

Operation Manual

DVD RECEIVER

DVH-P4050MP

SUPER  **TUNER III D**

English

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly. *After you have finished reading the instructions, keep this manual in a safe place for future reference.*



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Precautions

IMPORTANT SAFEGUARDS

WARNING

- **Do not attempt to install or service your display by yourself. Installation or servicing of the display by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock or other hazards.** ■

Precautions

To ensure safe driving

WARNING

- To avoid the risk of accident and the potential violation of applicable laws, the front DVD or TV (sold separately) feature should never be used while the vehicle is being driven. Also, rear displays should not be in a location where it is a visible distraction to the driver.
- In some countries or states the viewing of images on a display inside a vehicle even by persons other than the driver may be illegal. Where such regulations apply, they must be obeyed and this unit's DVD features should not be used.
- **NEVER** install the display in a location that enables the driver to watch the DVD or Video CD while driving.

When you park your car in a safe place and apply the parking brake, the picture appears on the screen. ■

About this unit

⚠ CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and over-heating could result from contact with liquids.
- "CLASS 1 LASER PRODUCT"
This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.
- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so that you can hear sounds from outside the vehicle.
- Protect this unit from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.
- If this unit does not operate properly, contact your dealer or nearest authorized Pioneer Service Station.

Playable discs

DVD, Video CD and CD discs that display the logos shown below can be played back on this player.

DVD video



Video CD



CD



✎ Notes

- **DVD** is a trademark of DVD Format/Logo Licensing Corporation.
- This player can only play back discs bearing the marks shown above.

DVD video disc region numbers

DVD video discs that have incompatible region numbers cannot be played on this player. The region number of the player can be found on the bottom of this unit.

The illustration below shows the regions and corresponding region numbers.



About this manual


This unit features a number of sophisticated functions ensuring superior reception and operation. All the functions have been designed for the easiest possible use, but many are not self-explanatory. This operation manual will help you benefit fully from this unit's potential and to maximize your listening enjoyment. We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you begin using this unit. It is especially important that you read and observe **WARNINGs** and **CAUTIONs** in this manual. ▣

Before You Start

Visit our website

Visit us at the following site:

<http://pioneer.jp/group/index-e.html>

- We offer the latest information about Pioneer Corporation on our website. 

Features

DVD-R/RW compatibility

It is possible to play back DVD-R/RW discs recorded with the video format and Video Recording format. (Refer to *DVD-R/DVD-RW discs* on page 57.)

Video CDs featuring PBC compatibility

It is possible to play back Video CDs featuring PBC (playback control).

WMA, MP3 and AAC compatibility

Refer to *Compressed audio compatibility* on page 59.

DivX® video compatibility

Refer to *DivX compatibility* on page 60.

Dolby Digital/DTS compatibility

When using this unit with a Pioneer multi-channel processor, you can enjoy the atmosphere and excitement provided by DVD movie and music software featuring 5.1 channel recordings.

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



- 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.



This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

About WMA



The Windows Media™ logo printed on the box indicates that this unit can play back WMA data.

- Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
- This unit may not operate correctly depending on the application used to encode WMA files.

About MP3

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit <http://www.mp3licensing.com>.

About AAC

This unit plays back AAC files encoded by iTunes®.

- iTunes is a trademark of Apple Inc., registered in the U.S. and other countries.


About DivX



DivX is a compressed digital video format created by the DivX® video codec from DivX, Inc. This unit can play DivX video files recorded on CD-R/RW/ROM and DVD-R/RW/ROM discs. Keeping the same terminology as DVD video, individual DivX video files are called "Titles". When naming files/titles on a CD-R/RW or a DVD-R/RW disc prior to burning, keep in mind that by default they will be played in alphabetical order.






Official DivX® Certified product

Plays all versions of DivX® video (including DivX® 6) with standard playback of DivX® media files


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



What the marks on DVDs indicate

The marks below may be found on DVD disc labels and packages. They indicate the type of images and audio recorded on the disc, and the functions you can use.

Mark	Meaning
	Indicates the number of audio systems.
	Indicates the number of subtitle languages.
	Indicates the number of viewing angles.
	Indicates the picture size (aspect ratio: screen width-to-height ratio) type.
	Indicates the number of the region where playback is possible.

When an operation is prohibited

When you are watching a DVD and attempt to perform an operation, it may not be performed because of the programming on the disc. When this happens, the icon  appears on the screen.

- The icon  may not appear with certain discs. 

Protecting your unit from theft

The front panel can be detached to deter theft.



Important

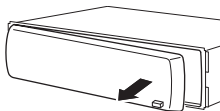
- Never use force or grip the display and the buttons too tightly when removing or attaching.
- Avoid subjecting the front panel to excessive shock.

Before You Start

- Keep the front panel out of direct sunlight and high temperatures.

Removing the front panel

- 1 Press **DETACH** to release the front panel.
- 2 Grab the front panel and remove.

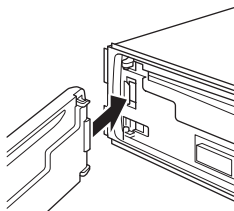


- 3 Put the front panel into the provided protective case for safe keeping.

Attaching the front panel

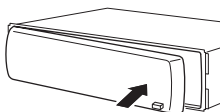
- 1 Slide the front panel to the left until it clicks.

Front panel and the head unit are jointed on the left side. Make sure that the front panel has been jointed to the head unit.



- 2 Press the right side of the front panel until it is firmly seated.

- If you can't attach the front panel to the head unit successfully, try again. Front panel may be damaged if you attach the front panel forcedly.

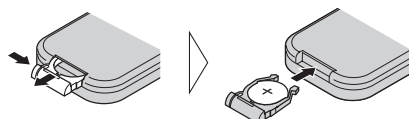


Use and care of the remote control

Installing the battery

Slide the tray on the back of the remote control out and insert the battery with the plus (+) and minus (-) poles aligned properly.

- When using for the first time, pull out the film protruding from the tray.



! WARNING

Keep the battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.

! CAUTION

- Use one **CR2025 (3 V)** lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.
- Always check carefully that you are loading the battery with its plus (+) and minus (-) poles facing the proper directions.

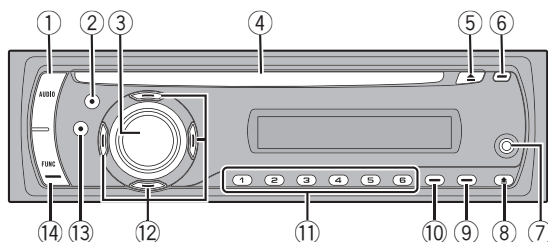
Using the remote control

- ▣ Point the remote control in the direction of the front panel to operate.
 - The remote control may not function properly in direct sunlight.

**Important**

- 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.

Operating this unit



What's What

Head unit

① AUDIO button

Press to select various sound quality controls.

② BAND button

Press to select among three FM bands and one AM band and to cancel the control mode of functions.

③ SOURCE button, VOLUME

This unit is turned on by selecting a source. Press to cycle through all the available sources.

Rotate it to increase or decrease the volume.

④ Disc loading slot

Insert a disc to play.

⑤ EJECT button

Press to eject a disc from this unit.

⑥ CLOCK button

Press to change to the clock display.

⑦ AUX1 input jack (3.5 mm stereo/video jack)

Use to connect an auxiliary device.

⑧ DETACH button

Press to remove the front panel from the head unit.

⑨ EQ button

Press to select various equalizer curves.

⑩ SW button

Press to select the subwoofer setting menu. Press and hold to select the bass boost setting menu.

⑪ 1 to 6 buttons

These buttons can perform the same operation as **NUMBER (1 to 6)** buttons on the remote control. Press for preset tuning and disc number search when using a multi-CD/DVD player.

⑫ ▲/▼/◀/▶ buttons

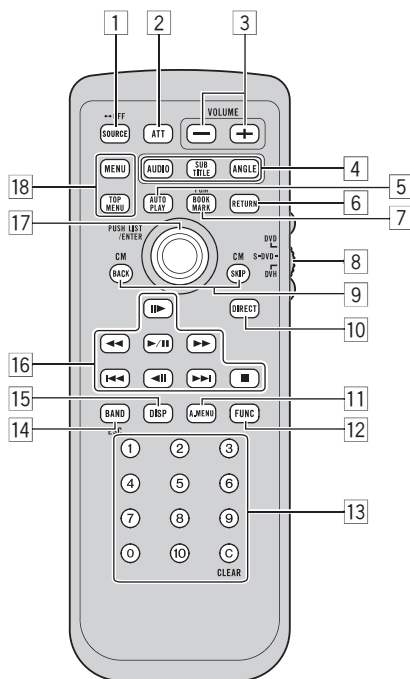
Press to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.

⑬ DISPLAY button

Press to select different displays.

⑭ FUNCTION button

Press to select functions.



Remote control

	Button names	DVH mode	DVD and S-DVD mode
1	SOURCE button	Press to cycle through all the available sources. Press and hold to turn the source off.	
2	ATT button	Press to quickly lower the volume level by about 90%. Press once more to return to the original volume level.	
3	VOLUME buttons	Press to increase or decrease the volume.	
4	AUDIO button	Press to change the audio language during DVD playback.	
	SUBTITLE button	Press to change the subtitle language during DVD playback.	
	ANGLE button	Press to change the viewing angle during DVD playback.	
5	AUTO PLAY button	Press to turn the DVD auto-playback function on or off.	
6	RETURN button	Press to display the PBC (playback control) menu during PBC playback.	
7	BOOKMARK button	Press to operate the preprogrammed functions for each source. (Refer to <i>Using the PGM button</i> on page 49.)	Press to turn the bookmark function on or off. For details, refer to <i>Resume playback (Bookmark)</i> on page 21.

Operating this unit

8	Remote control operation mode switch	Switch the operation mode between DVD , S-DVD and DVH modes. Normally, set to DVH . For details, refer to <i>Using the remote control operation mode switch</i> on the next page.	
9	CM BACK/CM SKIP	Press to skip progressively backward/forward through the video playing.	
10	DIRECT button	Press to do direct channel select.	Not used.
11	A.MENU button	Functions are the same as AUDIO button on the head unit. Press to select various sound quality controls.	
12	FUNCTION button	Press to select functions.	
13	NUMBER button, CLEAR button	Press 0 to 9 to input numbers. Buttons 1 to 6 can operate the preset tuning for the tuner or disc changing for multi-DVD player or multi-CD player. Press CLEAR to clear the input numbers.	Press to select a menu item on the Video CDs featuring PBC (playback control).
14	BAND button	Press to select among three FM bands and to cancel the control mode of functions.	Press to switch between media file types. (Refer to <i>Switching the media file type</i> on page 16.)
15	DISPLAY button	Press to turn the information display on or off when the video is displayed. Depending on the selected source, pressing this button can switch the display indication on the head unit.	
16	PLAY/PAUSE (▶/⏸) button	Press to switch sequentially between playback and pause.	
	REVERSE (◀◀) button	Press to perform fast reverse.	
	FORWARD (▶▶) button	Press to perform fast forward.	
	PREVIOUS (◀◀) button	Press to return to the previous track (chapter).	
	NEXT (▶▶) button	Press to go to the next track (chapter).	
	STEP (◻▶/◻◀) buttons	Press to move ahead one frame at a time during DVD/VideoCD playback. Press and hold for one second to activate slow playback. If a DVD-VR disc contains a still image, press ◻▶ while displaying a still image to switch to the next image or video.	
	STOP (■) button	Not used.	Press to stop playback.
17	Move the thumb pad	Functions are the same as ▲/▼/◀/▶ buttons. Move to do fast forward, reverse and track search controls. Also used for controlling functions.	Move to select a menu on the DVD menu.
	Click the thumb pad	Click to display the disc title list, track title list, folder list or file list depending on the source.	Click to select a menu on the DVD menu.
18	MENU button	Press to display the DVD menu during DVD playback.	
	TOP MENU button	Press to return to the top menu during DVD playback.	

Using the remote control operation mode switch

There are three remote control operation modes on the remote control. If you want to operate this unit by remote control, turn the mode switch to **DVH** mode. In this case, both the head unit's buttons and remote control can control this unit.

DVH mode operation

When operating this unit by remote control, the mode is normally switched to **DVH**.

- The thumb pad on the remote control can perform the same operations as ▲/▼/◀/▶ buttons.
- Numbers (**1** to **6**) can perform the same operations as **1** to **6** buttons on the head unit.
 - If you want to select a disc located at 7 to 12 by using buttons **1** to **6**, press and hold the corresponding numbers, such as **1** for disc 7, until the disc number appears in the display.

DVD mode operation

If you switch the mode to **DVD**, the thumb pad and **0** to **10** operations are changed for DVD player.

● When you want to operate the following functions, switch the mode to **DVD**:

- When operating the DVD menu by using the thumb pad. (Refer to *Basic operation of DVD video* on page 18.)
- When operating the PBC menu by using **0** to **10**. (Refer to *Watching a Video CD* on page 24.)
- When specifying title or track by using **0** to **10**. (Refer to *Specifying title* on page 18 and *Specifying track* on page 25.)
- When operating the DVD setup menu by using the thumb pad. (Refer to *Setting up the DVD player* on page 40.)

S-DVD mode operation

Set to **S-DVD** mode if separately sold Pioneer DVD player or Multi-DVD player is controlled by this remote control.

Separately sold DVD player or multi-DVD player is connected to this unit as an external unit. For details concerning operation, refer to instruction manual of the connected DVD player. Various operations can also be conducted with this unit's remote control which is set to **S-DVD** mode.

S-DVD mode operation are basically the same as that of the **DVD** mode operation.

If Pioneer DVD player (SDV-P7) is connected to this unit as a source DVD player, remote control code setting should be **A** in the initial settings of SDV-P7. Otherwise, the supplied remote control cannot control SDV-P7.

Operating this unit

Basic Operations

Power ON/OFF

Turning the unit on

- Press **SOURCE** to turn the unit on.

Turning the unit off

- Press **SOURCE** and hold until the unit turns off.

Selecting a source

- Press **SOURCE** repeatedly to switch between the following sources.

TUNER (tuner)—**DVD** (built-in DVD player)—**MULTI CD** (multi-CD player)—**EXTERNAL** (external unit 1)—**EXTERNAL** (external unit 2)—**AUX1** (AUX 1)—**AUX2** (AUX 2)

Notes

- In the following cases, the sound source will not change.
 - When no unit corresponding to the selected source is connected.
 - When there is no disc or magazine in the player.
 - When AUX (auxiliary input) is set to off (refer to page 46).
- AUX1 is set to **AUDIO** by default. Set the AUX1 to **OFF** when not in use (refer to *Switching the auxiliary setting* on page 46).
- External unit refers to a Pioneer product (such as ones available in the future) that, although incompatible as a source, enables control of basic functions with this unit. Two external units can be controlled with this unit. When two external units are connected, the external unit is automatically allocated to external unit 1 or external unit 2 by this unit.
- When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off.

Built-in DVD player basic operations

Playing a disc

- **Insert a disc into the disc loading slot.**
 - If you are playing a DVD or Video CD, a menu may appear. Refer to *Basic operation of DVD video* on page 18 and *Basic operation of Video CD* on page 24.
 - When the automatic playback function is on, this unit will cancel the DVD menu and automatically start playback from the first chapter of the first title. Refer to *Automatic playback of DVDs* on page 21.
 - You can eject a disc by pressing **EJECT**.

