

MAGNASONIC

MDVD652

For Customer Assistance Call:
1-800-663-5954

HD Up-Converting DVD Player

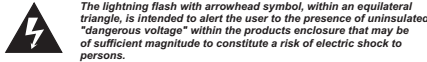
Instruction Manual



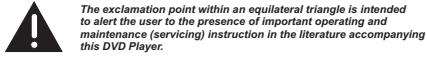
Thank you for your purchase of this Magnasonic product. Please read this Instruction Manual carefully before using product to ensure proper use. Keep this manual in a safe place for future reference.

www.magnasonic.ca

SAFETY



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



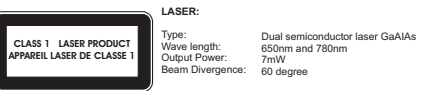
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying this DVD Player.

WARNINGS:

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

DO NOT REMOVE COVER OR OPEN THE CABINET. Dangerous high voltages are present inside the enclosure. No user serviceable parts inside. Refer servicing to qualified personnel only.

Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.



Type: Dual semiconductor laser GaAlAs
Wave length: 650nm and 780nm
Output Power: 7mW
Beam Divergence: 60 degree



WARNINGS:

DO NOT STARE INTO BEAM. Avoid direct exposure to laser beam.

To prevent direct exposure to laser beam, do not try to open the enclosure.

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 mode (525p and 625p DVD player), please contact our customer service center at 1-800-663-5954.

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

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.

U.S. Patent Nos. 4,631,603; 4,819,098; 4,907,093; 5,315,448; and 6,516,132.

To ensure proper use of this product, please read this instruction manual carefully and retain for future reference. Should the unit require any maintenance, please contact an authorized service center.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: RETAIN THIS MANUAL FOR FUTURE REFERENCE

This unit has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use, and servicing. This unit does not contain any parts that can be repaired by the user.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this home theatre near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the home theatre.

- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades, one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement or the obsolete outlet.
- Only use attachments / accessories specified by the manufacturer.
- Unplug this DVD Player during lightning storms or when unused for long periods of time.
- Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the DVD Player. When a cart is used, use caution when moving the cart / DVD Player combination to avoid injury from tip-over.



- Refer all servicing to qualified service personnel. Servicing is required when the DVD Player has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the DVD Player, the DVD Player has been exposed to rain or moisture, does not operate normally, or has been dropped.
- The DVD Player shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the DVD Player.

- Burden**
Do not place a heavy object on, or step on the product. The object may fall, causing serious personal injury and serious damage to the product.
- Damage Requiring Service**
Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A) When the power supply cord or plug is damaged.
 - B) If liquid has been spilled or objects have fallen into the product.
 - C) If the product has been exposed to rain or water.
 - D) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - E) If the product has been dropped or damaged in any way.
 - F) When the product exhibits a distinct change in performance. It indicates a need for service.

- Servicing**
Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

- Replacement Parts**
When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- Safety Check**
Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- USA & Canada versions comply with ETL requirements.



IMPORTANT BATTERY INFORMATION

- When storing the unit, be sure to remove the batteries as they may leak and damage the unit.
- Batteries may leak electrolyte if inserted incorrectly, if disposed of in fire, or if an attempt is made to charge a battery not intended to be recharged.
- Discard leaky batteries immediately. Leaking batteries may cause skin burns or other personal injury.
- Dispose of batteries in accordance with federal, state and local regulations.
- Please Respect the Environment!**
- Before throwing any battery away, consult your distributor who may be able to take them back for specific recycling.

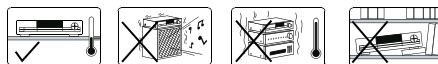


INSTALLATION

- Install your unit on a stable flat surface. There must be sufficient room in front of the unit for the drawer to be opened and the unit should be positioned so that it is visible to the remote control.
- Do not expose your unit to extreme temperature or humidity.
- Avoid standing it on a hot surface such as on top of other hot running equipment and ensure that there is adequate ventilation to the unit.

CAUTION!

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



- Cleaning Disc**
Picture freezing, sound skipping or repeating can occur if the disc inside the player is dirty.
 - When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out.
 - Do not wipe in a circular motion. Circular scratches can cause picture distortion or render the disc unplayable.

CAUTION!

Do not use solvents, commercially available cleaners, or antistatic sprays intended for analog disc.

PLAYER REGIONS

DVD discs are programmed with region numbers indicating countries in which they can be played. The region number of this unit is 1. If the DVD disc is marked with a different region number, it cannot be played on this unit.



