

DVD RDS RECEIVER

Pioneer

English

DVH-340UB

Owner's Manual



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Before you start

Thank you for purchasing this PIONEER product

To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe **WARNINGS** and **CAUTIONS** in this manual. *Please keep the manual in a safe and accessible place for future reference.*

(Symbol examples for batteries)



Pb

To ensure safe driving

WARNING

- To avoid the risk of accident and the potential violation of applicable laws, no viewing of front seat video should ever occur while the vehicle is being driven. Also, rear displays should not be in a location where they are visibly distracting to the driver.
- In some countries or states the viewing of images on a display inside a vehicle even by persons other than the driver may be illegal. Where such regulations apply, they must be obeyed and this unit's DVD features should not be used.
- **NEVER** install the display in a location that enables the driver to watch images while driving.

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

Information for users on collection and disposal of old equipment and used batteries

(Symbol for equipment)



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

These symbols are only valid in the European Union.

For countries outside the European Union:

If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Before you start

Demo mode

Important

- Failure to connect the red lead (ACC) of this unit to a terminal coupled with ignition switch on/off operations may lead to battery drain.
- Remember that if the feature demo continues operating when the car engine is turned off, it may drain battery power.

The demo starts automatically if you do not operate this unit within about 30 seconds since the unit was last operated or if the ignition switch is set to ACC or ON while the unit is turned off. To cancel the demo mode, you need to display the initial settings. Select **DEMO** (*demo display setting*) and turn off the demo display. For details, refer to *Initial settings* on page 17.

In case of trouble

Should this unit fail to operate properly, please contact your dealer or nearest authorized PIONEER Service Station.

About this unit

The tuner frequencies on this unit are allocated for use in Europe, Asia, the Middle East, Africa and Oceania. Use in other areas may result in poor reception. The RDS (radio data system) function operates only in areas with FM stations broadcasting RDS signals.

CAUTION

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

- Always keep the volume low enough to hear outside sounds.
- Avoid exposure to moisture.
- If the battery is disconnected or discharged, any preset memory will be erased.

CAUTION

This product is a class 1 laser product classified under the Safety of laser products, IEC 60825-1:2007, and contains a class 1M laser module. 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.

CLASS 1 LASER PRODUCT

CAUTION—CLASS 1M VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

DVD video disc region numbers

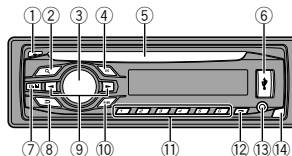
Only DVD video discs with compatible region numbers can be played on this player. You can find the region number of the player on the bottom of this unit and in this manual (refer to *Specifications* on page 31).

About this manual

- Function setting operations are completed even if the menu is cancelled before the operations are confirmed.
- In the following instructions, USB memories and USB audio players are collectively referred to as "USB storage device".

Operating this unit

Head unit



Part	Part
① ▲ (eject)	⑧ ⇄ (back/display)
② 🔍 (list)	⑨ ◀▶
③ MULTI-CONTROL (M.C.)	⑩ BAND
	1/∧ to 6/↶
	• 1/∧
	• 2/√
④ SRC/OFF	⑪ • 3/S.Rtrv
	• 4/PAUSE
	• 5/✕
	• 6/↷
⑤ Disc loading slot	⑫ PTY
⑥ USB port	⑬ AUX input jack (3.5 mm stereo jack)
⑦ EQ/HD (EQ)	⑭ Detach button

Note

The function of ⇄ is different depending on the setting of the display connection (refer to **V.OUT** (*display connection*) on page 18).

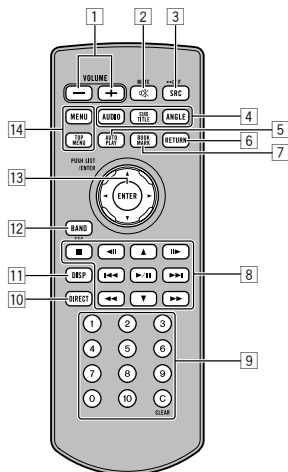
CAUTION

Use an optional Pioneer USB cable (CD-U50E) to connect the USB audio player/USB memory as any device connected directly to the unit will protrude out from the unit and may be dangerous.

Do not use unauthorized products.

Operating this unit

Remote control



Button names	Operation
1 VOLUME	Press to increase or decrease volume.
2 \llcorner / MUTE	Press to mute. Press again to unmute.
3 SRC/OFF	Functions are the same as SRC/OFF button on the head unit.
4 AUDIO	(Only in DVD source) Press to change the audio language/audio system during DVD/DivX playback.
SUBTITLE	(Only in DVD source) Press to change the subtitle language during DVD/DivX playback.
ANGLE	(Only in DVD source) Press to change the viewing angle during DVD playback.
5 AUTO PLAY	(Only in DVD source) Press to turn the DVD auto-playback function on or off.

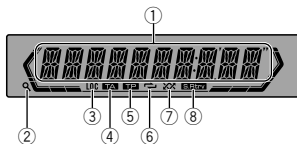
Operating this unit

Button names	Operation
6 RETURN	(Only in DVD source) Press to display the PBC (playback control) menu during PBC playback.
7 BOOKMARK	(Only in DVD source) Press to turn the bookmark function on or off. For details, refer to <i>Resume playback (Bookmark)</i> on page 11.
PLAY/PAUSE (▶/⏸)	(Only in DVD source) Press to switch sequentially between playback and pause.
REVERSE (◀◀)	(Only in DVD source) Press to perform fast reverse. Press to change the fast reverse speed.
FORWARD (▶▶)	(Only in DVD source) Press to perform fast forward. Press to change the fast forward speed.
PREVIOUS (◀◀)	(Only in DVD source) Press to return to the previous track (chapter).
8 NEXT (▶▶)	(Only in DVD source) Press to go to the next track (chapter).
STEP (⏮/⏭)	(Only in DVD source) Press to move ahead one frame at a time during DVD/Video CD/DivX playback. Press and hold for one second to activate slow playback.
STOP (■)	(Only in DVD source) Press to stop playback. Press while playback is stopped to stop playback completely (resume off).
UP/DOWN (▲/▼)	Press to recall preset stations. Press to select the next/previous folder or album. Press to select the next/previous title during DVD video playback.
9 0 to 10, CLEAR	When pressing DIRECT , press 0 to 10 to input numbers. Press CLEAR to clear the input numbers. Press 1 to 6 to select the desired preset station for the tuner. (Only in DVD source) Press to select to a desired title number on a DVD. Press to select a menu item on a video CD featuring PBC (playback control).
10 DIRECT	Press to select tracks (chapters) directly.

Operating this unit

	Button names	Operation
11	DISP	Press to turn the information display on or off when the video is displayed. Depending on the selected source, pressing this button can switch the display indication. Press and hold to turn dimmer on or off.
12	BAND/ESC	Functions are the same as BAND button on the head unit. Press to switch between media file types.
13	Move the thumb pad	(Only in DVD source) Use to select a menu on the DVD menu.
	Click the thumb pad	Click to display the disc title list, track title list, folder list or file list depending on the source. (Only in DVD source) Click ENTER to select a menu on the DVD menu.
14	MENU	(Only in DVD source) Press to display the DVD menu during DVD playback.
	TOP MENU	(Only in DVD source) Press to return to the top menu during DVD playback.

Display indication



Indicator	State
①	<ul style="list-style-type: none"> Tuner: band and frequency RDS: program service name, PTY information and other literal information Built-in DVD player and USB: elapsed playback time and literal information
②	Main display section
③	Local seek tuning is being operated.
④	TA (TA) TA function is on.
⑤	TP (TP) A TP station is tuned in.
⑥	Track or folder repeat is on.

