**) The resume point may be cleared when a button is pressed (for example : POWER, OPEN/CLOSE, etc).

Playing a DVD that has a menu **DVD**

Most DVD now have menus which load first before the film begins to play. You can navigate these menus using ▲▼▶◀ or number button to highlight an option. Press **ENTER** to select.

Playing a DVD VR disc

This unit will play DVD-RW disc that is recorded using the Video Recording (VR) format. When you insert a DVD VR disc, the menu will appear on the screen. Use ▲▼ to select a title then press **PLAY** (▶). To display DVD-VR menu, press **DVD MENU** or **TITLE**.

Some DVD-VR disc are made with CPRM data by DVD RECORDER. Player does not support these kinds of discs.

Skip to the next/previous chapter/track/file **ALL**

Press **SKIP** (▶▶) to move to the next chapter/track/file.

Press **SKIP** (◀◀) to return to the beginning of the current chapter/track/file.

Press **SKIP** (◀◀) twice briefly to step back to the previous chapter/track/file.

Playing a DivX movie file

You can enjoy the high quality images such as HD DivX file (720p) with this unit.

	ON REMOTE
1 Select the disc mode:	MODE
2 Open the disc tray:	▲ OPEN/CLOSE
3 Insert a disc:	-
4 Close the disc tray:	▲ OPEN/CLOSE
5 Select a movie file from the menu: To go directly to file, enter the file number using the numbered buttons (0-9).	▲▼, DVD MENU
6 Start playback:	▶ PLAY
7 To stop playback:	■ STOP

Playing DivX movie file - more you can do

Changing the character set to display DivX subtitle correctly

Press and hold **SUBTITLE** for 3 seconds during playback. The language code will appear. Press ◀▶ to select another language code until the subtitle is displayed properly and then press **ENTER**.

DivX file requirement

DivX file compatibility with this player is limited as follows:

- Available resolution size: 1280 x 720 (W x H) pixel
- The file names of DivX and subtitle are limited to 37 characters
- DivX file extensions: ".avi", ".mpg", ".mpeg"
- Playable DivX subtitle: SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), SubViewer 2.0 (.sub/.txt), TMPlayer (.txt), DVD Subtitle System (.txt)
- Playable Codec format: "DIVX3.xx", "DIVX4.xx", "DIVX5.xx", "MP43", "3IVX"
- Only the playback function is supported with DivX 6.0 in the unit
- Playable Audio format: "Dolby Digital", "PCM", "MP3", "WMA"
- Sampling frequency: within 8 to 48 kHz (MP3), within 32 to 48 kHz (WMA)
- Bit rate (MP3/WMA): within 8 to 320 kbps (MP3), within 32 to 192 kbps (WMA)
- Bit rate (DivX file): less than 7.2 Mbps (CD-R/RW)
less than 9.7 Mbps (USB Flash Drive, DVD±R/RW)
- CD-R/RW, DVD±R/RW Format: ISO 9660
- Maximum Files/Folders: Less than 600 (total number of files and folders)
- This unit can support a DivX file size up to 4 GB.

- This player does not support the file that are recorded with GMC*1 or Qpel**2. Those are video encoding techniques in MPEG4 standard, like DivX have.

*1 GMC - Global Motion Compensation

*2 Qpel - Quarter pixel

Listening to Music Disc or files

	ON REMOTE
1 Select the disc mode:	MODE
2 Open the disc tray:	▲ OPEN/CLOSE
3 Insert a disc:	-
4 Close the disc tray:	▲ OPEN/CLOSE
5 Select a music from the menu: To go directly to track/file, enter the track/file number using the numbered buttons (0-9).	▲▼, DVD MENU
6 Start playback:	▶ PLAY
7 To stop playback:	■ STOP

Listening to Music Disc or files - more you can do

Creating your own program

You can play the contents of a disc in the order you want by arranging the order of the musics on the disc. To add a music(s) on the program list, press

PROGRAM to enter the program edit mode (Ⓢ mark appears on the menu). Select a desired music on the [List] then press **ENTER** to add the music to the program list. Select a music from the program list then press **ENTER** to start programmed playback. To clear a music from the program list, select the music you want to clear then press **CLEAR** in program edit mode. To clear all music from the program list, select [Clear All] then press **ENTER** in program edit mode. The program is cleared when the disc is removed or the unit is turned off.