PLAYABLE DISCS

- DVD-Video**
- DVD-R/RW, DVD+R/RW**
DVD-R and DVD-RW discs must be made in Video DVD mode. DVD+RW discs must be made in accordance with the specifications for DVD+RW discs with a 4.7 GB capacity.
- Video CD (VCD), Super Video CD (SVCD)**
- Audio CDs**
- CD-R/RW**

This player can play most CD-R/RW discs. However depending on the recording conditions, you may find that not all discs will play successfully.

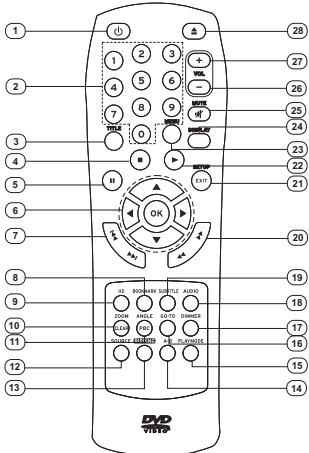
- MP3 Files on CD-R/RW**
MP3 files should be ISO 9660 or JOLIET format. If the sampling frequency is 44.1 or 48.1KHz, and the fixed bit rate is 128Kbps or higher, MP3 files can be played. However, some of them may not be played depending on their conditions or formats.
- WMA Files on CD-R**
If the sampling frequency is 32KHz, and the fixed bit rate is 128Kbps or higher, WMA files can be played. However, some of them may not be played depending on their conditions or formats.
- JPEG Files on CD-R/RW**
This player can play JPEG files with a resolution for up to five million pixels. Certain JPEG files cannot be read by this player.
- MPEG4 Files on CD-R/RW**
Your MPEG4 files should be ISO format without QPEL.

PACKAGING

Examine the contents of the box for your DVD player. It includes the following:

- DVD Player with attached power cord
- Remote Control
- 2 AAA Batteries
- A/V Cable
- Instruction Book

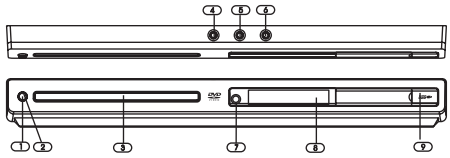
REMOTE CONTROL



- STANDBY/ON**
Press to switch between On and standby mode.
- 0-9 Numeric Keys** - Press to enter the password, title, chapter, track or time in the setup menus or directly select a track to play.
- TITLE**
Press to display the title menu if present on the disc.
- Stop** ■ press to stop playback.
- Pause** II
Press to pause playback and advance frame by frame for DVD/VCD.
- Navigation**
- Cursor function.
- Moves picture frame in zoom mode.
- ⏮/⏪ Skip**
Press to skip backward/forward to the previous/next chapter for DVD or track for CD/VCD.
- BOOKMARK**
Press to display Bookmark menu.
- HD**
Press to select the screen resolution for HDMI outputs.
- ZOOM/CLEAR**
Press to select different zooming size while playing a video.
- Press to clear the information you entered in a setup menu.
- ANGLE/PBC**
Press to select different viewing angles (if available on disc);
- Press to turn PBC ON or OFF on a VCD/SVCD disc.
- SOURCE**
Press to play the files from DISC or USB.
- RIPPING**
Press to encode the ripped CD audio files into MP3 digital files and save them in the USB flash drive.
- A-B**
Press to setup a point-to-point repeat playback or to clear repeat playback.
- PLAYMODE**
Press to select different play modes: program, random and repeat.
- GO-TO**
Press to display the search menu to search for a specific title, chapter, track or time on a disc.

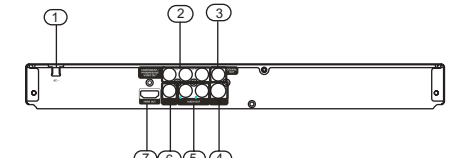
- DIMMER**
Press to adjust the brightness of the LED to ON or DIMMER.
- AUDIO**
Press to select different languages for DVD if available on disc.
- For VCD, audio output (Mono L, Mono R) can be selected.
- SUBTITLE**
Press to select different subtitles.
- ◀/▶ Fast Search Forward & Backward**
Press to fast search backward or forward.
- SET-UP/EXIT**
Press to enter or exit the System Setup menu.
- Play** ▶
Press to start playback.
- MENU**
- DVD mode: Press to enter the disc menu.
- PBC ON mode: Press to view a VCD disc menu.
- Display**
Press to display the disc's playback information.
- MUTE**
Press to mute and unmute the sound output.
- VOL -**
Press to decrease the volume.
- VOL +**
Press to increase the volume.
- Open/Close** ⏏
Press to open or close the disc tray.

