



ENGLISH

DEUTSCH

SLOVENIAN

DP471T



P/NO : MFL61969617



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.

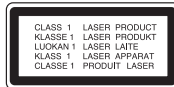
WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

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 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.

Shall 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.

CAUTION

- The ventilation shall not be impeded by covering the ventilation openings with items, such as newspapers, table-cloth, curtains etc.
- No naked flame sources, such as lighted candles, shall be placed on the apparatus.
- Used batteries shall be disposed of safely and not incinerated. Attention shall be shown to the environment aspects of battery disposal.
- Use the apparatus in tropical and moderate climates only.
- The excessive sound pressure from earphones and headphones can cause hearing loss.
- The battery shall not be exposed to excessive heat such as sunshine, fire or the like.
- Do not remove the battery incorporated with product for your safety.

If you need to replace the battery, take it to the nearest authorized LG Electronics service point or dealer for assistance

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.

Warning for replaceable lithium battery

- Danger of explosion if battery incorrectly replaced.
- Replace only with the same type battery.
- Additional warning marking close to the battery if intended to be replaced by users.

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 shall 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.









This product is manufactured to comply with EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC.

European representative :
LG Electronics Service Europe B.V.
Veluwezoom 15, 1327 AE Almere,
The Netherlands (Tel : +31-036-547-8940)

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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.

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

"DVD Logo" is a trademark of DVD format/Logo Licensing Corporation.

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.

Rechargeable battery

- Its internal rechargeable battery provides you with the freedom to pass it around and play the files without the power cord.
- The internal rechargeable battery will start charging only when the AC adapter is connected to a power outlet.
- Operating time on battery: approximately 2 hours and 30 minutes. The operating time on battery may vary depending on the battery status, operational status and environment conditions and the maximum playing time is approximately 3 hours.
- The battery indicator will turn red while charging. Once the charging is complete, the indicator will be turned off.
- When the remaining time of the battery power is under a few seconds, " Check Battery" will appear on the screen.

Charging Time on Battery

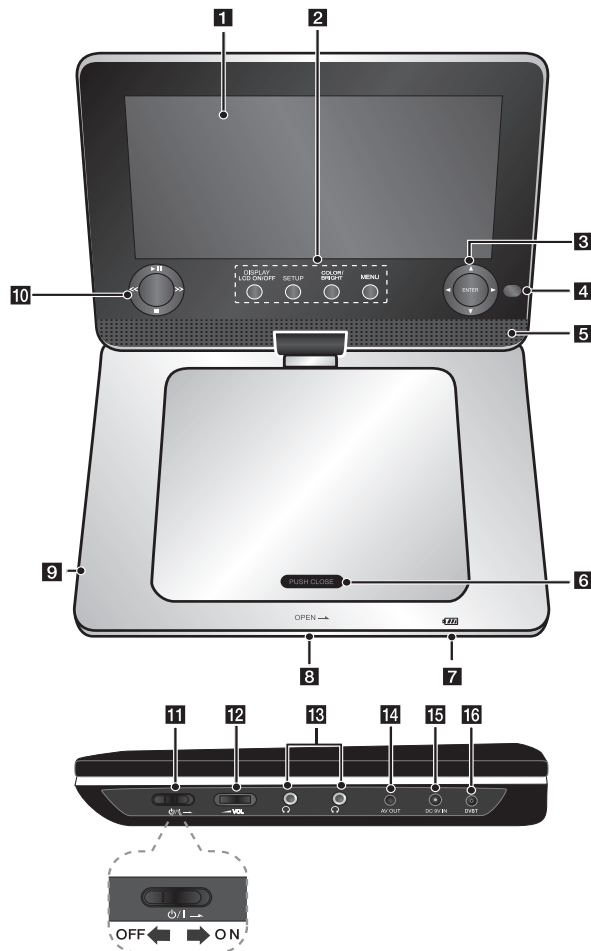
- Fast Battery Charge Mode (When the power switch is located OFF): Less than 3 hours.
- Slow Battery Charge Mode (When the power switch is located ON): More than 8 hours.