Operating this unit

Indicator	State
⑦	XX (random) Random play is on.
⑧	SRtrw (sound retriever) The sound retriever function is on.

Set up menu

When you turn the ignition switch to ON after installation, set up menu appears on the display. You can set up the menu options below.

Important

New settings will not take effect until you finish making changes on the setup menu.

1 After installation of this unit, turn the ignition switch to ON.
SET UP appears.

2 Turn M.C. to switch to YES.

- If you do not operate for 30 seconds, the set up menu will not be displayed.
- If you prefer not to set up at this time, turn **M.C.** to switch to **NO**.

If you select **NO**, you cannot set up in the set up menu.

3 Press M.C. to select.

4 Perform the following procedures to set the menu.

To proceed to the next menu option, you need to confirm your selection.

FM STEP (FM tuning step)

Normally, the FM tuning step employed by seek tuning is 50 kHz. When **AF** or **TA** is on, the tuning step automatically changes to 100 kHz. It may be preferable to set the tuning step to 50 kHz when **AF** is on.

- The tuning step remains at 50 kHz during manual tuning.

- Turn **M.C.** to select the FM tuning step.
50 (50 kHz)—**100** (100 kHz)
- Press **M.C.** to confirm the selection.

DEMO (demo display setting)

- Turn **M.C.** to set the demo display to on or off.
- Press **M.C.** to confirm the selection.

TITLE (multi-language)

This unit can display the text information of a compressed audio file even if they are embedded in a Western European or Russian language.

- If the embedded language and the selected language setting are not the same, text information may not display properly.
- Some characters may not be displayed properly.

- Turn **M.C.** to select the desired setting.
EUR (European)—**RUS** (Russian)
- Press **M.C.** to confirm the selection.
QUIT appears.

5 To finish your settings, turn M.C. to select YES.

- If you prefer to change your setting again, turn **M.C.** to switch to **NO**.

6 Press M.C. to select.

Notes

- You can set up the menu options in the initial settings. For details about the settings, refer to *Initial settings* on page 17.

Operating this unit

- You can cancel set up menu by pressing **SRC/OFF**.

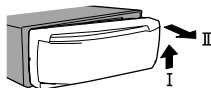
Basic operations of this unit

Important

- Handle gently when removing or attaching the front panel.
- Avoid subjecting the front panel to excessive shock.
- Keep the front panel out of direct sunlight and high temperatures.
- To avoid damaging the device or vehicle interior, remove any cables and devices attached to the front panel before detaching it.

Removing the front panel to protect your unit from theft

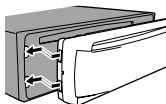
- Press the detach button to release the front panel.
- Push the front panel upward (I) and then pull it toward (II) you.



- Always keep the detached front panel in a protection device such as a protection case.

Re-attaching the front panel

- Slide the front panel to the left. Make sure to insert the tabs on the left side of the head unit into the slots on the front panel.



- Press the right side of the front panel until it is firmly seated. If you cannot attach the front panel to the head unit successfully, make sure that you are placing the front panel onto the head unit correctly. Forcing the front panel into place may result in damage to the front panel or head unit.

Turning the unit on

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

Turning the unit off

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

Operating this unit

Selecting a source

- Press **SRC/OFF** repeatedly to switch between the following sources:
TUNER (tuner)—**DVD** (built-in DVD player)—**USB** (USB storage device)—**AUX1** (front AUX)—**AUX2** (rear RCA)

Adjusting the volume

- Turn **M.C.** to adjust the volume.

CAUTION

For safety reasons, park your vehicle when removing the front panel.

Notes

- Listening to the radio while connecting a USB storage device to this unit may generate noise. In this case disconnect the USB storage device.
- When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off.

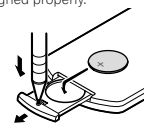
Use and care of the remote control

Using the remote control

- Point the remote control in the direction of the front panel to operate. When using for the first time, pull out the film protruding from the tray.

Replacing the battery

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



WARNING

- Keep the battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.
- Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION

- Use one **CR2025 (3 V)** lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.

Operating this unit

- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

Important

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

Menu operations identical for function settings/audio adjustments/initial settings/lists

Returning to the previous display
Returning to the previous list (the folder one level higher)

1 Press **↩**.

Returning to the main menu

1 Press and hold **↩**.

Returning to the ordinary display
Canceling the initial setting menu

1 Press **BAND**.

Tuner

Basic operations

Selecting a band

1 Press **BAND** until the desired band (**F1**, **F2**, **F3** for FM or **MW/LW**) is displayed.

Recalling preset stations

1 Press **◀** or **▶**.

- If **MAN** (manual tuning) is selected in **SEEK**, you cannot recall preset stations. You need to select **PCH** (preset channel) in **SEEK**. For details about the settings, refer to **SEEK** (left/right key setting) on the next page.

Manual tuning (step by step)

1 Press **◀** or **▶**.

- If **PCH** (preset channel) is selected in **SEEK**, you cannot tune up or down manually. You need to select **MAN** (manual tuning) in **SEEK**. For details about the settings, refer to **SEEK** (left/right key setting) on the next page.

Seeking

1 Press and hold **◀** or **▶**, and then release.

You can cancel seek tuning by briefly pressing **◀** or **▶**.

While pressing and holding **◀** or **▶**, you can skip stations. Seek tuning starts as soon as you release **◀** or **▶**.

Note

This unit's AF (alternative frequencies search) function can be turned on and off. AF should be off for normal tuning operation (refer to **AF** (alternative frequencies search) on the next page).

Operating this unit

Storing and recalling stations for each band

Using preset tuning buttons

1 When you find a station that you want to store in memory, press one of the preset tuning buttons (1/∧ to 6/↔) and hold until the preset number stops flashing.

2 Press one of the preset tuning buttons (1/∧ to 6/↔) to select the desired station.

Switching the RDS display

- Press **↩**.

Program service name—PTY information—Entertainment—Frequency

- PTY information and the frequency appear on the display for eight seconds.
- Depending on the band, text information can be changed.

Using PTY functions

You can tune in to a station using PTY (program type) information.

Searching for an RDS station by PTY information. You can search for general types of broadcasting programs, such as those listed in the following section. Refer to this page.

1 Press **PTY**.

2 Turn **M.C.** to select a program type. **NEWS/INFO—POPULAR—CLASSICS—OTHERS**

3 Press **M.C.** to begin the search.

The unit searches for a station broadcasting that type of program. When a station is found, its program service name is displayed.

PTY (program type ID code) information is listed in the following section. Refer to this page.

- To cancel the search, press **M.C.** again.
- The program of some stations may differ from that indicated by the transmitted PTY.
- If no station is broadcasting the type of program you searched for, **NOT FOUND** is displayed for about two seconds and then the tuner returns to the original station.

PTY list

NEWS/INFO

NEWS (News), **AFFAIRS** (Current affairs), **INFO** (Information), **SPORT** (Sports), **WEATHER** (Weather), **FINANCE** (Finance)

POPULAR

POP MUS (Popular music), **ROCK MUS** (Rock music), **EASY MUS** (Easy listening), **OTH MUS** (Other music), **JAZZ** (Jazz), **COUNTRY** (Country music), **NAT MUS** (National music), **OLDIES** (Oldies music), **FOLK MUS** (Folk music)

CLASSICS

L. CLASS (Light classical), **CLASSIC** (Classical)

Operating this unit

OTHERS

EDUCATE (Education), **DRAMA** (Drama), **CULTURE** (Culture), **SCIENCE** (Science), **VARIED** (Varied), **CHILDREN** (Children's), **SOCIAL** (Social affairs), **RELIGION** (Religion), **PHONE IN** (Phone in), **TOURING** (Travel), **LEISURE** (Leisure), **DOCUMENT** (Documentaries)

Using PI Seek

If the tuner cannot find a suitable station, or the reception status deteriorates, the unit automatically searches for a different station with the same programming. During the search, **PI SEEK** is displayed and the sound is muted.

