LG

Life's Good

RBD154K (RBD154K, RBS154V)

ENGLISH

```
*MFL68800713*
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Safety Precaution

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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 shall be never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product shall not be placed in a builtin 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.

CLASS 1   LASER PRODUCT
KLASSE 1   LASER PRODUKT
LUOKAN 1   LASER LAITE
KLASS 1   LASER APPARAT
CLASSE 1   PRODUIT LASER
KELAS 1   PRODUK LASER

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.

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

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.

The Power Plug is the disconnecting device. In case of an emergency, the Power Plug must remain readily 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.

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.
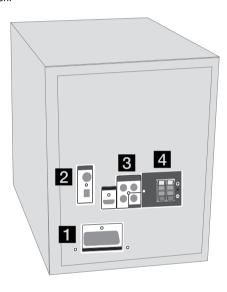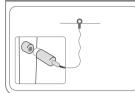
Contents

Hooking up the unit

Connect jacks on the unit and your TV (Digital Device and etc.) using the cables. Check the jack of connection as follows.
Picture quality improves in order from Video out connection to Component video connection.
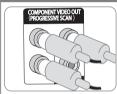

1 SCART connection

Connect the TO TV jack on the unit and your TV using the SCART cable. You can enjoy audio from an external source through your unit. Press **FUNC.(FUNCTION)** repeatedly to select **TV-AUDIO**.

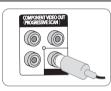### 2 FM connection

FM - Connect the FM aerial.
The reception will be its best when the two loose ends of the aerial are in a straight and horizontal line.

3 Component Video connection
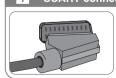
Connect the COMPONENT VIDEO (PROGRESSIVE SCAN) OUTPUT jacks on the unit to the corresponding input jacks on your TV using a Y PB PR cable.

Video Out connection

Connect the VIDEO OUTPUT (MONITOR) jack on the unit to the corresponding input jack on your TV using a Video cable.

4 Connect the speaker's wires to the unit.
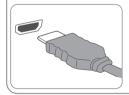
Connect the black end of each wire to the terminals marked - (minus) and the other end to the terminals marked + (plus).

To connect the cable to the each speakers, press each plastic finger pad to open the connection terminals on the back of each speaker. Insert the wire and release the finger pad.

Hooking up the unit - For High Definition Resolution

HDMI out connection

Connect the HDMI OUTPUT jack on the unit to the HDMI input jack on a HDMI compatible TV using a HDMI cable.
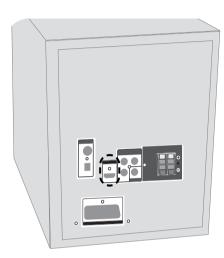
Resolution Setting

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

• For 720p 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.

You can set 1080p video resolution to enjoy Full HD picture quality. (Full HD up-scaling)

Available resolution according to connection

[HDMI OUT] : 1080p, 1080i, 720p, 480p (or 576p)
[COMPONENT VIDEO OUT] : 480p (or 576p) and 480i (or 576i)
[VIDEO OUT] : 480i (or 576i)
[SCART] : 576i

Notes on HDMI Out connection

• If your TV does not accept your resolution setting, abnormal picture appears on the screen.("TV does not support" will appears in screen)
  Please read owner's manual for TV, and then set the resolution that your TV can accept.
• 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 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.
• If the volume bar is not displayed on TV screen, when you select Simplink to off on TV, restart the unit.

5

Main unit

1 USB Direct Recording

2 USB Connecter

3 **0-9 Numerical buttons**
Selects numbered options in a menu.

4 ⏻/I Turn ON/ OFF.

5 Display window

6 **</>** Auto Tuning/ SCAN
+/- Volume control
<</>> Scanning
▷⏸ Play/Pause
□ Stop playback or recording

7 **MIC VOLUME**
Adjust microphone volume.

8 **FUNC.**(Function)
Selects the function.
DEMO
In power off state, to demonstrate the function on display window. To cancel it, press ⏻/I or this button again.
EQ. (Equalizer)
You can choose fixed sound impression.
XDSS plus
Reinforce the treble, bass and surround effect.
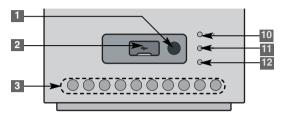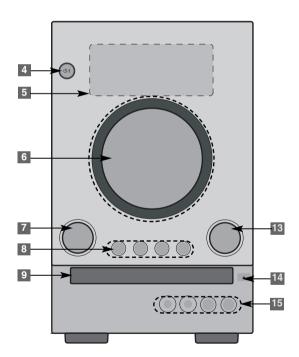
9 Disc tray

10 **CLOCK**
(See "Setting the Clock")

11 **TIMER**
(See the "Using your player as an alarm clock")

12 **SET**
Confirms the settings.
(TIMER/ CLOCK)

13 **ECHO VOLUME**
Adjust microphone echo volume.