Power switch



3

Main Unit



4

1 LCD screen

2 Function buttons

• DISPLAY

LCD ON/OFF: Accesses On-Screen Display. To turn off the LCD, press and hold DISPLAY for about 2 seconds and to turn on the LCD, press DISPLAY again.

• **SETUP:** Accesses or exits the setup menu.

• **COLOR/BRIGHT*:** Displays the Brightness or Colour menu for LCD display.

• **MENU:** Accesses the DVD menu.

* To adjust the colour or brightness of the LCD display, press COLOR/BRIGHT repeatedly on the main unit to display the Brightness or Colour menu then use ◀ / ▶ to adjust the value. Press ENTER to confirm the adjustment.

3 Menu control buttons

• ◀ ▶ ▲ ▼ (left/right/up/down):

Selects an item in the menu.

• **ENTER:** Confirms menu selection.

4 Remote sensor:

Point the remote control here. To control the unit using the remote control, do not fold the LCD panel down.

5 Speakers

6 Disc lid

7 Battery charge and power indicator

• The indicator turns red in charging and it will be turned off when the charging is complete. (Refer to page 3 for details.)

• The indicator turns green when the unit is turned on.

8 OPEN:

Opens the disc lid using the slide open switch.

9 USB Port:

Connect a USB Flash Drive.

10 Playback control buttons

• ▶ (Play) / || (Pause): Starts playback and pauses playback temporarily, press again to exit pause mode.

• ■ (Stop): Stops playback. **MODE:** Switches an operation mode in the complete stop mode. (DVB-T, DAB, Disc)

• << (Skip): Searches backward* or returns to the beginning of current chapters/ tracks/ files or goes to the previous chapters/ tracks/ files.

• >> (Skip): Searches forward* or goes to next chapters/ tracks/ files.

* Press and hold button for about two seconds.

11 ⏻/⏻ (Power switch):

Turn the unit ON or OFF.

Note: To operate this unit, the power switch must be located ON.

12 ◀ VOL (Volume):

Adjusts the volume level of the built-in speaker and earphones.

13 🎧 (Earphones):

Connect earphones here.

14 AV OUT:

Connect to a TV with video and audio input.

15 DC 9V IN:

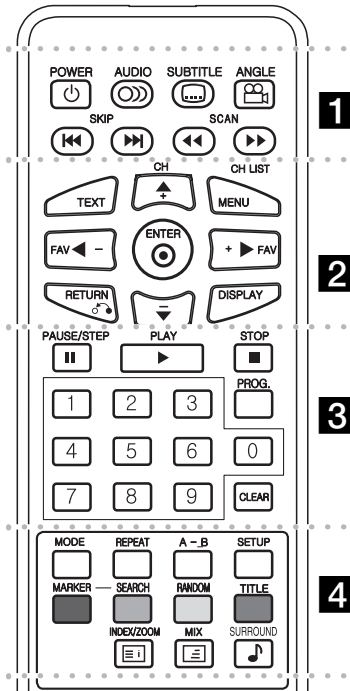
Connect the AC adapter or automotive adapter.

16 DVBT:

Connect the external antenna or RF cable hub.

Remote Control

Note: To operate this unit with remote control, the power switch must be located ON. (Refer to 4 page)



1

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

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

SUBTITLE (📄): Selects a subtitle language.

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

SKIP (⏮ / ⏭): Goes to next or previous chapter/track/file.

SCAN (⏪ / ⏩): Searches backward or forward.

2

TEXT: Switches between teletext mode and normal TV viewing.

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

MENU: Accesses the DVD menu.

CH LIST: Displays the channel list.

▲▼◀▶: Navigates the menus.

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

ENTER (⊙): Confirms menu selection.