Using Auto PI Seek for preset stations

When preset stations cannot be recalled, the unit can be set to perform PI Seek during preset recall.

- The default setting for Auto PI Seek is off. Refer to **AUTO-PI** (*auto pi seek*) on page 17.

Function settings

1 Press M.C. to display the main menu.

2 Turn M.C. to change the menu option and press to select FUNCTION.

3 Turn M.C. to select the function.

After selecting, perform the following procedures to set the function.

- If MW/LW band is selected, only **BSM**, **LOCAL** and **SEEK** are available.

BSM (best stations memory)

BSM (best stations memory) automatically stores the six strongest stations in the order of their signal strength.

- Press **M.C.** to turn BSM on.
To cancel, press **M.C.** again.

REGION (regional)

When AF is used, the regional function limits the selection of stations to those broadcasting regional programs.

- Press **M.C.** to turn the regional function on or off.

LOCAL (local seek tuning)

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

- Press **M.C.** to select the desired setting.

FM: **OFF—LV 1—LV 2—LV 3—LV 4**

MW/LW: **OFF—LV 1—LV 2**

The highest level setting allows reception of only the strongest stations, while lower levels allow the reception of weaker stations.

PTY SEARCH (program type selection)

Operating this unit

You can tune in to a station using PTY (program type) information.

- Press **M.C.** to display the setting mode.

2 Turn M.C. to select the desired setting.
NEWS/INFO—POPULAR—CLASSICS—OTHERS

- Press **M.C.** to begin the search.

The unit searches for a station broadcasting that type of program. When a station is found, its program service name is displayed.

For PTY (program type ID code) information, refer to the previous page.

The program of some stations may differ from that indicated by the transmitted PTY.

If no station is broadcasting the type of program you searched for, **NOT FOUND** is displayed for about two seconds and then the tuner returns to the original station.

TA (traffic announcement standby)

- Press **M.C.** to turn traffic announcement standby on or off.

AF (alternative frequencies search)

- Press **M.C.** to turn AF on or off.

NEWS (news program interruption)

- Press **M.C.** to turn the NEWS function on or off.

SEEK (left/right key setting)

You can assign a function to the left and right keys of the unit.

Select **MAN** (manual tuning) to tune up or down manually or select **PCH** (preset channel) to switch between preset channels.

- Press **M.C.** to select **MAN** or **PCH**.

Built-in DVD player

Basic operations

Playing a disc

- Insert the disc into the disc loading slot with the label side up.

Ejecting a disc

- Press **▲**.

Selecting a folder

- Press **1/▲** or **2/▼**.

You cannot select a folder that does not have a compressed audio file, JPEG file, DivX or MPEG-1/MPEG-2/MPEG-4 file recorded in it.

Selecting a chapter/track/file

- Press **◀** or **▶**.

You can also skip back or forward to another chapter/track/file by pressing **◀◀** or **▶▶**. During PBC playback, a menu may be displayed if you perform these operations.

Fast forwarding or reversing

- Press and hold **◀** or **▶**.

When DVD, DivX, MPEG-1/MPEG-2/MPEG-4 or Video CD is playing, if you press and hold **◀** or **▶** for five seconds, the icon **◀◀** or **▶▶** is highlighted. When this happens, fast reverse/fast forward continues even if you release **◀** or **▶**. To resume playback at a desired point, press **▶/II**.

Searching every 10 files

- This function is available for JPEG files.

- Press and hold **◀** or **▶**.


Switching the media file type

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

- In case of DVD-R/RW, this unit does not allow playback of audio data (CD-DA) and JPEG file.






Operating this unit




Notes

- 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 the next page.
- If you are playing a DVD or Video CD, a menu may appear. Refer to *Operating the DVD menu* on this page and *PBC playback* on this page.
- When loading a CD/CD-R/RW containing only JPEG picture files, this unit automatically starts a slideshow from the first folder/picture on the disc. The player displays the pictures in each folder in alphabetical order.
- If the bookmark function is on, DVD playback resumes from the selected point. For more details, refer to *Resume playback (Bookmark)* on page 11.
- When you are watching a DVD and attempt to perform an operation, it may not be performed due to the programming on the disc. When this happens, the unit indicates the button  on the screen.

Basic playback controls

The table below shows the basic controls for playing discs. The following chapters cover other playback features in more details.

Button	What it does
	Starts playback, pauses a disc that's playing or restarts a paused disc.
	Starts the slideshow, pauses the slideshow or restarts a paused slideshow.
	Stops playback. Stopping playback at the point set in Resume playback.
	Press one more time to stop playback completely.
	Press and hold to perform fast reverse.

Button	What it does
	Press and hold to perform fast forward.
	Skips to the start of the current track, chapter or file, then to previous tracks/chapters/files. Displays the previous picture.
	Skips to the next track, chapter or file. Displays the next picture.

Note

You may find with some DVDs or Video CDs that some playback controls do not work in certain parts of the disc. This is not a malfunction.

Operating the DVD menu

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



- This function is available for DVD video.
- You can display the menu by pressing the **MENU** or **TOP MENU** while a disc is playing. Pressing **MENU** again lets you start playback from the location selected from the menu. For details, refer to the instructions provided with the disc.
- Ways to display the menu will differ depending on the disc.

- Move the thumb pad up, down, left or right to select the desired menu option.
- Click **ENTER** to select a menu on the DVD menu.
Playback starts from the selected menu item.

Operating this unit

PBC playback

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





- This function is available for Video CD.
- When PBC menu is displayed, press **0** to **10** corresponding to a menu number to start playback.
When the menu is two or more pages long, press  or  to switch between displays.

Notes

- You can display the menu by pressing **RETURN** during PBC playback. For details, refer to the instructions provided with the disc.
- PBC playback of a Video CD cannot be canceled.
- During playback of Video CDs featuring PBC (Playback Control), the following operations are not available:
 - Search and time search functions
 - Selection of a range for repeat play

Playing DivX® VOD content

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

- If there is no limit to the number of times the DivX VOD content can be viewed, then you may load the disc into your player and play the content as often as you like, and no message will be displayed.
- If the message is displayed after loading a disc containing DivX VOD content, press /II. Playback of the DivX VOD content will start. To skip to the next file, press . To return to the previous file, press . If you do not want to play the DivX VOD content, press .

Important

- In order to play DivX VOD content on this unit, you first need to register the unit with your DivX VOD content provider. About your registration code, refer to page 17.
- DivX VOD content is protected by a DRM (Digital Rights Management) system. This restricts playback of content to specific, registered devices.

Operating this unit

Specifying title

- This function is available for DVD video.
 - 1 Press **0** to **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 track

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

- This function is available for Video CD.
 - This function cannot be operated during Video CD playback featuring PBC (playback control).
- For the numbers to press, please refer to *Specifying title* on this page.

Searching for the part you want to play

- You can use the search function to find the part you want to play.
- Chapter search and track search are not possible when disc playback has been stopped.
 - This function cannot be operated during Video CD playback featuring PBC (playback control).
- 1 Press **DIRECT**.
 - 2 Press **0** to **9** to input the desired number. To cancel the inputted numbers, press **CLEAR**.
 - 3 Press **DIRECT**.
This starts playback from the selected part.

Note

With discs featuring a menu, you can also press **MENU** or **TOP MENU** and then make selections from the displayed menu.

