

# Operation Manual

6-Disc Multi DVD/VCD/CD/MP3/WMA Player

# XDV-P650

## 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.*



### Be sure to read this

- Playable discs **6**
- DVD video disc region numbers **6**
- When an operation is prohibited **8**

### 01 Precautions

- IMPORTANT SAFEGUARDS **4**
- To ensure safe driving **4**
- To avoid battery exhaustion **5**

### 02 Before You Start

- About this unit **6**
- About this manual **7**
- In case of trouble **7**
- Features **7**
- About WMA **8**
- What the marks on DVDs indicate **8**
- Changing the mode switch setting **9**
- Resetting the microprocessor **9**
- Use and care of the remote control **9**

### 03 Customising your system

- Connecting with separately sold Pioneer products **11**
- Using multi-channel processor **11**
- Using the rear display **11**

### 04 What's What

- DVD Player **12**
- Remote control **13**

### 05 Basic Operations

- Switching power ON/OFF **15**
- Loading/Ejecting discs **15**

### 06 Playing DVD video discs

- Watching a DVD video **17**

- Operating the DVD menu **17**
- Skipping back or forward to another title **18**
- Stopping playback **18**
- Pausing DVD video playback **18**
- Resume playback (Bookmark) **18**
- Frame-by-frame playback **18**
- Slow motion playback **18**
- Specifying title **19**
- Specifying chapter **19**
- Changing audio language during playback (Multi-audio) **19**
- Changing the subtitle language during playback (Multi-subtitle) **20**
- Changing the viewing angle during playback (Multi-angle) **20**
- Return to the specified scene **20**
- Automatic playback of DVDs **20**
- Operating from the information displays **21**

### 07 Playing Video CDs

- Watching a Video CD **24**
- PBC playback **24**
- Stopping playback **25**
- Pausing Video CD playback **25**
- Frame-by-frame playback **25**
- Slow motion playback **25**
- Specifying track **25**
- Selecting audio output **26**
- Operating from the information display **26**

### 08 Playing CDs

- Listening to a CD **29**
- Stopping playback **29**
- Pausing CD playback **29**
- Operating from the information display **30**

### 09 Playing MP3/WMA

- Listening to MP3/WMA **32**
- Stopping playback **33**

Pausing MP3/WMA playback **33**  
Operating from the information display **33**

## **10** Setting up the DVD player

Introduction of DVD setup adjustments **36**  
Returning to the previous display **36**  
Setting the subtitle language **36**  
Setting the audio language **37**  
Setting the menu language **37**  
Switching the assist subtitle on or off **38**  
Setting the angle icon display **38**  
Setting the aspect ratio **38**  
Setting the parental lock **39**  
Setting for digital output **40**  
Setting digital and analog audio output **40**

## **11** Operating with the head unit

Switching power ON **42**  
Function compatibility **43**  
Function mode operation **43**

## **Additional Information**

Troubleshooting **45**  
Error messages **46**  
DVD player and care **48**  
DVD discs **48**  
CD-R/CD-RW discs **48**  
Dual Discs **49**  
MP3 and WMA files **49**  
About folders and MP3/WMA files **51**  
Language code chart for DVD **52**  
Terms **53**  
Specifications **56**

## **Index 57**

## IMPORTANT SAFEGUARDS

Please read all of these instructions regarding your display and retain them for future reference.

- 1 **Read this manual fully and carefully before operating your display.**
- 2 **Keep this manual handy as a reference for operating procedures and safety information.**
- 3 **Pay close attention to all warnings in this manual and follow the instructions carefully.**
- 4 **Do not allow other persons to use this system until they have read and understood the operating instructions.**
- 5 **Do not install the display where it may (i) obstruct the driver's vision, (ii) impair the performance of any of the vehicle's operating systems or safety features, including air bags, hazard lamp buttons or (iii) impair the driver's ability to safely operate the vehicle.**
- 6 **Do not operate this display if doing so in any way will divert your attention from the safe operation of your vehicle. Always observe safe driving rules and follow all existing traffic regulations. If you experience difficulty in operating the system or reading the display, park your vehicle in a safe location and make necessary adjustments.**
- 7 **Please remember to wear your seat belt at all times while operating your vehicle. If you are ever in an accident, your injuries can be considerably more severe if your seat belt is not properly buckled.**
- 8 **Never use headphones while driving.**
- 9 **To promote safety, certain functions are disabled unless the parking brake is on, and the vehicle is not in motion.**
- 10 **Never set the volume of your display so high that you cannot hear outside traffic and emergency vehicles.**

### 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.** 

## To ensure safe driving

### WARNING

- To avoid the risk of damage and injury and the potential violation of applicable laws, this unit is not for use with a video screen that is visible to the driver.
- 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.

To watch a DVD, Video CD or TV on the front display, park your vehicle in a safe place and apply the parking brake.

When you attempt to watch a DVD, Video CD or TV while driving, the warning **VIDEO VIEWING IS NOT AVAILABLE WHILE DRIVING** may appear on the front display.

## Precautions

### When using a display connected to REAR VIDEO OUT

This unit's **REAR VIDEO OUT** is for connection of a display to enable passengers in the rear seats to watch the DVD or TV.



#### **WARNING**

**NEVER** install the rear display in a location that enables the driver to watch the DVD or TV while driving.

### To avoid battery exhaustion

Be sure to run the vehicle engine while using this unit. Using this unit without running the engine can result in battery drainage.



#### **WARNING**

Do not use with vehicles that do not feature an ACC position.

## About this unit

### ⚠ CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, this unit damage, smoke, and overheat 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



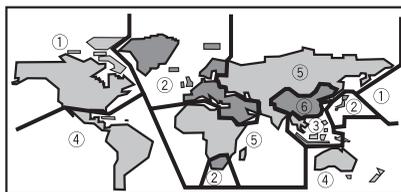
### ✎ Notes

- **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.



## Before You Start

### 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. 

### In case of trouble

Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station. 

### Features

#### DVD video playback

It is possible to play back DVD video and DVD-R/RW (video mode).

Remember that use of this system for commercial or public viewing purposes may constitute an infringement on the author's rights protected by the Copyright Law.

#### Video CDs featuring PBC compatibility

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

#### CD playback

Music CD/CD-R/RW playback is possible.

#### MP3 file playback

You can play back MP3 files recorded on CD-ROM/CD-R/CD-RW (ISO9660 Level 1/Level 2 standard recordings).

- 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>.

#### WMA file playback

You can play back WMA files recorded on CD-ROM/CD-R/CD-RW (ISO9660 Level 1/Level 2 standard recordings).

#### NTSC/PAL compatibility

This unit is NTSC/PAL system compatible. When connecting other components to this unit, be sure components are compatible with the same video system otherwise images will not be correctly reproduced.

#### Dolby Digital/DTS compatibility

- Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" is a registered trademark of Digital Theater Systems, Inc.

#### Multi-aspect

Switching between wide screen, letterbox and panscan display is possible.

**Multi-audio**

You can switch between multiple audio systems recorded on a DVD as desired.

**Multi-subtitle**

You can switch between multiple subtitle languages recorded on a DVD as desired.

**Multi-angle**

You can switch between multiple viewing angles of a scene recorded on a DVD as desired.

**Note**

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.

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.

**Notes**

- This unit may not operate correctly depending on the application used to encode WMA files.
- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed. 

**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.

## Before You Start

- The icon  may not appear with certain discs. 

## Changing the mode switch setting

Use a pen tip or other pointed instrument to select the correct setting of the Mode switch on the side surface of this unit for the component you are using it with. After changing the setting, be sure to press **RESET**.

### When using this product with a Pioneer component featuring an IP BUS input

- **Select the IP BUS mode.**

For more details, refer to the installation manual.

### When using this product with a Pioneer component that does not feature an IP-BUS input, or another company's product

- **Select the STAND ALONE mode.**

For more details, refer to the installation manual. 