Notes

- The DVD player plays one, standard, 12-cm or 8-cm (single) disc at a time. Do not use an adapter when playing 8-cm discs.
- Do not insert anything other than a disc into the disc loading slot. Discs which can be played back are listed on *Playable discs* on page 6.
- If bookmark function is on, DVD playback resumes from the selected point. For more details, refer to *Resume playback (Bookmark)* on page 21.
- If a disc contains a mixture of various media file types such as DivX and MP3, you can switch between media file types to play. Refer to *Switching the media file type* on the next page.
- If you cannot insert a disc completely or if after you insert a disc the disc does not play, check that the label side of the disc is up. Press **EJECT** to eject the disc, and check the disc for damage before inserting it again.
- There is sometimes a delay between starting up disc playback and the sound being issued. When being read, **FRMT READ** is displayed.
- If an error message is displayed, refer to *Error messages* on page 55.

Switching the media file type

When playing a disc containing a mixture of various media file types such as DivX and MP3, you can switch between media file types to play.


- This unit allows playback of the following media file type recorded on CD-R/RW/ROM discs.
 - Audio data (CD-DA)
 - Compressed audio files
 - DivX video files
- In case of DVD-R/RW/ROM, this unit does not allow playback of audio data (CD-DA).

- Press **BAND** to switch between media file types.

Adjusting the volume

- Use **VOLUME** to adjust the sound level.

With the head unit, rotate **VOLUME** to increase or decrease the volume.

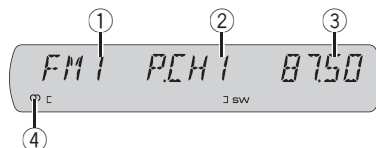
With the remote control, press **VOLUME** to increase or decrease the volume. 


Tuner

Basic Operations

Important

If you are using this unit in North, Central or South America, reset the AM tuning step (see *Setting the AM tuning step* on page 45).



- ① Band indicator
- ② Preset number indicator
- ③ Frequency indicator
- ④  (stereo) indicator

Appears when the selected frequency is being broadcast in stereo.

- 1 Press SOURCE to select the tuner.**

- 2 Press BAND to select a band.**

Press **BAND** until the desired band is displayed, **FM1**, **FM2**, **FM3** for FM or **AM**.

- 3 To perform manual tuning, briefly press ◀ or ▶.**

- 4 To perform seek tuning, press and hold ◀ or ▶ for about one second and release.**

The tuner will scan the frequencies until a broadcast strong enough for good reception is found.

- You can cancel seek tuning by briefly pressing ◀ or ▶.
- If you press and hold ◀ or ▶ you can skip stations. Seek tuning starts as soon as you release the button.

Operating this unit

Storing and recalling broadcast frequencies

If you press any of the preset tuning buttons **1** to **6** you can easily store up to six broadcast frequencies for later recall with the touch of a button.

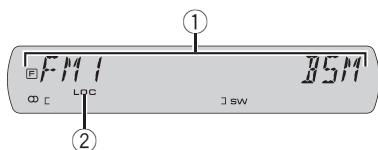
- Up to 18 FM stations, six for each of the three FM bands, and six AM stations can be stored in memory.
- When you find a frequency that you want to store in memory, press one of preset tuning buttons 1 to 6 and hold until the preset number stops flashing.**

The number you have pressed will flash in the preset number indicator and then remain lit. The selected radio station frequency has been stored in memory.

The next time you press the same preset tuning button the radio station frequency is recalled from memory.

- You can also use **▲** and **▼** to recall radio station frequencies assigned to preset tuning buttons **1** to **6**.

Introduction of advanced operations



- Function display**
Shows the function status.
- LOC indicator**
Appears when local seek tuning is on.

- Press FUNCTION repeatedly to switch between the following functions: BSM (best stations memory)—LOCAL (local seek tuning)**

- To return to the frequency display, press **BAND**.

- If you do not operate the function within about 30 seconds, the display is automatically returned to the frequency display.

Storing the strongest broadcast frequencies

BSM (best stations memory) lets you automatically store the six strongest broadcast frequencies under preset tuning buttons **1** to **6**. Once stored you can tune in to those frequencies with the touch of button.

- Storing broadcast frequencies with BSM may replace broadcast frequencies you have saved using buttons **1** to **6**.

1 Press FUNCTION to select BSM.

2 Press ▲ to turn BSM on.

The six strongest broadcast frequencies are stored in the order of their signal strength.

- To cancel the storage process, press **▼**.

Tuning in strong signals

Local seek tuning lets you tune in only those radio stations with sufficiently strong signals for good reception.

1 Press FUNCTION to select LOCAL.

2 Press ▲ to turn local seek tuning on.

Local seek sensitivity (e.g., **LOCAL 2**) appears in the display.

- To turn local seek tuning off, press **▼**.

3 Press ◀ or ▶ to set the sensitivity.

There are four levels of sensitivity for FM and two levels for AM:

FM: **LOCAL 1—LOCAL 2—LOCAL 3—LOCAL 4**

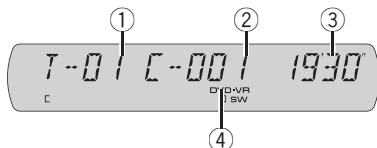
AM: **LOCAL 1—LOCAL 2**

The **LOCAL 4** setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations. **■**

Playing DVD video discs

Watching a DVD video

Read the precautions for discs and player on *Handling guideline of discs and player* on page 57.



- ① Title number indicator
Shows the title currently playing.
- ② Chapter number indicator
Shows the chapter currently playing.
- ③ Play time indicator
Shows the elapsed playing time of the current chapter.
- ④ DVD-VR indicator

Basic operation of DVD video

1 Use the thumb pad to select the desired menu option.

When the DVD offers a menu, a menu is displayed.

- This function is available for DVD video.

2 Click the thumb pad.

Playback starts from the selected menu item.

- You can display the menu by pressing the **MENU** or **TOP MENU** while a disc is playing. Pressing either of these buttons again lets you start playback from the location selected from the menu. For details, refer to the instructions provided with the disc.
- The way to display the menu differs depending on the disc.

3 To perform fast forward or reverse, press and hold ◀◀ or ▶▶.

- If you continue pressing ◀◀ or ▶▶ for five seconds, the icon ◀◀ or ▶▶ is highlighted. When this happens, fast reverse/fast forward con-

tinues even if you release ◀◀ or ▶▶. To resume playback at a desired point, press ▶/II.

- Fast forward/fast reverse may not be possible at certain locations on some discs. If this happens, normal playback automatically resumes.
- There is no sound on fast forward or reverse.

4 To skip back or forward to another chapter, press I◀◀ or ▶▶I.

Pressing ▶▶I skips to the start of the next chapter. Pressing I◀◀ once skips to the start of the current chapter. Pressing again will skip to the previous chapter.

Chapter numbers are displayed for eight seconds.

5 To stop playback, press ■.

- When you stop DVD playback by pressing ■, that location on the disc is memorized enabling playback from that point when you play the disc again.
- To resume playback, press ▶/II.
- If the remote control is set to DVH, ■ does not operate.

Specifying title

To perform this function, set the remote control to **DVD** mode.

- You cannot operate this function by using **NUMBER** when the remote control is set to **DVH** mode.

● Press 0 to 10 corresponding to a desired title number.

Title number is displayed for eight seconds and playback starts from the selected title.

- To select 3, press **3**.
- To select 10, press **10** and **0** in that order.
- To select 23, press **10**, **10** and **3** in that order.

Operating this unit

Selecting a chapter directly

When using the remote control, you can select a chapter directly by entering the desired chapter number.

- To perform this function, set the remote control to **DVH** mode.

1 Press DIRECT.

Chapter number input display appears.

2 Press NUMBER to enter the desired chapter number.

- To select 3, press **3**.
- To select 10, press **1** and **0** in order.
- You can cancel the input number by pressing **CLEAR**.

3 Press DIRECT.

The chapter of entered number will play.

Note

After entering the number input mode, if you do not perform an operation within about eight seconds, the mode is automatically canceled.

Pausing DVD video playback


Pause lets you temporarily stop disc playback.

● Press ►/II during playback.

The icon **II** is displayed and playback is paused, letting you view a still image.

- To resume playback at the same point that you turned pause on, press ►/II again.

Note

Depending on the disc and the playback location on the disc, the icon  may be displayed, indicating that still playback is not possible.

Frame-by-frame playback


This lets you move ahead one frame at a time during playback.

● Press II►.

Each time you press **II►**, you move ahead one frame.

- To return to normal playback, press ►/II.

Notes

- There is no sound during frame-by-frame playback.
- Depending on the disc and the playback location on the disc, the icon  may be displayed, indicating that frame-by-frame playback is not possible.
- With some discs, images may be unclear during frame-by-frame playback.
- Reverse frame-by-frame playback is not possible.

Slow motion playback

This lets you slow down playback speed.

1 Press II► and hold during playback.


The icon **II►** is displayed, forward slow motion playback begins.

- To return to normal playback, press ►/II.

2 Press II► or ◀II to adjust playback speed during slow motion playback.

Each time you press **II►** or **◀II** it changes the speed in four steps in the following order: 1/16—1/8—1/4—1/2

Notes


- There is no sound during slow motion playback.
- Depending on the disc and the playback location on the disc, the icon  may be displayed, indicating that slow motion playback is not possible.
- With some discs, images may be unclear during slow motion playback.
- Reverse slow motion playback is not possible.

Changing audio language during playback (Multi-audio)

DVDs can provide audio playback with different languages and different systems (Dolby Digital, DTS etc.). With DVDs featuring multi-audio recordings, you can switch between languages/audio systems during playback.

- You can select DTS audio but no sound is reproduced.
- Multi-channel audio system can be selected but the sound is reproduced in 2 channels.

1 Press AUDIO during playback.


The audio selection icon  is displayed for eight seconds.

2 Press AUDIO while the audio selection icon is displayed.

The audio changes each time you press **AUDIO**.




Notes

- The number in the  mark on a DVD's package indicates the number of recorded languages/audio systems.
- With some DVDs, switching between languages/audio systems may only be possible using a menu display.
- You can also switch between languages/audio systems using DVD setup menu. For details, refer to *Setting the audio language* on page 41.

Changing the subtitle language during playback (Multi-subtitle)

With DVDs featuring multi-subtitle recordings, you can switch between subtitle languages during playback.

1 Press SUBTITLE during playback.


The subtitle selection icon  is displayed for eight seconds.

2 Press SUBTITLE while the subtitle selection icon is displayed.

The subtitle language changes each time you press **SUBTITLE**.




Notes


- The number in the  mark on a DVD's package indicates the number of recorded subtitle languages.
- With some DVDs, switching between subtitle languages may only be possible using a menu display.
- You can also switch between subtitle languages using DVD setup menu. For details, refer to *Setting the subtitle language* on page 40.

Changing the viewing angle during playback (Multi-angle)

With DVDs featuring multi-angle (scenes shot from multiple angles) recordings, you can switch among viewing angles during playback.

- This function is available for DVD video.
- During playback of a scene shot from multiple angles, the angle icon  is displayed. Turn angle icon display on or off using **SET-UP MENU**. For details, refer to *Setting the angle icon display* on page 42.

1 Press ANGLE during playback of a scene shot from multiple angles.



The angle icon  and angle number **1** are displayed for eight seconds.

2 Press ANGLE while the angle icon and angle number are displayed.

The angle changes each time you press **ANGLE**.



Notes

- The  mark on a DVD's package indicates it features multi-angle scenes. The number in the  mark indicates the number of angles from which scenes were shot.

Operating this unit

- Pressing **ANGLE** during fast forward/fast reverse, pause or slow motion playback returns you to normal playback, but the viewing angle does not change.

Resume playback (Bookmark)

The Bookmark function lets you resume playback from a selected scene the next time the disc is loaded.

To perform this function, set the remote control to **DVD** mode.

- This function is available for DVD video.
- **During playback, press BOOKMARK at the point you want to resume playback next time.**

The selected scene will be bookmarked so that playback resumes from that point next time. You can bookmark up to five discs. After that, the oldest bookmark is replaced by the new one.

- To clear the bookmark on a disc, press and hold **BOOKMARK** during playback.
- You can also bookmark a disc by pressing and holding **EJECT** at the point you want to bookmark. Next time you load the disc, playback will resume from the bookmarked point. Note that you can only bookmark one disc using this method. To clear the bookmark on a disc, press **EJECT**.

Automatic playback of DVDs

When a DVD disc with DVD menu is inserted, this unit will cancel the DVD menu automatically and start playback from the first chapter of the first title.

- This function is available for DVD video.
- Some DVDs may not operate properly. If this function is not fully operated, turn this function off and start playback.

- **Press AUTO PLAY to turn automatic playback on.**

A.PLAY ON is displayed.

- To turn automatic playback off, press **AUTO PLAY** again.

- When the automatic playback is on, you cannot operate repeating play of DVD disc (refer to *Repeating play* on the next page).

CM skip/CM back

This function skips a reproduced image for a specified time. If the currently playing disc contains commercials, it is possible to skip them.

- **To skip progressively backward or forward, press CM BACK or CM SKIP.**

Each time you press **CM BACK** or **CM SKIP** it changes steps in the following order:

CM back

5 sec.—15 sec.—30 sec.—1.0 min.—2.0 min.—3.0 min.

CM skip

30 sec.—1.0 min.—1.5 min.—2.0 min.—3.0 min.—5.0 min.—10.0 min.

After displaying the selected option for two seconds, reproduced image skips.

- If you do not operate the function within about eight seconds, the display is automatically returned.

Return to the specified scene

You can return to the specified scene where the DVD you are currently playing has been preprogrammed to return.

- This function is available for DVD video.

- **Press RETURN to return to the specified scene.**

- If a specified scene has not been preprogrammed in DVD disc, this function is not possible.

Selecting the title list

The title list lets you see the list of titles on a playing DVD-VR disc. The title list is displayed when playing DVD-VR disc with both original mode and playlist mode. You can easily select a desired title from the title list.

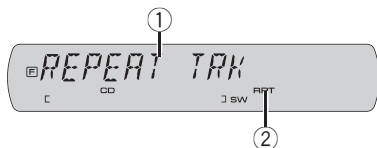
Operating this unit

- This function is available for DVD-VR.
- You can also use the function menu to display the title name list. Titles can also be selected by using the ▲/▼/◀/▶ buttons on the head unit. Refer to *Selecting the title list* on the next page.

- 1 **Click the thumb pad to display the list of titles.**
- 2 **Move the thumb pad up or down to change the desired title.**
- 3 **Move the thumb pad right to select the desired title.**
When you select the title, that selection will begin to play.
 - You can also select the title by clicking the thumb pad.
- 4 **Press DISPLAY to return to the ordinary display.**
 - If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Introduction of advanced operations

Following functions can be operated during playback.



- ① **Function display**
Shows the function status.
 - ② **RPT indicator**
Shows when repeat range is selected to current chapter (title).
- **Press FUNCTION to display the function names.**

Press **FUNCTION** repeatedly to switch between the following functions:

For DVD video

REPEAT (repeat play)—**LR SEL** (audio output)—**PAUSE** (pause)—**COMP** (compression)

For DVD-VR discs

REPEAT (repeat play)—**LR SEL** (audio output)—**PAUSE** (pause)—item list—**COMP** (compression)—**PLAYLIST** (playlist)

- To return to the playback display, press **BAND**.
- If you do not operate the function within about 30 seconds, the display is automatically returned to the playback display.

Repeating play

There are three repeat play ranges for the DVD playback: **DSC** (disc repeat), **CPT** (chapter repeat), and **TTL** (title repeat).

- 1 **Press FUNCTION to select REPEAT.**
- 2 **Press ◀ or ▶ to select the repeat range.**
 - **DSC** – Repeat the current disc
 - **TTL** – Repeat the current title
 - **CPT** – Repeat the current chapter
 - If you perform chapter search or fast forward/reverse during **CPT**, the repeat play range changes to **DSC**.
 - You cannot operate repeating play when **DVD AUTO PLAY** is on (refer to *Automatic playback of DVDs* on the previous page).