Frame-by-frame playback

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

- This function is available for DVD video, DivX, MPEG-1/MPEG-2/MPEG-4 and Video CD.
- 1 Press **II** during playback.
Each time you press **II**, you move ahead one frame.
To return to normal playback, press **▶/II**.
Images during frame-by-frame playback may be unclear for some discs.

Slow motion playback

This lets you slow down playback speed.

- This function is available for DVD video, DivX, MPEG-1/MPEG-2/MPEG-4 and Video CD.
- 1 Press **II** and hold during playback.
The icon **II** is displayed, forward slow motion playback begins.
 - 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
To return to normal playback, press **▶/II**.
You cannot operate this step during DivX/MPEG-1/MPEG-2/MPEG-4 playback.

Notes

- There is no sound during slow motion playback.
- Images during slow motion playback may be unclear for some discs.
- Reverse slow motion playback is not available.

Operating this unit

Return to the specified scene

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

- This function is available for DVD video.
- 1 Press **RETURN** to return to the specified scene.
This function cannot be used if a specified scene has not been preprogrammed on the DVD disc.

Automatic playback of DVDs

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

- This function is available for DVD video.
 - Some DVDs may not operate properly. If this function is not fully operated, turn this function off and start playback.
- 1 Press **AUTO PLAY** to turn automatic playback on.
To turn automatic playback off, press **AUTO PLAY** again.

Displaying text information

Selecting the desired text information

- 1 Press **↔**.

Notes

- Text information items that can be changed depend on the media.
- Depending on the version of iTunes used to write MP3 files to a disc or media file types, incompatible text stored within an audio file may be displayed incorrectly.

- When ever scroll is set to on at the initial setting, text information scrolls continuously in the display. Refer to **SCROLL** (*ever scroll*) on page 17.

Selecting and playing files/tracks from the file name/track title list

1 Press **Q** to switch to the file/track name list mode.

2 Use **M.C.** to select the desired file name (or folder name).

Changing the file or folder name
1 Turn M.C.
Playing
1 When a file or track is selected, press M.C.
Viewing a list of the files (or folders) in the selected folder
1 When a folder is selected, press M.C.
Playing a song in the selected folder
1 When a folder is selected, press and hold M.C.

Notes


- This function is available for JPEG files, CDs, compressed audio files, DivX and MPEG-1/MPEG-2/MPEG-4.
- When the separately sold display is connected to this unit, the listed information will appear on it.

Operating this unit


Advanced operations using special buttons

Changing the viewing angle during playback (Multi-angle)

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

- This function is available for DVD video.
- During playback of a scene shot from multiple angles, the angle icon  is displayed. Turn angle icon display on or off using the DVD setup menu. For details, refer to *Setting the angle icon display* on page 15.

1 Press **1/▲** during playback of a scene shot from multiple angles.

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

2 Press **1/▲** while the angle icon and angle number are displayed.

The angle changes each time you press

ANGLE.

Notes

- You can also perform this operation by pressing **ANGLE** on the remote control.
- Performing this operation during fast forward/fast reverse, pause or slow motion playback returns you to normal playback, but the viewing angle does not change.

Operating the DVD menu

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

- This function is available for DVD video.
- You can display the menu by pressing the **3/S**. **Rtrv** while a disc is playing. Pressing **3/S**. **Rtrv** again lets you start playback from the location selected from the menu. For details, refer to the instructions provided with the disc.

1 Move the thumb pad up, down, left or right to select the desired menu option.

2 Click **ENTER** to select a menu on the DVD menu.

Playback starts from the selected menu item.

Note

You can also perform this operation by pressing **MENU** or **TOP MENU** on the remote control.

Resume playback (Bookmark)

By using the Bookmark function, you can resume playback from a selected scene the next time the disc is loaded.

- This function is available for DVD video.

1 During playback, press **2/▼** at the point you want to resume playback next time.

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

To clear the bookmark on a disc, press and hold **2/▼** during playback.

Notes

- You can also perform this operation by pressing **BOOKMARK** on the remote control.

Operating this unit


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

Changing audio language during playback (Multi-audio)

With DVDs that provides audio playback in different languages and different audio systems (Dolby Digital, DTS, etc.), you can switch between languages/audio systems during playback.

- This function is available for DVD video, DivX and MPEG-4.

1 Press **5/⌂** during playback.

The audio selection icon  is displayed for eight seconds.

2 Press **5/⌂** while the audio selection icon is displayed.

The audio changes each time you press **5/⌂**.

Notes

- You can also perform this operation by pressing **AUDIO** on the remote control.
- With some DVDs, DivX and MPEG-4, switching between languages/audio systems may only be possible using a menu display.
- You can also switch between languages/audio systems using DVD setup menu. For details, refer to *Setting the audio language* on page 15.
- Only digital output of DTS audio is possible. If the unit's optical digital outputs are not connected, select an audio setting other than DTS.
- Display indications such as **Dolby D** and **Mch** indicate the audio system recorded on the DVD, DivX and MPEG-4. Depending on the setting, playback may not be with the same audio system as that indicated.


- Performing this operation 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.

- This function is available for DVD video, DivX and MPEG-4.

1 Press **6/↔** during playback.

The subtitle selection icon  is displayed for eight seconds.

2 Press **6/↔** while the subtitle selection icon is displayed.

The subtitle language changes each time you press **6/↔**.

Notes

- You can also perform this operation by pressing **SUBTITLE** on the remote control.
- With some DVDs, DivX and MPEG-4, switching between subtitle languages may only be possible using a menu display.
- You can also switch between subtitle languages using DVD setup menu. For details, refer to *Setting the subtitle language* on page 15.
- Performing this operation during fast forward/fast reverse, pause or slow motion playback returns you to normal playback.

Operating this unit

Selecting a repeat play range

- This function is available for JPEG files, CDs and compressed audio files.

- Press **6** (↔) to select the repeat range.
 - ONE** – Repeat the current track/file
 - FLD** – Repeat the current folder
 - ALL** – Play through the current disc
 - During playback of Video CDs featuring PBC (Playback Control), this function cannot be operated.

Playing tracks in random order

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

- This function is available for JPEG files, CDs and compressed audio files.

- Press **5** (⊗) to turn random play on or off.

Pausing playback

- Press **4** (PAUSE) to pause or resume.

Enhancing compressed audio and restoring rich sound (sound retriever)

- This function is available for CDs and compressed audio files.

- Press **3** (**S.Rtrv**) to cycle between:

OFF (off)—**1—2**

1 is effective for low compression rates, and **2** is effective for high compression rates.

Function settings

- Press **M.C.** to display the main menu.

- Turn **M.C.** to change the menu option and press to select **FUNCTION**.

- Turn **M.C.** to select the function.

After selecting, perform the following procedures to set the function.

REPEAT (repeat play)

- During PBC (Playback Control) playback, you cannot select **REPEAT**.

- Press **M.C.** to select a repeat play range. For details, refer to *Selecting a repeat play range* on this page.

You can select the following ranges only for this function during playback of DVD video, DivX, and MPEG-4 files.

- TTL** – Repeat the current title
- CHP** – Repeat the current chapter
- ALL** – Play through the current disc

RANDOM (random play)

- This function is available for JPEG files, CDs and compressed audio files.

- Press **M.C.** to turn random play on or off.

LR SELECT (audio output)

Operating this unit

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

When playing Video CD discs, you can switch between stereo and monaural audio output.

- This function is available for DVD video and Video CD.
- This function is not available when disc playback is stopped.
- You may not be able to select or use this function depending on the disc and the playback location.

- Press **M.C.** to display the setting mode.

- Turn **M.C.** to select the desired setting.

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

ROTATION (picture rotation)

- This function is available for JPEG files.

- Press **M.C.** to display the setting mode.

- Turn **M.C.** to select the desired setting.