FRONT PANEL



- Standby led indicator: Light is red in standby mode; No light at power ON mode.
- STANDBY/ON button
- Disc Tray
- Open/Close the Disc Tray ▲
- Play/Pause playback ▶|
- Stop playback ■
- Infra-Red Receiver Window
- LED Display Area
- USB Port

REAR PANEL



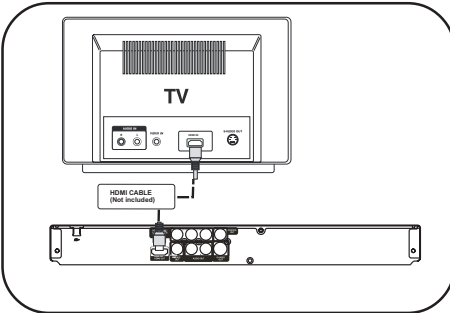
- Power Cord
- Component Video output & Progressive Scan output
- Coaxial Output
- S-Video Output
- Audio Outputs - Left and Right
- Composite Output
- HDMI Output

CONNECTION

Connecting a HDMI TV

If you have a HDMI TV or monitor, you can connect it to this DVD player using the HDMI cable (not included).

- Connect the HDMI OUT jack at the back of the DVD player to the HDMI IN jack of the HDMI compatible TV or monitor.
- Set the TV's source to HDMI (refer to TV's Owner's manual).



What is HDMI?

- HDMI (High-Definition Multimedia Interface) supports both video and audio on a single digital connection for use with DVD Players Set-Top Boxes, and other AV devices.

- HDMI was developed to provide the technologies of HDCP (High Definition Contents Protection). HDCP is used to protect digital content transmitted and received.

- Because HDMI is an evolving technology, it is possible that some devices may not operate properly with this DVD Player.
- The HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

Notes:

- Once connected, press **HD** on the remote control to select the resolution (HD OFF, 720P, 1080i, 1080P) for the HDMI output. The resolution only can be changed according to the TV's and Monitor's resolution capabilities.
- The cable connector should face the correct alignment with the connector on the DVD Player.
- Please note when HDMI output is selected at 720p, 1080i or 1080p, video will only come out from HDMI and component out jack. Select HD OFF when you are using S-Video or Composite video output jack to watch **movies**.

- If your TV or monitor is without HDCP, blue screen without picture appears when playing a DVD disc which is protected by copyrights.
- If your TV or monitor is without HDCP, it's suggested to disconnect the HDMI cable when you are using S-Video, Component or Composite video output jack to watch movies in order to get the best playback performance.
- If there is no HDMI jack on your television, please refer to the following Video and Audio Connections.

Video Connections

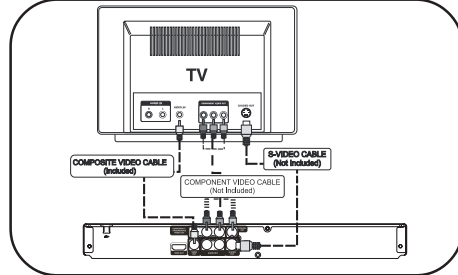
The way in which the DVD Player is connected and the kinds of cables used can make a noticeable difference in picture and sound quality. Before selecting one of the options, please make sure that any other equipment (e.g. TV, receiver) has the required input/output channels for HDCP checking.

If you connecting a TV without HDCP via HDMI cable, it may cause the video and audio out interruptive, so you need to disconnect the HDMI cable to recover.

Before you select the below options, you must turn to HD OFF mode of HDMI output first (press the HD button or HDMI setup menu).

You can select one of the below:

- For good picture quality, use COMPOSITE VIDEO CABLE
- For better picture quality, use S-VIDEO CABLE
- For best picture quality, use COMPONENT VIDEO CABLES



Notes on Progressive Scan:

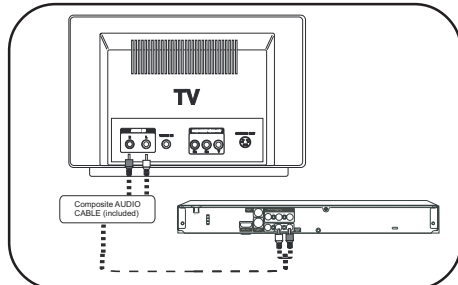
- If the TV can support Progressive Scan feeds, it is recommended to connect the video connection the same as the diagram above.
- Once connected, press the SETUP/EXIT button to enter the video setup menu to select P-SCAN YPBPR as video output.
- The TV may need adjustment to accept Progressive Scan feeds.
- Do not substitute a component Video cable with an Audio/Video cable. Although these types of cables do look alike, the actual wires inside the cable in which the signal passes along are very different. Substituting cables will result in poor picture quality and could damage your equipment.

