KENWOOD

DVD-RECEIVER

KDV-MP4339
KDV-MP4439
KDV-MP5032

INSTRUCTION MANUAL

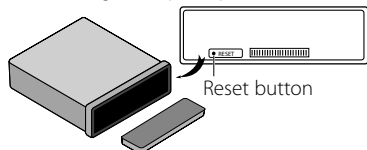Kenwood Corporation

Contents

Before use

⚠WARNING

To prevent injury or fire, take the following precautions:
• To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.

How to reset your unit
• If the unit fails to operate properly, press RESET button using a ball point pen or a similar tool.

Reset button

Cleaning the Unit
If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth.
If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth.

⚠
• Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erases characters.

Cleaning the Faceplate Terminals
If the terminals on the unit or faceplate get dirty, wipe them with a clean soft dry cloth.

Lens Fogging
When you turn on the car heater in cold weather, dew or condensation may form on the lens in the CD player of the unit. Called lens fogging, this condensation on the lens may not allow CDs to play. In such a situation, remove the disc and wait for the condensation to evaporate. If the unit still does not operate normally after a while, consult your Kenwood dealer.

• If you experience problems during installation, consult your Kenwood dealer.
• When you purchase optional accessories, check with your Kenwood dealer to make sure that they work with your model and in your area.
• The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may be inapplicable.

DVD is a trademark of DVD Format/Logo Licensing Corporation registered in the U.S., Japan and other countries.

Manufactured under license under U.S. Patent #: 5,451,942 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Out are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.

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

DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

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.

Before use

TV system selection

You must select the appropriate system mode for your TV system. When the selected system does not coincide with the system of your TV, normal colour picture may not be displayed.

- **AUTO**: Select when the unit is connected with Multi system TV.
- **NTSC**: Select when the unit is connected with NTSC-TV.
- **PAL**: Select when the unit is connected with PAL-TV.

1 Press [SRC] to select the CD/DVD.

2 Press [⏏] EJECT.

Confirm that no disc is loaded in the built-in player ("NO DISC" is displayed).

3 Press and hold [ENTER/ ▶II] ([II] on the remote control) for more than 5 seconds.

Each time you press and hold the button for more than 5 seconds, the TV system switches as follows:

PAL—AUTO—NTSC

Symbols used in this manual

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

 DVD DVD
 VCD Video CDs
 ACD Audio CDs
 MP3 MP3 files
 WMA WMA files

The marking of products using lasers (Except for some areas)

CLASS 1 LASER PRODUCT

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

About Audio file
- **Playable Audio file**
  MP3 (.mp3), WMA (.wma)
- **Playable disc file format**
  ISO 9660 Level 1/2, Joliet.

Although the audio files are complied with the standards listed above, the play maybe impossible depending on the types or conditions of media or device.

- **Playing order of the Audio file**
  In the example of folder/file tree shown below, the files are played in the order from ① to ⑩.
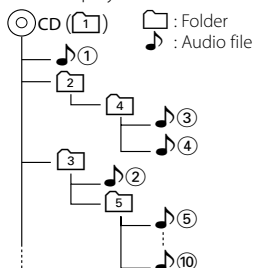
About DivX
DivX is a popular media technology created by DivX, Inc. DivX media Files contain highly compressed video with high visual quality that maintains a relatively small file size. DivX files can also include advanced media features like menus, subtitles, and alternate audio tracks. Many DivX media files are available for download online, and you can create your own using your personal content and easy-to-use tools from DivX.com.

About DivX Certified
DivX Certified products are officially tested by the creators of DivX and guaranteed to play of DivX video, without DivX 6.

Certified products qualify for one of several DivX Profiles that designate the type of video the product supports, from compact portable video to high-definition video.

Battery installation:
1. Remove the battery holder with a sharp object such as a ballpoint pen.
2. Install the battery on the battery holder.
3. Install the battery holder back into its original position.
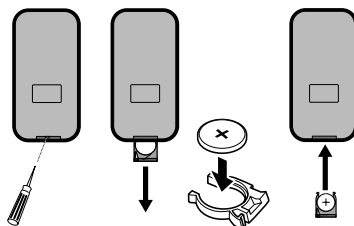
⚠WARNING
Keep the battery out of the reach of children. Should the battery be swallowed, consult a doctorimmediately.

⚠CAUTION
- Use one **CR2025 (3 V)** lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- Do not leave the product in a hot or humid place.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic materials.
- In the event of battery leakage, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, please comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

Using the remote control
Point the remote control in the direction of the control panel to operate.

- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal.

Before use

Region codes in the world

The DVD players are given a region code according to the country or area it is marketed, as shown in the following map.
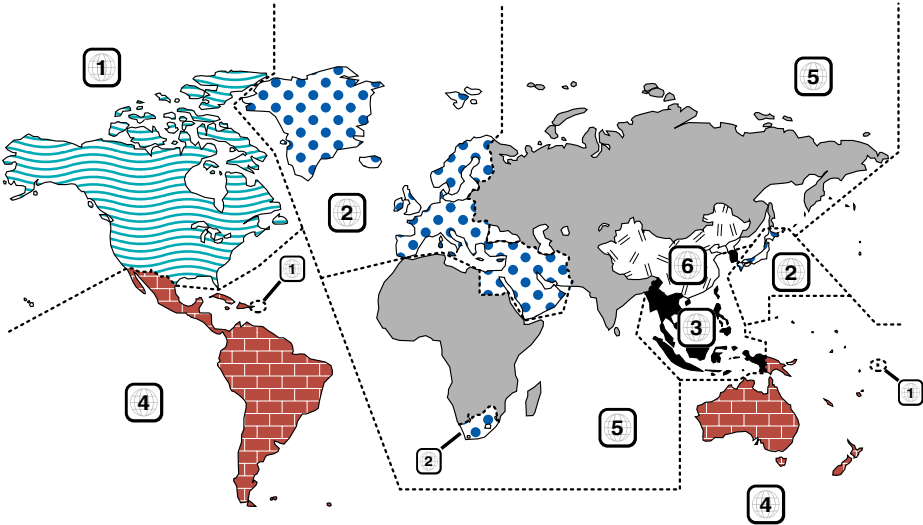
DVD disc marks

Symbol	Description
ALL	Indicates a region number. The discs with this mark can be played with any DVD player.
8	Indicates the number of audio languages recorded. Up to 8 languages can be recorded in a movie. You can select a favorite language.
32	Indicates the number of subtitled languages recorded. Up to 32 languages can be recorded.
9	If a DVD disc has scenes shot from multiple angles, you can select a favorite angle.
16:9 LB	Indicates the type of screen for the image. The left mark indicates that a wide image picture (16:9) is displayed on a standard TV set screen (4:3) with a black band at both the top and bottom of the screen (letter box).

Operation regulatory marks

With this DVD, some functions of this unit such as the play function may be restricted depending on the location where the DVD is playing. In this case, the following marks will appear on the screen. For more information, refer to the disc manual.

Prohibition Mark

List of playable discs

Disc types	Standard	Support	Remark
DVD	DVD Video	O	
	DVD Audio	×	
	DVD-R	O	MP3/WMA/JPEG/MPEG/DivX Playback VR mode/Multi-border/Multisession/CPRM not supported (Playback depends on authoring conditions)
	DVD-RW	O	
	DVD+R	O	
	DVD+RW	O	
	DVD-R DL (Double layer)	×	
	DVD+R DL (Double layer)	×	
	DVD-RAM	×	
CD	Music CD	O	
	CD-ROM	O	MP3/WMA/JPEG/DivX playback
	CD-R	O	
	CD-RW	O	Multisession supported Packet write not supported.
	DTS-CD	O	
	Video CD (VCD)	O	
	Super video CD	×	
	Photo CD	×	
	CD-EXTRA	△	Only music CD session can be played.
	HDCD	×	
	CCCD	×	
Others	Dualdisc	×	
	Super audio CD	×	

O : Playback is possible.
△ : Playback is partly possible.
× : Playback is impossible.

Use of "DualDisc"
When playing a "DualDisc" on this unit, the surface of the disc that is not played may be scratched while the disc is inserted or ejected. Since the music CD surface does not conform to the CD standard, playback may be impossible.
(A "DualDisc" is a disc with one surface containing DVD standard signals and the other surface containing music CD signals.)

Handling discs
• Do not touch the recording surface of the disc.
• CD-R/RW, DVD-R/RW, and DVD+R/RW discs are easier to be damaged than a ordinary music CD. Use a CD-R/RW, DVD-R/RW, or DVD+R/RW disc after reading the cautions on the package.
• Do not stick a tape, sticker, etc., on the disc.
  Also, do not use a disc with those materials pasted on it.

Discs that can not be used
• Discs that are not round cannot be used.
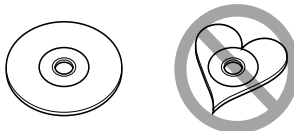
• Discs with coloring on the recording surface or that are dirty cannot be used.
• This unit can only play the CDs with one of ⌈disc⌉ ⌈disc⌉ ⌈disc⌉ labels.
  Discs without the label may not be played on the unit.
• A CD-R or CD-RW that hasn't been finalized cannot be played. (For the finalization process refer to your CD-R/CD-RW writing software, and your CD-R/CD-RW recorder instruction manual.)