- 0** – Cancel the rotation
- 90** – Rotate 90 degrees
- 180** – Rotate 180 degrees
- 90** – Rotate -90 degrees

PAUSE (pause)

- Press **M.C.** to pause or resume.

S.RTRV (sound retriever)

Automatically enhances compressed audio and restores rich sound.

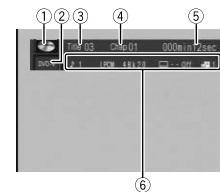
- This function is available for CDs and compressed audio files.

- Press **M.C.** to select the desired setting.

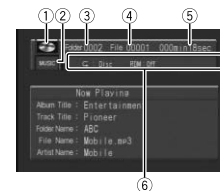
Refer to *Enhancing compressed audio and restoring rich sound (sound retriever)* on this page.

Switching the information display

When the video output is set to on in the initial setting menu (refer to **V.OUT** (display connection) on page 18) and a separately sold display is connected to this unit, the text information appears on the display.



Information display



Title display

- Disc icon
 - When playing a disc containing various data format, **MIXED** appear on it.
- Media indicator
- Title/Folder number indicator
 - DVD: shows the title currently playing.
 - Compressed audio, JPEG files and DivX: shows the folder currently playing.
- Chapter/track/file number indicator
 - DVD: shows the chapter currently playing.
 - Video CD and CD: shows the track currently playing.
 - Compressed audio, JPEG files and DivX: shows the file currently playing.

Operating this unit

- ⑤ Play time indicator
JPEG files: not available.
- ⑥ Variable message area
DVD video: shows the audio language, subtitle language, viewing angle, repeat range and speaker output channel.
Video CD: shows the repeat range and audio output channel.
JPEG files: shows the repeat range and random setting.
DivX/MPEG-1/MPEG-2/MPEG-4: shows the audio system, subtitle setting, repeat range, folder name and file name.
CD, compressed audio: shows the repeat range and random setting.

- ① Press **▶** to switch the information display.
- DVD video:** Information display 1—Information display 2—Normal playback display
- Video CDs:** Information display—Normal playback display
- JPEG files and DivX/MPEG-1/MPEG-2/MPEG-4:** Information display—Folder name display—File name display—Normal playback display
- CD TEXT discs and compressed audio files:** Information display—Title display
- Title display shows the text information of the currently playing disc.
- CD TEXT discs:** **Disc Title** (disc title), **Disc Artist** (disc artist name), **Track Title** (track title), **Track Artist** (track artist name)
- Compressed audio files:** **Folder Name** (folder name), **File Name** (file name), **Track Title** (track title), **Artist Name** (artist name), **Album Title** (album title)

Note

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

USB portable audio player/ USB memory

You can play compressed audio files, DivX and JPEG image files stored in a USB storage device.

- For details about compatibility, refer to *Compressed audio, DivX and MPEG compatibility (disc, USB)* on page 28.
- In the following instructions, USB memories and USB audio players are collectively referred to as "USB storage device".

Basic operations

Playing files on a USB storage device

- Open the USB port cover.
- Plug in the USB storage device using a USB cable.
- Press **SRC/OFF** to select **USB** as a source.

Stopping playback of files on a USB storage device

- You may disconnect the USB storage device at any time.
The unit stops playback.

Selecting a folder

- Press **1/▲** or **2/▼**.

Fast forwarding or reversing

- Press and hold **◀** or **▶**.

Searching every 10 files

- This function is available for JPEG files.
- Press and hold **◀** or **▶**.

Selecting a file

- Press **◀** or **▶**.

Switching the media file type

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

Pause or resume playback

- Press **▶/II**.

Operating this unit

Selecting a file directly in the current folder

The operation is the same as that of the built-in DVD player.
Refer to *Searching for the part you want to play* on page 10.

Displaying text information

The operation is the same as that of the compressed audio on the built-in DVD player.
Refer to *Displaying text information* on page 10.

Selecting files from the file name list

The operation is the same as that of the built-in DVD player.
Refer to *Selecting and playing files/tracks from the file name/track title list* on page 10.

Advanced operations using special buttons

Changing audio language during playback (Multi-audio)
Refer to *Changing audio language during playback (Multi-audio)* on page 11.

- You cannot perform this operation by pressing the button of the same name on the remote control.

Changing the subtitle language during playback (Multi-subtitle)
Refer to *Changing the subtitle language during playback (Multi-subtitle)* on page 11.

- You cannot perform this operation by pressing the button of the same name on the remote control.

Selecting a repeat play range
Refer to *Selecting a repeat play range* on the previous page.

However, the repeat play ranges you can select are different from that of the built-in DVD player. The repeat play ranges of the USB portable audio player/USB memory are:

- ONE** – Repeat the current file
- FLD** – Repeat the current folder
- ALL** – Repeat all files

Playing tracks in random order

Refer to *Playing tracks in random order* on the previous page.

Pausing playback

Refer to *Pausing playback* on the previous page.

Enhancing compressed audio and restoring rich sound (sound retriever)

Refer to *Enhancing compressed audio and restoring rich sound (sound retriever)* on the previous page.

Function settings

1 Press **M.C.** to display the main menu.

2 Turn **M.C.** to select the function.

After selecting, perform the following procedures to set the function.

REPEAT (repeat play)

Refer to **REPEAT** (*repeat play*) on the previous page.

However, the repeat play ranges you can select are different from that of the built-in DVD player. The repeat play ranges of the USB portable audio player/USB memory are:

- ONE** – Repeat just the current file
- FLD** – Repeat the current folder
- ALL** – Repeat all files

RANDOM (random play)

Operating this unit

- This function is available for compressed audio files and JPEG files.

Refer to **RANDOM** (*random play*) on page 12.

ROTATION (picture rotation)

- This function is available for JPEG files.

Refer to **ROTATION** (*picture rotation*) on page 12.

PAUSE (pause)

Refer to **PAUSE** (*pause*) on page 12.

S.RTRV (sound retriever)

- This function is available for compressed audio files.

Refer to **S.RTRV** (*sound retriever*) on page 12.

Switching the information display

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

Refer to *Switching the information display* on page 12.

Audio adjustments

1 Press **M.C.** to display the main menu.

2 Turn **M.C.** to change the menu option and press to select **AUDIO**.

3 Turn **M.C.** to select the audio function.

After selecting, perform the following procedures to set the audio function.

FAD/BAL (fader/balance adjustment)

- Press **M.C.** to display the setting mode.
- Press **M.C.** to cycle between fader (front/rear) and balance (left/right).
- Turn **M.C.** to adjust speaker balance.

PRESET EQ (equalizer recall)

- Press **M.C.** to display the setting mode.

- Turn **M.C.** to select the equalizer.

DYNAMIC—VOCAL—NATURAL—CUSTOM—FLAT—POWERFUL

- You can also switch the equalizer by pressing **Eq** repeatedly.

TONE CTRL (equalizer adjustment)

- Adjusted equalizer curve settings are stored in **CUSTOM**.

- Press **M.C.** to display the setting mode.

- Press **M.C.** to select **BASS** (bass)/**MID** (mid)/**TREBLE** (treble).

- Turn **M.C.** to adjust the level.

Adjustment range: **+6 to -6**

LOUD (loudness)

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

- Press **M.C.** to select the desired setting.

OFF (off)—**LOW** (low)—**HI** (high)

SUB.W (subwoofer on/off setting)

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

- Press **M.C.** to select the desired setting.

NOR (normal phase)—**REV** (reverse phase)—**OFF** (subwoofer off)

SUB.W CTRL (subwoofer adjustment)

Operating this unit

The cut-off frequency and output level can be adjusted when the subwoofer output is on.