## Resetting the microprocessor

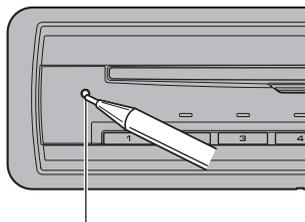
Pressing **RESET** lets you reset the microprocessor to its initial settings. The microprocessor must be reset under the following conditions:

- Prior to using this unit for the first time after installation
- When changing the mode switch setting
- If the unit fails to operate properly

- When strange or incorrect messages appear on the display

**1 Turn the ignition switch OFF.**

**2 Press RESET with a pen tip or other pointed instrument.**



RESET button

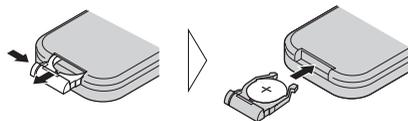


## Use and care of the remote control

### Installing the battery

Slide the tray out on the back of the remote control and insert the battery with the plus (+) and minus (-) poles pointing in the proper direction.

- 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, immediately consult a doctor.

 **CAUTION**

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

**Using the remote control**

Point the remote control in the direction of the 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. 

## Customising your system

### Connecting with separately sold Pioneer products

*Connecting with other Pioneer products, you can create the best audio-visual environment for enjoying music and movie in car. This section describes available options that can be controlled by this unit. ▣*

### Using multi-channel processor

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”, “Pro Logic”, and the double-D symbol are trademarks of Dolby Laboratories.

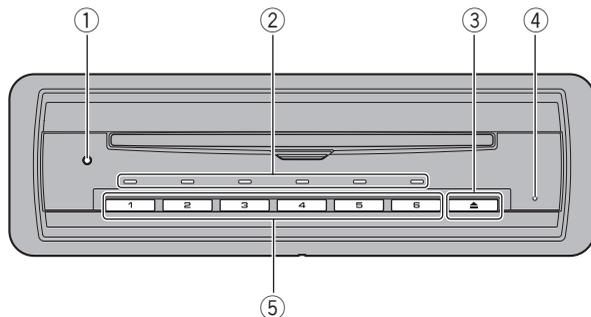


- “DTS” is a registered trademark of Digital Theater Systems, Inc.



### Using the rear display

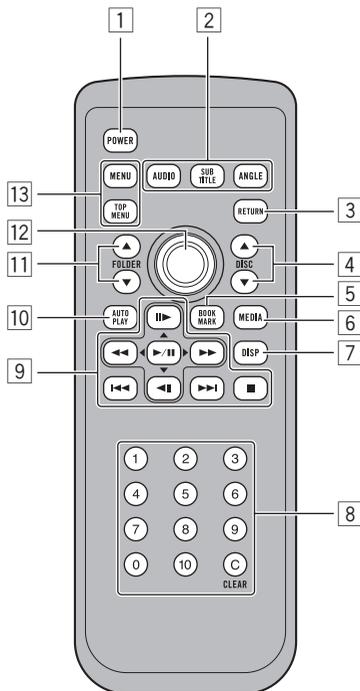
Combining this unit with a rear display (sold separately), you can display the selected source on the rear display so passengers in rear seats can comfortably view the same image with the front or they can watch the different image (i.e. image from AVG-VDP1) independently. ▣



## DVD Player

- ① **RESET button**  
Press to return to the factory settings (initial settings).
- ② **Disc (holder) indicator**  
It shows status of the disc and holder.
- ③ **▲ button**  
Press to eject a disc.  
Press and hold to eject all the discs.
- ④ **Power indicator**  
It lights up when power is on.
- ⑤ **1-6 buttons**  
Press to select a desired disc (holder). ■

# What's What



## Remote control

No.	Button names	Operation
1	<b>POWER</b> button	Press to turn this unit on or off.
2	<b>AUDIO</b> button	Press to change the audio language during DVD playback.
	<b>SUBTITLE</b> button	Press to change the subtitle language during DVD playback.
	<b>ANGLE</b> button	Press to change the viewing angle during DVD playback.
3	<b>RETURN</b> button	Press to display the PBC (playback control) menu during PBC playback.
4	<b>▲/▼</b> button ( <b>DISC</b> )	Press to select the next/previous disc.
5	<b>BOOKMARK</b> button	Press to turn the bookmark function on or off. For details, refer to <i>Resume playback (Bookmark)</i> on page 18.
6	<b>MEDIA</b> button	Press to switch mode between MP3/WMA and audio data (CD-DA) when playing discs with MP3/WMA and audio data (CD-DA) such as CD-EXTRA and MIXED-MODE CDs. Press and hold to return to folder 01 (ROOT) when playing discs with MP3/WMA. However, if folder 01 (ROOT) contains no files, playback commences with folder 02.

No.	Button names	Operation
7	<b>DISP</b> button	Press to select different displays.
8	<b>0-10</b> buttons	Press to directly select the desired track, chapter or folder.
	<b>C</b> button	Press to cancel the input number when <b>0-10</b> are used.
9	<b>PLAY/PAUSE</b> (▶/⏸) button	Press to switch sequentially between playback and pause.
	<b>REVERSE</b> (◀◀) button	Press to perform fast reverse.
	<b>FORWARD</b> (▶▶) button	Press to perform fast forward.
	<b>PREVIOUS</b> (◀◀) button	Press to return to the previous track (chapter).
	<b>NEXT</b> (▶▶) button	Press to go to the next track (chapter).
	<b>STEP</b> (⏪/◀◀) button	Press to move ahead one frame at a time during DVD/VideoCD playback. Press and hold for one second to activate slow playback.
	<b>STOP</b> (■) button	Press to stop playback.
10	<b>AUTO PLAY</b> button	Press to turn the DVD auto-playback function on or off.
11	▲/▼ button ( <b>FOLDER</b> )	Press to select the next/previous title or folder.
12	Joystick	Move to do fast forward, reverse and track search controls. Click to recall <b>MENU</b> .
13	<b>MENU</b> button	Press to display the DVD menu during DVD playback.
	<b>TOP MENU</b> button	Press to return to the top menu during DVD playback.



## Basic Operations

### Switching power ON/OFF

#### Switching power ON

##### When using the IP BUS mode

###### 1 Switch the display image source to this product.

For details, refer to the manual of the connected unit.

###### 2 Press SOURCE on the head unit.

Press repeatedly until source DVD is selected. For details, refer to the manual of the connected unit.

##### When using the STAND ALONE mode

###### 1 Switch the display image source to this product.

For details, refer to the manual of the connected unit.

###### 2 Press POWER.

Power to this product switches ON and the power indicator lights.



#### Note

With some discs, a menu may be displayed. (Refer to *Operating the DVD menu* on page 17.)

### Switching power OFF

#### When using the IP BUS mode

##### ● Press and hold SOURCE on the head unit.

- When you have switched the power of this unit ON by pressing **POWER**, turning the head unit OFF can not switch this unit OFF.



#### Note

When you have switched the power of this unit ON by pressing **POWER**, be sure not to forget to switch the power of this unit OFF.

#### When using a rear display in the IP BUS mode

- Even if the source selected with the head unit is not source DVD, if you switch power to this product ON with **POWER**, you can watch the DVD picture from this product on the rear display.
- Regardless of whether the head unit is switched ON/OFF, you can switch power to this product ON/OFF.

#### When using the STAND ALONE mode

##### ● Press POWER.

Power to this product switches OFF and the power indicator goes out. 

### Loading/Ejecting discs

#### Loading a disc

Up to six discs can be stored into this unit. Each disc is stored in each disc holder allowing you to specify a holder for loading a disc.

##### 1 Press one of the 1–6 buttons on the DVD player to select the holder you want to insert a disc in.

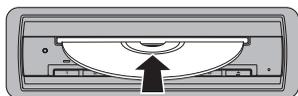
Each of the disc holders has corresponding indicator. The indicator shows status of the disc and holder as the table below.

Status of disc and holder	Indicator
The holder is empty.	Does not light.
The holder is being selected.	Flashes in blue.

Status of disc and holder	Indicator
A disc can be loaded to the holder.	Flashes in red.
A disc is being loaded to the holder.	Flashes in red.
A disc is loaded to the holder.	Lights in blue.
A disc is loaded to the holder and the disc is selected.	Lights in red.
The discs are being exchanged.	Flashes in red.
The disc is being ejected.	Flashes in red.

■ If the holder has already loaded a disc, you need to eject the disc first. For details concerning about ejecting a disc, refer to *Ejecting a disc* on this page.

## 2 Insert a disc into the disc loading slot.



The disc is loaded into the selected holder and the indicator corresponding to the holder lights in red.

Repeat these steps until you have done loading discs into this unit.

■ 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 20.

### Notes

- The DVD player plays one, standard 12-cm disc at a time. Playing back an 8-cm disc is not possible with this unit. Playable disc and adapter are listed in the table below.