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

DISPLAY: Accesses or exits On-Screen Display.

3

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

PLAY (▶): Starts playback.

STOP (■): Stops playback.

Numerical buttons: Selects numbered options in a menu.

PROG.: Enters the program edit mode.

CLEAR: Removes a track number on the Program List.

4

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

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

A-B: Repeats a section.

SETUP: Accesses or exits the setup menu.

MARKER: Marks any point during playback.

SEARCH: Displays [Marker Search] menu.

RANDOM: Plays tracks in random order.

TITLE: Access the disc's title 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.

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

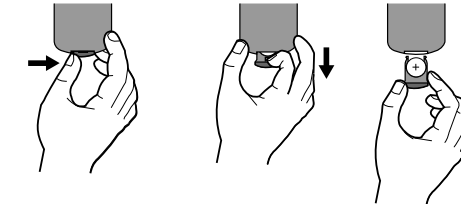
MIX (🎵): Displays the teletext pages superimposed on the TV picture.

SURROUND (🎧): Press repeatedly to apply the various sound effects. (Refer to 12 page)

Put the battery into the Remote Control

Pinch the battery holder clip together then pull the tab to remove the battery holder. Insert the battery with the + facing in the same direction as the + on the battery holder. Replace the battery holder with battery into the Remote Control unit making sure that it is fully inserted.

- Replace Remote Control unit battery with 3V micro lithium cells such as CR. 2025 or its equivalent.
- Dispose of battery safely in accordance with local laws. Do not dispose of in fire.

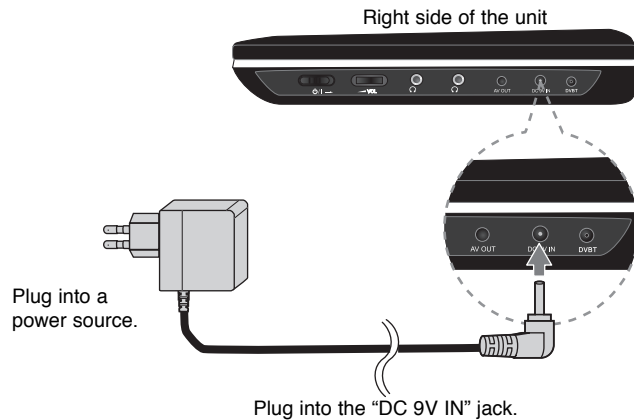


Warning: The battery used in this device may present a fire or chemical burn hazard if mis-treated. Do not recharge, disassemble, incinerate, or heat above 100 °C (212 °F). Replace the battery with Matsushita Elec. Ind. Co., Ltd. (Panasonic), part no. CR. 2025 only. Use of another battery may present a risk of fire or explosion. Dispose of used batteries. Keep batteries away from children. Do not disassemble or dispose of in fire.

Power connections

Connecting the AC Adapter

Connect the supplied AC Adapter from the unit to a power socket.



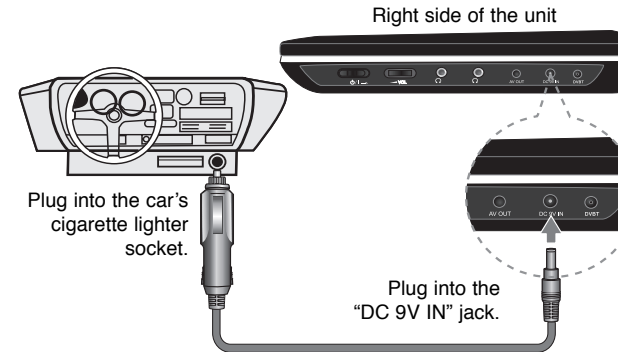
* The actual set may differ from the drawing.