Selecting audio output

When playing DVD video discs recorded with LPCM audio, you can switch the audio output.

- 1 **Press FUNCTION to select LR SEL.**
- 2 **Press ◀ or ▶ to select the desired setting.**
This switches you to the selected setting.
 - **L+R** – Left and right
 - **L** – Left
 - **R** – Right
 - **MIX** – mixing left and right

Operating this unit



Note

This function is possible only with Linear PCM sound.

Pausing DVD video playback

Pause lets you temporarily stop disc playback.

1 Press FUNCTION to select PAUSE.

2 Press ▲ to turn pause on.

- To turn pause off, press ▼.

Selecting the title list

The title list lets you see the list of titles on a playing DVD-VR disc. The title list is displayed when playing DVD-VR disc with both original mode and playlist mode. You can easily select a desired title from the title list.

- This function is available for DVD-VR.
- You can also display the title name list by clicking the thumb pad. Titles can also be selected by using the thumb pad. Refer to

Pausing playback

Pause lets you temporarily stop disc playback.

1 Press FUNCTION to select the title list.

Press FUNCTION until the title list appears in the display.

The icon is displayed and playback is

2 Press ▲ or ▼ to scroll through the list of titles.

To resume playback at the same point that you

3 Press ► to select the desired title.

select the title, that selection will begin to play.

Depending on the disc and the playback location on the disc, the icon may be displayed. Indication that still playback is not possible.

4 Press DISPLAY to return to the ordinary display.

If you do not operate the list within about 30

seconds, the display automatically returns to the ordinary display.

When using the remote control, you can select

a track directly by entering the desired track number.

Using the COMP (compression) function, let

you adjust the DSN (disc) quality of disc.

When audio files are being played back,

1 Press FUNCTION to select COMP.

2 Press DIRECT to select your favorite setting.

number input display appears.

COMP OFF—COMP 1—COMP 2
2 Press 0 to 9 to enter the desired track number.

Selecting the play mode

You can cancel the input number by pressing CLEAR. You have two methods for playing DVD-VR disc; ORIGINAL (original) and PLAYLIST (playlist). Press DIRECT.

The titles created with DVD recorders are:

- Edited original: Based on original, if you do not change the operation with a Playlist that are created on DVD-VR discs.
- PLAYLIST can only be selected when a disc that has a playlist is played.

This function is available for DVD-VR.

Displaying text information on disc

1 Press FUNCTION to select the play mode.

Press FUNCTION until ORIGINAL or PLAYLIST appears in the display.

For CD TEXT discs

Track number—DISC TITLE (disc title)—

DISC ARTIST (disc artist name)—TRK TITLE

ORIGINAL—PLAYLIST (track artist name)

For WMA/MP3/AAC discs

Folder name—FILE NAME (album title)

ALBUM TITLE

(album title)—TRK TITLE (track title)—

FOLDER NAME (folder name)—FILE NAME (file

name)

When the separately sold displays are connected to this unit, the following information will appear on it.




- Disc icon
 - Media indicator
 - Title number indicator
 - Chapter number indicator
 - Play time indicator
- You can scroll to the left of the title by pressing and holding the left arrow key.
- Audio CD that contains certain information such as text and/or number is CD TEXT.
- If specific information has not been recorded on a disc, NO XXXX will be displayed (e.g., NO NAME).
- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.

Operating this unit

- ⑥ Variable message area
 DVD video: shows the audio language, subtitle language, viewing angle, repeat range and speaker output channel.
 DVD-VR: shows the play mode, audio system, speaker output channel, subtitle setting and repeat range.

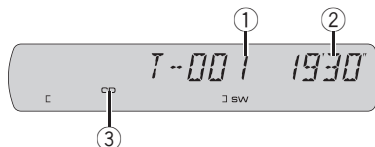
● **Press DISPLAY to switch the information display.**

Press **DISPLAY** repeatedly to switch between the following display modes:
 Information display 1—Information display 2
 —Normal playback display 

Playing Video CDs

Watching a Video CD

Read the precautions for discs and player on *Handling guideline of discs and player* on page 57.



- ① Track number indicator
 Shows the number of the track playing.
- ② Play time indicator
 Shows the elapsed playing time of the current track.
- ③ Media indicator

Basic operation of Video CD

1 Press NUMBER to select the desired menu option.

When a Video CD featuring the PBC (playback control) function starts playing, a menu is displayed.

- Playback starts from the selected menu item.
- When the menu is two or more pages long, press **◀◀** or **▶▶** to switch between displays.
 - You can display the menu by pressing **RETURN** during PBC playback. For details, refer to the instructions provided with the disc.
 - PBC playback of Video CD cannot be cancelled.
 - Operation with the thumb pad is not possible.

2 To perform fast forward or reverse, press and hold ◀◀ or ▶▶.

- If you continue pressing **◀◀** or **▶▶** for five seconds, the icon **◀◀** or **▶▶** is highlighted. When this happens, fast reverse/fast forward continues even if you release **◀◀** or **▶▶**. To resume playback at a desired point, press **▶/II**.

Operating this unit

- Fast forward/fast reverse may not be possible at certain locations on some discs. If this happens, normal playback automatically resumes.

3 To skip back or forward to another track, press **⏮** or **⏭**.

Pressing **⏭** skips to the start of the next track. Pressing **⏮** once skips to the start of the current track. Pressing again will skip to the previous track.

Track numbers are displayed for eight seconds.

- Using **NUMBER** also performs the same operation. For more details, refer to *Specifying track* on this page.

4 To stop playback, press **■**.

- When you stop Video CD playback by pressing **■**, that location on the disc is memorized enabling playback from that point when you play the disc again.
 - To resume playback, press **▶/II**.
 - If the remote control is set to **DVH**, **■** does not operate.

Specifying track

To perform this function, set the remote control to **DVD** mode.


- You cannot operate this function by using **NUMBER** when the remote control is set to **DVH** mode.

● Press **NUMBER** corresponding to a desired track.

Track number is displayed for eight seconds and playback starts from the selected track.

- To select 3, press **3**.
- To select 10, press **10** and **0** in that order.
- To select 23, press **10**, **10** and **3** in that order.

Notes

- With some discs, the icon  may be displayed and operation may not be possible.
- With Video CD, direct search is not possible during PBC playback.

Selecting a track directly

When using the remote control, you can select a track directly by entering the desired track number.

- To perform this function, set the remote control to **DVH** mode.

1 Press **DIRECT**.

Track number input display appears.

2 Press **0** to **9** to enter the desired track number.

- To select 3, press **3**.
- To select 10, press **1** and **0** in order.
- You can cancel the input number by pressing **CLEAR**.

3 Press **DIRECT**.

The track of entered number will play.

Notes

- After entering the number input mode, if you do not perform an operation within about eight seconds, the mode is automatically canceled.
- During playback of Video CDs featuring PBC (playback control), this function cannot be operated.

Pausing Video CD playback


Pause lets you temporarily stop disc playback.

● Press **▶/II** during playback.

The icon **II** is displayed and playback is paused, letting you view a still image.

- To resume playback at the same point that you turned pause on, press **▶/II** again.

Note

Depending on the disc and the playback location on the disc, the icon  may be displayed, indicating that still playback is not possible.

Operating this unit

Frame-by-frame playback


This lets you move ahead one frame at a time during playback.

- **Press II▶.**

Each time you press II▶, you move ahead one frame.

- To return to normal playback, press ▶/II.


Notes

- There is no sound during frame-by-frame playback.
- Depending on the disc and the playback location on the disc, the icon  may be displayed, indicating that frame-by-frame playback is not possible.
- With some discs, images may be unclear during frame-by-frame playback.
- Reverse frame-by-frame playback is not possible.

Slow motion playback

This lets you slow down playback speed.

1 Press II▶ and hold during playback.


The icon  is displayed, forward slow motion playback begins.

- To return to normal playback, press ▶/II.

2 Press II▶ or ◀II to adjust playback speed during slow motion playback.

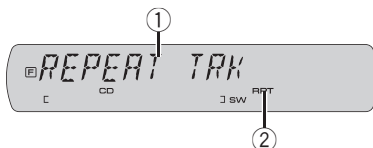
Each time you press II▶ or ◀II it changes the speed in four steps in the following order: 1/16—1/8—1/4—1/2

Notes

- There is no sound during slow motion playback.
- Depending on the disc and the playback location on the disc, the icon  may be displayed, indicating that slow motion playback is not possible.
- With some discs, images may be unclear during slow motion playback.
- Reverse slow motion playback is not possible.

Introduction of advanced operations

Following functions can be operated during playback.



- ① **Function display**
Shows the function status.
- ② **RPT indicator**
Shows when repeat range is selected to current track.

- **Press FUNCTION to display the function names.**

Press **FUNCTION** repeatedly to switch between the following functions:

REPEAT (repeat play)—**LR SEL** (audio output)

—**PAUSE** (pause)—**COMP** (compression)

- During PBC (Playback Control) playback, you cannot select **REPEAT**.
- To return to the playback display, press **BAND**.

- If you do not operate the function within about 30 seconds, the display is automatically returned to the playback display.

Repeating play

Repeat play lets you play the same track over again.

- During playback of Video CDs featuring PBC (playback control), this function cannot be operated.

1 Press FUNCTION to select REPEAT.

2 Press ◀ or ▶ to select the repeat range.

- **DSC** – Repeat the current disc
- **TRK** – Repeat the current track
- If you perform track search or fast forward/reverse, the repeat play range changes to **DSC**.

Operating this unit

Selecting audio output

You can switch between stereo and monaural audio output.

1 Press FUNCTION to select LR SEL.

2 Press ◀ or ▶ to select the desired setting.

This switches you to the selected setting.

- **L+R** – Left and right
- **L** – Left
- **R** – Right
- **MIX** – mixing left and right

Pausing playback

Pause lets you temporarily stop disc playback.

1 Press FUNCTION to select PAUSE.

2 Press ▲ to turn pause on.

Playback of the current track pauses.

- To turn pause off, press ▼.

Using compression

Using the COMP (compression) function let you adjust the sound quality of disc.

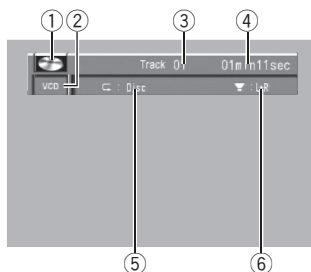
1 Press FUNCTION to select COMP.

2 Press ▲ or ▼ to select your favorite setting.

COMP OFF—COMP 1—COMP 2

Switching the information display

When the separately sold display is connected to this unit, the following information will appear on it.



- ① Disc icon
- ② Media indicator
- ③ Track number indicator
- ④ Play time indicator
- ⑤ Repeat indicator
- ⑥ Speaker output channel indicator

● **Press DISPLAY to switch the information display.**

Press **DISPLAY** repeatedly to switch between the following display modes:

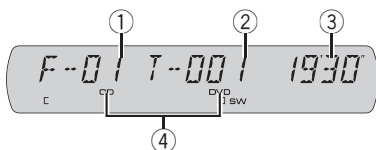
Information display—Normal playback display

- When a Video CD featuring the PBC (playback control) function starts playing, **PLAYBACK CONTROL ON** will be displayed instead of track number indicator and play time indicator.

Playing DivX files

Watching a DivX

These are the basic steps necessary to play a DivX with your DVD player. More advanced DivX operation is explained starting on page 30.



- ① Folder number indicator
Shows the folder number currently playing.
- ② File number indicator
Shows the file number currently playing.
- ③ Play time indicator
Shows the elapsed playing time of the current file.
- ④ Media indicator

Basic Operations

1 Press ▲ or ▼ to select a folder.

- To return to folder **01** (ROOT), press and hold **BAND**. However, if folder **01** (ROOT) contains no files, playback commences with folder **02**.

2 To perform fast forward or reverse, press and hold ◀◀ or ▶▶.

If you continue pressing ◀◀ or ▶▶ for five seconds, the icon ◀◀ or ▶▶ is highlighted. When this happens, fast reverse/fast forward continues even if you release ◀◀ or ▶▶. To resume playback at a desired point, press ▶/II.

- Fast forward/fast reverse may not be possible at certain locations on some discs. If this happens, normal playback automatically resumes.
- This is fast forward and reverse operation only for the file being played. This operation is canceled when the previous or next file is reached.

3 To skip back or forward to another file, press I◀◀ or ▶▶I.

Pressing ▶▶I skips to the start of the next file. Pressing I◀◀ once skips to the start of the current file. Pressing again will skip to the previous file. Track numbers are displayed for eight seconds.

4 To stop playback, press ■.

- To resume playback, press ▶/II.
- If the remote control is set to **DVH**, ■ does not operate.



Notes

- This DVD player can play back a DivX file recorded on CD-R/RW/ROM and DVD-R/RW/ROM. (Refer to page 59 for files that can be played back.)
- Playback is carried out in order of file number. Folders are skipped if they contain no files. (If folder **01** (ROOT) contains no files, playback commences with folder **02**.)
- There is no sound on fast forward or reverse.

Selecting a file directly

When using the remote control, you can select a file directly by entering the desired file number.

- To perform this function, set the remote control to **DVH** mode.

1 Press DIRECT.

File number input display appears.

2 Press 0 to 9 to enter the desired file number.

- You can cancel the input number by pressing **CLEAR**.

3 Press DIRECT.

The file of entered number will play.

- After entering the number input mode, if you do not perform an operation within about eight seconds, the mode is automatically canceled.

Operating this unit

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), **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.

Important

- 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 *Displaying your DivX® VOD registration code* on page 44.
- DivX VOD content is protected by a DRM (Digital Rights Management) system. This restricts playback of content to specific, registered devices.

● If the message is displayed after loading a disc containing DivX VOD content, press ►/II.

Playback of the DivX VOD content will start.

- To skip to the next file, press ►►.
- If you do not want to play the DivX VOD content, press ■.

Pausing playback

Pause lets you temporarily stop disc playback.

● Press ►/II during playback.

The icon II is displayed and playback is paused, letting you view a still image.

- To resume playback at the same point that you turned pause on, press ►/II again.

Note

Depending on the disc and the playback location on the disc, the icon Ⓞ may be displayed, indicating that still playback is not possible.

Frame-by-frame playback

This lets you move ahead one frame at a time during DivX playback.

● Press II►.

Each time you press II►, you move ahead one frame.

- To return to normal playback, press ►/II.

Notes

- If a DVD-VR disc contains a still image, press II► while displaying a still image to switch to the next image or video.
- There is no sound during frame-by-frame playback.
- Depending on the disc and the playback location on the disc, the icon Ⓞ may be displayed, indicating that frame-by-frame playback is not possible.
- With some discs, images may be unclear during frame-by-frame playback.
- Reverse frame-by-frame playback is not possible.

Slow motion playback

When playing DivX video file, this lets you slow down playback speed.

● Press II► and hold during playback.


The icon II► is displayed, forward slow motion playback begins.

- To return to normal playback, press ►/II.

Notes

- There is no sound during slow motion playback.


Operating this unit

- Depending on the disc and the playback location on the disc, the icon  may be displayed, indicating that slow motion playback is not possible.
- With some discs, images may be unclear during slow motion playback.
- Reverse slow motion playback is not possible.

Changing audio language during playback (Multi-audio)

When playing a DivX video disc recorded with dialog in two or more languages, you can switch audio language during playback.

1 Press AUDIO during playback.

The audio selection icon  is displayed for eight seconds.