14 ⏏ **EJECT**

15 **PHONES**
Headphone jack
PORTABLE IN
For connecting a portable device and playing it through this system's speakers.
MIC 1, 2
Microphone Jack 1,2

Precaution in using the touch buttons
- Use the touch buttons with clean and dry hands. In a humid environment, wipe out any moisture on the touch buttons before using.
- Do not press the touch buttons hard to make it work. If you apply too much strength, it can damage the sensor of the touch buttons.
- Touch the button that you want to work in order to operate the function correctly.
- Be careful not to have any conductive material such as metallic object on the touch buttons, and it can cause malfunctions.

Remote control

1

FUNCTION: Selects the function.

SLEEP: Sets the System to turn off automatically at a specified time. (Dimmer : Dims the LED (Light-emitting diode) of front panel by half in power-on status.)

POWER: Switches the unit ON or OFF.

OPEN/CLOSE: Opens and closes the disc door.

TITLE: If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may not appear.

DISPLAY: Accesses On-Screen Display.

MENU: Accesses the menu on a DVD disc.

SETUP: Accesses or removes setup menu

PRESET (Λ V): Selects programme of Radio.
TUN.(-/+): Tunes in the desired radio station.

Λ V < > (left/ right/ up/ down): Used to navigate on-screen displays.

ENTER: Acknowledges menu selection.

2

RETURN ( ): Moving backwards in the menu.

REC (●)**:** USB Direct Recording

STOP (■): Stops playback or recording.

PLAY (▶), MO./ST.: Starts playback. Selects Mono/Stereo

PAUSE/STEP (Ⅱ): Pause playback

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

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

TEMPO(-/+): This function enable you to fast play or slow the music speed in KARAOKE mode

KEY CON(b/#): This function can change the key to suit your vocal range.

Put the battery into the remote control

Make sure that the + (plus) and – (minus) on the battery match those on the remote control.

3

TONE CONTROL ( ): Adjust man's or woman's key in the karaoke mode.

REPEAT: To select a play mode.(Random, Repeat)

MUTE : To mute the sound.

VOL(Volume) (+/-): Adjusts speaker volume.

LG EQ: You can select a Natural or Local Specialization equalizer effect.

EQ(EQUALIZER): You can choose sound impressions.

CLEAR: Removes a track number on the Program List.

S-TITLE: During playback,you can select a desired subtitle language .

SHADOW: It will be highlighted by background shadow image.

0-9 numerical buttons: Selects numbered options in a menu.

4

TV Control buttons: Controls the TV. (LG TV only)

Controlling the TV.

You can control the sound level, input source, and power switching of LG TVs as well. Hold POWER (TV) and press PR/CH (+/–) button repeatedly until the TV turns on or off.

PROG./MEMO.: Accesses or removes Program menu.
ECHO VOL.: Adjusts echo volume.

MIC VOL.: Adjusts microphone volume.

VOCAL FADER: You can enjoy the function as karaoke, by reducing singer vocal of music in the various source.

RESOLUTION : Sets the output resolution for HDMI and COMPONENT VIDEO OUT jacks.

Initial Setting the Area Code

When you use this unit for the first time, you have to set the Area Code as shown below.

	ON REMOTE
1 **Display setup menu**	**SETUP**
2 **Select LOCK menu on the first level**	**∧ ∨**
3 **Move to second level** The activated Area Code appears on the second level.	**>**
4 **Move to the third level**	**>**
5 **Enter a new password**	**numerical buttons (0-9) and ENTER**
6 **Recheck the entered new password**	**numerical buttons (0-9) and ENTER**
7 **Select a code for a geographic area** After select, Rating and Password will be activated. (Page 19)	**∧ ∨ < > and ENTER**
8 **To confirm what you press** Make sure to finish setting the Area Code before leaving the setup menu if you cannot set the rating and Password	**ENTER**

Adjusting the general settings

	ON REMOTE
1 **Display setup menu**	**SETUP**
2 **Select a desired option on the first level**	**∧ ∨**
3 **Move to the second level**	**>**
4 **Select a desired option on the second level**	**∧ ∨**
5 **Move to the third level**	**>**
6 **Change the setting**	**∧ ∨, ENTER**

Adjusting the general settings - More you can do

Adjusting the language settings

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

Disc Audio/ Disc Subtitle/ Disc Menu – Select a language for the Disc Audio/ Disc Subtitle/ Disc 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 in the reference chapter (Page 19). If you make a mistake before pressing **ENTER**, press **CLEAR**.
[Off] (for Disc Subtitle) : Turn off Subtitle.

Adjusting 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 jacks on the unit.
- If you change TV Output Select to RGB from YPbPr on the setup menu especially when connecting the unit in the way of component video connection, the screen turns black. In that case, connect the video cable to MONITOR jack and select YPbPr on the setup menu again.

Adjusting the audio settings

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

Vocal – Select [On] to mix karaoke channels into normal stereo. This function is effective for multi-channel karaoke DVDs only.