12-cm disc	8-cm disc	8-cm disc adapter
√	—	—

- 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 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 ▲ to eject the disc, and check the disc for damage before inserting it again.
- If an error message such as **ERROR-02** is displayed, refer to *Error messages* on page 46.
- If bookmark function is on, DVD playback resumes from the selected point. For more details, refer to *Resume playback (Bookmark)* on page 18.
- This unit does not automatically change discs even if it reaches to the end of the currently playing disc. To change discs, press one of the 1-6 buttons on the DVD player or ▲/▼ (DISC).

## Ejecting a disc

You can specify a holder that you eject a disc from.

### 1 Press one of the 1-6 buttons on the DVD player to select the holder you want to eject the disc from.

Each of the disc holders has corresponding indicator. About the indicator status, refer to *Loading a disc* on the previous page.

### 2 Press ▲ to eject a disc.

The disc is ejected.

- You can eject all loaded discs at once. To do this, press and hold ▲.

To cancel the ejecting, press ▲. □

## Playing DVD video discs

### Watching a DVD video

These are the basic steps necessary to play a DVD video with your DVD player. More advanced DVD video operation is explained starting on page 21.

#### 1 To select a desired disc press one of the 1–6 buttons on the DVD player.

Playback starts.

- The indicator of selectable disc holders light in blue. If a disc is not inserted, you cannot select that disc holder.
- Each of the disc holders has corresponding indicator. About the indicator status, refer to *Loading a disc* on page 15.
- You can also select a disc by pressing ▲ or ▼ (DISC).
- With some discs, a menu may be displayed. (Refer to *Operating the DVD menu* on this page.)
- This unit does not automatically change discs even if it reaches to the end of the currently playing disc. To change discs, press one of the 1–6 buttons on the DVD player or ▲/▼ (DISC).

#### 2 To select a title press ▲ or ▼ (FOLDER).

#### 3 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.

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

If you continue pressing ◀◀ or ▶▶ for five seconds, the color of the icon ◀◀/▶▶ changes from white to blue. 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.

- There is no sound on fast forward or reverse. ◻

### Operating the DVD menu

Some DVDs allow you to select from the disc contents using a menu.

- 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.

#### 1 Use the joystick to select the desired menu item.

#### 2 Click the joystick.

Playback starts from the selected menu item.

### Operating the DVD menu with 10 key

Some DVDs allow you to select from the disc contents using 0–10.

#### ● Press 0–10 corresponding to a menu number to start playback.

- 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.
- Pressing **C** cancels the input numbers. ◻

## Skipping back or forward to another title

- Press ▲ or ▼ (FOLDER) to skip back or forward to another title.

Pressing ▲ skips to the start of the next title. Pressing ▼ skips to the start of the previous title.

Title numbers are displayed for eight seconds.

- You can also skip back or forward to another title by moving the joystick up or down. 

## Stopping 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 play back the disc again, press ►/II. 

## 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. 

## Resume playback (Bookmark)

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

- 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 six 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. 

## Frame-by-frame playback

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

- Press II► during playback.

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

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

### Notes

- 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 and hold II► during playback.

The icon  is displayed, forward slow motion playback begins.

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

## Playing DVD video discs

### 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. 

## Specifying title

You can specify title when the disc is stopped.

### ● Press 0–10 corresponding to a desired title number when the disc is stopped.

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. 

## Specifying chapter

You can specify chapter during playback.

### ● Press 0–10 corresponding to a desired chapter number during playback.

Chapter number is displayed for eight seconds and playback starts from the selected chapter.

- 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. 

## 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.

### ● Press AUDIO during playback.

Each time you press **AUDIO** it switches between audio systems.

#### 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 **SET-UP MENU**. For details, refer to *Setting the audio language* on page 37.
- Only digital output of DTS audio is possible. If this unit's optical digital outputs are not connected, DTS audio will not be output, so select an audio setting other than DTS.
- Display indications such as **Dolby D** and **5.1ch** indicate the audio system recorded on the DVD. Depending on the setting, playback may not be with the same audio system as that indicated.
- Pressing **AUDIO** during fast forward/fast reverse, pause or slow motion playback returns you to normal playback. 

## Changing the subtitle language during playback (Multi-subtitle)

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

- **Press SUBTITLE during playback.**

Each time you press **SUBTITLE** it switches between subtitle languages.

### 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 **SET-UP MENU**. For details, refer to *Setting the subtitle language* on page 36.
- Pressing **SUBTITLE** during fast forward/fast reverse, pause or slow motion playback returns you to normal playback. 

## 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.

- During playback of a scene shot from multiple angles, the angle icon  is displayed.
- **Press ANGLE during playback of a scene shot from multiple angles.**

Each time you press **ANGLE** it switches between angles.

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

## Return to the specified scene

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

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

### Note

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

## 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.

- 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.**
  - To turn automatic playback off, press **AUTO PLAY** again.
  - When the automatic playback is on, repeat range is set to **Disc** and you cannot operate repeating play of DVD disc. 

## Playing DVD video discs

### Operating from the information displays



Information display 1 lets you use the search function to specify a title or chapter to search for a desired scene, use the time search function to specify a time to search for a desired scene, select the desired audio and subtitle language, and select the angle. In addition to the search and time search functions of the information display 1, information display 2 lets you select the range for repeat play.

#### ① Information display

Shows the function status.

#### ● Press DISP to switch the information display.

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

**Information display 1—Information display 2—Disc list display—Normal playback display**

#### Notes

- You can perform title, chapter and time settings with either the information display 1 or 2. This manual explains how to use the information display 1 to perform title, chapter and time settings.
- Pressing **DISP** during fast forward/reverse returns you to normal playback.

### Searching for a desired scene, starting playback from a specified time

You can use the search function to search for a desired scene by specifying a title or chapter, and the time search function to specify the time on a disc at which play starts.

#### 1 Move the joystick left or right to select a desired option.

The selected option is highlighted.

#### 2 Press 0–10 to input the desired number. For titles and chapters

- To select 3, press **3**.
- To select 10, press **1** and **0** in order.
- To select 23, press **2** and **3** in order.
  - To jump 10 titles or chapters ahead of the selected one, press **10**.

#### For time (time search)

- To select 21 minutes 43 seconds, press **2**, **1**, **4** and **3** in order.
- To select 1 hour 11 minutes, convert the time into 71 minutes 00 seconds and press buttons **7**, **1**, **0** and **0** in order.
  - To jump 10 seconds ahead of the selected time, press **10**.

- Pressing **C** cancels the input number.
- You can also select titles and chapters by moving the joystick up or down.

#### 3 While the input number is displayed, click the joystick.

This starts playback from the selected scene.

- If you do not click the joystick within about eight seconds, the input number is cancelled.

#### Notes

- With discs featuring a menu, you can also press **MENU** or **TOP MENU** and then make selections from the displayed menu.
- With some discs, the icon  may be displayed, indicating that titles, chapters and time cannot be specified.

- Chapter search and time search are not possible when disc playback has been stopped.
- Even without using an information display you can start playback from a specified title or chapter. For details, refer to *Specifying title* on page 19 and *Specifying chapter* on page 19.

## Selecting audio, subtitle and angle

You can perform audio (language, stereo, audio type as Dolby Digital etc.), subtitle language and angle selection.

### 1 Move the joystick left or right to select a desired option.

The selected option is highlighted.

### 2 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

#### For Audio

Selection options switch as follows:

**Audio 1—Audio 2—Audio 3**

#### For Subtitles

Selection options switch as follows:

**Subtitles 1—Subtitles 2—Subtitles 3**

#### For Angle

Selection options switch as follows:

**Angle 1—Angle 2—Angle 3**



#### Notes

- The number of switching options depends on how many options are recorded on the DVD.
- You can switch audio, subtitle and angle during playback using the respective buttons.
- Display indications such as **Dolby D** and **5.1ch** indicate the audio system recorded on the DVD. Depending on the setting, playback may not be with the same audio system as that indicated.

## Selecting repeat range

You can choose between repeat play of a disc, title or chapter.

### 1 Press DISP to switch to the information display 2.

### 2 Move the joystick left or right to select the repeat range option.

The repeat range option is highlighted.