2 Press AUDIO while the audio selection icon is displayed.





The audio changes each time you press **AUDIO**.

Note

Pressing **AUDIO** during fast forward/fast reverse, pause or slow motion playback returns you to normal playback.

Selecting files from the file name list

File name list lets you see the list of file names (or folder names) and select one of them to playback.

- You can also use the function menu to display the list of files (or folders). File can also be selected by using the /// buttons on the head unit. Refer to *Selecting files from the file name list* on the next page.

1 Click the thumb pad to display the list of files (or folders).

2 Move the thumb pad up or down to change the list of file names (or folder names).

3 Move the thumb pad right to select the desired file name (or folder name).

When you select a file, the selection will begin to play.

When you select a folder, a list of files (or folders) in the selected folder appears in the display.

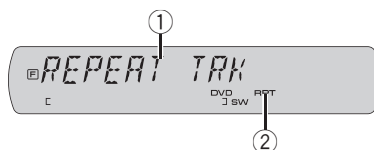
- You can also select a file name (or folder name) by clicking the thumb pad.
- To return to the previous list (the folder one level higher), move the thumb pad left.

4 Press DISPLAY to return to the ordinary display.

- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Introduction of advanced operations

Following functions can be operated during playback.



- ① Function display
Shows the function status.
- ② **RPT** indicator
Shows when repeat range is selected to **TRK** or **FLD**.

● Press FUNCTION to display the function names.

Press **FUNCTION** repeatedly to switch between the following functions:

REPEAT (repeat play)—**PAUSE** (pause)—item list—**COMP** (comp)

- To return to the playback display, press **BAND**.

Operating this unit

- If you do not operate the function within about 30 seconds, the display is automatically returned to the playback display.

Repeating play

For DivX video file playback, there are three repeat play ranges: **FLD** (folder repeat), **TRK** (file repeat) and **DSC** (repeat all files).

1 Press FUNCTION to select REPEAT.

2 Press ◀ or ▶ to select the repeat range.

- **DSC** – Repeat all files
- **TRK** – Repeat just the current file
- **FLD** – Repeat the current folder
- If you perform file search or fast forward/reverse during **TRK**, the repeat play range changes to **FLD**.
- If you select another folder during repeat play, the repeat play range changes to disc repeat.
- When **FLD** (folder repeat) is selected, it is not possible to play back a subfolder of that folder.

Pausing playback

Pause lets you temporarily stop disc playback.

1 Press FUNCTION to select PAUSE.

2 Press ▲ to turn pause on.

Playback of the current file pauses.

- To turn pause off, press ▼.

Selecting files from the file name list

File name list lets you see the list of file names (or folder names) and select one of them to playback.

- You can also display the list of files (or folders) by clicking the thumb pad. File can also be selected by using the thumb pad. Refer to *Selecting files from the file name list* on the previous page.

1 Press FUNCTION to select a file name list.

Press **FUNCTION** until the names of files or folders appears in the display.

2 Press ▲ or ▼ to scroll through the list of file names (or folder names).

3 Press ▶ to select the desired file name (or folder name).

When you select a file, the selection will begin to play.

When you select a folder, a list of files (or folders) in the selected folder appears in the display.

- To return to the previous list (the folder one level higher), press ◀.

4 Press DISPLAY to return to the ordinary display.

- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Using compression

Using the COMP (compression) function let you adjust the sound quality of disc.

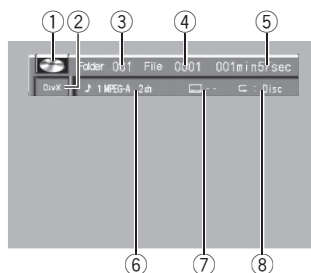
1 Press FUNCTION to select COMP.

2 Press ▲ or ▼ to select your favorite setting.

COMP OFF—COMP 1—COMP 2

Switching the information displays

When the separately sold display is connected to this unit, the following information will appear on it.



① Disc icon

When playing a disc containing various data format, **MIXED** appear on it.

- ② Media indicator
- ③ Folder number indicator
- ④ File number indicator
- ⑤ Play time indicator
- ⑥ Audio system indicator
- ⑦ Subtitle number indicator
- ⑧ Repeat indicator

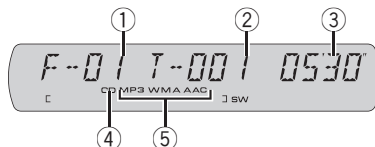
● **Press DISPLAY to switch the information display.**

Press **DISPLAY** repeatedly to switch between the following display modes:
Information display—Normal playback display

Playing CDs

Listening to a CD

Read the precautions for discs and player on *Handling guideline of discs and player* on page 57.



- ① Folder number indicator
Shows the folder number currently playing when the compressed audio is playing.
- ② Track (file) number indicator
- ③ Play time indicator
- ④ Media indicator
- ⑤ **MP3/WMA/AAC** indicator
Shows the type of audio file currently playing when the compressed audio is playing.

Basic Operations

1 Press ▲ or ▼ to select a folder when playing a compressed audio.

- You cannot select a folder that does not have a compressed audio file recorded in it.
- To return to folder 01 (ROOT), press and hold **BAND**. However, if folder 01 (ROOT) contains no files, playback commences with folder 02.

2 To perform fast forward or reverse, press and hold ◀ or ▶.

- You can also perform fast forward or reverse by pressing and holding ◀◀ or ▶▶ on the remote control.
- If you select **ROUGH**, pressing and holding ◀ or ▶ enables you to search every 10 tracks in the current folder. (Refer to *Searching every 10 tracks in the current disc or folder* on page 36.)

3 To skip back or forward to another track, press ◀ or ▶.

- You can also skip back or forward to another track by pressing ◀◀ or ▶▶ on the remote control.

Operating this unit



Note

This function is possible only with Linear PCM sound.

Pausing DVD video playback

Pause lets you temporarily stop disc playback.

1 Press FUNCTION to select PAUSE.

2 Press ▲ to turn pause on.

- To turn pause off, press ▼.

Selecting the title list

The title list lets you see the list of titles on a playing DVD-VR disc. The title list is displayed when playing DVD-VR disc with both original mode and playlist mode. You can easily select a desired title from the title list.

- This function is available for DVD-VR.
- You can also display the title name list by clicking the thumb pad. Titles can also be selected by using the thumb pad. Refer to

Selecting the title list on page 21.

Pausing playback

Pause lets you temporarily stop disc playback.

1 Press FUNCTION to select the title list.

Press FUNCTION until the title list appears in the display.

The icon is displayed and playback is

2 Press ▲ or ▼ to scroll through the list of titles.

To resume playback at the same point that you

3 Press ► to select the desired title.

select the title, that selection will begin to play.

Depending on the disc and the playback location

4 Press DISPLAY to return to the ordinary display.

- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

When using the remote control, you can select a track directly by entering the desired track

Using compression

Using the COMP (compression) function lets you adjust the DVD audio quality of disc.

- When audio files are being played back,

1 Press FUNCTION to select COMP.

2 Press DIRECT to select your favorite set-

ting; number input display appears.

COMP OFF—COMP 1—COMP 2

2 Press 0 to 9 to enter the desired track number.

Selecting the play mode

You can cancel the input number by pressing CLEAR. You have two methods for playing DVD-VR disc; ORIGINAL (original) and PLAYLIST (playlist). Press DIRECT.

The titles created with DVD recorders are:

- Edited original: Based on original, if you do not change the operation with a Playlist that are created on DVD-R/RW discs.

- PLAYLIST can only be selected when a disc that has a playlist is played.

Displaying text information on disc

1 Press FUNCTION to select the play mode.

Press DISPLAY to select the desired text information. ORIGINAL or

PLAYLIST appears in the display.

2 Press ◀ or ▶ to select the play mode.

ORIGINAL—PLAYLIST (track artist name)

For WMA/MP3/AAC discs, the play mode is changed, playback starts

from the beginning of the selected play mode. FOLDER NAME (folder name)—ALBUM TITLE (album title)—TRK TITLE (track title)—

FOLDER NAME (folder name)—FILE NAME (file name)

When the separately sold displays are connected to this unit, the following information will appear on it.

Notes

- You can scroll to the left of the title by pressing and holding DISPLAY.
 - Audio CD that contains certain information such as text and/or number is CD TEXT.
 - If specific information has not been recorded on a disc, NO XXXX will be displayed (e.g., NO NAME).
 - Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- Disc icon
 - Media indicator
 - Title number indicator
 - Chapter number indicator
 - Play time indicator

Operating this unit

- When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll* on page 47.

Selecting tracks from the track title list

Track title list lets you see the list of track titles on a CD TEXT disc and select one of them to play back.

- You can also use the function menu to display the track name list. Tracks can also be selected by using ▲/▼/◀/▶ buttons on the head unit. Refer to *Selecting tracks from the list* on the next page.

- Click the thumb pad to display the list of track titles.
- Move the thumb pad up or down to change the desired track title.
- Move the thumb pad right to select the desired track title.
When you select a track, the selection will begin to play.
 - You can also select the track by clicking the thumb pad.
- Press **DISPLAY** to return to the ordinary display.

Selecting tracks from the file name list

File name list lets you see the list of file names (or folder names) and select one of them to playback.

- You can also use the function menu to display the list of files (or folders). File can also be selected by using the ▲/▼/◀/▶ buttons on the head unit. Refer to *Selecting tracks from the list* on the next page.

- Click the thumb pad to display the list of files (or folders).

- Move the thumb pad up or down to change the list of file names (or folder names).

- Move the thumb pad right to select the desired file name (or folder name).

When you select a file, the selection will begin to play.

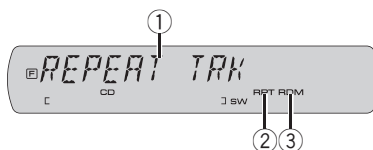
When you select a folder, a list of files (or folders) in the selected folder appears in the display.

- You can also select a file name (or folder name) by clicking the thumb pad.
- To return to the previous list (the folder one level higher), move the thumb pad left.

- Press **DISPLAY** to return to the ordinary display.

Introduction of advanced operations

Following functions can be operated during playback.



- Function display
Shows the function status.
- RPT** indicator
Shows when repeat range is selected to **TRK** or **FLD**.
- RDM** indicator
Shows when random play is on.

- Press **FUNCTION** repeatedly to switch between the following functions: **REPEAT** (repeat play)—**RANDOM** (random play)—**SCAN** (scan play)—**PAUSE** (pause)—item list—**SCH** (search method)—**COMP** (compression)
 - To return to the ordinary display, press **BAND**.

Operating this unit

Selecting a repeat play range

Repeat play plays the same track/folder within the selected repeat play range. Also, the repeat range determines the range of random play and scan play.

1 Press FUNCTION to select REPEAT.

2 Press ◀ or ▶ to select the repeat range.

- **DSC** – Repeat all tracks
- **TRK** – Repeat the current track
- **FLD** – Repeat the current folder
- If you select another folder during repeat play, the repeat play range changes to disc repeat.
- When playing CD, performing track search or fast forward/reverse cancels the repeat play automatically.
- When playing compressed audio, performing track search or fast forward/reverse during **TRK** (track repeat) changes the repeat play range to folder repeat.
- When **FLD** (folder repeat) is selected, it is not possible to play back a subfolder of that folder.

Playing tracks in random order

Tracks in a selected repeat range are played in random order.

Refer to *Repeating play* on page 22.

1 Press FUNCTION to select RANDOM.

2 Press ▲ to turn random play on.

Tracks play in a random order.

- To turn random play off, press ▼.

Scanning folders and tracks

Scan play searches the song within the selected repeat range.

Refer to *Repeating play* on page 22.

1 Press FUNCTION to select SCAN.

2 Press ▲ to turn scan play on.

The first 10 seconds of each track is played.

3 When you find the desired track (or folder) press ▼ to turn scan play off.

- If the display has automatically returned to the playback display, select **SCAN** again by pressing **FUNCTION**.
- After scanning of a disc (folder) is finished, normal playback of the tracks begins.

Pausing disc playback

1 Press FUNCTION to select PAUSE.

2 Press ▲ to turn pause on.

Playback of the current track pauses.

- To turn pause off, press ▼.
- Press ▶/|| on the remote control repeatedly during playback to turn pause on or off.

Selecting tracks from the list

For CD TEXT discs

- You can also display the track name list by clicking the thumb pad. Tracks can also be selected by using the thumb pad. Refer to *Selecting tracks from the track title list* on the previous page.
- 1 Press **FUNCTION** to select the track title list. Press **FUNCTION** until the track title list appears in the display.
 - 2 Press ▲ or ▼ to scroll through the list of track titles.
 - 3 Press ▶ to select the desired track title. When you select a track, the selection will begin to play.
 - 4 Press **DISPLAY** to return to the ordinary display.

For WMA/MP3/AAC discs

- You can also display the list of files (or folders) by clicking the thumb pad. File can also be selected by using the thumb pad. Refer to *Selecting tracks from the file name list* on the previous page.
- 1 Press **FUNCTION** to select a file name list. Press **FUNCTION** until the names of files or folders appears in the display.
 - 2 Press ▲ or ▼ to scroll through the list of file names (or folder names).

Operating this unit

- 3 Press **▶** to select the desired file name (or folder name).
When you select a file, the selection will begin to play.
When you select a folder, a list of files (or folders) in the selected folder appears in the display.
 - To return to the previous list (the folder one level higher), press **◀**.
- 4 Press **DISPLAY** to return to the ordinary display.

Searching every 10 tracks in the current disc or folder

You can switch the search method between fast forward/reverse and searching every 10 tracks. Selecting **ROUGH** enables you to search every 10 tracks.

- 1 Press **FUNCTION** to select **SCH**.
- 2 Press **▶** to select **ROUGH**.
 - **FF/REV** – Fast forward and reverse
 - **ROUGH** – Searching every 10 tracks
 - To select **FF/REV**, press **◀**.
- 3 Press **BAND** to return to the playback display.
- 4 Press and hold **◀** or **▶** to search every 10 tracks on a disc (folder).
 - If the rest of track number is less than 10, press and hold **◀** or **▶** recalls the first (last) one.

Using compression

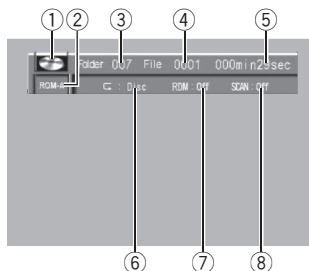
Using the COMP (compression) function let you adjust the sound quality of disc.

- 1 Press **FUNCTION** to select **COMP**.
- 2 Press **▲** or **▼** to select your favorite setting.
COMP OFF—COMP 1—COMP 2

Displaying the information display

When the separately sold display is connected to this unit, the following information will appear on it.

- The information display is always shown on the separately sold display.

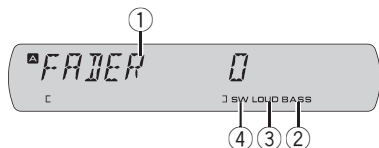


- ① Disc icon
When playing a disc containing various data format, **MIXED** appear on it.
- ② Media indicator
- ③ Folder number indicator
- ④ Track (file) number indicator
- ⑤ Play time indicator
- ⑥ Repeat indicator
- ⑦ Random indicator
- ⑧ Scan indicator

Operating this unit

Audio Adjustments

Introduction of audio adjustments



- ① **Audio display**
Shows the audio adjustment status.
- ② **BASS** indicator
Shows when the bass boost is in effect.
- ③ **LOUD** indicator
Appears in the display when loudness is turned on.
- ④ **SW** indicator
Shows when the subwoofer output is turned on.

● Press **AUDIO** to display the audio function names.