Disc storage
• Do not leave discs place them in direct sunlight (On the seat or dashboard etc.) and where the temperature is high.
• Put discs in their cases and store them in such a storage as disc cabinet.

How to eject a disc
When ejecting a disc from this unit, pull it out horizontally.
If pulled out with a strong downward force, the recording surface of the disc may be scratched.
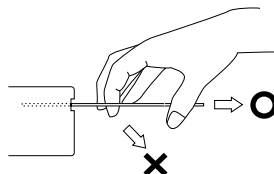
Component Names and Functions
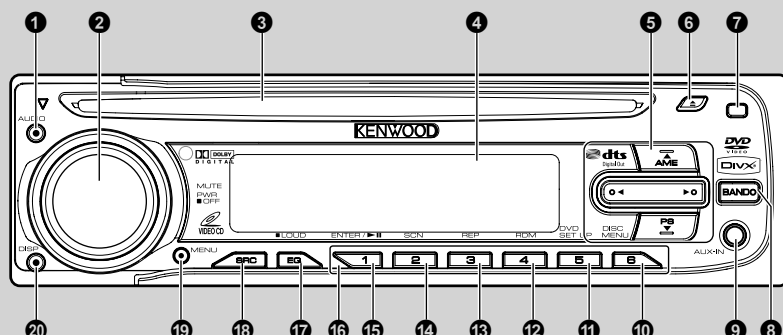
Control panel

➊ [AUDIO]

➋ VOL/MUTE/[PWR■OFF]

➌ Disc Slot

➍ Display

➎ [▲]/[▼]/[◄]/[►]
- Skip/Search **[◄]/[►]**
- Seek/Tune **[◄]/[►]**
- Folder Up/Down **[▲]/[▼]**
- Select **[▲]/[▼]/[◄]/[►]**

➏ [▲] EJECT

➐ FaceplateRelease

Press the Release button.
Releases the faceplate lock so that it can be removed.
Refer to the following diagram when reattaching the faceplate.

⚠
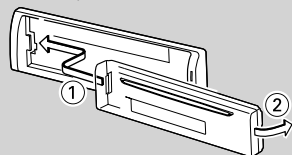
- The faceplate is a precision piece of equipment and can be damaged by shocks or jolts.
- Keep the faceplate in its faceplate case while detached.
- Do not place the faceplate (and the faceplate case) in areas exposed to direct sunlight, excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- To prevent deterioration, do not touch the terminals of the unit or faceplate with your fingers.

➑ [BAND]
- Selects 3 FM and MW bands.
- Moves to any other file on the disc with various types of files.

➒ AUX IN
Auxiliary input

➓ [DISC MENU]

⓫ [DVD SETUP]

⓬ [RDM]

⓭ [REP]

⓮ [SCN]

⓯ [ENTER/►II]
- Play/Pause **[►II]**
- Enter **[ENTER]**

⓰ [1] - [6]
Selects a stored radio station frequency.

⓱ [EQ/ ■LOUD]
- Equalizer **[EQ]**
- Loudness **[LOUD]**

⓲ [SRC]
Selects a source.

⓳ [MENU]

⓴ [DISP]
Accesses On-Screen display.

💬
- ■indicates the button operation (hold) activates the particular function.
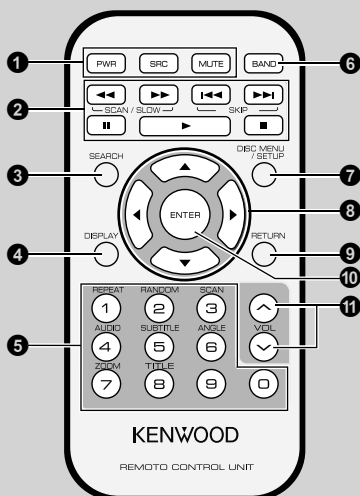
Remote control unit

❶ **[PWR]**
Switches the unit ON/OFF.

[SRC]
Selects a source.

[MUTE]
Mutes the volume.

❷ **[|◀◀]/[▶▶|] SKIP**
• Goes to the next (previous) chapter, track or file.
• Returns to the beginning of the current chapter, track, or file.

[◀◀]/[▶▶] SCAN/SLOW
Backward (Forward) search playback.

[❚❚] PAUSE
• Pause playback temporarily.
• Press repeatedly for frame-by-frame playback.

[▶] PLAY
Starts playback.

[■] STOP
Stops playback.

❸ **[SEARCH]**
Selects a track or file.

❹ **[DISPLAY]**
Accesses On-Screen display.

❺ **[0- 9]**
• Selects numbered items in the menu.
• Selects a stored radio station frequency (1 - 6).

[REPEAT]
Repeats chapter, track, title or file.

[RANDOM]
Plays tracks or files in random order.

[SCAN]
Plays the first 10 seconds of all track.

[AUDIO]
Selects audio language.

[SUBTITLE]
Selects subtitle language.

[ANGLE]
Selects a DVD camera angle if available.

[ZOOM]
Enlarges video image.

[TITLE]
Displays title menu, if available.

❻ **[BAND]**
• Selects 3 FM and MW bands.
• Moves to any other file on the disc with various types of files.

❼ **[DISC MENU]/[SETUP]**
• Accesses menu on a DVD disc.
• Accesses or removes the Setup menu.

❽ **[▲]/[▼]/[◀]/[▶] up/down/left/right**
Selects an item in the menu.

❾ **[RETURN]**
Displays the menu of a video CD with PBC.

❿ **[ENTER]**
Confirms menu selection.

⓫ **[VOL (UP +/ DOWN –)]**
Adjusts the volume level.

Basic Operation

Turning the unit on

1 Press any button ([PWR] on the remote control) other than eject [⏏] and release.

Turning the unit off

1 Press and hold the [OFF] ([PWR] on the remote control).

Inserting a disc

1 Draws the disc, and starts playback automatically.

⁂

- The DVD player plays one, standard 12-cm disc at a time. Playing back an 8-cm disc is not possible with this unit and can not use adapter.
- Do not insert anything other than a disc into the disc loading slot. Discs which can be played back are listed on Types of Playable Discs (page 7).

Ejecting a disc

1 Press [⏏]. The disc automatically ejects from the loading slot.

⁂

- When the disc is ejected by pressing [⏏] during playback, it will be loaded automatically after 10 seconds unless you remove the disc from the unit.

Selecting a source

1 Press [SRC] to select a source.
Press [SRC] repeatedly to switch between the following sources:
Tuner—CD/DVD—AUX (AUX IN)

Selecting a media type

When you select CD/DVD as a source, you can switch the MUSIC, PHOTO and MOVIE menu on a disc with audio, photo, and movie files.
Each menu has a media type indication tab which shows what media you are selecting.

1 Press [BAND] ([BAND] on the remote control) to select other media types.

Media type indication tab

⁂
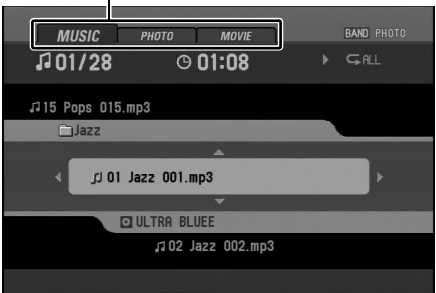
- For a disc with only audio files, "MUSIC" is displayed. If the disc has photo or movie files, "PHOTO" tab or "MOVIE" tab is displayed.

Adjusting the volume

1 Rotate [VOL] (Press [VOL +/−] on the remote control) to adjust the sound level.

⁂

- When you turn the unit off, the current volume level is automatically memorized. Whenever you turn the unit on again, it will operate at the memorized volume level.

Mute

1 Press [MUTE] to cut the sound.

2 To cancel it, press [MUTE] again.

Setting the clock

1 Press [DISP] .
The clock indicator appears.

2 Press and hold [DISP].
The clock (Hour/Minute) indicator flashes.

3 Press [◄] to adjust the hour.

4 Press [►] to adjust the minute.

Checking the clock

1 You can see the clock pressing [DISP] on the control panel.

Loudness

1 Press and hold [EQ/LOUD] to reinforce treble, bass and surround effect.
Loudness off (no display)—loudness on ("LOUD" indicator lights)

Using the EQ (Equalizer)

1 Press [EQ/LOUD] repeatedly.
The indicator lights in the following order.
POP—CLASSIC—ROCK—JAZZ—VOCAL— SALSA—SAMBA—USER1—USER2— off (no display)
- **POP**: Optimized for R&B, Soul and Country music.
- **CLASSIC**: Optimized for orchestral music.
- **ROCK**: Optimized for Hard Rock and Heavy Metal music.
- **JAZZ**: Sweet sound with soft feeling.
- **VOCAL**: Powerful realism with strong sound quality.
- **SALSA**: Reproduces salsa music acoustics.
- **SAMBA**: Reproduces samba music acoustics.
- **USER1**: Use the menu to set the sound level you want.
- **USER2**: Use the menu to set the sound level you want.