AC adapter

- This AC adapter operates on 100-240V~ 0.5A 50/60Hz.
- Contact an electrical parts distributor for assistance in selecting a suitable AC plug adapter or AC cord set.
- Manufactured by I-MAG ELECTRONICS(DONG GUAN) CO., LTD

Connect the Automotive adapter

This unit and its automotive adapter are designed for use in vehicles that have 8.5-15 volt, negative ground electrical systems. This is standard for most vehicles. If your vehicle has a different type of electrical system, the DC power system cannot be used.



Automotive adapter

- This automotive adapter operates on DC 8.5-15V.
- Contact an electrical parts distributor for assistance in selecting a suitable automotive adapter.
- Manufactured by GRAND POWER ELECTRONIC TECHNOLOGY (SHENZHEN) CO., LTD.

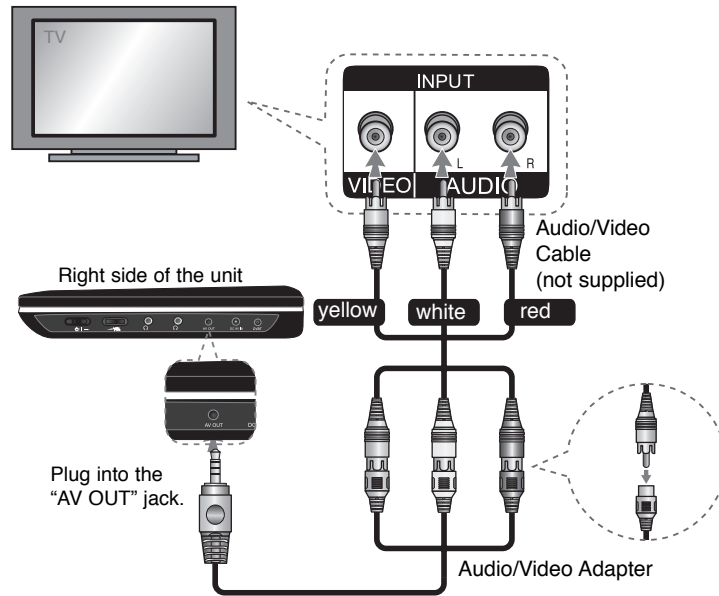
Caution

- To prevent electrical shock and possible damage to your unit or vehicle, always unplug the automotive adapter from the cigarette lighter socket before you remove the plug from your unit.
- A 1.5 amp. 250V fuse for protection is installed in the automotive adapter.
- While the engine is being started, disconnect the automotive adapter from the car's cigarette lighter socket.
- Do not operate your unit when the car battery is discharged. Peak current from the car generator may cause the DC fuse to blow.
- If the vehicle's supply voltage drops below approximately 10 volts, your unit may not work properly.
- Do not leave your unit in a place where the temperature exceeds 70°C (158°F), or the pick-up device may be damaged.
Examples include:
 - Inside a car with the windows closed and in direct sunshine.
 - Near a heating appliance.

Hooking up the unit

Audio and Video Connections to your TV

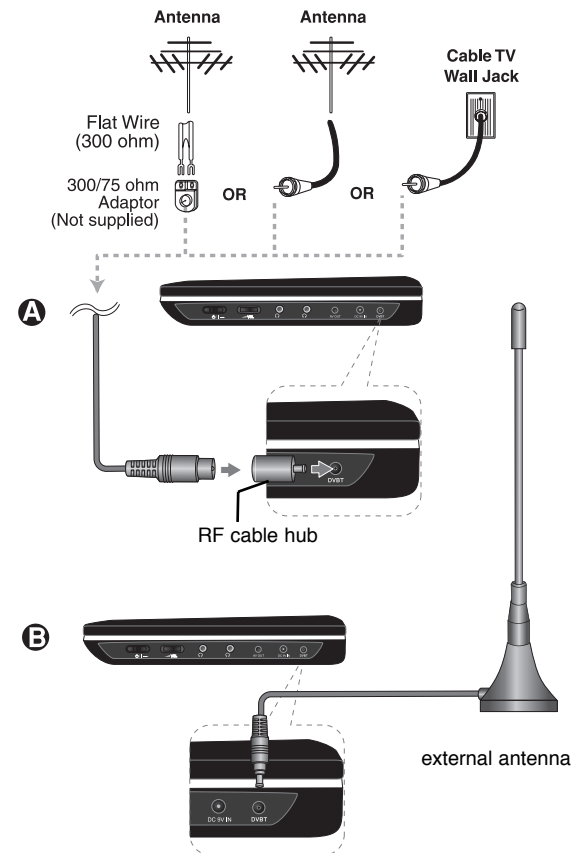
Connect the AV OUT jack on the unit to the corresponding input jacks on your TV as shown below.