HD AV Sync - Sometimes Digital TV encounters a delay between picture and sound. If this happens you can compensate by setting a delay on the sound so that it effectively 'waits' for the picture to arrive: this is called HD AV Sync. Use ∧ ∨ (on the remote control) to scroll up and down through the delay amount, which you can set at anything between 0 and 300m sec.

Adjusting the lock settings

To access the lock options, you must enter the 4-digit password. If you have not yet entered a password you are prompted to do so.
1 Enter a 4-digit password then press **ENTER**.
2 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.
1 Remove the disc in the unit.
2 Press **SETUP** to display the Setup menu. Input '210499' and press **ENTER**. The password has now been cleared.

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-digit 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 the Area Codes on page 19.

Adjusting the others settings

DivX(R) Registration – 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 [DivX(R) VOD] is highlighted and you can view the registration code of the unit.

Semi Karaoke – When a chapter/ title/ track is fully finished, this function shows the score in the screen with a fanfare sound.
Available discs for the Semi Karaoke function: DVD discs/ DVD Karaoke Discs
  [On] : When you finished singing a score will appear on the screen.
  [Off] : Fanfare and score do not appears on the screen.
  - This function operate on the DVD/CD mode.
  - The Semi Karaoke function is available only when a microphone is connected.
  - In case that a fanfare or score appears when a chapter of a movie file is changed during playback, set the Semi Karaoke to "Off" at the setup menu or disconnect the microphone.

SSR (Real Time Score) - This function will be shown the Score to real time by checking interval and beat during sing a song in the karaoke mode only.
Select the **[On]** : Score bar shows while checking the interval and beat.
Select the **[Off]** : Score bar are not display on the screen.
- This function is not supported the Semi karaoke mode.

Enjoying a pre-programmed sound field

The system has a number of pre-set surround sound fields. You can select a desired sound mode by using **EQ/ LG EQ**.
The displayed items for the Equalizer may be different depencling on sound sources and effects.

ON DISPLAY	Description
NATURAL	You can enjoy comfortable and natural sound.
Local Specialization equalizer	Regionally optimized sound effect.(DANGDUT/ ARABIC/ PERSIAN/ INDIA/ REGUETON/ SALSA/ SAMBA/ MERENGUE)
AUTO EQ	Realizes the sound equalizer that is the most similar to the genre of which is included in the MP3 ID3 tag of song files.
ROCK POP JAZZ CLASSIC	This program lends an enthusiastic atmosphere to the sound, giving you the feeling you are at an actual rock pop, jazz or classic concert.
MP3 OPT	This function is optimized for compressible MP3/WMA file. It improves the bass sound.
XDSS	Reinforce the treble, bass and surround sound effect.
VIRTUAL	You can enjoy more virtual surround sound.
NORMARL (off)	You can enjoy the sound without equalizer effect.

Setting the Clock

	ON PLAYER
1 Turn the power on	⏻/	
2 Press for at least 2 seconds	**CLOCK**
3 Choose from either AM 12:00 (for an AM and PM display) or 0:00 (for a 24 hour display)	**< >**
4 Confirm your selection	**SET**
5 Select the hours	**< >**
6 Press	**SET**
7 Select the minutes	**< >**
8 Press	**SET**

Using your player as an alarm clock
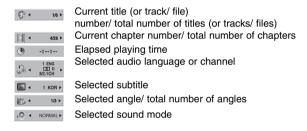
1 Press and hold **TIMER.** Each functions flashes.
2 Press **SET** when the function you want to be woken by is showing.
3 Choose one of them by pressing the **SET**.
4 "ON TIME" will be displayed. This is where you set the time you want the alarm to start. Use **< >** to change the hours and minutes and **SET** to save.
5 The "OFF TIME" will be displayed. This is where you set the time you want the function to stop.
6 Use **< >** to change the hours and minutes and press **SET** to save.
7 You will be shown the volume (VOL) you want to be woken by. Use **< >** to change the volume and **SET** to save. Switch the system off. The clock icon "🕐" shows that the alarm is set.
8 When the system is turned off you can check the time the alarm and turn the alarm on and off by pressing **TIMER**.

Displaying Disc Information

	ON REMOTE
1 Press DISPLAY	DISPLAY
2 Select an item	∧ ∨
3 Adjust the Display menu settings	< >
4 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 **< >**.

1/6	Current title (or track/ file) number/ total number of titles (or tracks/ files)
4/26	Current chapter number/ total number of chapters
-:--:--	Elapsed playing time
1 ENG D 3/2.1CH	Selected audio language or channel
1 KOR	Selected subtitle
1/3	Selected angle/ total number of angles
NORMAL	Selected sound mode

Symbol Used in this Manual

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

Playing a Disc or file

	ON REMOTE
1 Insert a disc on unit	⏏ OPEN/CLOSE
2 Select a DVD/CD	FUNCTION
3 Adjust the menu settings or Select a file from the menu	∧ ∨ < >
4 Start the Disc playing	▶ PLAY
5 To stop the Disc playing	■ STOP

Playing a Disc or file - More you can do

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

Most DVDs now have menus which load first before the film begins to play.