Only frequencies lower than those in the selected range are outputted from the subwoofer.

- When you select **OFF** in **SUB.W**, you cannot select this function. For details, refer to **SUB.W** (*subwoofer on/off setting*) on this page.

- Press **M.C.** to display the setting mode.

- Press **M.C.** to cycle between the cut-off frequency and output level of the subwoofer. Cut-off frequency (Cut-off frequency display flashes.)—Output level (Output level display flashes.)

- Turn **M.C.** to select the desired setting.

Cut-off frequency: **50HZ—63HZ—80HZ—100HZ—125HZ**

Output level: **-24 to +6**

SLA (source level adjustment)

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

- Settings are based on the FM volume level, which remains unchanged.
- When selecting FM as the source, you cannot switch to **SLA**.
- The MW/LW volume level can also be adjusted with this function.

- Press **M.C.** to display the setting mode.

- Turn **M.C.** to adjust the source volume.

Adjustment range: **+4 to -4**

Setting up the DVD player

Introduction of DVD setup adjustments

You can use this menu to change audio, subtitle, parental lock and other DVD settings.

- Select **DVD** as the source and then press **■**.

- Press **MENU** when the disc is stopped.

The DVD setup menu is displayed.

- Move the thumb pad left or right to switch the DVD setup menu categories.

LANG. (language)—**PICT.** (picture)—**GEN.** (general)

- Move the thumb pad up or down to select the DVD setup function names.

For LANG: **SUBTITLE LANG.** (subtitle language settings)—**AUDIO LANG.** (audio language settings)—**MENU LANG.** (menu language settings)—**OSD LANGUAGE** (on screen display language setting)—**CHARACTER SET** (character set setting)

For PICT: **ANGLE ICON DISPLAY** (angle icon)—**TV ASPECT** (TV aspect)—**SLIDESHOW TIME** (slideshow interval time setting)

For GEN: **PARENTAL** (parental lock)—**DivX SUBTITLE** (DivX/MPEG-4 subtitle)—**DivX VOD** (DivX VOD)

Note

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

Menu operations identical for DVD setup adjustments

Returning to the previous display

- Press **RETURN**.

Operating this unit

Setting the subtitle language

You can set a desired subtitle language. When available, the subtitles will be displayed in the selected language.

- 1 Move the thumb pad up or down to select **SUBTITLE LANG.** in **LANG.**
- 2 Click the thumb pad.
A subtitle language menu is displayed.
- 3 Move the thumb pad up, down, left or right to select the desired language.
- 4 Click the thumb pad.
The subtitle language is set.

Notes

- If the selected language is not available, the language specified on the disc is displayed.
- You can also switch the subtitle language by pressing **SUBTITLE** during playback. (Refer to *Changing the subtitle language during playback (Multi-subtitle)* on page 11.)
- The setting made here will not be affected even if the subtitle language is switched during playback using **SUBTITLE**.

When you select OTHERS

A language code input display is shown when **OTHERS** is selected. Refer to *Language code chart for DVD* on page 30.

- 1 Pressing **CLEAR** cancels the input numbers.

Setting the audio language

- 1 Move the thumb pad up or down to select **AUDIO LANG.** in **LANG.**
- 2 Click the thumb pad.
An audio language menu is displayed.
- 3 Move the thumb pad up, down, left or right to select the desired audio language.
- 4 Click the thumb pad.
The audio language is set.

Notes

- If the selected language is not available, the language specified on the disc is used.
- You can also switch the audio language by pressing **AUDIO** during playback. (Refer to *Changing audio language during playback (Multi-audio)* on page 11.)
- The setting made here will not be affected even if the audio language is switched during playback using **AUDIO**.
- If you have selected **OTHERS**, refer to *When you select OTHERS* on this page.

Setting the menu language

- 1 Move the thumb pad up or down to select **MENU LANG.** in **LANG.**
- 2 Click the thumb pad.
A menu language menu is displayed.
- 3 Move the thumb pad up, down, left or right to select the desired menu language.
- 4 Click the thumb pad
The menu language is set.

Notes

- If the selected language is not available, the language specified on the disc is displayed.
- If you have selected **OTHERS**, refer to *When you select OTHERS* on this page.

Operating this unit

Setting the on screen display language

You can set the preferred language for information display, DVD setup menu and list display etc.

- 1 Move the thumb pad up or down to select **OSD LANGUAGE** in **LANG.**
- 2 Click the thumb pad.
An on screen display language menu is displayed.
- 3 Move the thumb pad up or down to select the desired on screen display language.
- 4 Click the thumb pad.
The on screen display language is set.

Setting the character set

You can set the preferred character set for DivX/ MPEG-4 subtitle file, information display and list display.

- 1 Move the thumb pad up or down to select **CHARACTER SET** in **LANG.**
- 2 Click the thumb pad.
A character set setting menu is displayed.
- 3 Move the thumb pad up or down to select the desired character set.
- 4 Click the thumb pad.
The character set is set.

Setting the angle icon display

The angle icon can be set so it appears on scenes where the angle can be switched.

- 1 Move the thumb pad up or down to select **ANGLE ICON DISPLAY** in **PICT.**
- 2 Click the thumb pad to select on or off.
A character set setting menu is displayed.

Setting the aspect ratio

There are two kinds of display: a wide screen display that has a width-to-height ratio (TV aspect ratio) of 16:9, and regular display that has a TV aspect of 4:3. Be sure to select the correct TV aspect for the display connected to **V OUT**.

- When using regular display, select either **LETTER BOX** or **PANSCAN**. Selecting **16:9** may result in an unnatural picture.
 - If you select the TV aspect ratio, the unit's display will change to the same setting.
- 1 Move the thumb pad up or down to select **TV ASPECT** in **PICT.**
 - 2 Click the thumb pad.
TV aspect menu is displayed.
 - 3 Move the thumb pad up or down to select the desired TV aspect.
 - **16:9** – Wide screen picture (16:9) is displayed as is (initial setting)
 - **LETTER BOX** – The picture is the shape of a letterbox with black bands on the top and bottom of the screen
 - **PANSCAN** – The picture is cut short on the right and left sides of the screen
 - 4 Click the thumb pad.

Notes

- When playing discs that do not specify **PANSCAN**, the disc is played back in **LETTER BOX** display even if you select the **PANSCAN** setting. Confirm whether the disc package bears the **16:9 LB** mark.
- The TV aspect ratio cannot be changed for some discs. For details, refer to the disc's instructions.

Operating this unit

Setting the slideshow interval

JPEG files can be viewed as a slideshow on this unit. In this setting, the interval between each image can be set.

- 1 Move the thumb pad up or down to select **SLIDESHOW TIME** in **PICT**.
- 2 Click the thumb pad.
A slide show interval time menu is displayed.
- 3 Move the thumb pad up or down to select the slideshow interval time.
 - **Manual** – JPEG images can be switched manually
 - **5sec** – JPEG images switch at intervals of 5 seconds
 - **10sec** – JPEG images switch at intervals of 10 seconds
 - **15sec** – JPEG images switch at intervals of 15 seconds
- 4 Click the thumb pad.
The slideshow interval time is set.

Setting parental lock

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

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

Setting the code number and level

A code number must be registered in order to play back discs with parental lock.

- 1 Move the thumb pad up or down to select **PARENTAL** in **GEN**.
- 2 Click the thumb pad.
Parental lock setting menu is displayed.
- 3 Press **0** to **9** to input a four digit code number.
- 4 Move the thumb pad left or right to move the cursor to the previous or next position.
- 5 Click the thumb pad after entering the four digit code number.
The code number is set, and the level can now be set.
- 6 Move the thumb pad left or right to select the desired level.
 - **LEVEL8** – Playback of the entire disc is possible (initial setting)
 - **LEVEL7** to **LEVEL2** – Playback of discs for children and non-adult-oriented discs is possible
 - **LEVEL1** – Playback of discs for children only is possible
- 7 Click the thumb pad.
The parental lock level is set.