### 3 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

- **Disc** – Repeat the current disc
- **Title** – Repeat just the current title
- **Chapter** – Repeat just the current chapter



#### Note

Certain DVD discs display a menu upon completion of repeat playback.

## Selecting audio output

You can switch between stereo and monaural audio output.

### 1 Press DISP to switch to the information display 2.

### 2 Move the joystick left or right to select the audio option.

The audio option is highlighted.

### 3 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

- **L+R** – Left and right
- **L** – Left
- **R** – Right

## Playing DVD video discs



### Note

This function is possible only with Linear PCM sound.

## Switching discs

You can switch discs.

**1 Press DISP to switch to the disc list display.**

**2 Move the joystick left or right to select the desired disc.**

A frame appears around the selected disc.

**3 Click the joystick.**

The selected disc starts playing.



### Notes

- You can also switch discs by pressing **1-6**.
- You can also switch discs by pressing **▲** or **▼** (**DISC**). 

## Watching a Video CD

These are the basic steps necessary to play a Video CD with your DVD player. More advanced Video CD operation is explained starting on page 26.

### 1 To select a desired disc press one of the 1–6 buttons on the DVD player.

Playback starts.

- The indicator of selectable disc holders light in blue. If a disc is not inserted, you cannot select that disc holder.
- Each of the disc holders has corresponding indicator. About the indicator status, refer to *Loading a disc* on page 15.
- With a Video CD featuring the PBC (playback control) function, a menu is displayed.
- You can also select a disc by pressing ▲ or ▼ (DISC).
- This unit does not automatically change discs even if it reaches to the end of the currently playing disc. To change discs, press one of the 1–6 buttons on the DVD player or ▲/▼ (DISC).

### 2 To skip back or forward to another track, press I◀◀ or ▶▶I.

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

- During PBC playback, a menu may be displayed if you perform these operations.

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

If you continue pressing ◀◀ or ▶▶ for five seconds, the color of the icon ◀◀/▶▶ changes from white to blue. 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.

- There is no sound on fast forward or reverse. ◻

## PBC playback

With Video CDs featuring PBC (playback control) function, you can operate a menu.

### ● When PBC menu is displayed, press 0–10 corresponding to a menu number to start playback.

- To select 3, press **3**.
- To select 10, press **1** and **0** in order.
- To select 23, press **2** and **3** in order.
  - To jump 10 tracks ahead of the selected one, press **10**.
- Pressing **C** cancels the input number.
- You can display the menu by touching **RETURN** during PBC playback. For details, refer to the instructions provided with the disc.
- Depending on the discs, the menu may be two or more pages long. In such case, touch I◀◀ or ▶▶I to display the next or previous menu. Once you confirm a desired menu number, press 0–10 to make the selection.
- Operation with the joystick is not possible.



### Notes

- PBC playback of Video-CD cannot be cancelled.
- During playback of Video CDs featuring PBC (Playback Control), search and time search functions cannot be used nor can you select the range for repeat play. ◻

## Playing Video CDs

### Stopping playback

- **Press ■.**
  - When you stop Video CD playback (during PBC playback only) by pressing ■, that location on the disc is memorized, enabling playback from that point when you play the disc again.
  - To play back the disc again, touch ►/II. 

### 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. 

### Frame-by-frame playback

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

- **Press II► during playback.**

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

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

#### Notes

- 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 and hold II► 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. 

### Specifying track

You can use the search function to specify a track to search for a desired track.

#### ● Press 0–10 corresponding to a desired track number during playback.

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

## Playing Video CDs

- To select 3, press **3**.
- To select 10, press **1** and **0** in order.
- To select 23, press **2** and **3** in order.
  - To jump 10 tracks ahead of the selected one, press **10**.
- Pressing **C** cancels the input number.

### 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 audio output

You can switch the audio output.

- This function is not possible when disc playback has been stopped.
- **Press AUDIO to select the audio output.**
  - **L+R** – left and right
  - **L** – left
  - **R** – right

### Note

Depending on the disc and the playback location on the disc, the function may not be selectable, indicating that operating this function is not possible. .

## Operating from the information display



This display lets you use the search function to specify a track to search for desired scenes, use the time search function to specify a time to search for a desired scene, switch audio output, and select the range for repeat play. During playback of Video CDs featuring PBC (Playback Control), **PBC ON** is displayed. During such playback, search and time search functions cannot be used nor can you select the range for repeat play. (Refer to *Selecting repeat range* on the next page.)

- PBC playback of Video-CD cannot be cancelled.

### ① Information display

Shows the function status.

### ● Press DISP to switch the information display.

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

**Information display—Disc list display—Normal playback display**

## Playing Video CDs

### Searching for a desired scene, starting playback from a specified time

You can use the search function to search for a desired scene by specifying a track, and the time search function to specify the time on a disc at which play starts.

- During playback of Video CDs featuring PBC (playback control), this function cannot be operated.
- Track search and time search are not possible when disc playback has been stopped.

#### 1 Move the joystick left or right to select a desired option.

The selected option is highlighted.

#### 2 Press 0–10 to input the desired number. For tracks

- To select 3, press **3**.
- To select 10, press **1** and **0** in order.
- To select 23, press **2** and **3** in order.
  - To jump 10 tracks ahead of the selected one, press **10**.

#### For time (time search)

- To select 21 minutes 43 seconds, press **2**, **1**, **4** and **3** in order.
- To select 1 hour 11 minutes, convert the time into 71 minutes 00 seconds and press buttons **7**, **1**, **0** and **0** in order.
  - To jump 10 seconds ahead of the selected time, press **10**.
- Pressing **C** cancels the input number.

#### 3 While the input number is displayed, click the joystick.

This starts playback from the selected scene.



#### Notes

- Time search is not possible when disc playback has been stopped.

- Even without using an information display you can start playback from a specified track. For details, refer to *Specifying track* on page 25.

### Selecting repeat range

You can choose between repeat play of a disc or a track.

#### 1 Move the joystick left or right to select the repeat range option.

The repeat range option is highlighted.

#### 2 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

- **Disc** – Repeat the current disc
- **Track** – Repeat just the current track



#### Notes

- When repeat play of a Video CD disc is selected, a menu may be displayed after playback depending on the disc.
- During playback of Video CDs featuring PBC (playback control), this function cannot be operated.

### Selecting audio output

You can switch between stereo and monaural audio output.

#### 1 Move the joystick left or right to select the audio option.

The audio option is highlighted.

#### 2 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

- **L+R** – Left and right
- **L** – Left
- **R** – Right

## Switching discs

You can switch discs.

**1 Press DISP to switch to the disc list display.**

**2 Move the joystick left or right to select the desired disc.**

A frame appears around the selected disc.

**3 Click the joystick.**

The selected disc starts playing.



### Notes

- You can also switch discs by pressing **1-6**.
- You can also switch discs by pressing **▲** or **▼** (**DISC**). 

## Playing CDs

### Listening to a CD

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

#### 1 To select a desired disc press one of the 1–6 buttons on the DVD player.

Playback starts.

- The indicator of selectable disc holders light in blue. If a disc is not inserted, you cannot select that disc holder.
- Each of the disc holders has corresponding indicator. About the indicator status, refer to *Loading a disc* on page 15.
- You can also select a disc by pressing ▲ or ▼ (DISC).
- This unit does not automatically change discs even if it reaches to the end of the currently playing disc. To change discs, press one of the 1–6 buttons on the DVD player or ▲/▼ (DISC).

#### 2 To skip back or forward to another track, press I◀◀ or ▶▶I.

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

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

If you continue pressing ◀◀ or ▶▶, the icon ◀◀/▶▶ is displayed. To resume playback at a desired point, release ◀◀/▶▶.

- There is no sound on fast forward or reverse.

#### Note

When playing discs with MP3/WMA files and audio data (CD-DA) such as CD-EXTRA and MIXED-MODE CDs, both types can be played only by switching mode between MP3/WMA and CD-DA by pressing **MEDIA**. This function can be operated only when the disc is playing. 

### Stopping playback

- **Press ■.**
  - When you stop CD playback by pressing ■, that location on the disc is memorized enabling playback from that point when you play the disc again.
  - To play back the disc again, press ▶/II. 

### Pausing CD playback

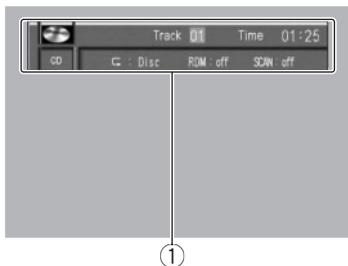
Pause lets you temporarily stop disc playback.