1 You can navigate these menus using ∧ ∨ < > to highlight an option.
2 Press **PLAY** to select.

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

Press **SKIP** (▶▶I) to move to the next chapter/ track/ file.
Press **SKIP** (I◀◀) to return to the beginning of the current chapter/ track/ file.
Press **SKIP** (I◀◀) twice briefly to step back to the previous chapter/ track/ file.

Pausing playback **ALL**

1 Press **PAUSE/STEP** (II) to pause playback.
2 Press **PLAY** (▶) to continue playback.

Frame-by-Frame playback **DVD** **DivX**

Press **PAUSE/STEP** (II) repeatedly to play title Frame-by-Frame.

Playing repeatedly or randomly **ALL**

Press **REPEAT** repeatedly, and the current title, chapter or track will be played back repeatedly or randomly.
To return to normal playback, press **REPEAT** repeatedly.
- Random play mode : only music files.

Fast forward or fast reverse `ALL`

Press **SCAN** (◄◄ or ►►) to play fast forward or fast reverse during playback. You can change the playback speed by pressing **SCAN** (◄◄ or ►►) repeatedly. Press **PLAY** (►) to continue play at normal speed.

Selecting a subtitle language `DVD` `DivX`

During playback, press **S-TITLE** repeatedly to select a desired subtitle language.

Slow down the playing speed `DVD`

While playback is paused, press **SCAN** (◄◄ or ►►) to slow down forward or reverse playback. You can change the various playback speed by pressing **SCAN** (◄◄ or ►►) repeatedly. Press **PLAY** (►) to continue play at normal speed.

1.5 times faster playback `DVD`

Press **PLAY** when a DVD is already playing to watch and listen to a DVD 1.5 times faster than normal playback speed. "► x1.5" will appear in the screen. Press **PLAY** again to return to normal playback speed.

Viewing the Title menu `DVD`

Press **TITLE** to display the disc's title menu, if available.

Starting play from selected time `DVD` `DivX`

Searches for the starting point of entered time code.
1 Press **DISPLAY** then select clock icon.
2 Enter a time then press **ENTER**.
For example, to find a scene at 1 hour, 10 minutes, and 20 seconds, enter "11020" by using numerical buttons and press **ENTER**. if you enter the wrong number, press **CLEAR** to enter again.

Last Scene Memory `DVD`

This unit memorizes the last scene from the last disc that is viewed. The last scene remains in memory even if you remove the disc from the player or switch off (Stand-by mode) the unit. If you load a disc that has the scene memorized, the scene is automatically recalled.

Mixed disc or USB Flash Drive – DivX, MP3/ WMA and JPEG

When playing a disc or USB Flash Drive containing with DivX, MP3/ WMA and JPEG files together, you can select menu of files which you would like to play by pressing **MENU**.

Changing the character set to display DivX® subtitle correctly `DivX`

1 If the subtitle does not display properly during playback, press and hold **S-TITLE** for about 3 seconds to display the language code menu.
2 Press **S-TITLE** repeatedly to change the language code until the subtitle is displayed properly.

DivX file requirement `DivX`

DivX disc compatibility with this player is limited as follows :
• Available resolution: within 800X600 (W x H) pixels
• The file name of the DivX subtitle should be entered within 45 characters.
• If there is impossible code to express in the DivX file, it may be displayed as " _ " mark on the display.
• **Frame rate : less than 30 fps**
• **If the video and audio structure of recorded files is not interleaved, either video or audio is outputted.**
• **Playable DivX file :** ".avi", ".mpg", ".mpeg", ".divx"
• **Playable Subtitle format :** SubRip (*.srt/ *.txt), SAMI (*.smi), SubStation Alpha (*.ssa/ *.txt), MicroDVD (*.sub/ *.txt), SubViewer 2.0 (*.sub/ *.txt), VobSub (*.sub)
• **Playable Codec format :** "DIVX3.xx", "DIVX4.xx", "DIVX5.xx", "MP4V3", "3IVX".
• **Playable Audio format :** "AC3", "PCM", "MP3", "WMA".
• Sampling frequency : within 32 - 48 kHz (MP3), within 32 - 48kHz (WMA)
• Bit rate: within 32 - 320kbps (MP3), 40 - 192kbps (WMA)
• For Discs formatted in Live file system, you can not it on this player.
• If the name of movie file is different from that of the subtitle file, during playback of a DivX file, subtitle may not be display.
• If you play a DivX file differ from DivXspec, it may not operate normally.

Creating your own program `MP3` `WMA`

You can play the contents of a disc in the order you want by arranging the order of the musics on the disc. The program is cleared when the disc is removed.
1 Select a desired music then press **PROG./MEMO**. or select " ♪→ " and then press **ENTER** to add the music to the program list.