Audio Connections

Connect with COMPOSITE AUDIO CABLE

White is for the left channel and red is for the right channel.

For better sound quality, use COMPOSITE AUDIO CABLE

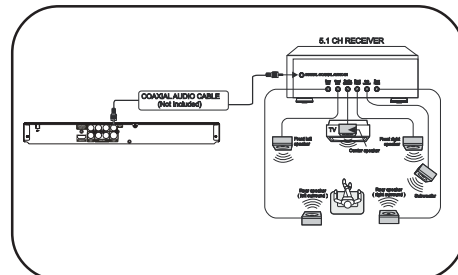


Connecting a 5.1 CH Receiver

When connecting to a 5.1 CH receiver, do not connect the L-R Audio sockets to the TV. If the L-R connections are made, the TV volume must be set to zero.

Using a Coaxial Audio Cable, connect the Digital Audio Out socket at the back of the player to the Digital Audio In socket of the 5.1 ch receiver.

For the best sound quality, use COAXIAL AUDIO CABLE



GETTING STARTED

Powering the unit

- Finish the connections for the DVD player as shown in the previous section.
- Insert 2 x AAA batteries (supplied), matching the correct polarities marked in the battery compartment, in the remote control. Connect the Power cord to an AC power outlet and press STANDBY/ON button on the unit to turn on the unit.
- Turn on the TV and set to the correct video-in source.
- To go to the standby mode, press the ⏏ button on the remote control. If the DVD player is not to be used for an extended period of time, press the STANDBY/ON button on the unit to turn off the power.

Notes:

- The effective distance for remote control operation is about 5 metres.
- Replace the batteries when the remote control operating distance starts to reduce.
- If the remote control is not to be used for an extended period of time, remove the batteries to avoid damage caused by battery leakage.

Inserting a disc

- Press the ⏏ button on the remote or front panel to open the disc tray.
- Insert a disc, press ⏏ again on the remote or front panel to close the disc tray. The unit will start reading the disc and playing it. Before the movie starts to play, a menu will be displayed.

Inserting a USB

- Press the SOURCE button on the remote control, select the USB mode.
- Insert a USB disk in the USB port on the front panel and then, the unit will detect the USB device and directly play the files on the USB disk.

Although you can watch a movie immediately, to get the best from this unit, you are suggested to proceed for the Basic Setup first.

BASIC SETUP

Press the STANDBY/ON button on the unit to turn on the unit. Press the SET-UP/EXIT button on the remote control to enter the SYSTEM SETUP menu.

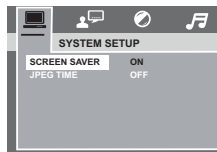
Basic Operation



- Press ◀ or ▶ to navigate to one of these menus:
 - SYSTEM SETUP
 - LANGUAGE SETUP
 - VIDEO SETUP
 - AUDIO SETUP
 - Press ▲ or ▼ to select different settings under the menu. Press ▶ or ◀ to activate the setting.
 - Press ▲ or ▼ to select a new setting, then press OK to confirm the new setting.
 - Repeat steps 1 to 3 to change any settings.
 - Press the SET-UP/EXIT button to exit setup.
- For details, refer to the corresponding chapters in the following section.

1. SYSTEM SETUP

1.1 SCREEN SAVER

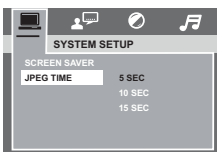


Use this setting to turn the screen saver option on or off. If you turn the screen saver on, the screen saver image appears when you leave the player in Pause or Stop mode for more than 3 minutes. It can protect the television screen from being damaged.

On: To turn screen saver on.

Off: To turn screen saver off.

1.2 JPEG TIME



Select the JPEG slide show interval while playing the picture CD. Each picture will show and stay on screen according to the specified time, then the next picture is shown automatically.

5 SEC: To set the slide show interval with 5 seconds.

10 SEC: To set the slide show interval with 10 seconds.

15 SEC: To set the slide show interval with 15 seconds.

2. LANGUAGE SETUP



You can select different languages for the Setup menu. You can also select the different languages for the audio, subtitle, and disc menu recorded on the DVD.

2.1 OSD LANGUAGE

Selects the on screen display language.

2.2 AUDIO LANG

Selects the audio language.

2.3 SUBTITLE LANG

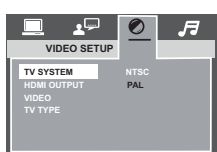
Selects the subtitle displayed on the TV screen.

2.4 MENU LANG

Selects the disc menu language.