- **Press ▶/II during playback.**

The icon II appears in the display. Play of the current track pauses.

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

## Operating from the information display



This display lets you use the search function to specify a track to search for desired track, select the range for repeat play, and switch random play and scan play on or off.

### ① Information display

Shows the function status.

#### ● Press DISP to switch the information display.

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

#### Information display 1—Information display 2—Disc list display

- Information display 2 is displayed only when you are playing a CD TEXT disc.

## Searching for a desired track

You can use the search function to specify a track to search for a desired track.

### 1 Move the joystick left or right to select the track option.

The track option is highlighted.

### 2 Press 0–10 to input the desired number.

- To select 3, press **3**.
- To select 10, press **1** and **0** in order.
- To select 23, press **2** and **3** in order.

— To jump 10 tracks ahead of the selected one, press **10**.

- Pressing **C** cancels the input number.
- You can also select tracks by moving the joystick up or down.

### 3 While the input number is displayed, click the joystick.

Play of the selected track starts.

## Selecting repeat range

You can choose between repeat play of a disc or a track.

### 1 Move the joystick left or right to select the repeat range option.

The repeat range option is highlighted.

### 2 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

- Disc** – Repeat the current disc
- Track** – Repeat just the current track

#### Note

If you perform track search or fast forward/reverse, repeat play is automatically cancelled.

## Setting random play

Random play lets you play back tracks on the CD in a random order.

### 1 Move the joystick left or right to select the random option.

The random option is highlighted.

### 2 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

- on** – Tracks will play in a random order
- off** – Tracks will continue to play in order

## Playing CDs

### Setting scan play

Scan play lets you hear the first 10 seconds of each track on the CD.

#### 1 Move the joystick left or right to select the scan option.

The scan option is highlighted.

#### 2 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

- **on** – The first 10 seconds of each track is played
- **off** – Tracks will continue to play

#### 3 When you find the desired track, move the joystick up or down to cancel the scan play.



#### Note

After scanning of a CD is finished, normal playback of the tracks will begin again.

### Using CD TEXT functions

Some discs have certain information encoded on the disc during manufacture. These discs may contain such information as the CD title, track title, artist's name and playback time and are called CD TEXT discs. Only these specially encoded CD TEXT discs support the functions listed below.

#### Displaying text information on CD TEXT discs

##### 1 Press DISP to switch to the information display 2.

##### 2 Move the joystick left or right to select the title option.

The title option is highlighted.

##### 3 Move the joystick up or down to select the desired title.

This switches you to the selected title.

- **Disc Title** – Disc title
- **Disc Artist** – Disc artist name
- **Track Title** – Track title
- **Track Artist** – Track artist name
  - If specific information has not been recorded on a CD TEXT disc, **No XXXX** will be displayed (e.g., **No Track Artist Name**).
  - Some characters may not be displayed properly.

#### Scrolling text information in the display

This unit can display the first 22 letters of **Disc Title**, **Disc Artist**, **Track Title** and **Track Artist**. When the recorded information is longer than 22 letters, you can scroll the text to the left so that the rest of the title can be seen.

##### ● Click the joystick to scroll the title to the left.

The rest of the title will appear in the display.

### Switching discs

You can switch discs.

##### 1 Press DISP to switch to the disc list display.

##### 2 Move the joystick left or right to select the desired disc.

A frame appears around the selected disc.

##### 3 Click the joystick.

The selected disc starts playing.



#### Notes

- You can also switch discs by pressing **1–6**.
- You can also switch discs by pressing **▲** or **▼** (**DISC**). 

## Listening to MP3/WMA

These are the basic steps necessary to play an MP3/WMA with your built-in DVD player. More advanced MP3/WMA operation is explained starting on the next page.

### 1 To select a desired disc press one of the 1–6 buttons on the DVD player.

Playback starts.

- The indicator of selectable disc holders light in blue. If a disc is not inserted, you cannot select that disc holder.
- Each of the disc holders has corresponding indicator. About the indicator status, refer to *Loading a disc* on page 15.
- You can also select a disc by pressing ▲ or ▼ (**DISC**).
- This unit does not automatically change discs even if it reaches to the end of the currently playing disc. To change discs, press one of the 1–6 buttons on the DVD player or ▲/▼ (**DISC**).

### 2 To select a folder press ▲ or ▼ (**FOLDER**).

- To return to folder **001** (ROOT), press and hold **MEDIA**. However, if folder **001** (ROOT) contains no files, playback commences with folder **002**.
- You cannot select a folder that does not have an MP3/WMA file recorded in it.

### 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 it again will skip to the previous track.

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

If you continue pressing ◀◀ or ▶▶, the icon ◀◀/▶▶ is displayed. To resume playback at a desired point, release ◀◀/▶▶.

- There is no sound on fast forward or reverse.



### Notes

- When playing discs with MP3/WMA files and audio data (CD-DA) such as CD-EXTRA and MIXED-MODE CDs, both types can be played only by switching mode between MP3/WMA and CD-DA by pressing **MEDIA**. This function can be operated only when the disc is playing.
- If you have switched between playback of MP3/WMA files and audio data (CD-DA), playback starts at the first track on the disc.
- This DVD player can play back an MP3/WMA file recorded on CD-ROM. (Refer to page 49 for files that can be played back.)
- There is sometimes a delay between starting up disc playback and the sound being issued. When being read, **DISC DATA READING** is displayed.
- Playback is carried out in order of file number. Folders are skipped if they contain no files. (If folder **001** (ROOT) contains no files, playback commences with folder **002**.)
- This unit does not play back WMA files recorded as VBR (variable bit rate).
- If the inserted disc contains no files that can be played back, **NON-PLAYABLE DISC** is displayed.
- If the inserted disc contains WMA files that are protected by digital rights management (DRM), **TRACK SKIPPED** is displayed while the protected file is skipped.
- If all the files on the inserted disc are secured by DRM, **PROTECTED CD** is displayed.
- When a disc contains both WMA files which are protected by DRM and audio data (CD-DA), both types cannot be switched. In this case, only audio data will be played back. ◻

## Playing MP3/WMA

### Stopping playback

- **Press ■.**
  - When you stop MP3/WMA playback by pressing ■, that location on the disc is memorized enabling playback from that point when you play the disc again.
  - To play back the disc again, touch ►/||. ◻

### Pausing MP3/WMA playback

Pause lets you temporarily stop disc playback.

- **Press ►/|| during playback.** The icon || appears in the display. Play of the current track pauses.
  - To resume playback at the same point that you turned pause on, press ►/|| again. ◻

### Operating from the information display



This display lets you use the search function to specify a track or a folder to search for desired track or folder, select the range for repeat play, and switch random play, scan play and pause playback on or off.

- ① **Information display**  
Shows the function status.

- **Press DISP to switch the information display.**

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

**Information display 1—Information display 2—Disc list display**

### Searching for a desired folder or track

You can use the search function to specify a track to search for a desired folder or track.

- 1 Move the joystick left or right to select a desired option.**

The selected option is highlighted.

- 2 Press 0–10 to input the desired number.**

- To select 3, press **3**.
- To select 10, press **1** and **0** in order.

## Playing MP3/WMA

- To select 23, press **2** and **3** in order.
  - To jump 10 folders or 10 tracks ahead of the selected one, press **10**.
- Pressing **C** cancels the input number.
- You can also select folders or tracks by moving the joystick up or down.
  - You can also select folders by pressing **▲** or **▼** (**FOLDER**).

### 3 While the input number is displayed, click the joystick.

Play of the selected folder or track starts.

## Selecting repeat range

For MP3/WMA playback, there are three repeat play ranges: **Folder** (folder repeat), **Track** (one-track repeat) and **Disc** (repeat all tracks).

### 1 Move the joystick left or right to select the repeat range option.

The repeat range option is highlighted.

### 2 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

- **Folder** – Repeat the current folder
- **Disc** – Repeat the current disc
- **Track** – Repeat just the current track



### Notes

- If you select other folder during repeat play, the repeat play range changes to **Disc**.
- If you perform track search or fast forward/reverse during **Track**, the repeat play range changes to **Folder**.
- When **Folder** is selected, it is not possible to play back a subfolder of that folder.
- When playing discs with MP3/WMA files and audio data (CD-DA), repeat play performs within the currently playing data type even if **Disc** is selected.