⟨≋⟩
- You can adjust each sound level to your preference. Once you select a USER mode and then make an adjustment, it automatically stored for the currently selected USER mode. Refer to Adjusting the sound level (page11).

Adjusting the sound level

1 Press [AUDIO] repeatedly to select the mode you want to adjust from volume, bass, middle, treble, balance and fader.
The indicator lights in the following order.
VOL — BAS— MID — TRB— BAL— FAD

2 Rotate [VOL] (Press [VOL +/−] on the remote control) to adjust the sound quality.

Indication	Turn right	Turn left
"VOL"	Increase the volume level.	Decrease the volume level.
"BAS"	Increase the bass level.	Decrease the bass level.
"MID"	Increase the middle level.	Decrease the middle level.
"TRB"	Increase the treble level.	Decrease the treble level.
"BAL"	Decrease the level of the left speaker(s).	Decrease the level of the right speaker(s).
"FAD"	Decrease the level of the front speaker(s).	Decrease the level of the rear speaker(s).

⟨≋⟩
- When EQ or LOUD is set to Off, you can adjustthe sound level (BAS, MID, TRB) settings.

Basic Operation

Changing the general settings

1 **Press [MENU] so that one of menu items appears.**

2 **Press [MENU] repeatedly to scroll between menus.**
AUX ON—AUX 0dB—DEMO OFF—BEEP 2ND

3 **Rotate [VOL] clockwise or counterclockwise to select one of the settings.**
The setting displayed on the display is set and automatically disappears after about 6 seconds.

• **AUX (Auxiliary) ON/OFF**
It is possible to use auxiliary equipment with this unit. Activate the auxiliary setting when using auxiliary equipment connected to this unit.
AUX ON: When using a auxiliary equipment.
AUX OFF: When not using a auxiliary equipment.

• **AUX (Auxiliary) 0 dB/+6 dB**
You can adjust the volume level of each source to prevent radical changes in volume when switching between sources. You can set to 0dB or +6dB. If the input level of the connected component is not high enough, increase the input level properly. Without adjusting the line input level, you may be surprised at a loud sound when you change the source from the external component to another source.

• **DEMO ON/OFF**
You can change the initial indication on the display to information name (function name, EQ name, etc...) while listen to a source.
DEMO ON: Displays information name while listen to source.
DEMO OFF: Cancels the function.

• **BEEP 2ND/ALL**
Sets the beep sound every time a button is pressed.
BEEP 2ND: The beep is generated when a key is long pressed (one sec.).
BEEP ALL: The beep is generated when any key is pressed.

⊜

• You can also select one of the settings by pressing [VOL+/–] on the remote control.

Tuner Operation

Listening to radio stations

1 **Press [SRC] to select the tuner.**

2 **Press [BAND] repeatedly to select a band.**
The indicator lights in the following order.
F1 (FM1)—F2 (FM2)—F3 (FM3)— MW (MW)

3 **Auto Search: Press [◄]/[►] ([◄]/[►] on the remote control).**
When a station is received, searching stops.

4 **Manual Search: Press and hold [◄]/[►] ([◄]/[►] on the remote control) until "MANUAL" appears, and then press it repeatedly.**
The frequencies move up or down step by step.

⏝
• When not operated for 6 seconds after manual search, the auto search tuner display is shown.

Storing broadcast frequencies

You can easily store up to 6 broadcast frequencies for later recall at the touch of a button.

1 **Press [BAND] to select desired band you want to store.**

2 **Select the desired frequency.**

3 **Press one of preset buttons [1] to [6] and hold until the beep sound.**
The number you have pressed will be displayed in the preset number indicator and then remain lit. The selected radio station frequency has been stored in memory.

4 **Repeat steps 1 to 3 to preset other stations.**
The next time, you press the same preset button, the radio station frequency is recalled from the memory.

⏝
• Up to 18 FM stations, 6 for each of 3 FM bands and 6 MW stations can be stored in the memory.
• When a new station is stored in the preset station button, the previously preset station is automatically erased.

Auto search memory

This function lets you automatically store the 6 strongest broadcast frequencies.

1 **Press [▲].**
The 6 strongest broadcast frequencies will be stored under preset buttons 1 to 6 in the order of their signal strength.

2 **To cancel, press [▲].**

To scan the preset stations

1 **Press [▼].**
Each preset station appears.

2 **To cancel, press [▼].**

To tune in the preset stations

1 **Press [BAND] to select the desired band.**

2 **Press the desired preset buttons [1] to [6].**
The preset station of the preset buttons [1] to [6] is displayed and the preset station is received.

CD/MP3/WMA Operation

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

- Sampling Frequency: 8 kHz to 48 kHz (MP3), 22.05 kHz to 48 kHz (WMA)
- Bit rate: 8 kbps to 320 kbps (include VBR) (MP3), 32 kbps to 320 kbps (WMA)
- CD-R/CD-RW physical format should be ISO9660.
- If you record MP3/WMA files using software which cannot create a FILE SYSTEM, it will not be possible to playback MP3/WMA files. MP3/WMA files are not compatible with packet write data transfer.
- The total number of files or folders on the disc should be less than 99 (Audio CD), 3 000 (MP3/WMA) and 251 (folder).

⁄⁀

- Customers should also note that permission is required in order to download MP3/WMA files and music from the Internet. Our company has no right to grant such permission. Permission should always be sought from the copyright owner.

Playing an Audio CD MP3/WMA disc

The unit can play MP3/WMA formatted recordings.

- Insert a disc in the unit.
  "READING" appears in the display, and playback starts automatically.

AUDIO CD mode

MP3/WMA mode

1. Current track number/Total track number
2. Elapsed time
3. Playback status (Play ►, Pause ‖, Scan ►►× 4, × 8, ◄◄× 4, × 8)
4. Current mode (Repeat, Intro scan, Random)
5. Previous track name
6. Album information in CD-TEXT
7. Current track name
8. Title and artist information in CD-TEXT
9. Next track name
10. Previous file name **MP3** **WMA**
11. Current folder name **MP3** **WMA**
12. Current file name **MP3** **WMA**
13. ID3 TAG information **MP3** **WMA**
14. Next file name **MP3** **WMA**

⁄⁀

- When a disc contains audio data (CD-DA) and other format audio data, only the audio data (CD-DA) can be played back.
- If you change the source, CD play also stops (without ejecting the disc). Next time you select CD as the source, CD play starts from where playback has been stopped previously.

Pause

1 Press [►II] ([II] on the remote control) during playback.

2 To return to playback, press [►II] (PLAY [►] or [II] on the remote control).

Skip to next track/file

1 Press briefly [►] ([►►|] on the remote control) to select the next track or file.

Skip to previous track/file

1 Press briefly [◄] ([|◄◄] on the remote control) and press again within 4 seconds of playing time.

Return to the beginning of the current track/file

1 Press briefly [◄] ([|◄◄] on the remote control) after 4 seconds of playing time.

Moving to another track/file

When a disc has more than one track/file, you can move to another track/file as follows:

1 Press [SEARCH] on the remote control.

2 Press the appropriate numbered button ([0] to [9]) to select a track/file number.

Search

When a disc has more than one track/file, you can move to another track/file as follows:

1 Press and hold [◄]/[►] ([◄◄]/[►►] on the remote control) to select the required speed during playback and then release at the point you want.

⌣

- Backward search: ◄◄×4, ◄◄×8
- Forward search: ►►×4, ►►×8

Intro scan

The first 10 seconds of each tracks/files (SCN) or each files in the current selected folder (⊡SCN) on the disc are are played.

1 Press [SCN].
"SCN" **ACD** (or "⊡SCN" **MP3** **WMA**) appears on the display.
- Press and hold [SCN] for about 2 seconds during playback. **MP3** **WMA**
"SCN" appears on the display.

2 Press [SCN] again.
"SCN" (or "⊡SCN") disappears from the display and the intro scan is cancelled.

Repeat

The current selected tracks/files (RPT) on the disc is played repeatedly.

1 Press [REP] during playback.
"REP" appears on the display.
- Press and hold [REP] for about 2 seconds during playback. **MP3** **WMA**
"RPT" appears on the display.

2 Press [REP] again.
"RPT" disappears from the display and the repeat mode is cancelled.

CD/MP3/WMA Operation

Random

All of the tracks/files (RDM) or the current selected folder (⌂RDM) on the disc is played randomly.

1 Press [RDM] during playback.

"RDM" `ACD` (or "⌂RDM" `MP3` `WMA`) appears on the display.

• Press and hold [RDM] for about 2 seconds during playback. `MP3` `WMA`

"RDM" appears on the display.

2 Press [RDM] again.

"RDM" (or "⌂RDM") disappears from the display and the random playback is cancelled.

⊜

• During random playback, if you press [◄] ([I◄◄] on remote control), you won't go back to the previous track.

CD TEXT/ID3 TAG

When playing a disc containing information, you can see the CD TEXT/ID3 TAG information. In a ID3 TAG, information about the file (album title, performer name, song title) is recorded. In a WMA content, information about the file (song title, performer name) is recorded. If there is no information, "NO TEXT" will be shown in the display.