3. VIDEO SETUP

3.1 TV SYSTEM

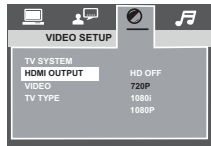


This player supports different TV outputs, including NTSC and PAL system. The settings of the unit can be changed to match the TV.

NTSC: Select this if your TV supports the NTSC colour system.

PAL: Select this if your TV supports the PAL colour system.

3.2 HDMI OUTPUT

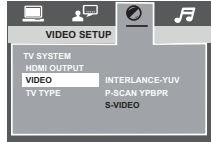


This function allows the user to select the screen resolution for HDMI output. If no video outputs when a resolution is selected, press the HD button to adjust to the resolution that your TV supports.

Note:

- The player will not automatically adjust itself to the optimal resolution that matches your TV when the HD button is pressed. You can enter the setup menu to select.
- If your TV or monitor without HDCP, blue screen without picture appears when playing the DVD discs which are protected by copyrights.
- See your TV owner's manual for more information on how to select the TV's Video Input source.

3.3 VIDEO



Choose the type of video output that matches the video connection between the unit and the TV.

INTERLACE-YUV: Select this if the unit connected to the TV using Y, Cb, Cr video jacks and progressive scan is not being used.

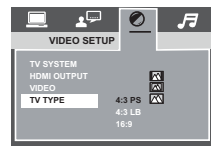
P-Scan YBPBR: Select this if the unit connected to the TV using Y, Pb, Pr video jacks and progressive scan is being used.

S-VIDEO: Select this if the unit connected to the TV using the S-Video output jack.

Note:

- You can only choose the video output in HD OFF mode.
- When one HDMI output option (720p, 1080i or 1080p) is selected, the video menu is turn to gray, and the video output is forcibly turned to component output.

3.4 TV TYPE



4:3 PS Select this when the unit is connected to a normal TV. Wide-screen images are shown on the screen, but with some parts cut automatically.

4:3 LB Select this when the unit is connected to a normal TV. Wide-screen images are shown on screen, with black belts on the top and bottom.

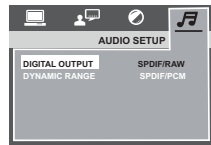
16:9 Select this when the unit is connected to a wide-screen TV.

Note:

- Some discs may not be able to be played according to your selection.
- Discs recorded in 4:3 mode will only be played in 4:3.
- The TV TYPE should correspond to the TV screen.

4. AUDIO SETUP

4.1 DIGITAL OUTPUT



If an A/V Receiver or amplifier is connected to the unit's "COAXIAL" socket, the following settings can be selected.

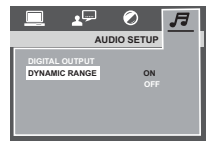
SPOF/RAW: Outputs the original audio format, AC3, DTS and PCM (for CD).

SPOF/PCM: Outputs decoded PCM data.

Note:

- This unit cannot support DTS decode.

4.2 DYNAMIC RANGE

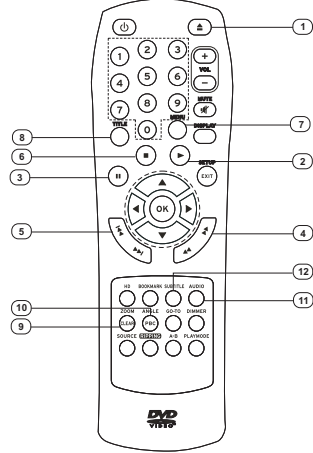


Reduces large variations in volume for night-time listening and avoid loud sound such as explosion.

On: Loud sounds such as explosions are tuned down slightly.

Off: The unit plays back at the recording level on the disc.

PLAYING DVD/CD VCD Disc



- Open / Close**
Press to open the disc tray.
Note: Load the disc on the disc tray with the disc label facing upward. Press again to close the disc tray. The unit will start playback automatically.
- Play**
Press to start playback.
- Pause / Frame-by-Frame Advance**
The image can be frozen and advance frame by frame.
For CD, press **II** to pause the playback. Press **II** again or directly press **▶▶** to resume the normal playback.
For DVD / VCD, press **II** to pause the playback. Press **II** again to go to STEP mode. Each press of the **II** button will advance the frame in STEP mode.
Press **▶▶** to resume the normal playback.
- Backward / Forward Search, Slow Motion**
Press **◀◀** / **▶▶** to search backward or forward. Press **▶▶** to resume the normal playback.
Each time the **▶▶** or **◀◀** button is pressed, the speed of backward / forward search changes at speed: x2, x4, x8, x20.
In PAUSE mode, press **▶▶** to start forward slow motion play at speed: 1/2, 1/3, 1/4, 1/5, 1/6, 1/7. Press **▶▶** to resume normal playback.