2 To add all music in the disc, select " ♪♪→ " and then press **ENTER**.
3 Select a music from the program list then press **ENTER** to start programmed playback.
4 To clear a music from the program list, select the music you want to clear then press **CLEAR** or select " ♪🗑 " icon and then press **ENTER**.
To clear all music from the program list, select " ♪♪🗑 " then press **ENTER**.

Displaying file information (ID3 TAG) **MP3**

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

MP3/ WMA music file requirement **MP3** **WMA**

MP3/ WMA disc compatibility with this player is limited as follows :
- Sampling frequency : within 32 - 48 kHz (MP3), within 32 - 48kHz (WMA)
- Bit rate : within 32 - 320kbps (MP3), 40-192kbps (WMA)
- Support Version : v2, v7, v8, v9
- File extensions : ".mp3"/ ".wma"
- CD-ROM file format : ISO9660/ JOLIET
- We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.

Screen Saver

The screen saver appears when you leave the unit in Stop mode for about five minutes.

System Select - Optional

You must select the appropriate system mode for your TV system. If "NO DISC" appears in the display window, press and hold **PAUSE/STEP** (❚❚) for more than five seconds to be able to select a system. **(PAL/ NTSC)**

VOCAL FADER

You can enjoy the function as karaoke, by reducing singer vocal of music in the various source. (MP3/ WMA/ CD/ etc.) Press the **VOCAL FADER**, and "FADE ON" will appear in display window.
To cancel it, press **VOCAL FADER** again.
- This function is available to use only when a microphone is connected.
- The quality of the **VOCAL FADER** may be different depending on the recording conditions of music files.
- It is not available on the MONO mode.

Fall asleep while listening to your player

1 Press **SLEEP** one or more times to select delay time between 10 and 180 minutes, after the player will turn off.
2 To check the remaining time, press **SLEEP**.
3 To cancel the sleep function, press **SLEEP** repeatedly until "SLEEP 10" appears, and then press **SLEEP** once again while "SLEEP 10" is displayed.

Viewing photo files

	ON REMOTE
1 Insert a disc on unit	⏏ OPEN/CLOSE
2 Select a DVD/CD	FUNCTION
3 Select a photo file	Λ V
4 Display the selected file in full screen	► PLAY
5 To return to the menu	■ STOP

Viewing photo files - More you can do

Viewing photo files as a slide show

1 Use Λ V < > to highlight (�B) icon then press **PLAY** to start slide Show.

2 You can change slide show speed(3, 5, 8 seconds) using < > when (�B) icon is highlighted.

Skipping to the next/ previous photo

Press **SKIP** (I◄◄ or ►►I) or < > to view the previous/ next photo.

Rotating a photo

Use Λ V to rotate the photo in full screen counterclockwise or clockwise while viewing a photo in full screen.

Pausing a slide show

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

Photo file requirement

JPEG disc compatibility with this player is limited as follows :
- Normal: 5120 x 3840, Progressive jpeg: 2043 x 1536
- Recording condition: ISO9660 LEVEL 1/ JOLIET
- Maximum files : Under 999.
- Some discs may not operate due to a different recording format or the condition of disc.
- File extensions: ".jpg"

Listening to the radio

Be sure that FM aerial is connected.

	ON REMOTE
1 Turn the power on	**POWER**
2 Select FM	**FUNCTION**
3 Select a radio station	**TUN. -/+**
4 To 'save' a radio station A preset number will show in the display.	**PROG./MEMO.**
5 Select the preset number Up to 50 radio stations can be saved.	**PRESET ∧ ∨**
6 To confirm press	**PROG./MEMO.**
7 To select a 'saved' station input the preset number	**PRESET ∧ ∨**

Listening to the radio - More you can do

Looking for radio stations automatically

Press and hold **TUN.-**/ **TUN.+** for more than a second. The tuner will scan automatically and stop when it finds a radio station.

Deleting all the saved stations

1 Press and hold **PROG./MEMO.** for two seconds.
> "ERASE ALL" will flash up on the display.
2 Press **PROG./MEMO.** to erase all saved radio stations.

Improving poor FM reception

Press **PLAY (▶) (MO./ST.)** on the remote control. This will change the tuner from stereo to mono and usually improve the reception.

Listening to music from your portable player

The unit can be used to play the music from many types of portable player.

	ON REMOTE
1 Connect the portable player to the **PORT.IN(PORTABLE IN)** connector of the unit. PORT. IN (PORTABLE IN)	
2 Turn the power on	**POWER**
3 Select the PORTABLE function	**FUNCTION**
4 Turn the portable external device and start it playing	**-**

Using an USB device

You can enjoy media files saved on an USB device by connecting the USB device to the USB port of the unit.
If you want to operate other function, see the CD playback section.