1 Press [DISP] repeatedly during MP3/WMA/CD TEXT file playback.

To skip to the next or previous folder `MP3` `WMA`

1 Press [▲] to skip to the next folder, and press [▼] to skip to the previous folder.

⊜

• Time display appearing on the display part when playing VBR file may vary and there may be some difference from actual time (both progress time and VBR are displayed at the same time when playing file).

SETUP Menu

SETUP Menu

By using the Setup menu, you can make various adjustments to items such as picture and sound. You can also set a language for the subtitles and the Setup menu, among other things.

1 Press [DVD SETUP].
The "Setup menu" appears.
You can perform the same operation by pressing and holding [DISC MENU/SETUP] on the remote control.

2 Use [▲]/[▼] to select the desired option then press [▶] to move to the second level.
The screen shows the current setting for the selected item as well as alternate setting(s).

3 Use [▲]/[▼] to select the second desired option then press [▶] to move to the third level.

4 Use [▲]/[▼] to select the desired setting then press [ENTER] to confirm your selection.
Some items require additional steps.

5 Press [DVD SETUP].
The Setup menu ends.
You can perform the same operation by pressing [DISC MENU/SETUP] or pressing PLAY [▶] or [RETURN] on the remote control.

⊛
• Press [◀] to go back to the previous level.

Language

Menu Language

Select a language for the setup menu and onscreen display. If you select a language for the setup menu, the character set for MP3 tag, DivX subtitle is also changed according to the language. Refer to Notice for displaying the DivX subtitle (page 30).

Disc Audio/Subtitle/Menu

Select the language you prefer for the audio track of disc, subtitle, and the disc menu.

• **Original**: Refers to the original language in which the disc was recorded.
• **Other**: To select another language, press number buttons and then [ENTER] to enter the corresponding 4-digit number according to the language code list (page 32). If you enter the wrong language code, input the 4-digit number and press any number button. When – – – – appears on the screen, input the 4-digit number correctly.
• **Off**: This option is showed only in Disc Subtitle. If you select Off, disc subtitle is not displayed.

SETUP Menu

Display

TV Aspect

- **16:9**: Select when a 16:9 wide TV is connected.
- **4:3 Letter Box**: Select when a standard 4:3 TV is connected. Displays a wide picture with bands on the upper and lower portions of the screen.
- **4:3 Pan Scan**: Select when a standard 4:3 TV is connected. Automatically displays the wide picture on the entire screen and cuts off the portions that do not fit.

⌇
- In case of DivX file, TV Aspect of 4:3 Letter Box and 4:3 Pan Scan are the same.

B.L.E. (Black Level Expansion)

To select the black level of playback pictures. Set your preference and monitor's ability.

- **On**: Expanded grey scale.
- **Off**: Standard grey scale.

⌇
- The B.L.E. function works NTSC system only.

Audio

Each DVD disc has a variety of audio output options. Set the player's AUDIO options according to the type of audio system you use.
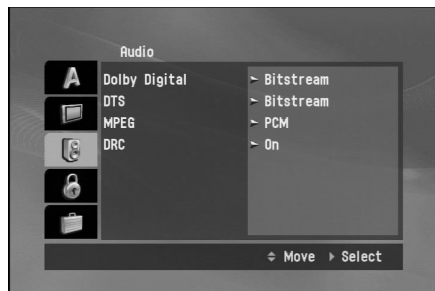
Dolby Digital/DTS/MPEG

- **Bitstream**: Select Bitstream if you connect the Digital optical out jack of this unit to an amplifier or other equipment with a Dolby Digital, DTS or MPEG decoder.
- **PCM**: Select when connected to a 2-channel digital stereo amplifier. DVDs encoded in Dolby Digital or MPEG will be automatically downmixed to 2-channel PCM audio.
- **Off (for DTS)**: If you select Off, the DTS signal is not output through the optical out jack.

Dynamic Range Control (DRC)

With the DVD format, you can hear a program's soundtrack in the most accurate and realistic presentation, thanks to digital audio technology. However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones). This allows you to listen to a movie at a lower volume without losing clarity of sound. Set DRC to On for this effect.

Lock (Parental Control)

To access the Rating, Password and Area Code features, you must input the 4- digit password you created. If you have not yet entered a password you are prompted to do so.
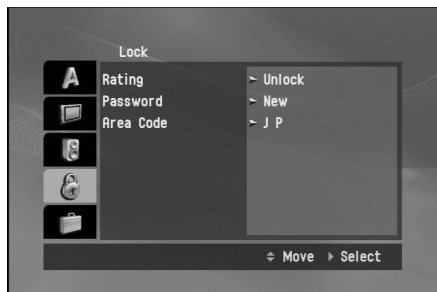
1 Input a 4-digit code and press [ENTER].
• If you made a mistake before pressing [ENTER], press [◄] to delete the digits one by one.

2 Enter it again and press [ENTER] to verify.

Rating

Some movies contain scenes that may not be suitable for children to view. Many of these discs contain parental control information that applies to the complete disc or to certain scenes on the disc. Movies and scenes are rated from 1 to 8, depending on the country. Some discs offer more suitable scenes as an alternative. The parental control feature allows you to block access to scenes below the rating you input, thereby preventing your children from being able to view material you believe is unsuitable.

1 Select Rating on the Lock menu then press [►].

2 Select a rating from 1 to 8 using the [▲]/[▼].
• Rating 1 to 8: Rating one (1) has the most restrictions and rating eight (8) is the least restrictive.
• Unlock: If you select Unlock, parental control is not active and the disc plays in full.

3 Press [ENTER] to confirm your rating selection.

• If you set a rating for the player, all disc scenes with the same rating or lower are played. Higher rated scenes are not played unless an alternate scene is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback stops. You must enter the 4-digit password or change the rating level in order to play the disc.

Password

You can enter or change password.

To make a new password:

1 Select Password on the Lock menu and then press [►].

2 Press [ENTER] when the New option is highlighted.

3 Enter a new password using the number buttons then press [ENTER].

4 Enter the password again to verify.

To change the password:

1 Select Password on the Lock menu and then press [►].

2 Press [ENTER] when the Change option is highlighted.

3 Enter a current password using the numbered buttons then press [ENTER].

4 Enter a new password using the numbered buttons then press [ENTER].

5 Enter the password again to verify.

If you forget your password

If you forget your password you can clear it using the following steps.

1 Press [DVD SETUP].
The "Setup menu" appears.
• You can perform the same operation by pressing and holding [DISC MENU/SETUP] on the remote control.

2 Input the 6-digit number "210499" and the password is cleared.

3 Enter a new password. Refer to To make a new password (page 19).

SETUP Menu

Area Code

Enter the code of the area whose standards were used to rate the DVD video disc, according to the area code. Refer to Area code list (page 33).

1 Select Area Code on the Lock menu then press [▶].

2 Follow the step 2 as shown on Rating on the previous page.

3 Select the first character using [▲]/[▼].

4 Press [ENTER] and select the second character using [▲]/[▼].

5 Press [ENTER] to confirm your country code selection.

Others
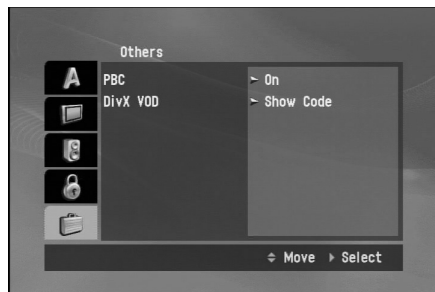
PBC

Set Playback Control (PBC) to On or Off.

- **On**: Video CDs with PBC are played according to the PBC.
- **Off**: Video CDs with PBC are played in the same way as Audio CDs.

⌒
- The PBC function is only available for playing the Video CD 2.0.

DivX VOD

We provide you the DivX VOD (Video On Demand) registration code that allows you to rent and purchase videos based on the DivX VOD service. For more information, visit www.divx.com/vod.

1 Select DivX VOD option and then press [▶].

2 Press [ENTER] while Show Code is selected and the registration code will appear.
Use the registration code to purchase or rent the videos from DivX VOD service at www.divx.com/vod.

3 Press [ENTER] to exit.
⌒
- All the downloaded videos from DivX VOD can only be played back on this unit.

DVD/VCD Operation

Displaying Disc Information on-screen

You can display various information about the disc loaded on-screen.
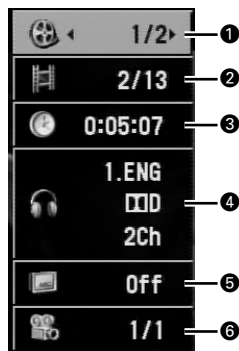
1. Title: Current title number/total number of titles
2. Chapter (Track): Current chapter (or track) number/total number of chapters (or tracks)
3. Time: Elapsed playing time
4. Audio: Selected audio language or channel
5. Subtitle: Selected subtitle
6. Angle: Selected angle/total number of angles

1 Press [DISPLAY] on the remote control during playback.
The displayed items differ depending on the disc type or playing status.

2 Press [▲]/[▼] to select an item.

3 Press [◄]/[►] to change or select the setting.
You can also use 0 to 9 if appropriate.
For some functions, press [ENTER] to execute the setting.