Connecting the Antenna

Connect the TV antenna to the DVBT jack on the unit after selecting one between **A** and **B** as shown below.

- A**: Connect an indoor antenna cable using supplied RF cable hub.
- B**: Connect a supplied external antenna.



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.

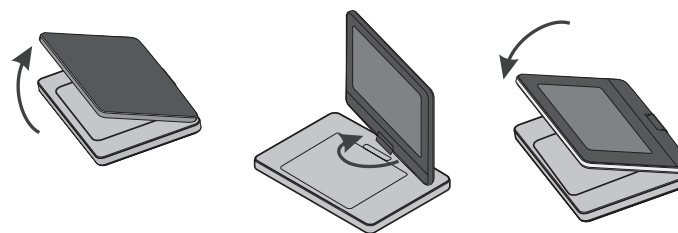
Cable-TV

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.

Revolving the LCD panel

You can revolve the LCD panel of the unit clockwise a maximum of 180 degrees for use. You can also operate the unit after revolving the LCD panel 180 degrees and folding it back down.



To revolve the LCD panel, place the unit on a stable and even surface such as on a table. Push the LCD panel up and then lift it into a vertical position. Revolve the LCD panel clockwise slowly 180 degrees. If you need, fold the LCD panel after revolving it.

To revolve the LCD panel to its original position, open the LCD panel to a vertical position. Revolve the LCD panel counter clockwise slowly 180 degrees.

- When finished using the unit, return the LCD panel to its original position.
- Do not leave the LCD panel in the face-up position, or sudden shocks may damage it.

Selecting the operation 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 settings

	BUTTON
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 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 18) 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.

Adjust 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 – 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" and the password will be 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-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 18)

Adjust the others settings

REC Bitrate – You can choose a bit rate for USB direct recording. Higher bit rate gives the better sound quality but uses more space on the USB Flash Drive. For USB direct recording, see page 14.

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.

Displaying Disc Information

	BUTTON
1 Select the disc mode:	MODE
2 Press DISPLAY during playback:	DISPLAY
3 Select an item:	▲ ▼
4 Adjust the Display menu settings:	◀ ▶ / ENTER
5 Exit the menu:	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 / 5	Current title number/total number of titles
 5 / 42	Current chapter number/total number of chapters
 0:13:45	Elapsed playing time
 1 ENG DCH 3/2, 1CH	Selected audio language or channel
 OFF	Selected subtitle
 1 / 1	Selected angle/total number of angles

Symbol Used in this Manual

A section whose title has one of the following symbols are applicable only to the disc or file represented by the symbol.

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

Playing a Disc		BUTTON
1	Select the disc mode:	MODE
2	Open the disc lid:	-
3	Insert a disc:	-
4	Close the disc lid:	-
5	Start playback:	▶ PLAY
6	Adjust the volume:	VOLUME
7	To stop playback:	■ STOP

Playing a Disc - more you can do

Stops the playback

Press **STOP** (■) to stop 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, 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 disc DVD VR disc, the menu will appear on the screen. Use ▲▼ to select a title then press **PLAY** (▶). To display DVD-VR menu, press **MENU** or **TITLE**.

Some DVD-VR disc are made with CPRM data by DVD RECORDER. The unit 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.