## Setting random play

Random play lets you play back tracks in a random order within the repeat range, **Folder** and **Disc**.

### 1 Move the joystick left or right to select the random option.

The random option is highlighted.

### 2 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

- **on** – Tracks will play in a random order within the previously selected **Folder** or **Disc** ranges
- **off** – Tracks will continue to play in order

## Setting scan play

While you are using **Folder**, the beginning of each track in the selected folder plays for about 10 seconds. When you are using **Disc**, the beginning of the first track of each folder is played for about 10 seconds.

### 1 Move the joystick left or right to select the scan option.

The scan option is highlighted.

### 2 Move the joystick up or down to switch to the desired setting.

This switches you to the selected setting.

- **on** – The first 10 seconds of each track of the current folder (or the first track of each folder) is played
- **off** – Tracks will continue to play

### 3 When you find the desired track, move the joystick up or down to cancel the scan play.

## Playing MP3/WMA



### Note

After track or folder scanning is finished, normal playback of the tracks will begin again.

## Displaying text information on MP3/WMA disc

Text information recorded on a MP3/WMA disc can be displayed.

**1 Press DISP to switch to the information display 2.**

**2 Move the joystick left or right to select the title option.**

The title option is highlighted.

**3 Move the joystick up or down to select the desired title.**

This switches you to the selected title.

- **Folder Name** – Folder name
  - **File Name** – File name
  - **Track Title** – Track title
  - **Artist Name** – Artist name
  - **Album Title** – Album title
  - **Comment** – Comment
  - **Bit Rate** – Bit rate
- When playing back WMA files, album title and comment are not displayed.

**No Album Title** or **No Comment** is displayed.

- If specific information has not been recorded on an MP3/WMA disc, **No XXXX** will be displayed (e.g., **No Artist Name**).
- Some characters may not be displayed properly.

## Scrolling text information in the display

This unit can display the first 22 letters of

**Folder Name, File Name, Track Title, Artist Name, Album Title** and **Comment**.

When the recorded information is longer than

22 letters, you can scroll the text to the left so that the rest of the title can be seen.

● **Click the joystick to scroll the title to the left.**

The rest of the title will appear in the display.

## Switching discs

You can switch discs.

**1 Press DISP to switch to the disc list display.**

**2 Move the joystick left or right to select the desired disc.**

A frame appears around the selected disc.

**3 Click the joystick.**

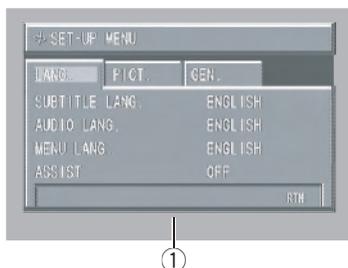
The selected disc starts playing.



### Notes

- You can also switch discs by pressing **1–6**.
- You can also switch discs by pressing **▲** or **▼** (**DISC**). 

## 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.

### ① SET-UP MENU

Shows the setup menu status.

#### 1 Press ■.

**2 Press MENU when the disc is stopped.** **SET-UP MENU** is displayed.

**3 Move the joystick left or right to switch between LANG., PICT. and GEN.**

#### Note

If you press **MENU** during display of a **SET-UP MENU**, the **SET-UP MENU** is canceled and the unit returns to the previous display. ■

## Returning to the previous display

The **SET-UP MENU** lets you switch between displays of different setting options. To continue performing different settings, or if you

make a mistake during setting, pressing **RETURN** takes you back to the previous display each time you press it. ■

## 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.

**1 Move the joystick up or down to select SUB TITLE LANG. in the LANG. SUB TITLE LANG. is highlighted.**

**2 Click the joystick.**

A subtitle language menu is displayed.

**3 Move the joystick up or down to select the desired language.**

The currently set language is indicated with the blue box. The language selected with the joystick is highlighted.

- To switch to the second language select menu, move the joystick left or right.
- To return to the first language select menu, move the joystick left or right.

**4 Click the joystick.**

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.

## Setting up the DVD player

- 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 52, use the number buttons to input the four digit code of the desired language, and then click the joystick.



#### Note

Pressing **C** cancels the input numbers.

## Setting the audio language

You can set the preferred audio language.

### 1 Move the joystick up or down to select AUDIO LANG. in the LANG.

**AUDIO LANG.** is highlighted.

### 2 Click the joystick.

An audio language menu is displayed.

### 3 Move the joystick up or down to select the desired audio language.

The currently set language is indicated with the blue box. The language selected with the joystick is highlighted.

- To switch to the second audio language select menu, move the joystick left or right.
- To return to the first audio language select menu, move the joystick left or right.

### 4 Click the joystick.

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 19.)
- 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 joystick up or down to select MENU LANG. in the LANG.

**MENU LANG.** is highlighted.

### 2 Click the joystick.

A menu language menu is displayed.

### 3 Move the joystick up or down to select the desired menu language.

The currently set language is indicated with the blue box. The language selected with the joystick is highlighted.

- To switch to the second menu language select menu, move the joystick left or right.
- To return to the first menu language select menu, move the joystick left or right.

### 4 Click the joystick.

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 the previous 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 joystick up or down to select ASSIST in the LANG.**  
**ASSIST** is highlighted.

**2 Click the joystick.**

Each time you click the joystick the selected setting switches on or off.

## 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 joystick up or down to select ANGLE in the PICT.**  
**ANGLE** is highlighted.

**2 Click the joystick.**

Angle icon display is set on or off.

**Notes**

- You can also switch the angle during playback with **ANGLE**. (Refer to *Changing the viewing angle during playback (Multi-angle)* on page 20.)
- 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 joystick up or down to select TV ASPECT in the PICT.**  
**TV ASPECT** is highlighted.

**2 Click the joystick.**

TV aspect menu is displayed.

**3 Move the joystick up or down to select the desired TV aspect.**

The currently set TV aspect is indicated with blue box. The TV aspect selected with the joystick is highlighted.

- **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 joystick.**

The selected TV aspect is set.

## Setting up the DVD player



### 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.

- 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.

**1 Move the joystick up or down to select PARENTAL in the GEN.**  
**PARENTAL** is highlighted.

**2 Click the joystick.**  
Parental lock setting menu is displayed.

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

**4 Click the joystick.**  
The code number is set, and you can now set the level.

**5 Move the joystick 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

**6 Click the joystick.**  
The parental lock level is set.



### Notes

- We recommend to keep a record of your code number in case you forget it.
- 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 joystick up or down to select PARENTAL in the GEN.**  
**PARENTAL** is highlighted.

**2 Click the joystick.**  
Parental lock setting menu is displayed.

**3 Press 0–9 buttons to input the registered code number.**

## Setting up the DVD player

### 4 Click the joystick.

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

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

### 5 Move the joystick left or right to select the desired level.

### 6 Click the joystick.

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 **C** 10 times. The registered code number is canceled, letting you register a new one. 

## Setting for digital output

Set digital output correctly to match the components you are using with this unit. There is no need to change settings if this unit is not connected for digital output.

- When using this unit with a Pioneer multi-channel processor (DEQ-P7650), select **STREAM**.



#### Important

Incorrect setting may result in noise and damage to speakers so be sure to read the manuals of the connected components.



### 1 Move the joystick up or down to select **DIGITAL OUTPUT in the GEN.**

**DIGITAL OUTPUT** is highlighted.

### 2 Click the joystick.

Digital output setting menu is displayed.

### 3 Move the joystick up or down to select the desired digital output setting.

The currently set digital output setting is indicated with blue box. The digital output setting selected with the joystick is highlighted.

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

### 4 Click the joystick.

The selected digital output setting is set.



#### Notes

- Linear PCM output of DTS audio is not possible. If you select **LPCM**, DTS audio is not output.
- When using an amplifier and decoder that are not Dolby Digital compatible, select **LPCM**. 

## Setting digital and analog audio output

You can set linear PCM audio output for both digital and analog output. Set audio output correctly to match the components you are using with this unit.

- When using digital connections, select **48KHz**.
- When using analog connections, select **96KHz**.

## Setting up the DVD player



### Important

If the setting is incorrect there will be no sound so be sure to read the manuals of the connected components.