⁂

- If any button is not pressed for a few seconds, the on-screen display disappears.
- Some discs may not provide all of the features on the on-screen display example shown above. On a Video CD 2.0 with PBC, PBC will be displayed instead of the track number. Refer to PBC (page 20).

Playing a DVD and Video CD

1 Insert a disc in the unit.
"READING" appears on the display, and playback starts automatically.
- If playback does not start, press [►II] (PLAY [►] on the remote control).
- In some cases, the disc menu might appear instead.

⁂

- The menu screen may be displayed first after loading a DVD or Video CD 2.0 which offers a menu.
- If any button is not pressed after a disc is ejected, a disc is loaded automatically in about 10 seconds.
- If parental control is set and the disc is not within the rating settings you must input the password. See Lock (Parental Control) (page 19).
- DVDs may have a region code. Your player does not play discs that have a region code different from your player. About the region code, refer to Region code (page 6).

Pre-Stop

1 Press [■] on the remote control during playback.
"PRE-STOP" appears in the display.

2 To return to playback, if you press [►II] (PLAY [►] on the remote control) on the Pre-Stop mode, it will be played from this point you stop.

Stop

1 Press [■] on the Pre-Stop mode.

2 To return to playback, if you press [►II] (PLAY [►] on the remote control), it will be played from the beginning of the disc.

DVD/VCD Operation

Pause

1 **Press [▶II] ([II] on the remote control) during playback.**

2 **To return to playback, press [▶II] (PLAY [▶] on the remote control).**

Still picture and frame-by-frame playback

1 **Press [▶II] ([II] on the remote control) during playback.**
The unit will now go into the PAUSE mode.

2 **You can advance the picture frame-byframe by pressing [II] on the remote control repeatedly.**

3 **To return normal playback, press [▶II] (PLAY [▶] on the remote control).**

Slow motion

1 **Press [▶II] ([II] on the remote control) during playback.**
The unit will now go into the PAUSE mode.

2 **Use [◀◀]/[▶▶] on the remote control to select the required speed:**
◀II1/16, ◀II1/8, ◀II1/4, or ◀II1/2 (backward), or
I▶1/16, I▶1/8, I▶1/4, or I▶1/2 (forward)
With a Video CD, the Slow speed changes:
I▶1/16, I▶1/8, I▶1/4 or I▶1/2 (forward).

3 **To exit Slow Motion mode, press [▶II] (PLAY [▶] on the remote control).**

⟨💬⟩
• Slow motion playback in reverse is not possible with Video CDs.

Moving to another title   DVD

When a disc has more than one title, you can move to another title as follows:

1 **Press DISPLAY on the remote control and then press [▲]/[▼] to select the menu item (title).**

2 **Press the appropriate numbered button (0 to 9) to select a title number or [◀]/[▶] button.**

Moving to another chapter/track

When a title on a disc has more than one chapter or a disc has more than one track, you can move to another chapter/track as follows:

1 **Press [◀]/[▶] ([I◀◀]/[▶▶I] on the remote control) briefly during playback to select the next chapter/track or to return to the beginning of the current chapter/track.**

2 **Press [◀] ([I◀◀] on the remote control) twice briefly to step back to the previous chapter/track.**

3 **To go directly to any chapter during playback, press [DISPLAY] on the remote control and press [▲]/[▼] to select the chapter/track icon. Then, input the chapter/ track number or use [◀]/[▶].**

⟨💬⟩
• For 2 digit numbers, press the numbered buttons (0 to 9) in rapid succession.
• On a Video CD with PBC, you must set PBC to Off on the setup menu (page 20).

Skip to next chapter/track

1 **Press briefly [▶] ([▶▶I] on the remote control) to select the next chapter or track.**

Skip to previous chapter/track

1 Press briefly [◀] ([I◀◀] on the remote control) and press again within 4 seconds of playing time.

Return to the beginning of the current chapter/track

1 Press briefly [◀] ([I◀◀] on the remote control) after 4 seconds of playing time.

Scan

1 Press [◀◀]/[▶▶] on the remote control during playback.

2 Press [◀◀]/[▶▶] repeatedly on the remote control to select the required speed:
◀◀×2, ◀◀×4, ◀◀×8, ◀◀×16, ◀◀×32, ◀◀×100 (backward) or ▶▶×2, ▶▶×4, ▶▶ ×8, ▶▶×16, ▶▶×32, ▶▶×100 (forward)
With a Video CD, the scan speed changes: ◀◀×2, ◀◀×4, ◀◀×8, (backward) or ▶▶×2, ▶▶×4, ▶▶×8, (forward).

3 To return to normal playback, press [▶/II] (PLAY [▶] on the remote control).

Repeat

DVD - Chapter/Title/Off. The default settings is Off.

1 To repeat the chapter currently playing, press [REP] ([REPEAT] on the remote control).
The Chapter icon appears on the TV screen.

2 To repeat the title currently playing, press [REP] ([REPEAT] on the remote control) again.
The Title icon appears on the TV screen.

3 To exit the repeat mode, press [REP] ([REPEAT] on the remote control) again.
The Off icon appears on the TV screen.

VCD - Track/All The default settings is All.

1 To repeat the track currently playing, press [REP] ([REPEAT] on the remote control).
The Track icon appears on the TV screen.

2 To exit the repeat mode, press [REP] ([REPEAT] on the remote control) again.
The All icon appears on the TV screen.

⋐⋑
- On a Video CD with PBC, you must set PBC to Off on the setup menu (page 20).

Time search

The Time Search function allows you to start playing at any chosen time on the disc.

1 Press [DISPLAY] on the remote control during playback.
The on-screen display appears on the screen. The Time Search box shows the elapsed playing time of the current disc.

2 Within 10 seconds, press [▲]/[▼] to select the Time Search icon in the on-screen display.
The " – : – –: – –" appears in the Time Search box.

3 Within 10 seconds, use the number buttons to enter the required start time.
Enter hours, minutes, and seconds from left to right in the box.

4 Within 10 seconds, press [ENTER] to confirm the start time.
Playback starts from the selected time on the disc.
- If you enter an invalid time, playback will continue from the current point.

⋐⋑
- On a Video CD with PBC, you must set PBC to Off on the setup menu (page 20).

DVD/VCD Operation

Disc menu DVD

DVDs may offer menus that allow you to access special features.

1 Press [DISC MENU] ([DISC MENU/SETUP] on the remote control).
The disc menu is displayed.

2 Use [▲]/[▼]/[◄]/[►] to highlight your selection, then press [ENTER].

3 To remove the disc menu, press [DISC MENU] ([DISC MENU/SETUP] on the remote control) again.

PBC menu VCD

1 Press [DISC MENU/SETUP] or [RETURN] on the remote control to return to the menu screen.
Menu settings and operating procedures may differ. Follow the instructions on the each menu screen.
You also may set PBC to On under setup (page 20).

Camera angle

If the disc contains scenes recorded at different camera angles, you can change to a different camera angle during playback.

1 Press [ANGLE] repeatedly on the remote control during playback to select a desired angle.
The number of the current angle appears on the display.

Changing the audio language
DVD

1 Press [AUDIO] repeatedly on the remote control during playback to hear a different audio language.

Changing the audio channel
VCD

1 Press [AUDIO] repeatedly on the remote control during playback to hear a different audio channel (STEREO, Left or Right).

Subtitles DVD

1 Press [SUBTITLE] on the remote control repeatedly during playback to see the different subtitle languages.

⁅≡⁆
• If the icon ⊘ appears, the feature is not available on the disc.

Zoom

The zoom function allows you to enlarge the video image.

1 Press [ZOOM] repeatedly during playback or in the pause mode to enlarge the image.
• DVD : 100%—400%—1600%
• VCD : 100%—400%
You can move through the zoomed picture using [▲]/[▼]/[◄]/[►].

Photo Operation

JPEG/TIFF disc compatibility with this player is limited as follows:

- Depending upon the size and the number of JPEG/TIFF files, it could take a long time for this unit to read the disc's contents. If you do not see an on-screen display after several minutes, some of the files may be too large — reduce the resolution of the JPEG/TIFF files to less than 2M pixels as 2760 × 2 048 pixels and burn another disc.
- The total number of files on the disc should be less than 3 000.
- Some discs may be incompatible due to a different recording format or the condition of disc.
- Ensure that all the selected files have the .jpg or .tiff extensions when copying into the disc.
- If the files have .jpe or .jpeg extensions, please rename them as .jpg file.
- File names without .jpg or .tiff extension will not be able to be read by this unit. Even though the files are shown as JPEG or TIFF image files on the computer.
- Some JPEG/TIFF files may not operate due to a different encoding format or the condition of disc.

Viewing slide shows

This unit can play discs with JPEG or TIFF files.

1 Insert a disc in the unit.
For a disc that includes only photo files, "READING" appears on the display, and slide show starts automatically.