	ON REMOTE
1 Connect the USB device to the USB port of the unit.	**-**
2 Select the USB function	**FUNCTION**
3 Select a file you want to play	**∧ ∨**
4 Start your media playing	**▶ PLAY**
5 To stop, press	**■ STOP**
6 Before disconnecting the portable USB device, change to any other function.	**FUNCTION**

Compatible USB Devices

• MP3 Player : Flash type MP3 player.
• USB Flash Drive : Devices that support USB2.0 or USB1.1.
• The USB function of this unit does not support all USB devices.

USB device requirement

• Devices which require additional program installation when you have connected it to a computer, are not supported.

Look out for the follows

• **Do not extract the USB device while in operation.**
• For a large capacity USB, it may take longer than a few minute to be searched
• To prevent data loss, back up all data.
• If you use a USB extension cable or USB hub, the USB device is not recognized.
• Using NTFS file system is not supported. (Only FAT(16/32) file system is supported.
• This unit is not supported when the total number of files is 1000 or more.
• External HDD, Card readers, Locked devices, or hard type usb devices are not supported.
• USB port of the unit cannot be connected to PC. The unit can not be used as a storage device.

Recording to USB

	ON REMOTE
1 Connect the USB device to the unit	**-**
2 Select a mode in which you want to record (ex. CD/ TUNER....)	**FUNCTION**
Play back a sound source first	**∧ ∨ and ENTER**
3 Start the recording	**● REC**
4 To stop recording, press	**■ STOP**

Recording to USB - More you can do

Recording Music file in disc source to USB

One track recording
If the USB recording is played during playback of the CD, the track/ file would be recording into the USB.

All tracks recording
If the recording button is pressed at the CD stop, all tracks/ files would be recording.
- The files in the sub-folders are not recorded during all track recording.
- If you want to all tracks recording during playback, press stop twice. check the "■"on the screen.

Program list recording
USB records after creating your own program if you want to record the track you want (AUDIO CD only).

When you are recording, look out for the following

- You can check the recording percentage rate for the USB record on the screen during the recording. (AUDIO, MP3/ WMA CD only)
- During recording MP3/ WMA, there is no sound.
- When you stop recording during playback, the file that has been recorded at that time will be stored. (AUDIO CD Only)
- Do not remove the USB device during USB recording. If not, an incomplete file may be made and not deleted on PC.
- If USB recording does not work, the message like "NO USB", "ERROR", "USB FULL" or "NO REC" is displayed on the display window.
- Multi card reader device or External HDD can not be used for USB recording.
- A file is recorded by 128 Mbyte when you record for a long term.
- When you stop recording during playback, the file will not be stored.
- In the state CD-G disc, USB record is not operated.
- You may not record more than 999 files.
- The file number of the recording is saved automatically.
- **It'll be stored as follows.**

AUDIO CD	MP3/ WMA	the other sources
📁 CD_REC ├ TRK-001 ├ TRK-002 │ . │ .	📁 FILE_REC ├ 001_ABC(File name) ├ 002_DEF(File name) │ . │ .	📁 EXT_REC ├ AUD-001 ├ AUD-002 │ . │ .

Karaoke Basic Playback

	ON REMOTE
1 Check if the system is connected. (Page 4)	
2 Turn on the power of TV and unit.	⏻ **POWER**
3 Open the disc tray and insert supplied karaoke disc.	⏏ **OPEN/CLOSE**
4 Close the disc tray.	⏏ **OPEN/CLOSE**
5 To enter to the DVD/CD(karaoke) mode.	**FUNCTION**
6 Connect the microphone to the MIC jacks.	
7 Press the melody number you want. If you want to cancel the selected melody number, press the **CLEAR**.	**NUMERIC No. 0 ~ 9**
8 To start, press	**ENTER or ▶ PLAY**
9 To stop, press	■ **STOP**

Karaoke Basic Playback - More you can do

You can change the key to suit your vocal range with Key Control

You can adjust the key to 13 steps (6 steps higher, 6 steps lower and the original key).
- The setting appears on the screen.
• To flatten the key one by one, press the **KEY CON.(b)** repeatedly during playback.
• To sharp the key one by one, press the **KEY CON.(#)** repeatedly during playback.

- Press **TONE CONTROL**(👤👤) on remote control repeatedly to change MAN's or WOMEN's tone.

To adjust ECHO Volume

You can give an echo effect to the sound from the microphones.
Press the **ECHO VOL. +** on the remote control to increase the echo volume or **ECHO VOL. -** decrease it.

To change tempo

You can use this function when you want to play fast or slow.
1 Press **TEMPO +** repeatedly during singing to play faster.
2 Press **TEMPO -** repeatedly during singing to play slower.

Shadow Function

If KARAOKE CD caption and the song's subtitle are mixed up, the song's subtitle may be invisible. In this case, to highlight the song's subtitle, press **SHADOW**.
- It will be highlighted by background shadow image.

Using Microphone

1 Connect your microphone to the MIC1/ MIC 2 Jacks.
   "MIC IN" will be shown in the display window.
2 Play the music you want.
3 Sing along with the accompaniment**.**
   Adjust the microphone volume by pressing **MIC VOL.(+/-)** button.