Notes


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

Operating this unit

- The parental lock level is stored on the disc. Look for the level indication written on 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 stored on the disc.
- With some discs, the parental lock may be active only for certain levels of scenes. The playback of those scenes will be skipped. For details, refer to the instruction manual that came with the disc.

Changing the level

You can change the set parental lock level.

- 1 Move the thumb pad up or down to select **PARENTAL** in **GEN**.
- 2 Click the thumb pad.
Parental lock setting menu is displayed.
- 3 Press **0** to **9** to input the registered code number.
- 4 Move the thumb pad left or right to move the cursor to the previous or next position.
- 5 Click the thumb pad after entering the four digit code number.
This sets the code number, and the level can now be changed.
 - If you input an incorrect code number, the icon  is displayed. Input the correct code number.
 - If you forget your code number, refer to *If you forget your code number* on this page.
- 6 Move the thumb pad left or right to select the desired level.
- 7 Click the thumb pad.
The parental lock level is set.

If you forget your code number

Please see the following section, and press **CLEAR** 10 times in the parental lock setting menu. Refer to *Changing the level* on this page. The registered code number is canceled, letting you register a new one.

Setting the DivX/MPEG-4 subtitle file

You can select whether or not to display DivX/MPEG-4 external subtitles.

- The DivX/MPEG-4 subtitles will be displayed even when **CUSTOM** is selected if no DivX/MPEG-4 external subtitle files exist.
- 1 Move the thumb pad up or down to select **DIVX SUBTITLE** in **GEN**.
 - 2 Click the thumb pad to select whether to display DivX/MPEG-4 external subtitles or not.
 - **ORIGINAL** – Display the DivX/MPEG-4 subtitles
 - **CUSTOM** – Display the DivX/MPEG-4 external subtitles

Notes

- Up to 42 characters can be displayed on one line. If more than 42 characters are set, the line breaks and the characters are displayed on the next line.
- Up to 126 characters can be displayed on one screen. If more than 126 characters are set, the excess characters will not be displayed.

Operating this unit

Displaying the DivX® VOD registration code

In order to play DivX VOD (video on demand) contents on this unit, the unit must first be registered with a DivX VOD contents provider. For registration, generate a DivX VOD registration code and submit it to your provider.

- Keep a record of the code as you will need it when you register your unit to the DivX VOD provider.

- 1 Move the thumb pad up or down to select **DivX VOD** in **GEN**.
- 2 Click the thumb pad.
- 3 Move the thumb pad up or down to select **REGISTRATION CODE**.
- 4 Click the thumb pad.
Your registration code is displayed.

Displaying the deregistration code

If your device is already registered, deregister it by entering the deregistration code.

- 1 Move the thumb pad up or down to select **DivX VOD** in **GEN**.
- 2 Click the thumb pad.
- 3 Move the thumb pad up or down to select **DE-REGISTRATION CODE**.
- 4 Click the thumb pad.
- 5 Move the thumb pad up or down to select **OK**.
 - To cancel deregistration, select **CANCEL**.
- 6 Click the thumb pad.
The deregistration is complete.

Initial settings

- 1 Press and hold **SRC** until the unit turns off.
- 2 Press **M.C.** and hold until the initial setting menu appears in the display.

3 Turn M.C. to select one of the initial settings.

After selecting, perform the following procedures to set the initial setting.

CLOCK SET (setting the clock)

- 1 Press **M.C.** to display the setting mode.
- 2 Press **M.C.** to select the segment of the clock display you wish to set.
Hour—Minute
- 3 Turn **M.C.** to adjust the clock.

CLOCK (clock display)

You can turn the clock display on or off. The clock display disappears temporarily when you perform other operations, but the clock display appears again after 25 seconds.

- 1 Press **M.C.** to turn the clock display on or off.

FM STEP (FM tuning step)

Normally, the FM tuning step employed by seek tuning is 50 kHz. When AF or TA is on, the tuning step automatically changes to 100 kHz. It may be preferable to set the tuning step to 50 kHz when AF is on.

- The tuning step remains at 50 kHz during manual tuning.

- 1 Press **M.C.** to select the FM tuning step.
50 (50 kHz)—**100** (100 kHz)

AUTO-PI (auto PI seek)

The unit can automatically search for a different station with the same programming, even during preset recall.

- 1 Press **M.C.** to turn Auto PI seek on or off.

AUX1 (front AUX input setting)/AUX2 (rear RCA input setting)

Activate this setting when using an auxiliary device connected to this unit.

- 1 Press **M.C.** to turn **AUX1/AUX2** on or off.

MUTE/ATT (sound muting/attenuation)

Operating this unit

Sound from this system is automatically muted or attenuated when a signal from equipment with a mute function is received.

- The sound is muted or attenuated, **MUTE** or **ATT ON** are displayed and no audio adjustment is possible.
 - Sound from this system returns to normal when the muting or attenuation is canceled.
- 1 Press **M.C.** to display the setting mode.
 - 2 Turn **M.C.** to select the desired setting.
 - **MUTE** – Muting
 - **ATT-10DB** – Attenuation
 - **ATT-20DB** – Attenuation (**ATT-20DB** has a stronger effect than **ATT-10DB**)
 - **OFF** – Muting/attenuation is turned off

V.INPUT (Setting AV input)

You can connect AV components to the video input with an RCA cable.

For more details, refer to *When connecting the external video component* on page 22.

- Select **AUX** to watch video of an auxiliary device as **AUX2** source.
- 1 Press **M.C.** to select the desired setting.
 - OFF** (off)—**AUX** (auxiliary device)
 - To watch video of **AUX** source, set auxiliary 2 setting on. For details, refer to **AUX1** (*front AUX input setting*)/**AUX2** (*rear RCA input setting*) on this page.

DIMMER (dimmer setting)

To prevent the display from being too bright at night, the display is automatically dimmed when the car's headlights are turned on. You can turn the dimmer on or off.

- 1 Press **M.C.** to turn dimmer on or off.

REAR-SP (rear output setting)

The rear speaker leads output can be used for full-range speaker or subwoofer connection.

If you switch to **SW**, you can connect a rear speaker lead directly to a subwoofer without using an auxiliary amp. Initially, **REAR-SP** is set for rear full-range speaker connection (**FUL**).

- 1 Press **M.C.** to select the desired setting.

FUL—SW

- There will not be any output if you select **OFF** in **SUB.W** even if this setting is changed to **SW**. (Refer to **SUB.W** (*subwoofer on/off setting*) on page 14).
- Subwoofer output may be switched to off in the audio menu if this setting is changed.

PREOUT (preout setting)

The RCA outputs can be used for rear speaker or subwoofer connection.

- This function will not be available if **SW** is selected in **REAR-SP**.

- 1 Press **M.C.** to select the desired setting.

SW—REA

- There will not be any output if you select **OFF** in **SUB.W** even if this setting is changed to **SW**. (Refer to **SUB.W** (*subwoofer on/off setting*) on page 14).
- Subwoofer output may be switched to off in the audio menu if this setting is changed.

DEMO (demo display setting)

- 1 Press **M.C.** to turn the demo display on or off.

SCROLL (ever scroll)

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

- 1 Press **M.C.** to turn the ever scroll on or off.

TITLE (multi-language)

Operating this unit

This unit can display the text information of a compressed audio file even if they are embedded in a Western European or Russian language.

- If the embedded language and the selected language setting are not the same, text information may not display properly.
- Some characters may not be displayed properly.