2 Press [DISPLAY] to show or hide the help bar while viewing the slide show.

3 Press [DISC MENU] ([DISC MENU/SETUP] or STOP [■] on the remote control) to return to the menu screen.
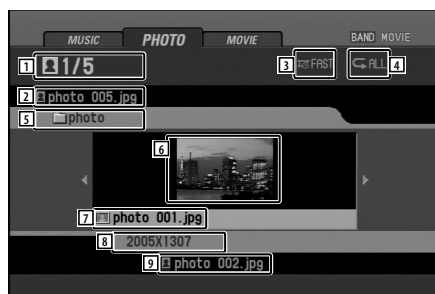
1. Current file number/Total file number
2. Previous file name
3. Slide show interval time (SLOW, NORMAL, FAST, OFF)
4. Repeat mode
5. Current folder name
6. Thumbnail image
7. Current file name
8. Resolution
9. Next file name

⁌
- For a disc that includes audio and movie files, the media type indicator tabs, MUSIC and MOVIE will be displayed along with PHOTO. To play the photo file, select PHOTO and then press [ENTER]/[▶/Ⅱ](PLAY [▶]on the remote control). About the the media type indicator tab, refer to Selecting a media type on page 10.

Photo Operation

Moving to another folder

1 **Press [▲]/[▼] to select the previous or next folder in the disc.**

Moving to another file

1 **Press [◄]/[►] to select the previous or next file in the selected folder.**

Slide show interval time

1 **Press [DISC MENU] ([DISC MENU/SETUP] or STOP [■] on the remote control) to return to the menu screen.**

2 **Press [◄◄]/[►►] on the remote control to select the option you want to use.**
It shows the slide show interval time:
FAST—OFF—SLOW—NORMAL
(FAST: 3 sec, NORMAL: 8 sec, SLOW: 13 sec)

Repeat

1 **Press [REP] ([REPEAT] on the remote control) to select the option you want to use.**
There are 2 repeat mode: ALL or FOLDER.
 • **ALL**: Plays repeatedly on the disc.
 • **FOLDER**: Plays repeatedly on the current folder.

Viewing still picture

1 **Press [►❚❚] ([❚❚] on the remote control) during the slide show.**
The player will now go into the pause mode.
 • If the slide show interval time is OFF, you cannot perform this function.

2 **To return to the slide show, press [►❚❚] again (PLAY [►] on the remote control).**

Zoom

1 **While viewing images, press [ZOOM] to enlarge the image (100%—400%—1600%).**
 • You can move through the zoomed picture using [▲]/[▼]/[◄]/[►].
 • To cancel the zoom mode, press PLAY [►] on the remote control.

 ⌣
 • The zoom function may not work when the size of the file is too small.

Rotating the picture

1 **During watching pictures, press [▲]/[▼] during showing a picture to rotate the picture clockwise or counter clockwise.**

Movie Operation

DivX disc compatibility with this player is limited as follows:

- Available resolution size of the DivX file is under 720×576 (W×H) pixel.
- The file name of the DivX subtitle is available by 25 characters.
- If the number of the screen frame is over 30 per 1 second, this unit may not operate normally.
- If the video and audio structure of recorded file is not interleaved, either video or audio is outputted.

Playable Movie file
.avi, .divx, .div, .asf

Playable subtitle format
.srt, .smi, .ssa, .sub, .txt, .ass

Playable Codec format
DivX3, DivX4, DivX5, Xvid, MP4S

Playable Audio format
Dolby Digital, MP3

- Sampling frequency: 48 kHz (Dolby Digital), within 8 kHz to 48 kHz (MP3)
- Bit rate: within 64 kbps to 640 kbps (Dolby Digital), within 8 kbps to 320 kbps (MP3)

Playing a movie file

This unit can play discs with movie files.

1 Insert a disc in the unit.
For a disc that includes movie files or movie/ photo files, "READING" appears in the display, and playback starts automatically.

2 Press [DISC MENU] ([DISC MENU/SETUP] or STOP [■] on the remote control) to return to the menu screen.

1. Current file number/Total file number
2. Elapsed time
3. Playback status (Pre stop ▮▮ ■, stop ■)
4. Repeat mode
5. Previous file name
6. Current folder name
7. Current file name
8. Subtitle file name
9. Next file name

{≣}

- For a disc that includes audio and photo files,the media type indicator tabs, MUSIC and PHOTO will be displayed along with MOVIE. To play the movie file, select MOVIE and then press [ENTER]/[▶/▮▮] (PLAY [▶] on the remote control). About the the media type indicator tab, refer to Selecting a media type on page 10.

Movie Operation

Playing DivX VOD content

Some DivX VOD (video on demand) content may only be playable a fixed number of times. When you load a disc containing this type of DivX VOD content, the remaining number of plays is shown on-screen and you then have the option of playing the disc (thereby using up one of the remaining plays), or stopping. If you load a disc that contains expired DivX VOD content (for example, content that has zero remaining plays), Rental expired is displayed.

• If your DivX VOD content allows an unlimited number of plays, then you may load the disc into your player and play the content as often as you like, and no message will be displayed.

⚛

• In order to play DivX VOD content on this unit, you first need to register the unit with your DivX VOD content provider. About your registration code, refer to DivX VOD (page 20)
• DivX VOD content is protected by a DRM (Digital Rights Management) system. This restricts playback of content to specific, registered devices.

Pre-Stop

1 Press [■] on the remote control during playback.
"PRE-STOP" appears in the display and the movie menu appears on the screen.

2 To return to playback, if you press [►II] (PLAY [►] on the remote control) on the Pre-Stop mode, it will be played from this point you stop.

Stop

1 Press [■] on the Pre-Stop mode.
"STOP" appears in the display and the movie menu appears on the screen.

2 To return to playback, if you press [►II] (PLAY [►] on the remote control), it will be played from the beginning of the current file.

Pause

1 Press [►/II] ([II] on the remote control) during playback.

2 To return to playback, press [►II] (PLAY [►] on the remote control).

Still picture and frame-by-frame playback

1 Press [►II] ([II] on the remote control) during playback.
The unit will now go into the PAUSE mode.

2 You can advance the picture frame-byframe by pressing [II] on the remote control repeatedly.

3 To return normal playback, press [►II] (PLAY [►] on the remote control).

Slow motion

1 Press [►II] ([II] on the remote control) during playback.
The unit will now go into the PAUSE mode.

2 Use [►►] on the remote control to select the required speed:
I►1/16, I►1/8, I►1/4, or I►1/2 (forward)

3 To exit Slow Motion mode, press [►II] (PLAY [►] on the remote control).

⌨

• Slow motion playback in reverse is not possible with movie file.

Scan

1 Press [◄◄]/[►►] on the remote control during playback.

2 Press [◄◄]/[►►] repeatedly on the remote control to select the required speed:
◄◄×2, ◄◄×4, ◄◄×16 ,◄◄×32 (backward) or ►►×2, ►►×4, ►►×16, ►►×32 (forward).

3 To return to normal playback, press [►/II] (PLAY [►] on the remote control).

Skip

1 Press [◄]/[►] ([I◄◄]/[►►I] on the remote control) during playback to select the next file or to return to the beginning of the current file.

2 Press [◄] ([I◄◄] on the remote control) twice briefly to step back to the previous file.

3 To go directly to any file on the movie menu, press [SEARCH] and then press the file number you want with number buttons ([0] to [9]).

Repeat

All files or the folder on the disc is played repeatedly. The default settings is All.

1 To repeat all files of current folder, press and hold [REP] ([REPEAT] on the remote control) during playback.
The Folder icon appears on the TV screen.

2 To repeat all files of the disc, press [REP] ([REPEAT] on the remote control) again during playback.
The All icon appears on the TV screen.

3 To repeat the current file, press [REP] ([REPEAT] on the remote control) during playback.
The File icon appears on the TV screen.

Time search

The Time Search function allows you to start playing at any chosen time on the file.

1 Press [DISPLAY] on the remote control during playback.
The on-screen display appears on the screen. The Time Search box shows the elapsed playing time of the current disc.

2 Within 10 seconds, press [▲]/[▼] to select the Time Search icon in the on-screen display.
The "– : – –: – –" appears in the Time Search box.

3 Within 10 seconds, use the number buttons to enter the required start time.
Enter hours, minutes, and seconds from left to right in the box.

4 Within 10 seconds, press [ENTER] to confirm the start time.
Playback starts from the selected time on the file.
• If you enter an invalid time, playback will continue from the current point.

Movie Operation

Changing the audio language

1 Press [AUDIO] repeatedly on the remote control during playback to hear a different audio language or audio file.

⌁

• If the icon⊘appears, the feature is not available on the disc.

Subtitles

1 Press [SUBTITLE] on the remote control repeatedly during playback to see the different subtitle languages.

⌁

• If the icon⊘appears, the feature is not available on the disc.

Notice for displaying the DivX subtitle

If the subtitle does not display properly during playback, please follow the steps below.

1 Press and hold [SUBTITLE] on the remote control for about 3 seconds.
The number of character set will appear.

2 Press [SUBTITLE] on the remote control to select another character set until the subtitle is displayed properly.

No.	Character set
CP1250	Central Europe
CP1251	Cyrillic
CP1252	West european latin
CP1253	Greek
CP1254	Turkish

⌁

• If the subtitle setup menu does not have the DivX subtitle language that you are going to play, the subtitle language may not be displayed properly.
• If you select a character set for DivX subtitle, the setting is also applied to MP3 tag.