Pause a playback **ALL**

Press **PAUSE/STEP** (||) to pause playback. Press **PLAY** (▶) to continue playback.

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

Press **PAUSE/STEP** (||) repeatedly to play Frame-by-Frame playback.

Playing repeatedly **ALL**

Press **REPEAT** repeatedly to select an item to be repeated. The current title, chapter or track will be played back repeatedly. To return to normal playback, press **REPEAT** repeatedly to select [Off].

Fast forward or fast reverse **DVD DivX ACD WMA MP3**

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

- DVD, DivX: ◀◀◀◀◀ ◀◀◀◀◀ ◀◀◀◀◀ ◀◀◀◀◀ / ▶▶▶▶▶ ▶▶▶▶▶ ▶▶▶▶▶ ▶▶▶▶▶

- ACD, WMA, MP3: ◀◀x8 ◀◀x4 ◀◀x2 / ▶▶x2 ▶▶x4 ▶▶x8

Repeating a specific portion (A-B) **DVD DivX ACD**

Press **A-B** at the beginning of the portion you wish to repeat and again at the end of the portion. Your selected portion will be repeated continually. To return to normal playback, press **A-B** to select [Off].

Selecting a subtitle language **DVD DivX**

During playback, press **SUBTITLE** (☺) repeatedly to select a desired subtitle language.

Watching from a different angle **DVD**

If the angle indicator appears on the screen for a moment, you can select a different camera angle by pressing **ANGLE** (☺) repeatedly.

Hearing a different audio **DVD DivX**

During playback, press **AUDIO** (☺) repeatedly to switch between the available audio languages, channels or encoding methods.

Slow down the playing speed **DVD DivX**

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

Watching an enlarged video image **DVD DivX**

During playback or pause mode, press **ZOOM** repeatedly to select zoom mode. You can move through the zoomed picture using ▲▼◀▶ buttons. Press **CLEAR** to exit. (100% → 200% → 300% → 400% → 100%)

Viewing the title menu **DVD**

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

Viewing the DVD menu **DVD**

Press **MENU** to display the disc menu, if available.

Starting play from selected time **DVD DivX**

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

Playing in random order **ACD WMA MP3**

During playback or in stop mode, press **RANDOM** for playback in random order. Press **RANDOM** again to return to normal playback.

Mark a scene on a disc **DVD DivX**

You can mark a position on a disc to return to at the place. Simply press **MARKER** at the desired position. The marker icon will appear on-screen briefly. Repeat to place up to nine markers.

Also you can recall or clear the positions. Press **SEARCH** and [Marker Search] menu will appear. Use ◀ or ▶ to select a desired marker on the menu, then press **ENTER** to recall it or **CLEAR** to clear it.

Last Scene Memory **DVD ACD**

This unit memorizes 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 the unit. If you load a disc that has the scene memorized, the scene is automatically recalled.

Screen Saver

The screen saver appears when you leave the unit in Stop mode for about five minutes. If the Screen Saver is displayed for five minutes, the unit automatically turns itself off.

Surround

You can enjoy the surround sound simply by selecting one of the pre-programmed sound field according to the program you want to listen to. Each time you press **SURROUND**, the sound mode is changed as follows.

Normal → Concert → Hall → Arena

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

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

Playing a DivX movie file

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

Playing a 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: 720x576 (W x H) pixel.
- The file names of DivX and subtitle are limited to 45 characters.
- DivX file extensions: ".avi", ".mpg", ".mpeg"
- Playable DivX subtitle: SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), VobSub (.sub), 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 - 48 kHz (MP3), within 32 - 48 kHz (WMA)
- Bit rate: within 32 - 320 kbps (MP3), within 32 - 192 kbps (WMA), less than 4Mbps (DivX file)
- CD-R/RW, DVD±R/RW Format: ISO 9660
- Maximum Files/Folders: Less than 600 (total number of files and folders)

Listening to Music Disc or files

	BUTTON
1 Select the disc mode:	MODE
2 Open the disc lid:	-
3 Insert a disc:	-
4 Close the disc lid:	-
5 Select a music from the menu: To go directly to track/file and play, enter the track/file number using the numbered buttons (0-9).	▲ ▼, 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 **PROG.** 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.