Press **AUDIO** repeatedly to switch between the following audio functions:

FADER (balance adjustment)—**PWRFL** (graphic equalizer adjustment)—**50HZ 0** (7-band graphic equalizer adjustment)—**LOUD** (loudness)—**SUB.W** (subwoofer on/off setting)—**80HZ 0** (subwoofer setting)—**BASS** (bass boost)—**HPF** (high pass filter)—**SLA** (source level adjustment)

- When the rear output setting is **R-SP S/W**, you cannot adjust front/rear speaker balance. Refer to *Setting the rear output and subwoofer controller* on page 46.

- You can select **80HZ 0** (subwoofer setting) only when subwoofer output is turned on in

SUB.W (subwoofer on/off setting).

- When the subwoofer controller setting is **P/O FULL**, you cannot switch to **SUB.W** (subwoofer on/off setting). (Refer to page 46.)

- When selecting FM as the source, you cannot switch to **SLA**.

- To return to the display of each source, press **BAND**.

- If you do not operate the audio function within about 30 seconds, the display is automatically returned to the source display.

Using balance adjustment

You can change the fader/balance setting so that it can provide the ideal listening environment in all occupied seats.

1 Press **AUDIO** to select **FADER**.

- If the balance setting has been previously adjusted, **BAL** will be displayed.

2 Press **▲** or **▼** to adjust front/rear speaker balance.

FADER F15 to **FADER R15** is displayed as the front/rear speaker balance moves from front to rear.

- **FADER 0** is the proper setting when only two speakers are used.

3 Press **◀** or **▶** to adjust left/right speaker balance.

BAL L15 to **BAL R15** is displayed as the left/right speaker balance moves from left to right.

Using the equalizer

The equalizer lets you adjust the equalization to match the car's interior acoustic characteristics as desired.

Recalling equalizer curves

There are seven stored equalizer curves which you can easily recall at any time. Here is a list of the equalizer curves.

Display	Equalizer curve
POWERFUL (PWRFL)	Powerful
NATURAL	Natural
VOCAL	Vocal
CUSTOM 1	Custom 1
CUSTOM 2	Custom 2

Operating this unit

EQ FLAT	Flat
SUPER BASS (S-BASS)	Super bass

- **CUSTOM 1** and **CUSTOM 2** are adjusted equalizer curves that you create. Adjustments can be made with a 7-band graphic equalizer.
- When **EQ FLAT** is selected, no supplement or correction is made to the sound. This is useful to check the effect of the equalizer curves by switching alternatively between **EQ FLAT** and a set equalizer curve.

● Press EQ to select the equalizer.

Press **EQ** repeatedly to switch between the following equalizers:

POWERFUL (PWRFL)—**NATURAL**—**VOCAL**—**CUSTOM 1**—**CUSTOM 2**—**EQ FLAT**—**SUPER BASS (S-BASS)**

Adjusting equalizer curves

The factory supplied equalizer curves, with the exception of **EQ FLAT**, can be adjusted to a fine degree (nuance control).

1 Press AUDIO to select PWRFL.

PWRFL appears in the display.

If the equalizer curve has been previously selected, the curve of that previously selected will be displayed instead of **PWRFL**.

2 Press ◀ or ▶ to select an equalizer curve.

3 Press ▲ or ▼ to adjust the equalizer curve.

Each press of ▲ or ▼ increases or decreases the equalizer curve respectively.

+6 to **-4** (or **-6**) is displayed as the equalizer curve is increased or decreased.

- The actual range of the adjustments are different depending on which equalizer curve is selected.

- The equalizer curve with all frequencies set to **0** cannot be adjusted.

Adjusting 7-band graphic equalizer

For **CUSTOM 1** and **CUSTOM 2** equalizer curves, you can adjust the level of each band.

- A separate **CUSTOM 1** curve can be created for each source. If you make adjustments when a curve other than **CUSTOM 2** is selected, the equalizer curve settings will be memorized in **CUSTOM 1**.
- A **CUSTOM 2** curve can be created common to all sources. If you make adjustments when the **CUSTOM 2** curve is selected, the **CUSTOM 2** curve will be updated.

1 Recall the equalizer curve you want to adjust.

See *Recalling equalizer curves* on the previous page.

2 Press AUDIO to select 7-band graphic equalizer adjustment.

Frequency and the level (e.g., **50HZ 0**) appears in the display.

3 Press ◀ or ▶ to select the equalizer band to adjust.

Each press of ◀ or ▶ selects equalizer bands in the following order:

50HZ—125HZ—315HZ—800HZ—2KHZ—5KHZ—12.5KHZ

4 Press ▲ or ▼ to adjust the level of the equalizer band.

Each press of ▲ or ▼ increases or decreases the level of the equalization band.

+6 to **-6** is displayed as the level is increased or decreased.

- You can then select another band and adjust the level.

5 Press BAND to cancel the 7-band graphic equalizer adjustment.

Adjusting loudness

Loudness compensates for deficiencies in the low- and high-sound ranges at low volume.

Operating this unit

- 1 Press **AUDIO** to select **LOUD**.
- 2 Press **▲** to turn loudness on.
Loudness level (e.g., **LOUD MID**) appears in the display.
 - To turn loudness off, press **▼**.
- 3 Press **◀** or **▶** to select a desired level.
LOW (low)—**MID** (mid)—**HIGH** (high)

Using subwoofer output

This unit is equipped with a subwoofer output which can be turned on or off.

- 1 Press **SW** to select **SUB.W**.
 - You can also select the subwoofer setting menu by pressing **AUDIO** on the unit.
- 2 Press **▲** to turn subwoofer output on.
SUB.W NOR appears in the display. Subwoofer output is now on.
 - If the subwoofer output phase has been set to the reverse, **SUB.W REV** will be displayed.
 - To turn subwoofer output off, press **▼**.
- 3 Press **◀** or **▶** to select the phase of subwoofer output.
Press **◀** to select reverse phase and **REV** appears in the display. Press **▶** to select normal phase and **NOR** appears in the display.

Adjusting subwoofer settings

When the subwoofer output is on, you can adjust the cut-off frequency and the output level of the subwoofer.

- 1 Press **SW** to select **80HZ 0**.
 - You can also select the subwoofer setting menu by pressing **AUDIO** on the unit.
 - When the subwoofer output is on, you can select **80HZ 0** (subwoofer setting).
- 2 Press **◀** or **▶** to select cut-off frequency.
50HZ—63HZ—80HZ—100HZ—125HZ
Only frequencies lower than those in the selected range are outputted from the subwoofer.

- 3 Press **▲** or **▼** to adjust the output level of the subwoofer.
+6 to **-24** is displayed as the level is increased or decreased.

Boosting the bass

Bass boost function boosts the bass level of sound.

- 1 Press **AUDIO** to select **BASS**.
 - You can also select the bass boost setting by pressing and holding **SW**.
- 2 Press **▲** or **▼** to select a desired level.
0 to **+6** is displayed as the level is increased or decreased.

Using the high pass filter

When you do not want low sounds from the subwoofer output frequency range to play from the front or rear speakers, turn on the HPF (high pass filter). Only frequencies higher than those in the selected range are output from the front or rear speakers.

- 1 Press **AUDIO** to select **HPF**.
- 2 Press **▲** to turn high pass filter on.
HPF 80HZ appears in the display. High pass filter is now on.
 - If the high pass filter has been previously adjusted, the frequency of that previously selected will be displayed instead of **HPF 80HZ**.
 - To turn high pass filter off, press **▼**.
- 3 Press **◀** or **▶** to select cut-off frequency.
50HZ—63HZ—80HZ—100HZ—125HZ
Only frequencies higher than those in the selected range are outputted from the front or rear speakers.

Adjusting source levels

SLA (source level adjustment) lets you adjust the volume level of each source to prevent radical changes in volume when switching between sources.

- Settings are based on the FM volume level, which remains unchanged.

1 Compare the FM volume level with the level of the source you wish to adjust.


2 Press AUDIO to select SLA.

3 Press ▲ or ▼ to adjust the source volume.

SLA +4 to SLA -4 is displayed as the source volume is increased or decreased.



Notes

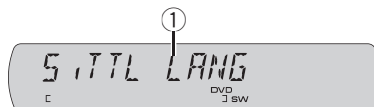
- The AM volume level can also be adjusted with source level adjustments.
- Video CD, CD, compressed audio and DivX are set to the same source level adjustment volume automatically.
- External unit 1 and external unit 2 are set to the same source level adjustment volume automatically. 

Setting up the DVD player

Introduction of DVD setup adjustments

You can use this menu to change audio, subtitle, parental lock and other DVD settings. This menu can be operated only by using the remote control.

- To perform this function, set the remote control to **DVD** mode.



- ① DVD setup menu display
Shows the DVD setup menu names.

1 Press ■.

2 Press MENU when the disc is stopped.

The DVD setup menu is displayed.

3 Move the thumb pad up or down to display the DVD setup function names.

Move the thumb pad up or down to switch the following DVD setup functions:

S.TTL LANG (subtitle language settings)—
AUDIO LANG (audio language settings)—
MENU LANG (menu language settings)—
ASSIST (assist subtitle)—**ANGLE** (angle icon)
—**TV ASPECT** (TV aspect)—**PARENTAL** (parental lock)—**DIVX VOD** (DivX VOD)—
DIVX S.TTL (DivX subtitle)—**DIGI OUT** (digital output setting)



Note

If you press **MENU** during display of a DVD setup menu, the DVD setup menu is canceled and the unit returns to the previous display.

Setting the subtitle language

You can set a desired subtitle language. If the selected subtitle language is recorded on the DVD, subtitles are displayed in that language.

Operating this unit

1 Move the thumb pad up or down to select S.TTL LANG.

2 Click the thumb pad.

A subtitle language menu is displayed.

3 Move the thumb pad left or right to select the desired language.

4 Click the thumb pad.

A subtitle language is set.

Notes

- If the selected language is not recorded on the disc, the language specified on the disc is displayed.
- You can also switch the subtitle language during playback with **SUBTITLE**. (Refer to *Changing the subtitle language during playback (Multi-subtitle)* on page 20.)
- Even if you use **SUBTITLE** to switch the subtitle language, this does not affect the settings here.
- Pressing **RETURN** takes you back to the previous display.

When you select OTHERS

When you select **OTHERS**, a language code input display is shown. Refer to *Language code chart for DVD* on page 61, use the number buttons to input the four digit code of the desired language, and then move the thumb pad right.

Note

Pressing **CLEAR** cancels the input numbers.

Setting the audio language

You can set the preferred audio language.

1 Move the thumb pad up or down to select AUDIO LANG.

2 Click the thumb pad.

An audio language menu is displayed.

3 Move the thumb pad left or right to select the desired audio language.

4 Click the thumb pad.

The audio language is set.

Notes

- If the selected language is not recorded on the disc, the language specified on the disc is outputted.
- You can also switch the audio language during playback with **AUDIO**. (Refer to *Changing audio language during playback (Multi-audio)* on page 20.)
- Even if you use **AUDIO** to switch the audio language, this does not affect the settings here.
- Pressing **RETURN** takes you back to the previous display.
- If you have selected **OTHERS**, refer to *When you select OTHERS* on this page.

Setting the menu language

You can set the preferred language for displays of menus recorded on a disc.

1 Move the thumb pad up or down to select MENU LANG.

2 Click the thumb pad.

A menu language menu is displayed.

3 Move the thumb pad left or right to select the desired menu language.

4 Click the thumb pad.

The menu language is set.

Notes

- If the selected language is not recorded on the disc, the language specified on the disc is outputted.
- Pressing **RETURN** takes you back to the previous display.
- If you have selected **OTHERS**, refer to *When you select OTHERS* on this page.

Switching the assist subtitle on or off

If assist subtitles are recorded on a DVD disc, you can display them by turning the assist subtitle function on.

You can turn assist subtitles on or off as desired.

1 Move the thumb pad up or down to select ASSIST.

2 Click the thumb pad.

3 Move the thumb pad left or right to select on or off.

Each time you move the thumb pad left or right the selected setting switches on or off.

4 Click the thumb pad.

The assist subtitle is set on or off.



Note

Pressing **RETURN** takes you back to the previous display.

Setting the angle icon display

You can set it up so that the angle icon appears on scenes where the angle can be switched.

1 Move the thumb pad up or down to select ANGLE.

2 Click the thumb pad.

3 Move the thumb pad left or right to select on or off.

Each time you move the thumb pad left or right the selected setting switches on or off.

4 Click the thumb pad.

Angle icon display is set on or off.



Note

Pressing **RETURN** takes you back to the previous display.

Setting the aspect ratio

There are two kinds of display. A wide screen display has a width-to-height ratio (TV aspect) of 16:9, while a regular display has a TV aspect of 4:3. Be sure to select the correct TV aspect for the display you use.

- When using a regular display, select either **LETTER BOX** or **PANSCAN**. Selecting **16:9** may result in an unnatural picture.

1 Move the thumb pad up or down to select TV ASPECT.

2 Click the thumb pad.

TV aspect menu is displayed.

3 Move the thumb pad left or right to select the desired TV aspect.

- **16:9** – Wide screen picture (16:9) is displayed as it is (initial setting)
- **LETTER BOX** – The picture is the shape of a letterbox with black bands at the top and bottom of the screen
- **PANSCAN** – The picture is cut short at the right and left of the screen

4 Click the thumb pad.

The selected TV aspect is set.



Notes

- When playing discs that do not specify **PANSCAN**, playback is with **LETTER BOX** even if you select **PANSCAN** setting. Confirm whether the disc package bears the **16:9 LB** mark. (See page 8.)
- Some discs do not enable changing of the TV aspect. For details, refer to the disc's instructions.
- Pressing **RETURN** takes you back to the previous display.

Setting the parental lock

Some DVD video discs let you use parental lock to restrict children from viewing violent and adult-oriented scenes. You can set the parental lock to your desired level.

Operating this unit

- When you set a parental lock level and then play a disc featuring parental lock, code number input indications may be displayed. In this case, playback will begin when the correct code number is input.

Setting the code number and level

You need to have registered a code number for playing back discs with parental lock.

- We recommend to keep a record of your code number in case you forget it.

1 Move the thumb pad up or down to select PARENTAL.

2 Click the thumb pad.

Parental lock setting menu is displayed.

3 Press 0 to 9 to input a four digit code number.

4 Move the thumb pad left or right to move the cursor to the previous or next position.

5 Move the cursor to the last position by moving the thumb pad right after entering the four digit code number.

The code number is set, and you can now set the level.

6 Move the thumb pad left or right to select the desired level.

- LEVEL 8** – Playback of the entire disc is possible (initial setting)
- LEVEL 7 to LEVEL 2** – Playback of discs for children and non-adult-oriented discs is possible
- LEVEL 1** – Playback of discs for children only is possible

7 Click the thumb pad.

The parental lock level is set.



Notes

- The parental lock level is recorded on the disc. Look for the level indication written at the disc package, included literature or on the disc itself. Parental lock of this unit is not possible if

a parental lock level is not recorded in the disc.

- With some discs, the parental lock may be active only on the scenes with certain levels. The playback of those scenes will be skipped. For details, refer to the instruction manual that came with the discs.
- Pressing **RETURN** takes you back to the previous display.

Changing the level

You can change the set parental lock level.

1 Move the thumb pad up or down to select PARENTAL.

2 Click the thumb pad.


Parental lock setting menu is displayed.

3 Press 0 to 9 to input the registered code number.

4 Move the thumb pad left or right to move the cursor to the previous or next position.

5 Move the cursor to the last position by moving the thumb pad right after entering the four digit code number.

This enters the code number, and you can now change the level.