AUX Operation

Playing an auxiliary equipment

Before operating the auxiliary equipment using the following procedure, select the external input correctly. Refer to AUX (Auxiliary) ON/ OFF (page 12). You can connect auxiliary equipment to this unit.

1 **Connect the auxiliary equipment to the auxiliary input on the unit.**
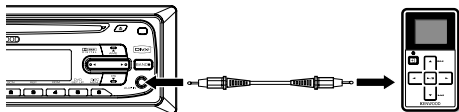
2 **Press [SRC] to select the AUX IN.**
"AUX IN" appears in the display.

3 **Turn on the connected auxiliary equipment and start playing the source.**

4 **Adjust the volume.**

⤷

• Connect a portable audio device with mini-plug cable (3.5 ø).
• Use the mini-plug cable which is stereo type and does not have any resistance.
• If the input level of the auxiliary equipment connected to the AUX input jack is not high enough, adjust the input level properly. Refer to AUX (Auxiliary) 0 dB/+6 dB (page 12).

Language code list

Enter the appropriate code number for the initial settings Disc Audio, SUBTITLE and/or Menu (page 17).

Language	Code	Language	Code	Language	Code
Abkhazian	6566	Gujarati	7185	Quechua	8185
Afar	6565	Hausa	7265	Rhaeto-Romance	8277
Afrikaans	6570	Hebrew	7387	Rumanian	8279
Albanian	8381	Hindi	7273	Russian	8285
Amharic	6577	Hungarian	7285	Samoan	8377
Arabic	6582	Icelandic	7383	Sanskrit	8365
Armenian	7289	Indonesian	7378	Scots Gaelic	7168
Assamese	6583	Interlingua	7365	Serbian	8382
Aymara	6588	Irish	7165	Serbo-Croatian	8372
Azerbaijani	6590	Italian	7384	Shona	8378
Bashkir	6665	Japanese	7465	Sindhi	8368
Basque	6985	Javanese	7487	Singhalese	8373
Bengali; Bangla	6678	Kannada	7578	Slovak	8375
Bhutani	6890	Kashmiri	7583	Slovenian	8376
Bihari	6672	Kazakh	7575	Somali	8379
Breton	6682	Kirghiz	7589	Spanish	6983
Bulgarian	6671	Korean	7579	Sudanese	8385
Burmese	7789	Kurdish	7585	Swahili	8387
Byelorussian	6669	Laothian	7679	Swedish	8386
Cambodian	7577	Latin	7665	Tagalog	8476
Catalan	6765	Latvian, Lettish	7686	Tajik	8471
Chinese	9072	Lingala	7678	Tamil	8465
Corsican	6779	Lithuanian	7684	Tatar	8484
Croatian	7282	Macedonian	7775	Telugu	8469
Czech	6783	Malagasy	7771	Thai	8472
Danish	6865	Malay	7783	Tibetan	6679
Dutch	7876	Malayalam	7776	Tigrinya	8473
English	6978	Maltese	7784	Tonga	8479
Esperanto	6979	Maori	7773	Turkish	8482
Estonian	6984	Marathi	7782	Turkmen	8475
Faroese	7079	Moldavian	7779	Twi	8487
Fiji	7074	Mongolian	7778	Ukrainian	8575
Finnish	7073	Nauru	7865	Urdu	8582
French	7082	Nepali	7869	Uzbek	8590
Frisian	7089	Norwegian	7879	Volapük	8679
Galician	7176	Oriya	7982	Welsh	6789
Georgian	7565	Panjabi	8065	Wolof	8779
German	6869	Pashto, Pushto	8083	Xhosa	8872
Greek	6976	Persian	7065	Yiddish	7473
Greenlandic	7576	Polish	8076	Yoruba	8979
Guarani	7178	Portuguese	8084	Zulu	9085

Area code list

Enter the appropriate code number for the initial setting Area Code (page 20).

Area	Code
Afghanistan	AF
Argentina	AR
Australia	AU
Austria	AT
Belgium	BE
Bhutan	BT
Bolivia	BO
Brazil	BR
Cambodia	KH
Canada	CA
Chile	CL
China	CN
Colombia	CO
Congo	CG
Costa Rica	CR
Croatia	HR
Czech Republic	CA
Denmark	DK
Ecuador	EC
Egypt	EG
El Salvador	SV
Ethiopia	ET
Fiji	FJ
Finland	FI
France	FR
Germany	DE
Great Britain	GB
Greece	GR
Greenland	GL

Area	Code
Heard and McDonald Islands	HM
Hong Kong	HK
Hungary	HU
India	IN
Indonesia	ID
Israel	IL
Italy	IT
Jamaica	JM
Japan	JP
Kenya	KE
Kuwait	KW
Libya	LY
Luxembourg	LU
Malaysia	MY
Maldives	MV
Mexico	MX
Monaco	MC
Mongolia	MN
Morocco	MA
Nepal	NP
Netherlands	NL
Netherlands Antilles	AN
New Zealand	NZ
Nigeria	NG
Norway	NO
Oman	OM
Pakistan	PK
Panama	PA

Area	Code
Paraguay PY	PY
Philippines	PH
Poland	PL
Portugal	PT
Romania	RO
Russian Federation	RU
Saudi Arabia	SA
Senegal	SN
Singapore	SG
Slovak Republic	SK
Slovenia	SI
South Africa	ZA
South Korea	KR
Spain	ES
Sri Lanka	LK
Sweden	SE
Switzerland	CH
Taiwan	TW
Thailand	TH
Turkey	TR
Uganda	UG
Ukraine	UA
United States	US
Uruguay	UY
Uzbekistan	UZ
Vietnam	VN
Zimbabwe	ZW

Accessories/ Installation Procedure

Accessories

① 1

② 2

③ 4

④ 4

Installation Procedure

1. To prevent a short circuit, remove the key from the ignition and disconnect the ⊖ battery.
2. Make the proper input and output wire connections for each unit.
3. Connect the speaker wires of the wiring harness.
4. Connect the wiring harness wires in the following order: ground, battery, ignition.
5. Connect the wiring harness connector to the unit.
6. Install the unit in your car.
7. Reconnect the ⊖ battery.
8. Press the reset button.

⚠️

• Mounting and wiring this product requires skills and experience. For safety's sake, leave the mounting and wiring work to professionals.
• Make sure to ground the unit to a negative 12V DC power supply.
• Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
• Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
• If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, as with battery wires, the battery may die.

• If the console has a lid, make sure to install the unit so that the faceplate will not hit the lid when closing and opening.
• If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.
• Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
• Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.
• When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal.
• After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
• Mount the unit so that the mounting angle is 30° or less.
• This unit has the cooling fan (page 36) to decrease the internal temperature. Do not mount the unit in a place where the cooling fan of the unit are blocked. Blocking these openings will inhibit the cooling of the internal temperature and result in malfunction.

Installation/Removing the Unit

Installation

Metal mounting strap
(commercially available)

Firewall or metal support

Bend the tabs of the
mounting sleeve with a
screwdriver or similar utensil
and attach it in place.

Self-tapping screw
(commercially available)

Screw (M4X8)
(commercially available)

⁂
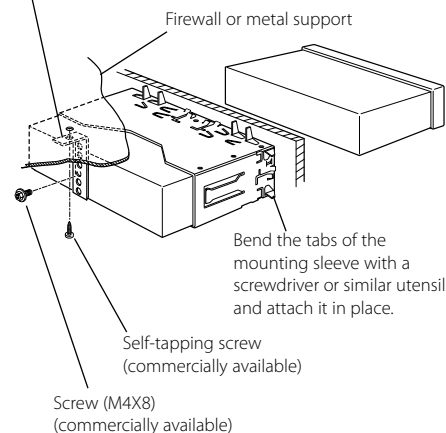
• Make sure that the unit is installed securely in place. If the
unit is unstable, it may malfunction (for example, the sound
may skip).

Japanese cars

1 Refer to the section <Removing the hard rubber
frame> and then remove the hard rubber frame.

2 Align the holes in the unit (two locations on each
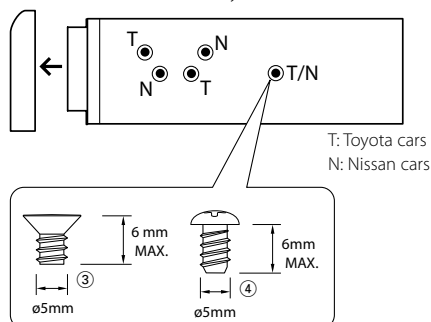side) with the vehicle mounting bracket and secure
the unit with the accessory screws.

T   N
N   T   ●T/N

T: Toyota cars
N: Nissan cars

6 mm
MAX.
③
ø5mm

6mm
MAX.
④
ø5mm

Accessory③...for Nissan car
Accessory④...for Toyota car

Removing the hard rubber frame

1 Extend top and bottom of the frame outwards to
remove the frame. (When reattaching the frame,
point the side with a groove downwards and
attach it.)

⁂
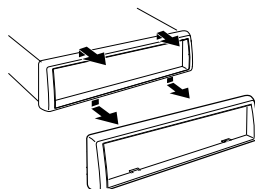
• It becomes easy to remove the frame if the faceplate is
released.