Notes:
• When not using the microphone, set the **MIC VOL.(+/-)** button to minimum or turn off the MICs and remove the microphone from the MIC Jacks.
• If the microphone is set too near the speaker, a howling sound may be produced. In this case, move the microphone away from the speaker or decrease the sound level by using the **MIC VOL.(+/-)** button.
• If sound through the microphone is extremely loud, it may be distorted. In this case, press the **MIC VOL.(+/-)** button toward minimum.

Reserving the Song

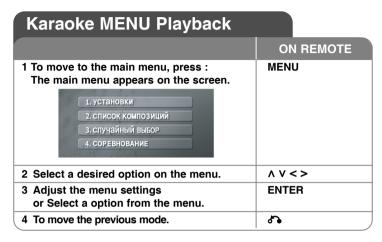|	ON REMOTE
1 To reserve melody number you want in the karaoke disc play mode, press	**NUMERIC No. 0 ~ 9**
2 To reserve, press The melody number is reserved	**PROG./MEMO.**
3 Repeat steps 1-2. You can reserve at most 8 songs	

Reserving the Song - More you can do

To cancel the reserved song

Each time you press **CLEAR**, the reserved song will be cancelled one by one.

To cancel or change the wrong reserved song

Press the **PROG./MEMO**. to move to the desired position, then press the **CLEAR** to cancel the reserved song.

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Karaoke MENU Playback

	ON REMOTE

1 To move to the main menu, press :
   The main menu appears on the screen.
 	
   1. УСТАНОВКИ
   2. СПИСОК КОМПОЗИЦИЙ
   3. СЛУЧАЙНЫЙ ВЫБОР
   4. СОРЕВНОВАНИЕ
	MENU

2 Select a desired option on the menu.	**∧ ∨ < >**
3 Adjust the menu settings **or Select a option from the menu.**	**ENTER**
4 To move the previous mode.	♫

Karaoke MENU playback - More you can do

1. SETUP   1. УСТАНОВКИ

Select one you want to activate/ deactivate among the following functions.

1. SCORE
2. FANFARE
3. LYRIC
4. CHORUS

1. БАЛЛЫ   ВКЛ ВЫКЛ
2. ФАНФАРЫ   ВКЛ ВЫКЛ
3. ТЕКСТ ПЕСНИ ВКЛ ВЫКЛ
4. БЭК-ВОКАЛ   ВКЛ ВЫКЛ

Select ON/OFF to activate/ deactivate.

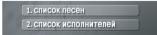### 2. MUSIC LIST   2. СПИСОК КОМПОЗИЦИЙ

You can select a desired song on each music list.
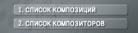
1. LOCAL SONG
2. POP SONG
3. CLASSIC

1. РОССИЙСКИЕ ПЕСНИ
2. ЗАРУБЕЖНЫЕ ПЕСНИ
3. КЛАССИЧЕСКАЯ МУЗЫКА

Select one among following when you selected LOCAL SONG / POP SONG in the previous step.

1. SONG LIST
2. SINGER LIST

1. СПИСОК песен
2. СПИСОК ИСПОЛНИТЕЛЕЙ

Select one among following when you selected CLASSIC LIST in the previous step.

1. CLASSIC LIST
2. COMPOSER LIST

1. СПИСОК КОМПОЗИЦИЙ
2. СПИСОК КОМПОЗИТОРОВ

Select initial of song title or entire title.

3. RANDOM   3. СЛУЧАЙНЫЙ ВЫБОР

You can enjoy songs randomly.

4. CHALLENGE   4. СОРЕВНОВАНИЕ
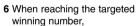
You can enjoy a song game dividing by two teams of red team & blue team.

1 Select количество попыток .

2 Select желаемый результат .

3 Press СТАРТ .

количество попыток
1 2 3 4 5 6 7 8 9
желаемый результат
60   70   80   90
СТАРТ
перемещание выбор

4 Select number to sing along with the accompaniment.

5 Repeat the step 4.
Change the team of red or blue team alternately.

0   0
1   2   3   4
5   6   7   8
9   10 11 12
13 14 15 16
17 18 19 20

6 When reaching the targeted winning number,

ПОЗДРАВЛЯЕМ will be shown on the TV screen.

ПОЗДРАВЛЯЕМ!
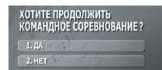
7 Whether you keep going the song game or not,

select 1. ДА or 2. НЕТ .

ХОТИТЕ ПРОДОЛЖИТЬ
КОМАНДНОЕ СОРЕВНОВАНИЕ ?
1. ДА
2. НЕТ

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	Twi	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	Laothian	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 a 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	uaw
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

PROBLEM	CAUSE	CORRECTION
No power	The power cord is disconnected.	Plug the power cord into the wall outlet securely.
No picture	The TV is not set to receive the DVD signal.	Select the appropriate video input mode on the TV so the picture from the DVD Receiver appears on the TV screen.