#### 1 Move the joystick up or down to select **OUTPUT SELECTION** in the **GEN.**

**OUTPUT SELECTION** is highlighted.

#### 2 Click the joystick.

Audio output setting menu is displayed.

#### 3 Move the joystick up or down to select the desired audio output setting.

The currently set audio output setting is indicated with blue box. The digital output setting selected with the joystick is highlighted.

- **48KHz** – A 48 kHz signal is output regardless of the audio sampling frequency. A 96 kHz signal is converted to a 48 kHz signal. (initial setting)
- **96KHz** – The signal is output with the same frequency as the audio sampling frequency. With a 96kHz signal, you can enjoy exceptionally high sound quality.

#### 4 Click the joystick.

The selected audio output setting is set.



### Notes

- With discs featuring 96 kHz recording, if you select **96KHz**, audio is not output from digital output.
- With discs that do not feature a CSS (Content Scrambling System) copy guard signal, a 96 kHz digital signal is output.
- When using this unit with a Pioneer multi-channel processor (DEQ-P7650), select **48KHz**. If you select **96KHz**, no sound will be output when playing discs featuring 96 kHz recordings. ■

## Operating with the head unit

When in the **IP BUS** mode, some operations can be performed with the head unit. When using this unit as an external unit and in the **IP BUS** mode, refer to *Function compatibility* on the next page and *Function mode operation* on the next page, and operate with the appropriate buttons.

### Switching power ON

When using this unit as an external unit and in the **IP BUS** mode, performing the following steps switches power ON.

#### 1 Switch the display image source to this product.

For details, refer to the manual of the connected unit.

#### 2 Press **SOURCE** on the head unit.

Press repeatedly until source DVD is selected. For details, refer to the manual of the connected unit.



#### Notes

- You cannot switch the head unit's source with remote control of this unit.
- When you have switched the power of this unit ON by pressing **POWER**, turning the head unit OFF can not switch this unit OFF.
- When you have switched the power of this unit ON by pressing **POWER**, be sure not to forget to switch the power of this unit OFF.

## Operating with the head unit

### Function compatibility

Button	Operation	Function			
		DVD video	Video CD	CD	MP3/WMA
1-6	Press.	Select a desired disc (holder).			
▲ or ▼	Press.	Select the next/previous title.	No function.	Select the next/previous folder.	
	Press and hold.	Select the next/previous disc.			
◀ or ▶	Press.	Return to the previous track (chapter) or go to the next track (chapter) <sup>*1</sup> .			
	Press and hold.	Perform fast forward or reverse <sup>*2</sup> .			
BAND/ESC	Press.	No function.		Switch mode between MP3/WMA and audio data (CD-DA) <sup>*3</sup> .	
	Press and hold.	No function.		Return to folder 01 (ROOT) <sup>*4</sup> .	
FUNCTION (FUNC)	Press.	Select a function.			



#### Note

With some units, the following operations are not possible.

- Switching mode between MP3/WMA and audio data (CD-DA)
- Returning to folder 01 (ROOT)

### Function mode operation

Function mode	Operation	Function			
		DVD video	Video CD	CD	MP3/WMA
FUNCTION1	Press ▲ or ▼.	Switch the head unit display.			
	Press and hold ▲ or ▼.	No function.			

\*1 You can use this function when you select **AUTO** in **AUTO/MANUAL (A/M)**.

\*2 You can use this function when you select **MANUAL** in **AUTO/MANUAL (A/M)**.

\*3 You can use this function when playing discs with MP3/WMA files and audio data (CD-DA) such as CD-EXTRA and MIXED-MODE CDs.

\*4 If folder 01 (ROOT) contains no files, playback commences with folder 02.

## Operating with the head unit

Function mode	Operation	Function			
		DVD video	Video CD	CD	MP3/WMA
FUNCTION2	Press ▲ or ▼.	Play/Pause.			
	Press and hold ▲ or ▼.	No function.		Turn random play on or off.	
FUNCTION3	Press ▲ or ▼.	No function.		Turn scan play on or off.	
	Press and hold ▲ or ▼.	No function.			
FUNCTION4	Press ▲ or ▼.	Select a repeat range.			
	Press and hold ▲ or ▼.	No function.			
AUTO/MANUAL	Press ◀ or ▶.	Switch between <b>AUTO</b> and <b>MANUAL</b>			



## 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 the correct fuse with the same rating.
	Noise and other factors are causing the built-in microprocessor to operate incorrectly.	Press <b>RESET</b> . (Page 9)
Playback is not possible.	The disc is dirty.	Clean disc. (Page 48)
	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 pressing  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 38)
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 54)
A parental lock message is displayed and playback is not possible.	Parental lock is on.	Turn parental lock off or change the level. (Page 39)

## Additional Information

Symptom	Cause	Action (See)
Parental lock cannot be canceled.	The code number is incorrect.	Input the correct code number. (Page 39)
	You have forgotten your code number.	Press <b>C</b> 10 times to cancel the code number. (Page 40)
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 <b>SET-UP MENU</b> .	The DVD playing does not feature dialog or subtitles in the language selected in <b>SET-UP MENU</b> .	Switching to a selected language is not possible if the language selected in <b>SET-UP MENU</b> is not recorded on the disc.
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 (See)
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 record the error message.

## Additional Information

Message	Cause	Action (See)
<b>ERROR-02</b>	Dirty disc	Clean disc.
	Scratched disc	Replace disc.
<b>ERROR-05</b>	Electrical or mechanical	Press <b>RESET</b> .
<b>ERROR-A0</b>	Electrical or mechanical	Consult your dealer or your nearest authorized Pioneer Service Station.
<b>DIFFERENT REGION DISC (REGION ERR)</b>	The disc does not have the same region number as this unit	Replace the DVD video with one bearing the correct region number.
<b>NON-PLAYABLE DISC (NON-PLAY)</b>	This type of disc cannot be played by this unit	Replace the disc with one this unit can play.
	The disc is loaded upside down	Check that the disc is loaded correctly.
<b>TEMPERATURE PROTECTION IN MOTION (TEMP)</b>	The temperature of this unit is outside the normal operating range	Wait until the unit's temperature returns to within normal operating limits.
<b>PROTECTED CD</b>	All the files on the inserted disc are secured by digital rights management (DRM)	Replace disc.
<b>TRACK SKIPPED</b>	The inserted disc contains WMA files that are protected by digital rights management (DRM)	Replace disc.



## Additional Information

### DVD player and care

- Use only normal, round discs. If you insert irregular, non-round, shaped discs they may jam in the DVD player or not play properly.



- Check all discs for cracks, scratches or warping before playing. Discs that have cracks, scratches or are warped may not play properly. Do not use such discs.
- Avoid touching the recorded (non-printed) surface when handling the disc.
- Store discs in their cases when not in use.
- Keep discs out of direct sunlight and do not expose the discs to high temperatures.
- 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.



- If the heater is used in cold weather, condensation may form on components inside the DVD player. Condensation may cause the DVD player to not operate properly. If you think that condensation is a problem turn off the DVD player for an hour or so to allow it to dry out and wipe any damp discs with a soft cloth to remove the moisture.
- Road shocks may interrupt disc playback.
- The DVD player plays one, standard 12-cm disc at a time. Playing back an 8-cm disc is not possible with this unit. Playable disc and adapter are listed in the table below.

12-cm disc	8-cm disc	8-cm disc adapter
√	—	—



### 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 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.)

### CD-R/CD-RW discs

- When CD-R/CD-RW discs are used, playback is possible only for discs which have been finalized.

## Additional Information

- 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)).
- If you insert a CD-RW disc into this unit, time to playback will be longer than when you insert a conventional CD or CD-R disc.
- 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. 

## MP3 and WMA files

- MP3 is short for MPEG Audio Layer 3 and refers to an audio compression technology standard.
- 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.
- This unit may not operate correctly depending on the application used to encode WMA files.
- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- This unit allows playback of MP3/WMA files on CD-ROM, CD-R and CD-RW discs. Disc recordings compatible with level 1 and level 2 of ISO9660 and with the Romeo and Joliet file system can be played back.
- It is possible to play back multi-session compatible recorded discs.
- MP3/WMA files are not compatible with packet write data transfer.
- The maximum number of characters which can be displayed for a file name, including the extension (.mp3 or .wma), is 48, from the first character.
- The maximum number of characters which can be displayed for a folder name is 48.
- In case of files recorded according to the Romeo file system, only the first 48 characters can be displayed.