- If you input an incorrect code number, the icon  is displayed. Press **CLEAR** and input the correct code number.
- If you forget your code number, refer to *If you forget your code number* on the next page.

6 Move the thumb pad left or right to select the desired level.

7 Click the thumb pad.

The parental lock level is set.



Note

Pressing **RETURN** takes you back to the previous display.

If you forget your code number

Refer to *Changing the level* on the previous page, and press **CLEAR** 10 times. The registered code number is canceled, letting you register a new one.

Displaying your DivX® VOD registration code

In order to play DivX VOD (video on demand) content on this unit, you first need to register the unit with your DivX VOD content provider. You do this by generating a DivX VOD registration code, which you submit to your provider.

1 Move the thumb pad up or down to select DIVX VOD.

2 Click the thumb pad.

Your 8-digit registration code is displayed.

- Make a note of the code as you will need it when you register with a DivX VOD provider.

Note

Pressing **RETURN** takes you back to the previous display.

Setting the DivX subtitle file

You can select whether to display DivX external subtitles or not.

- DivX subtitles will be displayed even when this setting is on if no DivX external subtitle files exist.

1 Move the thumb pad up or down to select DIVX S.TTL.

2 Click the thumb pad.

3 Move the thumb pad left or right to select on or off.

- **ON** – Display the DivX external subtitles
- **OFF** – Display the DivX subtitles

4 Click the thumb pad.

DivX subtitle is set on or off.

Notes

- Up to 42 characters can be displayed on one line. If more than 42 characters are set, the line breaks and the characters are displayed on the next line.
- Up to 126 characters can be displayed on one screen. If more than 126 characters are set, the excess characters will not be displayed.
- Pressing **RETURN** takes you back to the previous display.

Setting for digital output

When the Pioneer multi-channel processor (DEQ-P7650) and the Pioneer audio master unit (AXM-P7650) are connected to this unit, operate this function.

Audio which is outputted from digital output of this unit can be selected. Normally, set to **STREAM**. If this unit's digital output is not used, there is no need to change settings.

- Selecting **LPCM** enables you to switch the output channel if playing the following type of discs. (Refer to *Selecting audio output* on page 22.)
 - Dual mono mode DVD video discs
 - Bilingual DVD-VR discs

1 Move the thumb pad up or down to select DIGI OUT.

2 Click the thumb pad.

The digital output setting is displayed.


3 Move the thumb pad left or right to select the desired digital output setting.

- **STREAM** – The Dolby Digital/DTS signal is output as it is (initial setting)
- **LPCM** – The Dolby Digital/DTS signal is converted to and output as a linear PCM signal

4 Click the thumb pad.

The selected digital output setting is determined.

Note

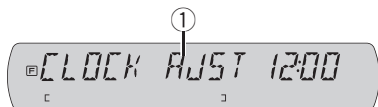
Pressing **RETURN** takes you back to the previous display. 

Operating this unit

Initial Settings

Adjusting initial settings

Using the initial settings, you can customize various system settings to achieve optimal performance from this unit.



- ① Function display
Shows the function status.

- 1 Press **SOURCE** and hold until the unit turns off.
- 2 Press **FUNCTION** and hold until function name appears in the display.
- 3 Press **FUNCTION** to select one of the initial settings.

Press **FUNCTION** to select one of the initial settings.

CLOCK AJST (clock)—**FM STP** (FM tuning step)—**AM STP** (AM tuning step)—**WARN** (warning tone)—**AUX1** (auxiliary input1)—**AUX2** (auxiliary input2)—**V.IN** (AV input setting)—**R-SP** (rear output and subwoofer controller)—**E-SCRL** (ever scroll)

- To cancel initial settings, press **BAND**.
- You can also cancel initial settings by holding down **FUNCTION** until the unit turns off.

Setting the clock

Use these instructions to set the clock.

- 1 Press **FUNCTION** to select **CLOCK AJST**.
- 2 Press **◀** or **▶** to select the segment you wish to set.
Hour—Minute
As you select segments of the clock display, the selected segment blinks.
- 3 Press **▲** or **▼** to set the clock.

Pressing **▲** will increase the value of the selected segment. Pressing **▼** will decrease the value of the selected segment.

Setting the FM tuning step

The FM tuning step employed by seek tuning can be switched between 100 kHz, the preset step, and 50 kHz.

- 1 Press **FUNCTION** to select **FM STP**.
- 2 Press **◀** or **▶** to select the FM tuning step.
Press **◀** to select **50** (50 kHz). Press **▶** to select **100** (100 kHz).



Note

If seek tuning is performed in 50 kHz steps, stations may be tuned in imprecisely. Tune in the stations with manual tuning or use seek tuning again.

Setting the AM tuning step

The AM tuning step can be switched between 9 kHz, the preset step, and 10 kHz. When using the tuner in North, Central or South America, reset the tuning step from 9 kHz (531 kHz to 1 602 kHz allowable) to 10 kHz (530 kHz to 1 640 kHz allowable).

- 1 Press **FUNCTION** to select **AM STP**.
- 2 Press **◀** or **▶** to select the AM tuning step.
Press **◀** to select **9** (9 kHz). Press **▶** to select **10** (10 kHz).

Switching the warning tone

If the front panel is not detached from the head unit within five seconds of turning off the ignition, a warning tone will sound. You can turn off the warning tone.

- 1 Press **FUNCTION** to select **WARN**.
- 2 Press **▲** or **▼** to turn **WARN** on or off.

Switching the auxiliary setting

Auxiliary devices connected to this unit can be activated individually. Set each AUX source to ON when using. For more information about connecting or using auxiliary devices, refer to *Using the AUX source* on the next page.

Switching the auxiliary 1 setting

- 1 Press **FUNCTION** to select **AUX1**.
- 2 Press **◀** or **▶** to select desired setting.
 - **VIDEO** – an iPod with video capabilities connected with 4-pole mini plug cable (e.g., CD-V150M)
 - **AUDIO** – auxiliary device connected with stereo mini plug cable
 - **OFF** – No auxiliary device is connected

Switching the auxiliary 2 setting

- 1 Press **FUNCTION** to select **AUX2**.
- 2 Press **▲** or **▼** to turn **AUX2** on or off.

Setting the AV input

You can connect AV components to the AV input with an RCA cable. Switch the AV input setting according to the connected AV component. For more details, refer to the installation manual.

- Select **EXT-V** to watch video of a connected video unit as **EXTERNAL** source.
- Select **AUX** to watch video of an auxiliary device as **AUX2** source.

- 1 Press **FUNCTION** to select **V.IN**.
- 2 Press **◀** or **▶** to select your desired setting.
 - **OFF** – No video component connected
 - **EXT-V** – External video unit
 - **AUX** – Auxiliary device
 - To watch video of **AUX** source, set auxiliary 2 setting on. For details, refer to *Switching the auxiliary setting* on this page.

Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads output and RCA rear output) can be used for full-range speaker (**R-SP FULL**) or subwoofer (**R-SP S/W**) connection. If you switch the rear output setting to **R-SP S/W**, you can connect a rear speaker lead directly to a subwoofer without using an auxiliary amp. Initially, the unit is set for rear full-range speaker connection (**R-SP FULL**). When rear output is connected to full range speakers (when **R-SP FULL** is selected), you can connect other full range speakers (**P/O FULL**) or a subwoofer (**P/O S/W**) to the RCA rear output.

- 1 Press **FUNCTION** to select **R-SP**.
- 2 Press **▲** or **▼** to switch the rear output setting.

Pressing **▲** or **▼** will switch between **R-SP FULL** (full-range speaker) and **R-SP S/W** (subwoofer) and that status will be displayed.

 - When no subwoofer is connected to the rear output, select **R-SP FULL**.
 - When a subwoofer is connected to the rear output, set for subwoofer **R-SP S/W**.
 - When the rear output setting is **R-SP S/W**, you cannot operate the following procedure.
- 3 Press **◀** or **▶** to switch the subwoofer output or rear output.

Pressing **◀** or **▶** will switch between **P/O S/W** and **P/O FULL** and that status will be displayed.




Notes

- Even if you change this setting, there is no output unless you turn the subwoofer output on (refer to *Using subwoofer output* on page 39).
- If you change this setting, subwoofer output in the audio menu return to the factory settings.

Operating this unit

Switching the ever scroll

When Ever Scroll is set to ON, recorded text information scrolls continuously in the display. Set to OFF if you prefer the information to scroll just once.

- 1 Press **FUNCTION** to select **E-SCRL**.
- 2 Press **▲** or **▼** to turn **E-SCRL** on or off. 

Other Functions

Turning the clock display on or off

You can turn the clock display on or off.

- Press **CLOCK** to turn the clock display on or off.

Each press of **CLOCK** turns the clock display on or off.

- The clock display disappears temporarily when you perform other operations, but the clock display appears again after 25 seconds.

Setting the level indicator

Level indicators can be changed. Style of the level indicator differs depending on the source.

- Press **EQ** and hold to select the level indicator.

Press **EQ** and hold repeatedly to switch between the following settings:

Level indicator 1—Level indicator 2—Entertainment—off

Using the AUX source

A separately sold auxiliary device such as VCR or portable device can be connected to this unit. When connected, auxiliary device is automatically recognized as AUX source and assigned to **AUX**.

About AUX connection method

There are two methods to connect auxiliary devices to this unit.

Mini pin plug cable (AUX1)

When connecting auxiliary device using a mini plug cable

iPod and portable audio/video player can be connected to this unit via mini plug cable.

Operating this unit

- If an iPod with video capabilities is connected to this unit via 3.5 mm plug (4 pole) cable (e.g., CD-V150M), you can enjoy the video contents of the iPod.
- It is possible to connect a portable audio/video player by using a 3.5 mm plug (4 pole) to RCA cable, which is sold separately. However, depending on the cable, reverse connection between Red (right side audio) cable and yellow (video) cable is required. Otherwise, audio and video may not be correctly reproduced.

● Insert the mini plug into the AUX input jack on this unit.

IP-BUS-RCA interconnector (AUX2)

When connecting auxiliary device using an IP-BUS-RCA Interconnector (sold separately)

● Use an IP-BUS-RCA Interconnector such as the CD-RB20/CD-RB10 (sold separately) to connect this unit to auxiliary device featuring RCA output.

For more details, refer to the IP-BUS-RCA Interconnector owner's manual.

- You can only make this type of connection if the auxiliary device has RCA outputs.

Selecting AUX as the source

● Press SOURCE to select AUX (AUX1 or AUX2) as the source.

- If the auxiliary setting is not turned on, **AUX** cannot be selected. For more details, see *Switching the auxiliary setting* on page 46.

Setting the AUX title

The title displayed for the **AUX1** or **AUX2** source can be changed.

1 After you have selected AUX as the source, press FUNCTION and hold until TITLE IN appears in the display.

2 Press ▲ or ▼ to select a letter of the alphabet.

Each press of ▲ will display alphabet, numbers or symbols in ascending order (**A B C ...**). Each press of ▼ will display a letter in descending order.

3 Press ► to move the cursor to the next character position.

When the letter you want is displayed, press ► to move the cursor to the next position and then select the next letter. Press ◀ to move backwards in the display.

4 Move the cursor to the last position by pressing ► after entering the title.

When you press ► one more time, the entered title is stored in memory.

5 Press BAND to return to the playback display.

Using the external unit

External unit refers to a Pioneer product (such as ones available in the future) that, although incompatible as a source, enables control of basic functions with this unit. Two external units can be controlled with this unit. When two external units are connected, the external unit is automatically allocated to external unit 1 or external unit 2 by this unit.

Basic operations of the external unit are explained below. Allocated functions are different depending on the connected external unit. For details concerning functions, refer to external unit's owner's manual.

Selecting the external unit as the source

● Press SOURCE to select EXTERNAL as the source.

Operating this unit

Basic operation

Functions allocated to the following operations are different depending on the connected external unit. For details concerning functions, refer to the connected external unit's owner's manual.

- Press **BAND**.
- Press and hold **BAND**.
- Press **◀** or **▶**.
- Press and hold **◀** or **▶**.
- Press **▲** or **▼**.

Using the functions allocated to 1 to 6 keys

- Press any of 1 to 6 buttons.

Advanced operations

- Press **FUNCTION** repeatedly to switch between the following functions:

FUNC1 (function 1)—**FUNC2** (function 2)—**FUNC3** (function 3)—**FUNC4** (function 4)—**AUTO/MANUAL** (auto/manual)

- You can also select the function by pressing **FUNCTION** on the remote control.
- You can also turn **FUNC1** on or off by pressing **BOOKMARK** on the remote control.
- To return to the ordinary display, press **BAND**.

Using the PGM button

You can operate the preprogrammed functions for each source by using **BOOKMARK**.

- Press **BOOKMARK** to turn pause on when selecting the following sources:
 - **DVD** – Built-in DVD player
 - **MULTI CD** – Multi-CD player
- To turn pause off, press **BOOKMARK** again.

- Press **BOOKMARK** and hold to turn **BSM** on when selecting **TUNER** as the source.

Press **BOOKMARK** and hold until the **BSM** turns on.

- To cancel the storage process, press **BOOKMARK** again.

- Press **BOOKMARK** and hold to turn **BSSM** on when selecting **TV** as the source.

Press **BOOKMARK** and hold until the **BSSM** turns on.

- To cancel the storage process, press **BOOKMARK** again.

Sound muting

Sound from this unit is muted automatically in the following cases:

- When a call is made or received using a cellular telephone connected to this unit.
- When the voice guidance is output from a Pioneer navigation unit connected to this unit.

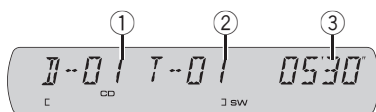
The sound is turned off, **MUTE** is displayed and no audio adjustments, except volume control, are possible. Operation returns to normal when the phone connection or the voice guidance is ended. **■**

Multi-CD Player

Basic Operations

You can use this unit to control a multi-CD player, which is sold separately.

- Only functions described in this manual are supported by 50-disc multi-CD players.
- This unit is not designed to operate disc title list functions with a 50-disc multi-CD player. For information about the disc title list functions, refer to *Selecting discs from the disc title list* on page 53.



- ① Disc number indicator
- ② Track number indicator
- ③ Play time indicator

1 Press SOURCE to select the multi-CD player.

2 Press ▲ or ▼ to select a disc you want to listen to.

- You can also select a disc by using **1** to **6** buttons.

- For discs 1 to 6, press the corresponding button number.
- For discs 7 to 12, press and hold the corresponding numbers, such as **1** for disc 7, until the disc number appears in the display.

3 To perform fast forward or reverse, press and hold ◀ or ▶.

4 To skip back or forward to another track, press ◀ or ▶.

Notes

- When multi-CD player completes preparatory operations, **READY** is displayed.
- If an error message such as **ERROR 02- (ERROR-02-)XX** is displayed, refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, **NO DISC** is displayed.

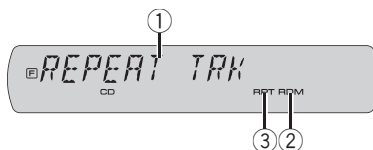
Selecting a track directly

The operation is the same as that of the built-in DVD player.

For details concerning operation, refer to *Selecting a track directly* on page 33.

Introduction of advanced operations

You can only use **COMP** (compression and DBE) with a multi-CD player that supports them.



- ① Function display
Shows the function status.
- ② **RDM** indicator
Shows when random play is on.
- ③ **RPT** indicator
Shows when repeat range is selected to **TRK** or **DSC**.