Removing the Unit

1 Refer to the section <Removing the hard rubber
frame> and then remove the hard rubber frame.

2 Remove the screw (M4 × 8) on the back panel.

3 Insert the two removal tools deeply into the slots
on each side, as shown.

4 Lower the removal tool toward the bottom, and
pull out the unit halfway while pressing towards
the inside.

Screw (M4X8)
(commercially available)

Accessory②

⚠
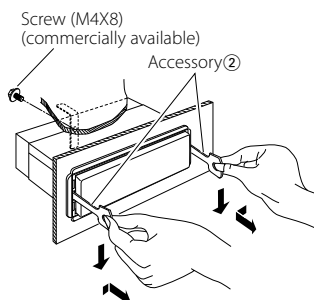
• Be careful to avoid injury from the catch pins on the
removal tool.

5 Pull the unit all the way out with your hands, being
careful not to drop it.

Connecting Wires to Terminals

Television monitor, etc
(optional accessory)

Visual output (Yellow)

VIDEO OUTPUT

Parking sensor wire Detection
cable (Light Green)

H.BRK

For the sake of safety, be
sure to connect the parking
sensor.

Cooling fan

Fuse (10A)

FM/AM antenna input

Antenna Cord

Digital optical out
(Do not use)

Subwoofer preout

Rear preout

Wiring harness
(Accessory①)

Connect either to the power control terminal when
using the optional power amplifier.

Power control wire (Blue/White)

REMOTE ON

Depending on what antenna you are using,
connect either to the control terminal of the motor
antenna, or to the power terminal for the booster
amplifier of the film-type antenna.

Motor antenna control wire (Blue)

POWER ANTENNA

Connect to the terminal that is grounded when
either the telephone rings or during conversation.

Mute wire (Orenge)

PHONE MUTE

To car light control switch

Dimmer control wire (Pink)

DIMMER

Ignition key
switch

Car fuse box

ACC

Ignition wire (Red)

TO IGNITION

Battery wire (Yellow)

TO BATTERY (+)

Car fuse box
(Main fuse)

Ground wire (Black) ⊖ (To car chassis)

GROUND(–)

Battery

Connector Function Guide

Connector Function Guide

Connector B

①③⑤⑦
②④⑥⑧

①③⑤⑦
②④⑥⑧

Connector A

Pin Numbers for ISO Connectors	Cable Colour	Functions
External Power Connector		
A-1*	Blue/White	Power control
A-2*	Orange	Phone Mute
A-4	Yellow	Battery
A-5	Blue	Power Antenna
A-6*	Pink	Dimmer
A-7	Red	Ignition (ACC)
A-8	Black	Earth (Ground) Connection
Speaker Connector		
B-1	Purple	Rear Right (+)
B-2	Purple/Black	Rear Right (–)
B-3	Gray	Front Right (+)
B-4	Gray/Black	Front Right (–)
B-5	White	Front Left (+)
B-6	White/Black	Front Left (–)
B-7	Green	Rear Left (+)
B-8	Green/Black	Rear Left (–)

• *You have to check connector pin function of a vehicle.

| FRONT LEFT SPEAKER (+) | White | ⊕ To front left speaker |
| FRONT LEFT SPEAKER (–) | White/Black | ⊖ |

| FRONT RIGHT SPEAKER (+) | Gray | ⊕ To front right speaker |
| FRONT RIGHT SPEAKER (–) | Gray/Black | ⊖ |

| REAR LEFT SPEAKER (+) | Green | ⊕ To rear left speaker |
| REAR LEFT SPEAKER (–) | Green/Black | ⊖ |

| REAR RIGHT SPEAKER (+) | Purple | ⊕ To rear right speaker |
| REAR RIGHT SPEAKER (–) | Purple/Black | ⊖ |
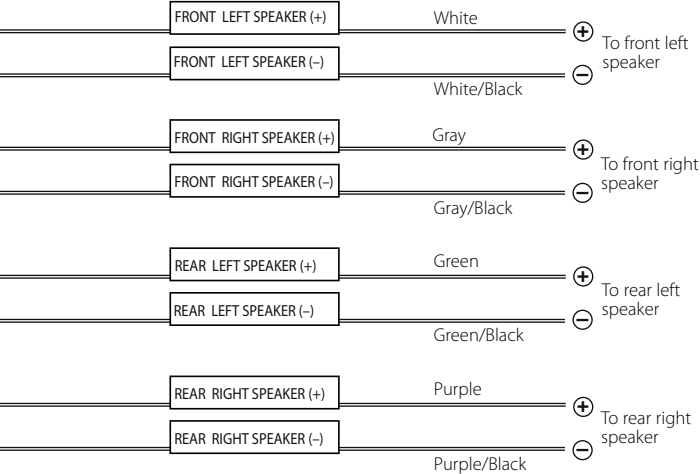
Troubleshooting Guide

What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

General

? The power does not turn ON.
- ✔ The fuse has blown.
  - ☞ After checking for short circuits in the wires, replace the fuse with one with the same rating.
- ✔ The speaker wire has a short-circuit or touches the chassis of the vehicle, and then the protection function is activated.
  - ☞ Wire or insulate the speaker cable properly and press the reset button.

? No sound can be heard, or the volume is low.
- ✔ The fader or balance settings are set all the way to one side.
  - ☞ Center the fader and balance settings.
- ✔ The input/output wires or wiring harness are connected incorrectly.
  - ☞ Reconnect the input/output wires or the wiring harness correctly. Refer to the <Connecting Wires to Terminals> (page 36).

? The sound quality is poor or distorted.
- ✔ One of the speaker wires is being pinched by a screw in the car.
  - ☞ Check the speaker wiring.
- ✔ The speakers are not wired correctly.
  - ☞ Reconnect the speaker wires so that each output terminal is connected to a different speaker.

Tuner source

? Radio reception is poor.
- ✔ The car antenna is not extended.
  - ☞ Pull the antenna out all the way.
- ✔ The antenna control wire is not connected.
  - ☞ Connect the wire correctly, referring to the <Connecting Wires to Terminals> section (page 36).

Disc source

? The specified disc does not play, but another one plays instead.
- ✔ The specified CD is quite dirty.
  - ☞ Clean the CD.
- ✔ The disc is severely scratched.
  - ☞ Try another disc instead.

Audio file source

? The sound skips when an Audio file is being played.
- ✔ The media is scratched or dirty.
  - ☞ Clean the media, referring to the CD cleaning of the section on <Handling discs> (page 7).
- ✔ The recording condition is bad.
  - ☞ Record the media again or use another media.

Specifications

FM tuner section (KDV-MP4339/MP4439)

Frequency range (50 kHz space)
  : 87.5 MHz – 108.0 MHz
Signal to Noise ratio (MONO)
  : 57 dB
Stereo separation (1 kHz)
  : 25 dB

FM tuner section (KDV-MP5032)

Frequency range (100 kHz space)
  : 87.5 MHz – 108.0 MHz
Signal to Noise ratio (MONO)
  : 57 dB
Stereo separation (1 kHz)
  : 25 dB

MW tuner section (KDV-MP4339/MP4439)

Frequency range (9 kHz space)
  : 522 kHz – 1620 kHz
Usable sensitivity (S/N = 20dB)
  : 28 µV

MW tuner section (KDV-MP5032)

Frequency range (10 kHz space)
  : 520 kHz – 1720 kHz
Usable sensitivity (S/N = 20dB)
  : 28 µV

DVD player section

D/A Converter
  : 24 bit
Decoder
  : Linear PCM/ Dolby Digital/ dts/ MP3/ WMA
Wow & Flutter
  : Below Measurable Limit
Frequency Response
  Sampling frequency; 96 kHz : 20 – 44,000 Hz
  Sampling frequency; 48 kHz : 20 – 22,000 Hz
  Sampling frequency; 44.1 kHz : 20 – 20,000 Hz
Total Harmonic Distortion
  : 0.05 % (1 kHz)
S/N Ratio (dB)
  : 100 dB (1 kHz)
Dynamic Range
  : 96 dB
Sampling frequency
  : 32/ 44.1/ 48/ 96 kHz
Quantifying bit number
  : 16/ 20/ 24 bit
MP3 Decode
  : Compliant with MPEG-1/2 Audio Layer-3
WMA Decode
  : Compliant with Windows Media Audio

Audio section

Maximum output power
  : 50 W x 4
Full Bandwidth Power (at less than 1% THD)
  : 25 W x 4
Speaker Impedance
  : 4 – 8 Ω
Tone action
  Bass : 100 Hz ±8 dB
  Middle : 1 kHz ±8 dB
  Treble : 10 kHz ±8 dB
Preout level / Load (CD)
  : 4000 mV/47 kΩ
Preout impedance
  : ≤ 600 Ω

Auxiliary input

Frequency response (±3 dB)
  : 20 Hz – 20 kHz
Input Maximum Voltage
  : 1200 mV
Input Impedance
  : 100 kΩ

General

Operating voltage (11 – 16V allowable)
  : 14.4 V
Current consumption
  : 10 A
Installation Size (W x H x D)
  : 182 x 53 x 165 mm
Weight
  : 1.70 kg

Specifications subject to change without notice.

KENWOOD