## Additional Information

- When playing discs with MP3/WMA files and audio data (CD-DA) such as CD-EXTRA and MIXED-MODE CDs, both types can be played only by switching mode between MP3/WMA and CD-DA.
- The folder selection sequence for playback and other operations becomes the writing sequence used by the writing software. For this reason, the expected sequence at the time of playback may not coincide with the actual playback sequence. However, there also is some writing software which permits setting of the playback order.
- Some audio CDs contain tracks that merge into one another without a pause. When these discs are converted to MP3/WMA files and burned to a CD-R/CD-RW/CD-ROM, the files will be played back on this player with a short pause between each one, regardless of the length of the pause between tracks on the original audio CD.

### Important

- When naming an MP3 or a WMA file, add the corresponding filename extension (.mp3 or .wma).
- This unit plays back files with the filename extension (.mp3 or .wma) as an MP3 or a WMA file. To prevent noise and malfunctions, do not use these extensions for files other than MP3 or WMA files.

### MP3 additional information

- Files are compatible with the ID3 Tag Ver. 1.0, 1.1, 2.2 and 2.3 formats for display of album (disc title), track (track title), artist (track artist) and comments. Ver. 2.x of ID3 Tag is given priority when both Ver. 1.x and Ver. 2.x exist.
- The emphasis function is valid only when MP3 files of 32, 44.1 and 48 kHz frequencies are played back. (16, 22.05, 24, 32, 44.1, 48 kHz sampling frequencies can be played back.)
- There is no m3u playlist compatibility.
- There is no compatibility with the MP3i (MP3 interactive) or mp3 PRO formats.
- The sound quality of MP3 files generally becomes better with an increased bit rate. This unit can play recordings with bit rates from 8 kbps to 320 kbps, but in order to be able to enjoy sound of a certain quality, we recommend using only discs recorded with a bit rate of at least 128 kbps.

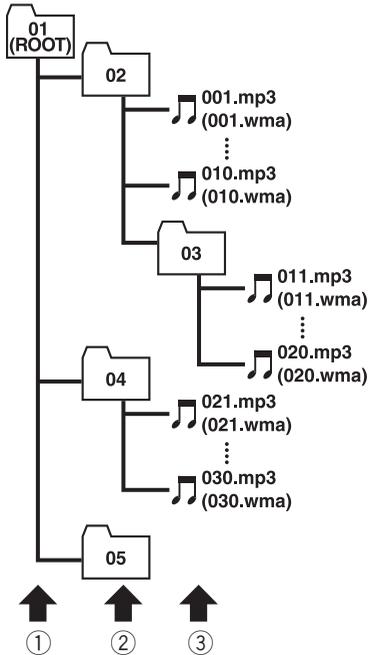
### WMA additional information

- This unit plays back WMA files encoded by Windows Media Player version 7 and 8.
- You can only play back WMA files in the frequencies 32, 44.1 and 48 kHz.
- The sound quality of WMA files generally becomes better with an increased bit rate. This unit can play recordings with bit rates from 48 kbps to 192 kbps, but in order to be able to enjoy sound of a certain quality, we recommend using discs recorded with a higher bit rate.
- This unit does not play back WMA files recorded as VBR (variable bit rate). 

## Additional Information

### About folders and MP3/WMA files

- An outline of a CD-ROM with MP3/WMA files on it is shown below. Subfolders are shown as folders in the folder currently selected.



- ① First level
- ② Second level
- ③ Third level

#### Notes

- This unit assigns folder numbers. The user cannot assign folder numbers.
- It is not possible to check folders that do not include MP3/WMA files. (These folders will be skipped without displaying the folder number.)
- It is possible to play back up to 253 items from folders on one disc.

## Additional Information

### Language code chart for DVD

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



## Additional Information

### Terms

#### 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.

#### Dolby Digital

Dolby Digital provides multi-channel audio from up to 5.1 independent channels. This is the same as the Dolby Digital surround sound system used in theaters.

#### DTS

This stands for Digital Theater Systems. DTS is a surround system delivering multi-channel audio from up to 6 independent channels.

#### 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 num-

ber 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

Joilet:

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.

#### 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.

## Additional Information

### **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 .....	4.0 A
DVD Player:	
Dimensions (W × H × D):	
DIN	
Chassis .....	178 × 50 × 161 mm
Nose .....	188 × 58 × 21 mm
D	
Chassis .....	178 × 50 × 166 mm
Nose .....	170 × 46 × 16 mm
Weight .....	1.7 kg
Hideaway unit:	
Dimensions (W × H × D)	
.....	179 × 28 × 100 mm
Weight .....	0.5 kg
System .....	DVD video, Video CD, Compact disc audio system
Region number:	
for Southeast Asian models	
.....	3
for South American and Oceanian models	
.....	4
Usable discs .....	DVD video, Video CD, Compact disc, CD-ROM (MP3, WMA)
Signal format:	
Sampling frequency .....	
.....	44.1/48/96 kHz
Number of quantization bits	
.....	16/20/24; linear
Number of channels .....	2 (stereo)
MP3 decoding format .....	MPEG-1 & 2 Audio Layer 3
WMA decoding format .....	Ver. 7 & 8 (Windows Media Audio)

#### Video

Video output level ..... 1.0 V<sub>p-p</sub>/75 Ω (±0.2 V)

#### Audio

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))
Dynamic range .....	95 dB (1 kHz) (CD: 94 dB (1 kHz))
Distortion .....	0.008 % (1 kHz)
Audio output level .....	1.0 V (1 kHz, 0 dB)



#### Note

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

<b>A</b>		
Angle icon .....	20, 38	
Aspect ratio .....	38, 53	
Audio language .....	19, 37	
<b>B</b>		
Bookmark .....	18	
<b>C</b>		
Chapter .....	53	
Code number .....	39	
<b>D</b>		
Dolby Digital .....	7, 53	
DTS .....	7, 53	
<b>L</b>		
Language code chart .....	52	
Linear PCM (LPCM) .....	53	
<b>M</b>		
Menu language .....	37	
MPEG .....	54	
Multi-angle .....	20, 54	
Multi-audio .....	19, 54	
Multi-subtitle .....	20, 54	
<b>O</b>		
Optical digital output/input .....	54	
<b>P</b>		
Parental lock .....	39, 54	
PBC (playback control) .....	24	
Playback control (PBC) .....	54	
<b>R</b>		
Region number .....	6, 54	
<b>S</b>		
Subtitle language .....	20, 36	
<b>T</b>		
Title .....	54	
TV aspect .....	38	
<b>V</b>		
Video CD .....	6	



## **PIONEER CORPORATION**

4-1, MEGURO 1-CHOME, MEGURO-KU, TOKYO 153-8654, JAPAN

### **PIONEER ELECTRONICS (USA) INC.**

P.O. Box 1540, Long Beach, California 90801-1540, U.S.A.  
TEL: (800) 421-1404

### **PIONEER EUROPE NV**

Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium  
TEL: (0) 3/570.05.11

### **PIONEER ELECTRONICS ASIACENTRE PTE. LTD.**

253 Alexandra Road, #04-01, Singapore 159936  
TEL: 65-6472-7555

### **PIONEER ELECTRONICS AUSTRALIA PTY. LTD.**

178-184 Boundary Road, Braeside, Victoria 3195, Australia  
TEL: (03) 9586-6300

### **PIONEER ELECTRONICS OF CANADA, INC.**

300 Allstate Parkway, Markham, Ontario L3R OP2, Canada  
TEL: 1-877-283-5901

### **PIONEER ELECTRONICS DE MEXICO, S.A. de C.V.**

Bldv.Manuel Avila Camacho 138 10 piso  
Col.Lomas de Chapultepec, Mexico, D.F. 11000  
TEL: 55-9178-4270

### **先鋒股份有限公司**

總公司：台北市中山北路二段44號13樓  
電話：(02) 2521-3588

### **先鋒電子（香港）有限公司**

香港九龍尖沙咀海港城世界商業中心  
9樓901-6室  
電話：(0852) 2848-6488

Published by Pioneer Corporation.  
Copyright © 2006 by Pioneer Corporation.  
All rights reserved.

Printed in Japan

<CRB2224-B> RC, RD

<KMIZX> <06C00000>