Function mode 1

● Press **FUNCTION** repeatedly to switch between the following functions:

REPEAT (repeat play)—**TITLE LIST** (disc title list)—**RANDOM** (random play)—**SCAN** (scan play)—**ITS** (ITS play)—**PAUSE** (pause)—**COMP** (compression and DBE)

- To return to the playback display, press **BAND**.
- If you do not operate the function within about 30 seconds, the display is automatically returned to the playback display.

Function mode 2

● Press **FUNCTION** and hold repeatedly to switch between the following functions:

TITLE IN (disc title input)—**ITS** (ITS programming)

- To return to the playback display, press **BAND**.

Available accessories

Function and operation

REPEAT, RANDOM, SCAN, PAUSE, COMP and **TITLE IN** operations are basically the same as that of the built-in DVD player.

Function name	Operation
REPEAT	Refer to <i>Repeating play</i> on page 22. However, the repeat play ranges you can select are different from that of the built-in DVD player. The repeat play ranges of the multi-CD player are: <ul style="list-style-type: none"> • MCD – Repeat all discs in the multi-CD player • TRK – Repeat just the current track • DSC – Repeat the current disc
TITLE LIST	Refer to <i>Selecting discs from the disc title list</i> on page 53.
RANDOM	Refer to <i>Playing tracks in random order</i> on page 35.
SCAN	Refer to <i>Scanning folders and tracks</i> on page 35.
ITS	Refer to <i>Using ITS playlists</i> on this page.
PAUSE	Refer to <i>Pausing disc playback</i> on page 35.
COMP	Refer to <i>Using compression</i> on page 36. Multi-CD player has DBE (dynamic bass emphasis) function instead of BMX. The settings can be switched as below: COMP OFF—COMP 1—COMP 2—COMP OFF—DBE 1—DBE 2
TITLE IN	Refer to <i>Setting the AUX title</i> on page 48.
ITS	Refer to <i>Using ITS playlists</i> on this page.

Notes

- If you select other discs during repeat play, the repeat play range changes to **MCD**.
- If you perform track search or fast forward/reverse during **TRK**, the repeat play range changes to **DSC**.

- After track or disc scanning is finished, normal playback of the tracks begins again.
- When playing a CD TEXT disc on a CD TEXT compatible multi-CD player, you cannot switch to **TITLE IN**. The disc title is already recorded on the CD TEXT disc.

Using ITS playlists

ITS (instant track selection) lets you make a playlist of favorite tracks from the multi-CD player magazine. After you have added your favorite tracks to the playlist, you can turn on ITS play and play just those selections.

Creating a playlist with ITS programming

You can use ITS to enter and play back up to 99 tracks per disc from up to 100 discs (with the disc titles). (With multi-CD players sold before the CDX-P1250 and CDX-P650, up to 24 tracks can be stored in the playlist.)

1 Play a CD that you want to program.

Press **▲** or **▼** to select the CD.

2 Press **FUNCTION** and hold until **TITLE IN** appears in the display, then press **FUNCTION** to select ITS.

- If you select **ITS** (ITS play) in function mode 1, press and hold **FUNCTION** to enable you to select **ITS** directly.

3 Select the desired track by pressing **◀** or **▶**.

4 Press **▲** to store the currently playing track in the playlist.

ITS IN is displayed briefly and the currently playing selection is added to your playlist. The display then shows **ITS** again.

5 Press **BAND** to return to the playback display.

Note

After data for 100 discs is stored in memory, data for a new disc will overwrite the oldest one.

Playback from your ITS playlist

ITS play lets you listen to the tracks that you have entered into your ITS playlist. When you turn on ITS play, tracks from your ITS playlist in the multi-CD player begin to play.

1 Select the repeat range.

Refer to *Playing tracks in random order* on page 35.

2 Press FUNCTION to select ITS.

3 Press ▲ to turn ITS play on.

ITS ON appears in the display. Playback begins of those tracks from your playlist within the previously selected **MCD** or **DSC** ranges.

- If no tracks in the current range are programmed for ITS play, then **ITS EMPTY** is displayed.
- To turn ITS play off, press ▼.

Erasing a track from your ITS playlist

You can delete a track from your ITS playlist if ITS play is on.

If ITS play is already on, skip to step 2. If ITS play is not already on, press **FUNCTION**.

1 Play the CD with the track you want to delete from your ITS playlist, and turn ITS play on.

Refer to *Playback from your ITS playlist* on this page.

2 Press FUNCTION and hold until ITS appears in the display.

3 Select the desired track by pressing ◀ or ▶.

4 Press ▼ to erase the track from your ITS playlist.

The currently playing selection is erased from your ITS playlist and playback of the next track begins.

- If there are no tracks from your playlist in the current range, **ITS EMPTY** is displayed and normal playback resumes.

5 Press BAND to return to the playback display.

Erasing a CD from your ITS playlist

You can delete all tracks of a CD from your ITS playlist if ITS play is off.

1 Play the CD that you want to delete.

Press ▲ or ▼ to select the CD.

2 Press FUNCTION and hold until TITLE IN appears in the display, then press FUNCTION to select ITS.

3 Press ▼ to erase all tracks on the currently playing CD from your ITS playlist.

All tracks on the currently playing CD are deleted from your playlist and **ITS CLEAR** is displayed.

4 Press BAND to return to the playback display.

Using disc title functions

You can input CD titles and display the titles. Then, you can easily search for and play a desired disc.

Entering disc titles

Use the disc title input feature to store up to 100 CD titles (with ITS playlist) into the multi-CD player. Each title can be up to 10 characters long.

For details concerning operation, refer to *Setting the AUX title* on page 48.

- Titles remain in the memory even after the disc is removed from the magazine, and are recalled when the disc is reinserted.
- After data for 100 discs is stored in memory, data for a new disc will overwrite the oldest one.

Displaying disc titles

You can display the text information of any disc that has the disc title entered.

The operation is the same as that of the built-in DVD player.

Refer to *Displaying text information on disc* on page 33.

Available accessories

Selecting discs from the disc title list

Disc title list lets you see the list of disc titles entered in the multi-CD player and select one of them to play back.

- You can also perform the following operations by using the thumb pad.

1 Press FUNCTION to select TITLE LIST.

2 Press ◀ or ▶ to select a disc from the disc title list.

- If no title is entered for a disc, **NO D-TITLE** is displayed.


3 Press ▲ to play your favorite CD title.

That selection will begin to play.

Using CD TEXT functions

You can use these functions only with a CD TEXT compatible multi-CD player.


The operation is the same as that of the built-in DVD player.

Refer to *Displaying text information on disc* on page 33. 

Additional Information

Troubleshooting

Common

Symptom	Cause	Action (See)
Power doesn't turn on. The unit doesn't operate.	Leads and connectors are incorrectly connected.	Confirm once more that all connections are correct.
	The fuse is blown.	Rectify the reason for the fuse blowing, then replace the fuse. Be very sure to install a fuse with the same rating.
	Noise and other factors are causing the built-in microprocessor to operate incorrectly.	Turn the unit off and then on.
Operation with the remote control isn't possible. The unit does not operate correctly even when the appropriate remote control buttons are pressed.	The remote control operation mode is incorrect.	Switch to the correct remote control mode. (Page 14)
	Battery power is low.	Load new battery. (Page 9)
	Some operations are prohibited with certain discs.	Check by using another disc.
Playback is not possible.	The disc is dirty.	Clean disc. (Page 57)
	The loaded disc is a type this unit cannot play.	Check what type the disc is.
	Non compatible video system disc is loaded.	Change to a disc compatible to your video system.
No sounds are heard. The volume level will not rise.	Cables are not connected correctly.	Connect the cables correctly.
	The unit is performing still, slow motion or frame-by-frame playback.	There is no sound during still, slow motion or frame-by-frame playback.
The icon  is displayed, and operation is not possible.	The operation is prohibited for the disc.	This operation is not possible.
	The operation is not compatible with the disc's organization.	This operation is not possible.
The picture stops (pauses) and the unit cannot be operated.	Reading of data has become impossible during playback.	After stopping playback once, start playback once more.
There is no sound. Volume level is low.	The volume level is low.	Adjust the volume level.
	The attenuator is on.	Turn the attenuator off.
There is audio and video skipping.	The unit is not firmly secured.	Secure the unit firmly.
The picture is stretched, the aspect is incorrect.	The aspect setting is incorrect for the display.	Select the appropriate setting for your display. (Page 42)
When the ignition switch is turned ON (or turned to ACC), the motor sounds.	The unit is confirming whether a disc is loaded or not.	This is a normal operation.

Problems during DVD playback

Symptom	Cause	Action (See)
Playback is not possible.	The loaded disc has a different region number from this unit.	Replace the disc with one featuring the same region number as this unit. (Page 6, Page 63)

Additional Information

A parental lock message is displayed and playback is not possible.	Parental lock is on.	Turn parental lock off or change the level. (Page 42)
Parental lock cannot be canceled.	The code number is incorrect.	Input the correct code number. (Page 42)
	You have forgotten your code number.	Press CLEAR 10 times to cancel the code number. (Page 44)
Dialog language (and subtitle language) cannot be switched.	The DVD playing does not feature multiple language recordings.	You cannot switch among multiple languages if they are not recorded on the disc.
	You can only switch between items indicated in the disc menu.	Switch using the disc menu.
No subtitles are displayed.	The DVD playing does not feature subtitles.	Subtitles are not displayed if they are not recorded on the disc.
	You can only switch between items indicated in the disc menu.	Switch using the disc menu.
Playback is not with the audio language and subtitle language settings selected in the DVD setup menu.	The DVD playing does not feature dialog or subtitles in the language selected in the DVD setup menu.	Switching to a selected language is not possible if the language selected in the DVD setup menu is not recorded on the disc. (Page 40)
Switching the viewing angle is not possible.	The DVD playing does not feature scenes shot from multiple angles.	You cannot switch between multiple angles if the DVD does not feature scenes recorded from multiple angles.
	You are trying to switch to multiple angle viewing of a scene that is not recorded from multiple angles.	Switch between multiple angles when watching scenes recorded from multiple angles.
The picture is extremely unclear/distorted and dark during playback.	The disc features a signal to prohibit copying. (Some discs may have this.)	Since this unit is compatible with the copy guard analog copy protect system, when playing a disc that has a signal prohibiting copying, the picture may suffer from horizontal stripes or other imperfections when viewed on some displays. This does not mean this unit is malfunctioning.

Problems during Video CD playback

Symptom	Cause	Action
The PBC (playback control) menu display cannot be called up.	The Video CD playing does not feature PBC.	This operation is not possible with Video CDs not featuring PBC.
Repeat play and track/time search are not possible.	The Video CD playing features PBC.	This operation is not possible with Video CDs featuring PBC.



Error messages

When you contact your dealer or your nearest Pioneer Service Center, be sure to have the error message recorded.

Additional Information

Message	Cause	Action
ERROR 02- (ERROR-02-)XX	Dirty disc	Clean disc.
	Scratched disc	Replace disc.
	The disc is loaded upside down	Check that the disc is loaded correctly.
R ERROR (DIFFERENT REGION DISC)	The disc does not have the same region number as this unit	Replace the DVD video with one bearing the correct region number.
NON-PLAY (NON-PLAYABLE DISC)	This type of disc cannot be played by this unit	Replace the disc with one this unit can play.
	The inserted disc does not contain any files that can be played back	Replace disc.
HEAT (THERMAL PROTECTION IN MOTION)	The temperature of this unit is outside the normal operating range	Wait until the unit's temperature returns to within normal operating limits.
PROTECT (PROTECTED DISC)	All the files on the inserted disc are secured by DRM	Replace disc.



Additional Information

Handling guideline of discs and player

- Use only conventional, fully circular discs. Do not use shaped discs.



- Use 12-cm or 8-cm disc. Do not use an adapter when playing 8-cm discs.
- Do not insert anything other than a disc into the disc loading slot. Discs which can be played back are listed on *Playable discs* on page 6.
- Do not use cracked, chipped, warped, or otherwise damaged discs as they may damage the player.
- Do not touch the recorded surface of the discs.
- Store discs in their cases when not in use.
- Avoid leaving discs in excessively hot environments including under direct sunlight.
- Do not attach labels, write on or apply chemicals to the surface of the discs.
- To clean a disc, wipe the disc with a soft cloth outward from the center.
- Condensation may temporarily impair the player's performance. Leave it to adjust to the warmer temperature for about one hour. Also, wipe any dump discs with a soft cloth.
- Road shocks may interrupt disc playback.
- Read the precautions for discs before using them. ▣

DVD discs

- With some DVD video discs, it may not be possible to use certain functions.
- It may not be possible to play back some DVD video discs.
- When DVD-R/DVD-RW discs are used, playback is possible only for discs which have been finalized.

- When DVD-R/DVD-RW discs are used, playback is possible only for discs which have been recorded with the Video format (video mode). It is not possible to play back DVD-RW discs which have been recorded with the Video Recording format (VR mode).
- It may not be possible to play back DVD-R/DVD-RW discs which have been recorded with the Video format (video mode), because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of this unit.
- It is not possible to play back DVD-ROM/DVD-RAM discs.
- Playback of discs may not be possible because of disc characteristics, disc format, recorded application, playback environment, storage conditions, and so on. ▣

DVD-R/DVD-RW discs

- Unfinalized DVD-R/RW discs which have been recorded with the Video format (video mode) cannot be played back.
- DVD-R/RW discs which have been recorded with the Video Recording format (VR mode) can be played back. However, unfinalized disc may not be played back. Unplayable disc should be finalized. In addition, finalized DVD-R DL (Dual Layer) disc cannot be recorded/edited.
- DVD-R DL (Dual Layer) discs which have been recorded with the Video Recording format (VR mode) can be played back. However, this unit is not compatible with Layer Jump recording mode.
- For more information about recording mode, please contact manufacture of DVD recorder or application.


Additional Information

- The following logo indicates that this unit is compatible with DVD-RW discs which have been recorded with the Video Recording format (VR mode).


RW
COMPATIBLE




AVCHD recorded discs

- This unit is not compatible with discs recorded in AVCHD (Advanced Video Codec High Definition) format. Do not insert AVCHD discs. If inserted, the disc may not be ejected. 

CD-R/CD-RW discs

- When CD-R/CD-RW discs are used, playback is possible only for discs which have been finalized.
- It may not be possible to play back CD-R/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc., on the lens of this unit.
- Playback of discs recorded on a personal computer may not be possible, depending on the application settings and the environment. Please record with the correct format. (For details, contact the manufacturer of the application.)
- Playback of CD-R/CD-RW discs may become impossible in case of direct exposure to sunlight, high temperatures, or the storage conditions in the vehicle.
- Titles and other text information recorded on a CD-R/CD-RW disc may not be displayed by this unit (in the case of audio data (CD-DA)).
- Read the precautions with CD-R/CD-RW discs before using them. 

Dual Discs

- Dual Discs are two-sided discs that have a recordable CD for audio on one side and a recordable DVD for video on the other.
- Playback of the DVD side is possible with this unit. However, since the CD side of Dual Discs is not physically compatible with the general CD standard, it may not be possible to play the CD side with this unit.
- Frequent loading and ejecting of a Dual Disc may result in scratches on the disc. Serious scratches can lead to playback problems on this unit. In some cases, a Dual Disc may become stuck in the disc loading slot and will not eject. To prevent this, we recommend you refrain from using Dual Disc with this unit.
- Please refer to the information from the disc manufacturer for more detailed information about Dual Discs. 

Compressed audio files on the disc

- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- There may be a slight delay when starting playback of audio files encoded with image data.
- ISO 9660 Level 1 and 2 compliant. Romeo and Joliet file systems are both compatible with this player.
- Multi-session playback is possible.
- Compressed audio files are not compatible with packet write data transfer.
- Only 64 characters from the beginning can be displayed as a file name (including the extension such as .wma or .mp3) or a folder name.
- Folder selection sequence or other operation may be altered depending on the encoding or writing software.