Displaying file information (ID3 TAG)

While playing a MP3 file containing file information, you can display the information by pressing **DISPLAY** repeatedly. If the file does not have ID3-Tag information, [NO ID3 TAG] appears on the screen.

MP3/WMA music file requirement

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

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

Viewing photo files

	BUTTON
1 Select the disc mode:	MODE
2 Open the disc lid:	-
3 Insert a disc:	-
4 Close the disc lid:	-
5 Select a photo file on the menu: To go directly to file and play, enter the file number using the numbered buttons (0-9).	▲ ▼, MENU
6 Display the selected file in full screen: Photo information displays on the screen. If you want to hide it, press RETURN (↵)	▶ 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 in full screen.

Rotate a photo

Use ▲▼ to rotate the photo in full screen counter clockwise 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 2MB 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 a USB Flash Drive to the unit before recording.
Set [REC Bitrate] option as required. (Refer to 10 page)

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

Recordable mode

You can record a 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 a 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 Drive then the music file(s) is saved in it.
- If you remove USB Flash Drive or turn off the 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 is not supported.
- Use **AUDIO** to select a desired recording speed.
- Recording speed
 - 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 Bitrate: 128kbps / 160kbps / 192kbps / 256kbps / 320kbps
- Maximum Files/Folders: 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 recording, 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 files in the USB Flash Drive with version 1.1, 2.0.

	BUTTON
1 Select the disc mode:	MODE
2 Connect a USB Flash Drive to the USB port on the unit:	-
3 Display [USB] on the screen:	-
4 Press the RETURN button to switch the USB operating mode.	↶ RETURN
5 Select a file: To go directly to file and play, enter the track/file number using the numbered buttons (0-9).	▲ ▼, MENU
6 Play the file:	▶ PLAY
7 Remove the USB Flash Drive:	-

Notes a USB Flash Drive

- You can switch between [DISC] and [USB] mode using **RETURN (↶)** button.
- Do not extract the USB device in operating.
- We recommend that you back up your important files in the USB Flash Drive to protect against accidental loss.
- If you use a 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.
- Maximum Files/USB Flash Drive: Less than 600 (total number of files and folders)
- The USB function of this unit does not support all kinds of USB devices.
- Digital camera and mobile phone are not supported.

Adjust the DVB-T or DAB settings

	BUTTON
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 the second level:	▶
5 Select a desired option on the second level:	▲ ▼
6 Move to the 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 16).

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.

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.

[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 such as channel number, station name and time displayed on-screen. If you press **DISPLAY** twice, the signal strength and quality will appear on the screen.

Changing the Channel

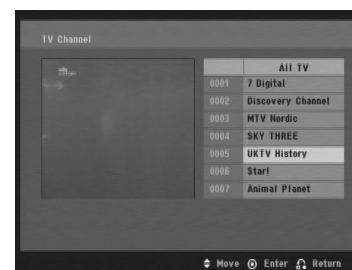
Use **CH - / +** on the remote control to change the channel in memory to select a channel directly.

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 **◀ ▶**.



Viewing a Teletext service

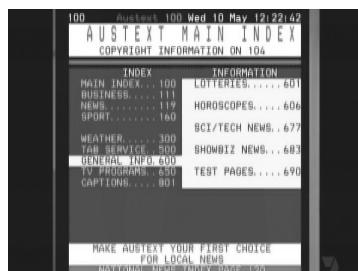
Teletext is a free broadcasting service by some TV stations which gives up-to-the-minute information on news, weather, television programs, share prices and many other topics.