Note:

- Slow motion is not applicable to CD playback.
- ◀◀ / ▶▶ (Skip Forward/Backward)**
When a disc is playing, a chapter/track can be skipped backward/forward.
Press the **◀◀** button to skip to the beginning of the previous chapter or track.
Press the **▶▶** button to skip to the beginning of the next chapter or track.
For audio CD discs, use the numeric buttons (0 - 9) on the remote control only to directly jump to a track number.
- (Stop)**
Press **■** once to stop the current playback instantly and enter the Resume Play mode.
Press **▶▶** again to resume playback from the point where the disc was stopped.
Press **■** twice to stop playback completely. It is now impossible to resume playback from the place where playback was stopped. Press **▶▶** again to start playback from the beginning of the disc.
- MENU**
Press to display the Disc Menu.

Notes:

- This button has no function during playback of a CD. For VCD, this function is only available at PBC ON mode.
- TITLE**
Press to display the title menu if available on disc (DVD only).
- ZOOM/CLEAR**
Picture size can be magnified or reduced during playback.
When a disc is playing, press the **ZOOM/CLEAR** button. Each time the **ZOOM/CLEAR** button is pressed, the ZOOM settings will be changed as follows:
ZOOM 2 --> ZOOM 3 --> ZOOM 4 --> ZOOM 3/4 --> ZOOM 2/3 --> ZOOM 1/2 --> ZOOM: OFF
- While an image is magnified, use the **▲**, **▼**, **◀** and **▶** keys to shift the image for viewing.
To return to the original normal view, press the **ZOOM/CLEAR** key until the message ZOOM : OFF is shown. The screen will return to normal.
CLEAR: Press to delete the information you input in setup menus.
- ANGLE/PBC**
ANGLE (To change the Viewing Angle on a DVD disc)
Different viewing angles can be selected when playing a DVD video disc that contains scenes recorded from multiple angles.
Press **ANGLE/PBC** repeatedly to select different viewing angles if available on the disc.
- PBC (VCD/SVCD)**
When a VCD/SVCD is playing, press **ANGLE/PBC** repeatedly to switch between PBC ON and OFF.
If PBC ON is selected, the disc menu (if available) will appear on the TV. Use the numeric keys (0-9) to select the options in the menu.

Note:

This function is only available when scenes shot from multiple angles have been recorded on the DVD disc. If multi-angle viewing is not available, **OFF** is displayed.

- AUDIO (To select the Audio Languages available on the disc)**
During playback, different audio languages can be selected.
When a disc is playing, press **AUDIO** to show the current audio language.



Press repeatedly to select the desired audio language.

For VCD, audio output (Mono L, Mono R) can be selected.

- SUBTITLE (To select the Subtitle Languages available on the disc)**
During playback, you can change the subtitle language or disable the subtitle function.
While a disc is playing, press **SUBTITLE** to show the current subtitle playback language.



Press repeatedly to select the desired subtitle language.

Notes:

- This function can only be used for discs on which different subtitle languages have been recorded.
- The number of languages recorded may be different depending on the disc.

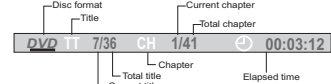
ADVANCED PLAYBACK FUNCTION

1. DISPLAY BUTTON

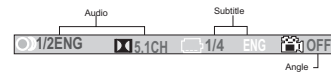
While the disc is playing, press **DISPLAY** to display playback information available, depending on the disc.

For DVD:

- Press **DISPLAY** once to display the playback information and playing time of current chapter as below:

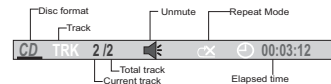


- Press **DISPLAY** two times to further display more playback information as the following:

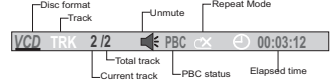


- Press **DISPLAY** thrice to check the remaining time of the current chapter.
- Press **DISPLAY** four to check the playing time of the current title.
- Press **DISPLAY** five times to check the remaining time of the current title.

For CD:



For VCD:



- Press **DISPLAY** once to display the playback information and playing time of the current track.
- Press **DISPLAY** twice to check the remaining time of the current track.
- Press **DISPLAY** three times to check the playing time of the current disc.
- Press **DISPLAY** four times to check the remaining time of the current disc.

1.1 TT (Title Info)

- Displays the Title Number being played and the Total Number of Titles recorded on the disc.

1.2 CH (Chapter Info)

- Displays the Chapter Number being played and the Total Number of Chapters recorded on the disc.

1.3 Elapsed time

- Displays the elapsed time from the beginning of the title/chapter/disc/track being played.

1.4 Audio

- Displays the audio language and audio output mode currently selected.