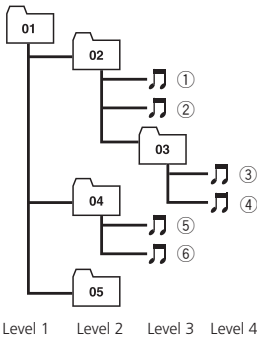
Additional Information

- Regardless of the length of blank section between the songs of original recording, compressed audio discs play with a short pause between songs.
- File extensions such as .wma or .mp3 must be used properly.

Example of a hierarchy

📁: Folder

🎵: Compressed audio file



- This unit assigns folder numbers. The user cannot assign folder numbers.
- It is possible to play back up to 255 folders on one disc.

Compressed audio compatibility

WMA

- Compatible format: WMA encoded by Windows Media Player
- Bit rate: 5 kbps to 320 kbps (CBR), VBR
- Sampling frequency: 8 kHz to 48 kHz
- Windows Media Audio 9 Professional, Lossless, Voice: No

MP3

- Bit rate: 8 kbps to 320 kbps (CBR), VBR
- Sampling frequency: 8 kHz to 48 kHz (8 kHz to 48 kHz for emphasis)
- Compatible ID3 tag version: 1.0, 1.1, 2.2, 2.3 (ID3 tag Version 2.x is given priority than Version 1.x.)
- M3u playlist: No

- MP3i (MP3 interactive), mp3 PRO: No

AAC

- Compatible format: AAC encoded by iTunes®
- Bit rate: 8 kbps to 320 kbps (CBR)
- VBR: No
- Sampling frequency: 8 kHz to 44.1 kHz
- Apple Lossless: No

DivX video files

- Depending on the file information composition such as the number of audio stream, there may be a slight delay in the start of playback on discs.
- Some special operation may be prohibited because of the composition of DivX files.
- DivX files downloaded only from DivX partner site are guarantee of proper operation. Unauthorized DivX file may not operate properly.
- DRM rental file cannot be operated until starting playing back.
- This unit corresponds to a DivX file display up to 1 590 minutes 43 seconds. Also, search operation beyond this time limit is prohibited.
- If a file contains more than 4 GB, playback is stopped on the way.
- DivX VOD file playback requires ID code of this unit to DivX VOD provider. About ID code, refer to *Displaying your DivX® VOD registration code* on page 44.
- File extensions such as .avi or .divx must be used properly.
- For more details about DivX, visit the following site:
<http://www.divx.com/>

Additional Information

DivX compatibility

- Compatible format: DivX video format implemented in relation to DivX standards
- DivX Ultra format: No
- DivX files without video data: No
- Compatible audio codec: MP2, MP3, Dolby Digital
- LPCM: No
- Bit rate: 8 kbps to 320 kbps (CBR), VBR
- Sampling frequency: 8 kHz to 48 kHz
- Compatible external subtitle file extension: .srt

Additional Information

Language code chart for DVD

Language (code), input code	Language (code), input code	Language (code), input code
Japanese (ja), 1001	Guarani (gn), 0714	Pashto, Pushto (ps), 1619
English (en), 0514	Gujarati (gu), 0721	Quechua (qu), 1721
French (fr), 0618	Hausa (ha), 0801	Rhaeto-Romance (rm), 1813
Spanish (es), 0519	Hindi (hi), 0809	Kirundi (rn), 1814
German (de), 0405	Croatian (hr), 0818	Romanian (ro), 1815
Italian (it), 0920	Hungarian (hu), 0821	Kinyarwanda (rw), 1823
Chinese (zh), 2608	Armenian (hy), 0825	Sanskrit (sa), 1901
Dutch (nl), 1412	Interlingua (ia), 0901	Sindhi (sd), 1904
Portuguese (pt), 1620	Interlingue (ie), 0905	Sangho (sg), 1907
Swedish (sv), 1922	Inupiak (ik), 0911	Serbo-Croatian (sh), 1908
Russian (ru), 1821	Indonesian (in), 0914	Sinhalese (si), 1909
Korean (ko), 1115	Icelandic (is), 0919	Slovak (sk), 1911
Greek (el), 0512	Hebrew (iw), 0923	Slovenian (sl), 1912
Afar (aa), 0101	Yiddish (ji), 1009	Samoa (sm), 1913
Abkhazian (ab), 0102	Javanese (jw), 1023	Shona (sn), 1914
Afrikaans (af), 0106	Georgian (ka), 1101	Somali (so), 1915
Amharic (am), 0113	Kazakh (kk), 1111	Albanian (sq), 1917
Arabic (ar), 0118	Greenlandic (kl), 1112	Serbian (sr), 1918
Assamese (as), 0119	Cambodian (km), 1113	Siswati (ss), 1919
Aymara (ay), 0125	Kannada (kn), 1114	Sesotho (st), 1920
Azerbaijani (az), 0126	Kashmiri (ks), 1119	Sundanese (su), 1921
Bashkir (ba), 0201	Kurdish (ku), 1121	Swahili (sw), 1923
Byelorussian (be), 0205	Kirghiz (ky), 1125	Tamil (ta), 2001
Bulgarian (bg), 0207	Latin (la), 1201	Telugu (te), 2005
Bihari (bh), 0208	Lingala (ln), 1214	Tajik (tg), 2007
Bislama (bi), 0209	Laothian (lo), 1215	Thai (th), 2008
Bengali (bn), 0214	Lithuanian (lt), 1220	Tigrinya (ti), 2009
Tibetan (bo), 0215	Latvian (lv), 1222	Turkmen (tk), 2011
Breton (br), 0218	Malagasy (mg), 1307	Tagalog (tl), 2012
Catalan (ca), 0301	Maori (mi), 1309	Setswana (tn), 2014
Corsican (co), 0315	Macedonian (mk), 1311	Tonga (to), 2015
Czech (cs), 0319	Malayalam (ml), 1312	Turkish (tr), 2018
Welsh (cy), 0325	Mongolian (mn), 1314	Tsonga (ts), 2019
Danish (da), 0401	Moldavian (mo), 1315	Tatar (tt), 2020
Bhutani (dz), 0426	Marathi (mr), 1318	Twi (tw), 2023
Esperanto (eo), 0515	Malay (ms), 1319	Ukrainian (uk), 2111
Estonian (et), 0520	Maltese (mt), 1320	Urdu (ur), 2118
Basque (eu), 0521	Burmese (my), 1325	Uzbek (uz), 2126
Persian (fa), 0601	Nauru (na), 1401	Vietnamese (vi), 2209
Finnish (fi), 0609	Nepali (ne), 1405	Volapük (vo), 2215
Fiji (fj), 0610	Norwegian (no), 1415	Wolof (wo), 2315
Faroese (fo), 0615	Occitan (oc), 1503	Xhosa (xh), 2408
Frisian (fy), 0625	Oromo (om), 1513	Yoruba (yo), 2515
Irish (ga), 0701	Oriya (or), 1518	Zulu (zu), 2621
Scots-Gaelic (gd), 0704	Panjabi (pa), 1601	
Galician (gl), 0712	Polish (pl), 1612	



Additional Information

Terms

AAC

AAC is short for Advanced Audio Coding and refers to an audio compression technology standard used with MPEG 2 and MPEG 4.

Aspect ratio

This is the width-to-height ratio of a TV screen. A regular display has an aspect ratio of 4:3. Wide screen displays have an aspect ratio of 16:9, providing a bigger picture for exceptional presence and atmosphere.

Bit rate

This expresses data volume per second, or bps (bits per second) units. The higher the rate, the more information is available to reproduce the sound. Using the same encoding method (such as MP3), the higher the rate, the better the sound.

Chapter

DVD titles are in turn divided into chapters which are numbered in the same way as the chapters of a book. With DVD video discs featuring chapters, you can quickly find a desired scene with chapter search.

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.

DivX Certified

DivX Certified products are officially tested by the creators of DivX and guaranteed to play all versions of DivX video, including DivX 6.

DVD-VR

DVD-VR (Video Recording) format enables you to edit directly to the DVD video disc. DVD-VR

formats allow you to add new video, change menus, add chapters, split clip, remove video segments and move.

ID3 tag

This is a method of embedding track-related information in an MP3 file. This embedded information can include the track title, the artist's name, the album title, the music genre, the year of production, comments and other data. The contents can be freely edited using software with ID3 Tag editing functions. Although the tags are restricted as to the number of characters, the information can be viewed when the track is played back.

ISO9660 format

This is the international standard for the format logic of CD-ROM folders and files. For the ISO9660 format, there are regulations for the following two levels.

Level 1:

The file name is in 8.3 format (the name consists of up to 8 characters, half-byte English capital letters and half-byte numerals and the “_” sign, with a file-extension of three characters).

Level 2:

The file name can have up to 31 characters (including the separation mark “.” and a file extension). Each folder contains less than 8 hierarchies.

Extended formats

Joliet:

File names can have up to 64 characters.

Romeo:

File names can have up to 128 characters.

Linear PCM (LPCM)/Pulse code modulation

This stands for linear pulse code modulation, which is the signal recording system used for music CDs and DVDs. Generally, DVDs are recorded with higher sampling frequency and bit rate than CDs. Therefore, DVDs can provide higher sound quality.

Additional Information

m3u

Playlists created using the "WINAMP" software have a playlist file extension (.m3u).

MP3

MP3 is short for MPEG Audio Layer 3. It is an audio compression standard set by a working group (MPEG) of the ISO (International Standards Organization). MP3 is able to compress audio data to about 1/10th the level of a conventional disc.

MPEG

This stands for Moving Pictures Experts Group, and is an international video image compression standard. Some DVDs feature digital audio compressed and recorded using this system.

Multi-angle

With regular TV programs, although multiple cameras are used to simultaneously shoot scenes, only images from one camera at a time are transmitted to your TV. Some DVDs feature scenes shot from multiple angles, letting you choose your viewing angle as desired.

Multi-audio (Multilingual dialog)

Some DVDs feature dialog recorded in multiple languages. Dialog in up to 8 languages can be recorded on a single disc, letting you choose as desired.

Multi-session

Multi-session is a recording method that allows additional data to be recorded later. When recording data on a CD-ROM, CD-R or CD-RW, etc., all data from beginning to end is treated as a single unit or session. Multi-session is a method of recording more than 2 sessions on one disc.

Multi-subtitle

Subtitles in up to 32 languages can be recorded on a single DVD, letting you choose as desired.

Optical digital output/input

By transmitting and receiving audio signals in a digital signal format, the chance of sonic quality deteriorating in the course of transmission is minimized. An optical digital output/input is designed to transmit and receive digital signals optically.

Packet write

This is a general term for a method of writing on CD-R, etc., at the time required for a file, just as is done with files on floppy or hard discs.

Parental lock

Some DVD video discs with violent or adult-oriented scenes feature parental lock which prevents children from viewing such scenes. With this kind of disc, if you set the unit's parental lock level, playback of scenes inappropriate for children will be disabled, or these scenes will be skipped.

Playback control (PBC)

This is a playback control signal recorded on Video CDs (Version 2.0). Using menu displays provided by Video CDs with PBC lets you enjoy playback of simple interactive software and software with search functions. You can also enjoy viewing high- and standard-resolution still images.

Region number

DVD players and DVD discs feature region numbers indicating the area in which they were purchased. Playback of a DVD is not possible unless it features the same region number as the DVD player. This unit's region number is displayed on the bottom of the unit.

Title

DVD video discs have high data capacity, enabling recording of multiple movies on a single disc. If, for example, one disc contains three separate movies, they are divided into title 1, title 2 and title 3. This lets you enjoy the convenience of title search and other functions.

Additional Information

VBR

VBR is short for variable bit rate. Generally speaking CBR (constant bit rate) is more widely used. But by flexibly adjusting the bit rate according to the needs of audio compression, it is possible to achieve compression-priority sound quality.

WMA

WMA is short for Windows Media™ Audio and refers to an audio compression technology that is developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 7 or later.

Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. ■

Additional Information

Specifications

General

Rated power source	14.4 V DC (allowable voltage range: 12.0 V to 14.4 V DC)
Grounding system	Negative type
Max. current consumption	10.0 A
Dimensions (W × H × D): DIN	
Chassis	178 mm × 50 mm × 161 mm
Nose	188 mm × 58 mm × 19 mm
D	
Chassis	178 mm × 50 mm × 165 mm
Nose	170 mm × 46 mm × 15 mm
Weight	1.4 kg

Audio

Maximum power output	50 W × 4 50 W × 2/4 Ω + 70 W × 1/2 Ω (for subwoofer)
Continuous power output	22 W × 4 (50 Hz to 15 000 Hz, 5% THD, 4 Ω load, both channels driven)
Load impedance	4 Ω to 8 Ω × 4 4 Ω to 8 Ω × 2 + 2 Ω × 1
Preout max output level	2.2 V
Equalizer (7-Band Graphic Equalizer):	
Frequency	50/125/315/800/2k/5k/12.5k Hz
Gain	±12 dB
HPF:	
Frequency	50/63/80/100/125 Hz
Slope	-12 dB/oct
Subwoofer (mono):	
Frequency	50/63/80/100/125 Hz
Slope	-18 dB/oct
Gain	+6 dB to -24 dB
Phase	Normal/Reverse
Bass boost:	
Gain	+12 dB to 0 dB

DVD Player

System	DVD video, DVD-VR, Video CD, CD, WMA, MP3, AAC, DivX system
Region number:	
for Middle East Asian and South African models	2
for Southeast Asian models	3

.....	for South American and Oceanian models
.....	4
Usable discs	DVD video, Video CD, dtsCD, CD, CD-R/RW, DVD-R/RW
Frequency response	5 Hz to 44 000 Hz (with DVD, at sampling frequency 96 kHz)
Signal-to-noise ratio	97 dB (1 kHz) (IEC-A network) (CD: 96 dB (1 kHz) (IEC-A network))
Output level:	
Video	1.0 Vp-p/75 Ω (±0.2 V)
Number of channels	2 (stereo)
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio) (Windows Media Player) (MPEG-4 AAC (iTunes® encoded only) (.m4a) (Ver. 7.2 and earlier)
AAC decoding format	MPEG-4 AAC (iTunes® encoded only) (.m4a) (Ver. 7.2 and earlier)
DivX decoding format	Home Theater Ver. 3, 4, 5.2 (.avi, .divx)

FM tuner

Frequency range	87.5 MHz to 108.0 MHz
Usable sensitivity	8 dBf (0.7 μV/75 Ω, mono, S/N: 30 dB)
Signal-to-noise ratio	75 dB (IEC-A network)

AM tuner


Frequency range	531 kHz to 1 602 kHz (9 kHz) 530 kHz to 1 640 kHz (10 kHz)
Usable sensitivity	18 μV (S/N: 20 dB)
Signal-to-noise ratio	65 dB (IEC-A network)

Infrared remote control

Wavelength	945 nm
Output	typ: 10 mw/sr per Infrared LED



Note

Specifications and the design are subject to modifications without notice due to improvements. 

Visit us on the World Wide Web at

<http://pioneer.jp/group/index-e.html>

<Middle East & Africa>

Pioneer Gulf.FZE

<http://www.pioneer-uae.com>

<Oceania>

Pioneer Electronics Australia. Pty.Ltd

<http://www.pioneeraus.com.au>

<Asia>

Pioneer Electronics Asiacentre.Pte

<http://www.pioneer.com.sg>

Pioneer (HK) Ltd.

<http://www.pioneerhongkong.com.hk>

Pioneer High Fidelity Taiwan Co., Ltd.

<http://www.pioneer-twn.com.tw>

<Latin>

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