Playing an CD-G disc

Once you insert an CD-G disc, a menu appears on the screen. Use **▲▼** to select a track then press **PLAY (▶)**. To display the CD-G menu during playback, press **STOP (■)** twice. You can display the setup menu by pressing **SETUP** only when CD-G menu appears on the TV screen.

Displaying file information (ID3 TAG)

While playing a MP3 file containing file information, you can display the information by pressing **DISPLAY** repeatedly.

MP3/WMA music file requirement

MP3/WMA compatibility with this unit is limited as follows:

- File extensions: “.mp3”, “.wma”
- Sampling frequency: within 8 to 48 kHz (MP3), within 32 to 48 kHz (WMA)
- Bit rate: within 8 to 320 kbps (MP3), within 32 to 192 kbps (WMA)
- CD-R/RW, DVD±R/RW Format: ISO 9660
- Maximum Files/Folders: Less than 600 (total number of files and folders)

Tip:

Press and hold **▲▼** to move previous or the next page.

Viewing photo files

	ON REMOTE
1 Select the disc mode:	MODE
2 Open the disc tray:	▲ OPEN/CLOSE
3 Insert a disc:	-
4 Close the disc tray:	▲ OPEN/CLOSE
5 Select a photo file on the menu: To go directly to file, enter the file number using the numbered buttons (0-9).	▲▼, DVD MENU
6 Display the selected file in full screen:	▶ PLAY
7 To return to the menu:	■ STOP

Viewing photo files - more you can do

Viewing photo files as a slide show

Use **▲▼◀▶** to highlight (■) icon then press **ENTER** to start slide show. You can change slide show speed using **◀▶** when (■) icon is highlighted.

Skip to the next/previous photo

Press **SKIP (◀◀ or ▶▶)** to view the previous/next photo.

Rotate a photo

Use **▲▼** to rotate the photo in full screen counterclockwise or clockwise while viewing a photo in full screen.

Pause a slide show

Press **PAUSE/STEP (||)** to pause a slide show. Press **PLAY (▶)** to continue the slide show.

Listening to music during slide show

You can listen to music during slide show, if the disc contain music and photo files together. Use **▲▼◀▶** to highlight (■) icon then press **ENTER** to start slide show.

Watching an enlarged photo image

While viewing a photo in full screen, press **ZOOM** repeatedly to select zoom mode. You can move through the zoomed photo using **▲▼◀▶** buttons. Press **CLEAR** to exit.

Photo file requirement

JPEG file compatibility with this unit is limited as follows:

- File extensions: “.jpg”
- Photo size: Less than 2 M recommended
- CD-R/RW, DVD±R/RW Format: ISO 9660
- Maximum Files/Folders: Less than 600 (total number of files and folders)

USB Direct Recording

Connect USB Flash Drive to the unit before recording.
Set [REC Bit Rate] option as required. (See page 10)

	ON REMOTE
1 Select the disc mode:	MODE
2 Insert an Audio CD:	-
3 Select a track: To go directly to track, enter the track number using the numbered buttons (0-9).	▲▼, DVD MENU
4 Start recording:	⏪ AUDIO
5 To stop recording:	■ STOP

Recordable mode

You can record one desired track or all of the tracks in Audio CD to USB Flash Drive.

- For track recording: Press **AUDIO** in play, pause or resume stop mode.
- For disc recording: Press **AUDIO** in complete stop mode.
- For program list recording: In stop mode, press **AUDIO** after selecting a track on the program list.

Notes an USB direct Recording

- The recording is available only for Audio CD tracks.
- If you use this function, the "CD_REC" folder will be created automatically in the USB Flash Driver then the music file(s) is saved in it.
- If you remove USB Flash Drive, turn off or open the unit while recording, it can make a malfunction.
- If the remaining space on the USB Flash Drive is insufficient, the recording is not available. To increase the free space, delete files in it using your PC.
- CD-G disc and Audio CDs encoded in DTS cannot be recorded.
- External HDD, Multi Card reader, Multi Partition USB, Locked device and MP3 player are not supported.
- You can set the recording speed pressing **AUDIO** during USB direct recording.
 - X1 Track: While normal speed recording, you can listen to the music.
 - X4 Track: While 4X speed recording, you can not listen to the music.

- Recording format: MP3 file
- Encoding Bit rate: 128 Kbps / 160 Kbps / 192 Kbps / 256 Kbps / 320 Kbps
- Maximum Files/Folder: Less than 600 (total number of files and folders)

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence.
This equipment should not be used for such purposes.

Be responsible Respect copyrights

Using a USB Flash Drive

You can play MP3/WMA/JPEG/DivX in the USB Flash Drive with version 2.0/1.1.