	The video cables are not connected securely.	Connect the video cables securely to both the TV and DVD Receiver.
There is little or no sound	Equipment connected via the audio cable is not set to receive DVD signal output.	Select the correct input mode of the audio receiver so you can hear the sound from the DVD receiver.
	The audio cables are not connected to the speakers or receiver securely.	Connect the audio cables into the connection terminals correctly.
	The audio cables are damaged.	Replace with a new audio cable.
The DVD picture quality is poor	The disc is dirty.	Clean the disc using a soft cloth with outward strokes.
A DVD/CD will not play	No disc is inserted.	Insert a disc.
	An unplayable disc is inserted.	Insert a playable disc (check the disc type, colour system and regional code).
	The disc is inserted upside down.	Place the disc with the label or printed side facing upwards.
	The menu is open on screen.	Press **SETUP** to close the menu screen.
	There is a parental lock which prevents the playback of DVDs with a certain rating.	Enter your password or change the rating level.
Humming noise heard while a DVD or CD is playing	The disc is dirty.	Clean the disc using a soft cloth with outward strokes.
	The DVD receiver is located too close to the TV, causing feedback.	Move DVD receiver and audio components further away from your TV.
Radio stations can't be tuned in properly	The antenna is positioned or connected poorly.	Check the antenna connection and adjust its position.
		Attach an external aerial if necessary.
	The signal strength of the radio station is too weak.	Tune to the station manually.
	No stations have been preset or preset stations have been cleared (when tuning by scanning preset channels).	Preset some radio stations, see page 14 for details.
The remote control doesn't work well / at all	The remote is not pointed directly at the UNIT.	Point the remote directly at the unit.
	The remote is too far from the UNIT.	Use the remote within 23 feet (7m) of the UNIT.
	There is an obstacle in the path between the remote control and the unit.	Remove the obstacle.
	The battery in the remote control are flat.	Replace the battery with new ones.

Types of Playable Discs

Type	Logo
DVD-VIDEO : Discs such as movies that can be purchased or rented.	DVD VIDEO
DVD-R : Video mode and finalized only	DVD R
DVD-RW : Video mode and finalized only DVD VR format that have been finalized can not be played in this unit	DVD RW
DVD+R : Video mode only Supports the double layer disc also	RW DVD+R
DVD+RW : Video mode only	RW DVD+ReWritable
Audio CD : Music CDs or CD-R/ CD-RW in music CD format that can be purchased.	COMPACT disc DIGITAL AUDIO

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.

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

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

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 specific DVD video 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.

You have to set the disc format option to [Mastered] in order to make the discs compatible with the LG players when formatting rewritable discs. When setting the option to Live File System, you cannot use it on LG players.
(Mastered/ Live File System : Disc format system for Windows Vista)

Specifications

General

Power supply	Refer to main label.
Power consumption	Refer to main label.
Net Weight	3.7 kg
External dimensions (W x H x D)	202 x 303 x 259 mm
Operating conditions Temperature	5°C to 35°C, Operation status: Horizontal
Operating humidity	5% to 85%
Laser	Semiconductor laser, wavelength 650 nm

Tuner FM

FM Tuning Range	87.5 - 108.0 MHz or 87.50 - 108.00 MHz
FM Intermediate Frequency	128 kHz

Amplifier

Output Power	75W + 75W
T.H.D	0.5%

Speaker

	RBS154V
Type	2 Way 2 Speaker
Impedance	4 Ω
Rated Input Power	75 W
Max. Input Power	150 W
Net Dimensions (W x H x D)	215 x 384 x 215 mm
Net Weight	4.2 kg

Notice (the date of the production of goods).
First figure (of the left) of series number means Year, next 2 figures
- Month of the production of this goods.

Designs and specifications are subject to change without prior notice.

EAC

Символ «не для пищевой продукции» применяется в соответствие с техническим регламентом Таможенного союза «О безопасности упаковки» 005/2011 и указывает на то, что упаковка данного продукта не предназначена для повторного использования и подлежит утилизации. Упаковку данного продукта запрещается использовать для хранения пищевой продукции.	Символ Кедендік одақтың 005/2011 техникалық регламентіне сәйкес қолданылады және осы өнімнің қаптамасын екінші рет пайдалануға арналмағанын және жоюға жататынын көрсетеді. Осы өнімнің қаптамасын азық-түлік өнімдерін сақтау үшін пайдалануға тыйым салынады.
Символ «петля Мебиуса» указывает на возможность утилизации упаковки. Символ может быть дополнен обозначением материала упаковки в виде цифрового и/или буквенного обозначения.	Символ қаптаманы жою мүмкіндігін көрсетеді. Символ сандық код және/немесе әріп белгілері түріндегі қаптама материалының белгісімен толықтырылуы мүмкін.

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Адрес импортера: 143160 Российская Федерация, Московская область, Рузский район, сельское поселение Дороховское, 86 км. Минского шоссе, д.9

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