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

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	Faroe	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	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 battery is discharged.	Recharge the battery.
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 volume is set to minimum.	Use the volume controller to adjust the volume.
	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	DC 9V
Power consumption	12W
External Dimensions	202 x 41 x 168 mm (W x H x D)
Net Weight (Approx.)	0.78kg
Operating temperature:	5 °C to 40 °C
Operating humidity	5 % to 90 %
Laser	Semiconductor laser
TV system	DVB-T Standard Compliant
Signal system	PAL

Connectors

Audio/Video Output	ø3.5mm mini jack x 1
- Video: 1.0 V (p-p), 75 Ω, sync negative	
- Audio: 1.5 Vrms (1 KHz, 0 dB)	
Earphone terminal	ø3.5mm stereo mini jack x 2
USB IN	4 pin (USB 2.0 / 1.1 standard)
ANTENNA IN	Antenna input, 75 Ω

Liquid Crystal Display

Panel size	7 inches wide (diagonal)
Projection system	R.G.B. stripe
Driving system	TFT active matrix
Resolution	480 x 234 (WQVGA)

Accessories

- Audio/Video adapter
- AC Adapter (IM090WU-150B)
- Automotive Adapter (Cu-2993)
- External antenna
- RF cable hub
- Remote Control
- Battery for Remote Control (Lithium Battery)
- Carrying Bag
- Headrest Mounting Bracket

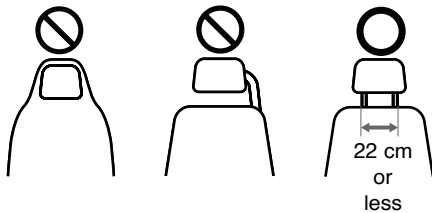
Designs and specifications are subject to change without prior notice.

Enjoying in a car with the Headrest Mounting Bracket

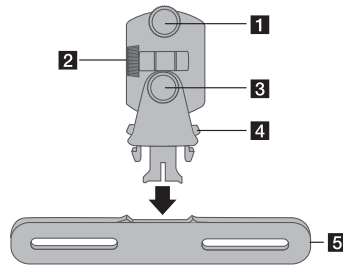
You can enjoy video in the back seat attaching the unit to the back of the front seat.

Warnings

- The driver must not operate this unit while the vehicle is moving.
Do not operate this unit where it can be viewed by the driver.
Driver operation or viewing of this unit while the vehicle is moving will cause distraction which may result in serious accident and personal injury or property damage.
- Do not attach or detach while driving, and do not attach in the following locations, otherwise it may result in injury or traffic accidents:
 - anywhere other than the back of the seat
 - in a location that interferes with the driver's view or operation of the car
 - in a location that interferes with the operation of an airbag
 - in a location that interferes with the driving instruments.
- **Depending on the type of headrest, you may not be able to attach the bracket.**



Headrest Mounting Bracket



- 1 Fixing Screw**
Fixes the unit on the bracket.
- 2 Tilt Fixing Screw**
Fixes a tilt angle of the bracket.
- 3 Horizontal Fixing Screw**
Fixes a horizontal angle of the bracket.
- 4 Release knob**
Press both knobs to release the bracket body from the cradle.
- 5 Headrest Mounting Cradle**

Installation

- 1** Separate the headrest.
(Refer to your car's user guide.)

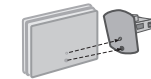


- 2** Install the headrest mount cradle as shown in the figure.

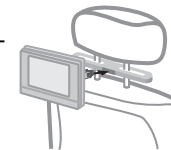


Note: If you may not be able to install the headrest cradle because of the pipe thickness of your headrest, extend the headrest cradle loosening its screws and install it.

- 3** Put the unit on the bracket and fix it using the fixing screw.



- 4** Fit the bracket body fixed the unit to the cradle.



- 5** Adjust the horizontal and tilt angle of the bracket and enjoy the unit.