	ON REMOTE
1 Select the disc mode:	MODE
2 Connect an USB Flash Drive to the USB port on the unit:	-
3 Display the menu screen in stop mode:	↩ RETURN
4 Select a file: To go directly to a file, enter the file number using the numbered buttons (0-9).	▲▼, DVD MENU
5 Play the file:	▶ PLAY
6 Remove the USB Flash Drive:	-

Notes on USB Flash Drive

- You can switch USB and DISC mode by pressing **RETURN (↩)** only in stop mode.
- Do not extract the USB Flash Drive in operating.
- Regular back up is recommended to prevent data loss.
- If you use an USB extension cable or USB HUB, the USB device might not be recognized.
- Music files (MP3/WMA), photo files (JPEG) and DivX files can be played. For details of operations on each files, refer to relevant pages.
- This unit is not supported when the total number of files is more than 600.
- Bit rate: within 8 - 320 kbps (MP3), within 32 - 192 kbps (WMA), less than 6 Mbps (DivX file)
- The USB function of this unit does not support all kinds of USB devices.
- Digital camera and mobile phone are not supported.
- USB port of the unit can not be connected to PC. The unit can not be used as a storage device.

Setting up the remote to control your TV

You can operate your TV with the supplied remote control. If your TV is listed in the table below, set the appropriate manufacturer code.

While holding down TV POWER button, and press the manufacturer code for your TV with the numerical buttons (see the table below). Release the TV POWER button to complete setting.

Manufacturer	Code Number
LG / GoldStar	1 (Default), 2
Zenith	1, 3, 4
Samsung	6, 7
Sony	8, 9
Hitachi	4

Depending on your TV, some or all buttons may not function on the TV, even after entering the correct manufacturer code. When you replace the batteries of the remote, the code number you have set may be reset to the default setting. Set the appropriate code number again.

Language Codes

Use this list to input your desired language for the following initial settings: Disc Audio, Disc Subtitle, Disc Menu.

Language	Code	Language	Code	Language	Code	Language	Code	Language	Code	Language	Code
Afar	6565	Croatian	7282	Hausa	7265	Lingala	7678	Quechua	8185	Tajik	8471
Afrikaans	6570	Czech	6783	Hebrew	7387	Lithuanian	7684	Rhaeto-Romance	8277	Tamil	8465
Albanian	8381	Danish	6865	Hindi	7273	Macedonian	7775	Rumanian	8279	Telugu	8469
Ameharic	6577	Dutch	7876	Hungarian	7285	Malagasy	7771	Russian	8285	Thai	8472
Arabic	6582	English	6978	Icelandic	7383	Malay	7783	Samoan	8377	Tonga	8479
Armenian	7289	Esperanto	6979	Indonesian	7378	Malayalam	7776	Sanskrit	8365	Turkish	8482
Assamese	6583	Estonian	6984	Interlingua	7365	Maori	7773	Scots Gaelic	7168	Turkmen	8475
Aymara	6588	Faroese	7079	Irish	7165	Marathi	7782	Serbian	8382	Twì	8487
Azerbaijani	6590	Fiji	7074	Italian	7384	Moldavian	7779	Serbo-Croatian	8372	Ukrainian	8575
Bashkir	6665	Finnish	7073	Japanese	7465	Mongolian	7778	Shona	8378	Urdu	8582
Basque	6985	French	7082	Kannada	7578	Nauru	7865	Sindhi	8368	Uzbek	8590
Bengali; Bangla	6678	Frisian	7089	Kashmiri	7583	Nepali	7869	Singhalese	8373	Vietnamese	8673
Bhutani	6890	Galician	7176	Kazakh	7575	Norwegian	7879	Slovak	8375	Volapük	8679
Bihari	6672	Georgian	7565	Kirghiz	7589	Oriya	7982	Slovenian	8376	Welsh	6789
Breton	6682	German	6869	Korean	7579	Panjabi	8065	Spanish	6983	Wolof	8779
Bulgarian	6671	Greek	6976	Kurdish	7585	Pashto, Pushto	8083	Sudanese	8385	Xhosa	8872
Burmese	7789	Greenlandic	7576	Laotian	7679	Persian	7065	Swahili	8387	Yiddish	7473
Byelorussian	6669	Guarani	7178	Latin	7665	Polish	8076	Swedish	8386	Yoruba	8979
Chinese	9072	Gujarati	7185	Latvian, Lettish	7686	Portuguese	8084	Tagalog	8476	Zulu	9085

Area Codes

Choose an area code from this list.