- Displays the subtitle language currently selected.

1.6 Angle

- Displays the viewing angle currently selected.

When a disc without multi-angle is played, **OFF** is displayed.

1.7 TRK (Track Info)

- Displays the Track Number being played and the Total Number of Tracks recorded on the disc.

1.8 Unmute Icon

- When the sound is unmuted, the icon will be displayed.

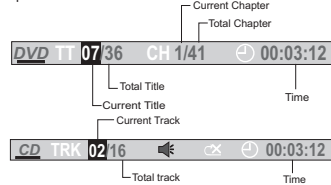
1.9 Repeat Mode

- Displays current repeat mode.

Note: After checking the settings, press **DISPLAY** again to make the information disappear.

2. GOTO FUNCTION

This function allows you to select any point on the disc and to start playback from this point.



2.1 Selecting a Specific Title/Chapter for DVD or Track for CD/VCD

Any specific Title/Chapter/Track can be selected to start playback by directly selecting the Title/Chapter for the DVD or Track number for the CD/VCD.

- Press **GOTO**.
- Press **◀** or **▶** to highlight the Title / Chapter / Track field and press the corresponding numeric key **0 - 9**.
- Press **OK** to confirm. The unit will then start playback from the selected position.

Note: Press **CLEAR** to reset the highlighted Title / Chapter / Track.

2.2 Locating a Specific Time

A specific time can be selected by directly entering the time (hours, minutes, seconds).

- Press **GOTO**.
- Press **◀** or **▶** to highlight the time.
- Using the numeric keys **0 - 9**, directly key in the time when playback should start.
 - The first two digits are for the hours.
 - The next two digits are for the minutes.
 - The last two digits are for the seconds.
- After entering the time, press **OK** to confirm. The unit will then start playback from the selected time.

Notes:

- Some discs may not allow use of this function.
- Some scenes may not be located precisely as specified.
- This method for accessing a specific location is available only within the current title of the DVD disc or current track of the CD disc.
- For VCD, it works at PBC OFF mode only.
- Press **ZOOM/CLEAR** to reset the highlighted time.

3. PROGRAMMING PLAYBACK

- Press the **PLAYMODE** button.

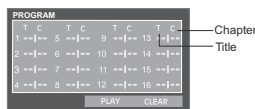


- When **MODE** is highlighted, use **◀** or **▶** to select **PROG** mode. Then press **OK** to confirm.

Note:

During VCD/SVCD playback, the function is only available when PBC is OFF.

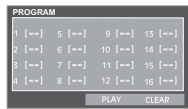
3.1 DVD Programming



- Enter the title numbers in **■** (2 digit format, e.g. 01). Use **◀** or **▶** to highlight chapter and enter the chapter numbers in **■**.
- Use **◀**, **▶**, **▲** or **▼** to move to another entry.
- Repeat the above steps for more inputs.
- Press **▶▶** or highlight **PLAY** on the screen and press **OK** to start the programmed playback.

3.2 CD/VCD/SVCD Programming

- Enter the track numbers in **■**.
- Refer to DVD Programming for program operation.



3.3 Clear the Programs

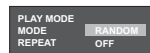
- Highlight the current input on the screen and press **CLEAR** to delete the program.

Note:

- Highlight **CLEAR** on the **PROG** screen and press **OK** to delete all programs.

4. Random Playback

- Press the **PLAYMODE** button.



- When **MODE** is highlighted, use **◀** or **▶** to select **RANDOM** mode. Then press **OK** to confirm.

Note:

- For VCD, it works in PBC OFF mode only.

5. Repeat Playback

A specific title, chapter or track can be played repeatedly.

Note: During DVD / SVCD playback, repeat playback is only available when PBC is OFF.

5.1 Repeating a Title/Chapter/Track/All disc



- Press the **PLAYMODE** button, then use **▲** or **▼** to select the **REPEAT** option.
- Use **◀** or **▶** button to select the repeat mode and press **OK** to confirm.

For DVD Disc: OFF > CHAPTER > TITLE

For CD / VCD / SVCD Disc: OFF > REP 1 > REP All

For MP3/JPEG/WMA files: OFF>REP DIR>REP1>REP ALL

5.2 Repeating a Specific Section

A-B repeat playback allows a specific section to be repeated.

- While the disc is playing, press the **A-B** button to set the beginning of the section (point A) to be played repeatedly.

REPEAT A-

- Press **A-B** button again to set the end of the section (point B) to be played repeatedly.

REPEAT A-B

- The unit will then immediately begin replaying the selection (A to B) repeatedly.
- Press the **A-B** button again to clear the programmed repeat playback and return to normal playback.