Area	Code	Area	Code	Area	Code	Area	Code	Area	Code	Area	Code
Afghanistan	AF	Costa Rica	CR	Greenland	GL	Maldives	MV	Paraguay	PY	Sri Lanka	LK
Argentina	AR	Croatia	HR	Hong Kong	HK	Mexico	MX	Philippines	PH	Sweden	SE
Australia	AU	Czech Republic	CZ	Hungary	HU	Monaco	MC	Poland	PL	Switzerland	CH
Austria	AT	Denmark	DK	India	IN	Mongolia	MN	Portugal	PT	Taiwan	TW
Belgium	BE	Ecuador	EC	Indonesia	ID	Morocco	MA	Romania	RO	Thailand	TH
Bhutan	BT	Egypt	EG	Israel	IL	Nepal	NP	Russian Federation	RU	Turkey	TR
Bolivia	BO	El Salvador	SV	Italy	IT	Netherlands	NL	Saudi Arabia	SA	Uganda	UG
Brazil	BR	Ethiopia	ET	Jamaica	JM	Netherlands Antilles	AN	Senegal	SN	Ukraine	UA
Cambodia	KH	Fiji	FJ	Japan	JP	New Zealand	NZ	Singapore	SG	United States	US
Canada	CA	Finland	FI	Kenya	KE	Nigeria	NG	Slovak Republic	SK	Uruguay	UY
Chile	CL	France	FR	Kuwait	KW	Norway	NO	Slovenia	SI	Uzbekistan	UZ
China	CN	Germany	DE	Libya	LY	Oman	OM	South Africa	ZA	Vietnam	VN
Colombia	CO	Great Britain	GB	Luxembourg	LU	Pakistan	PK	South Korea	KR	Zimbabwe	ZW
Congo	CG	Greece	GR	Malaysia	MY	Panama	PA	Spain	ES		

Troubleshooting

Symptom	Cause	Correction
No power.	The power cord is disconnected.	Plug the power cord into the wall outlet securely.
The power is on, but the unit does not work.	No disc is inserted.	Insert a disc.
No picture.	The TV is not set to receive the signal from the unit.	Select the appropriate video input mode on the TV.
	The video cable is not connected securely	Connect the video cable securely.
	The channel is not found or stored.	Check your antenna connection.
No sound.	The equipment connected with the audio cable is not set to receive the signal from the unit.	Select the correct input mode of the audio amplifier.
	The AUDIO options are set to the wrong position.	Set the AUDIO settings to the correct position.
The unit does not start playback.	An unplayable disc is inserted.	Insert a playable disc. (Check the disc type and regional code.)
	The rating level is set.	Change the rating level.
The remote control does not work properly.	The remote control is not pointed at the remote sensor on the unit.	Point the remote control at the remote sensor of the unit.
	The remote control is too far from the unit.	Operate the remote control closer to the unit.

Specifications

General

Power requirements	AC 200 - 240 V, 50 / 60 Hz
Power consumption	11 W
Dimensions (Approx.)	(430 x 35 x 195) mm (W x H x D) without foot
Net Weight (Approx.)	1.7 kg
Operating temperature	5 °C to 35 °C
Operating humidity	5 % to 90 %
Laser	Semiconductor laser
Television system	DVB-T Standard Compliant
Signal system	PAL / NTSC

Inputs

USB IN	4 pin (USB 2.0 / 1.1 standard)
Bus power supply	DC 5 V --- 200 mA
ANTENNA IN	Antenna input, 75 Ω

Outputs

Video Output	1.0 V (p-p), 75 Ω, sync negative, RCA jack (L, R) x 1 / SCART(TO TV)
Component Video Output	(Y) 1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1 (Pb)/(Pr) 0.7 V (p-p), 75 Ω, RCA jack x 2
HDMI Video/Audio Output	19 pin(HDMI standard, Type A, Version 1.2)
Audio Output	2.0 Vrms (1 kHz, 0 dB), 600 Ω, RCA jack (L, R) x 1 / SCART(TO TV)
Digital Output (Coaxial)	0.5 V (p-p), 75 Ω, RCA jack x 1

Accessories

Video/Audio cable, Remote Control, Battery, RF cable

Designs and specifications are subject to change without prior notice.



As an ENERGY STAR® Partner, LG has determined that this product or product models meet the ENERGY STAR® guidelines for energy efficiency.

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