A-B CANCEL

- The **A-B** repeat function can only be used within the same title or track. If points A and B are defined in different titles or tracks, **A-B** repeat is cancelled.

6. VCD/SVCD Playback control

- While a VCD / SVCD is playing, press **ANGLE/PBC** repeatedly to switch between PBC (Playback Control) ON and OFF.

PBC: [ON]

- If PBC ON is selected, the Disc Menu (if available) will appear on the TV. Use **◀◀** / **▶▶** or Numeric keys (0-9) to select a play option.

PBC: [OFF]

- If PBC OFF is selected, the unit will skip the disc menu and start playback directly.

- Press **MENU** to return to the Disc Menu with PBC ON mode.

7. Bookmark



The Bookmark feature allows a point to be marked for playback.

7.1 Creating a Bookmark

- During DVD / CD / VCD playback, press **BOOKMARK** to access the bookmark menu.

- Press **OK** to add the first bookmark, then use the **◀** / **▶** buttons to move the cursor and press **OK** to add additional bookmarks.

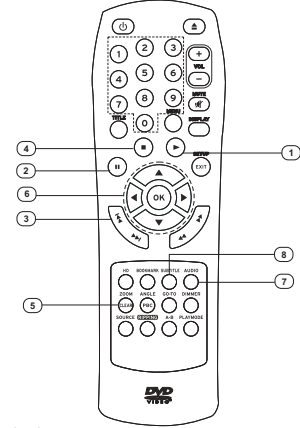
7.2 Recalling a Bookmark

- During playback, press **BOOKMARK** to access the bookmark menu.
- Use **◀** or **▶** button to highlight the desired bookmark and press **▶▶** to play from the bookmark point. Press **CLEAR** to delete the highlighted bookmark.

Note:

- For VCDs, this function works in PBC OFF mode only.

PLAYING MP3/JPEG/WMA/MPEG4 FILES



- ▶ (Play)**
Press to start playback.
- || (Pause)**
Press to pause the playback.
Press **||** again or **▶** to resume normal playback.
- ◀◀ / ▶▶ (Skip)**
Press to skip a track or picture forwards or backwards.
- (Stop)**
Press to stop playback and display the Selection Menu (For JPEG and movie files).

Note: Press **▶▶** to play from the beginning.

5. ZOOM/CLEAR

- ZOOM**
Press to zoom into the picture during a JPEG file slideshow or MPEG playback.
- CLEAR**
Press to delete the information you inputted.
- Active Navigation**
Press to rotate the pictures when playing the pictures.
Press to select a file and then press **OK** to confirm in the selection menu.
- Moves the picture frame in **ZOOM** status.
- Audio (MPEG 4)**
During playback, press **AUDIO** to show the current playback audio language.
- Press repeatedly to select the desired audio language.
- Subtitle (MPEG 4)**
The unit only can support the MPEG4 files with external subtitle.
- To use the subtitle function:
 - Download or create the subtitle file with specified format, e.g. Subrip (*.srt), MicroDVD (*.sub), SAMI Captioning (*.smi), SubViewer 2.0 (*.sub).
 - Name the MPEG 4 movie and subtitle file with the same characters (e.g. abc.avi & abc.srt). Burn them on to a CD disc or copy them into the USB device.
 - Insert the disc or USB device and select the MPEG4 file to play, then press **SUBTITLE** to turn subtitle on or off.

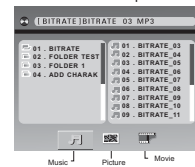
SELECTION MENU

The Selection Menu will appear when MP3/ WMA/JPEG/MPEG 4 files are read.

All folders will appear on the left side menu and numbered in ascending order. When one of the folders is highlighted, all the contents of the folder will be displayed on the right side.

Music/Picture/Movie files can be selected individually for desired playback. Use the navigation keys to highlight the Music/Picture/Movie icon at the bottom of Selection Menu and press **OK** to confirm.

Then select the files and press **OK** or **▶▶** to start playback.



[MUSIC] --- MP3 / WMA Files

The unit will play the MP3 / WMA file currently selected. It will then play all the files in the subfolders contained within its folder. After that, the unit will play the remaining folders on the disc.

[PICTURE] --- JPEG Files

Press **PLAY** **▶▶**, the unit will start the slideshow from the JPEG file currently selected. Then you can zoom or rotate the displayed pictures. You can also select a folder and display all the files in that folder. Select the folder of your choice and press the **▶▶** button.

[MOVIE] --- MPEG 4 Files

The unit will start to play the whole file currently selected.

Notes:

- MP3 and JPEG files can be played simultaneously.
- The highlighted icon at the bottom of the menu indicates what kind of file is playing.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

CD RIPPING