[I] Press **M.C.** to select the desired setting.

EUR (European)—**RUS** (Russian)

V.OUT (display connection)

You can use this unit with or without the display. When using this unit connected to the display, you can turn the display connection setting on or off. If you turn this function on, the detailed text information of the **DVD** and **USB** appears on the display.

[I] Press **M.C.** to turn display connection on or off.

Notes

- When **V.OUT** is set to **ON**, you cannot switch to **SCROLL** and **TITLE**.
- According to the setting of **V.OUT**, the operation of this unit differs. The examples are as follows:
 - Playing a compressed audio file and displaying the file name list mode
 - When the display connection is set to on, the files of the currently playing folder are displayed.
 - When the display connection is set to off, the file of the root folder is displayed.
 - Playing a compressed audio file and pressing **[D]** in the file name list
 - When the display connection is set to on, the name of the currently playing file is selected.
 - When the display connection is set to off, you can return to the previous list (the folder one level higher).

Using AUX1 and AUX2 source

About AUX1 and AUX2

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

AUX1 source

When connecting auxiliary device using the front AUX input.

- This model accepts audio signal input only.
- You need to activate the AUX setting in the initial setting menu. Refer to **AUX1** (*front AUX input setting*)/**AUX2** (*rear RCA input setting*) on the previous page.

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

For more details, refer to *Head unit* on page 3. This auxiliary device is automatically set to **AUX1**.

2 Press SRC to select AUX1 as the source.

AUX2 source

When connecting an auxiliary device using the rear audio input

- You need to activate the AUX setting in the initial setting menu. Refer to **AUX1** (*front AUX input setting*)/**AUX2** (*rear RCA input setting*) on the previous page.

1 Use the rear RCA input to connect an auxiliary device featuring RCA output.

For more details, refer to *When connecting the external video component* on page 22. This auxiliary device is automatically set to **AUX2**.

- This type of connection can only be made if the auxiliary device has RCA outputs.

2 Press SRC to select AUX2 as the source.

Operating this unit

Switching the dimmer setting

You can adjust the brightness of illumination.

- Press and hold **[D]**.

Connections

⚠ WARNING

- To avoid the risk of accident and the potential violation of applicable laws, no viewing of front seat video should ever occur while the vehicle is being driven. Also, rear displays should not be in a location where they are visibly distracting 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.

⚠ CAUTION

- PIONEER does not recommend that you install or service your display unit yourself. Installing or servicing the product may expose you to risk of electric shock or other hazards. Refer all installation and servicing of your display unit to authorized Pioneer service personnel.
- Secure all wiring with cable clamps or electrical tape. Do not allow any bare wiring to remain exposed.
- Do not drill a hole into the engine compartment to connect the yellow cable of the display unit to the vehicle battery. Engine vibration may eventually cause the insulation to fail at the point where the wire passes from the passenger compartment into the engine compartment. Take extra care in securing the wire at this point.
- It is extremely dangerous to allow the display lead to become wound around the steering column or shift lever. Be sure to install the display in such a way that it will not obstruct driving.
- Make sure that wires will not interfere with moving parts of the vehicle, such as the shift lever, parking brake or seat sliding mechanism.
- Do not shorten any cables. If you do, the protection circuit may fail to work properly.

🔧 Important

- When installing this unit in a vehicle without an ACC (accessory) position on the ignition switch, failure to connect the red cable to the terminal that detects operation of the ignition key may result in battery drain.



ACC position



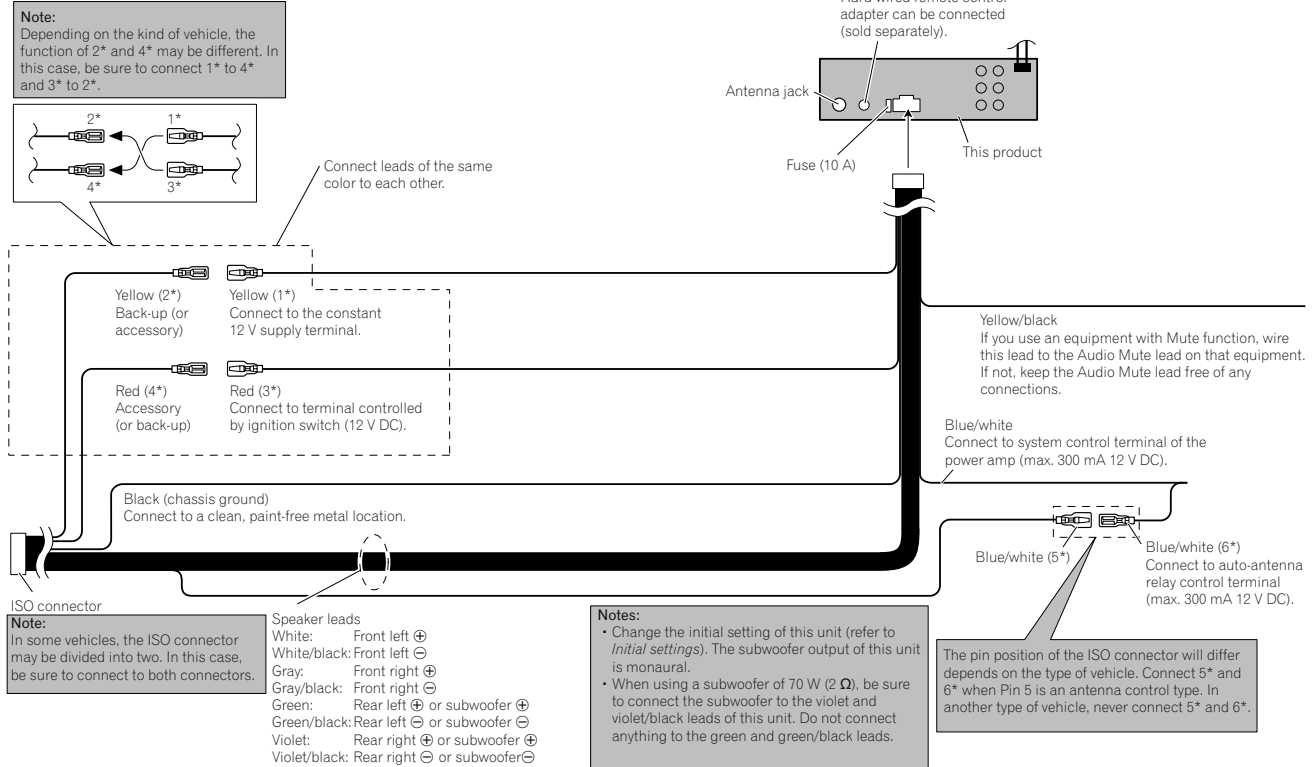
No ACC position

- Use of this unit in conditions other than the following could result in fire or malfunction.
 - Vehicles with a 12-volt battery and negative grounding.
 - Speakers with 50 W (output value) and 4 Ω to 8 Ω (impedance value).
- To prevent a short-circuit, overheating or malfunction, be sure to follow the directions below.
 - Disconnect the negative terminal of the battery before installation.
 - Secure the wiring with cable clamps or adhesive tape. Wrap adhesive tape around wiring that comes into contact with metal parts to protect the wiring.
 - Place all cables away from moving parts, such as the shift lever and seat rails.
 - Place all cables away from hot places, such as near the heater outlet.
 - Do not connect the yellow cable to the battery by passing it through the hole to the engine compartment.
 - Cover any disconnected cable connectors with insulating tape.
 - Do not shorten any cables.
 - Never cut the insulation of the power cable of this unit in order to share the power with other devices. The current capacity of the cable is limited.
 - Use a fuse of the rating prescribed.
 - Never wire the negative speaker cable directly to ground.

Connections

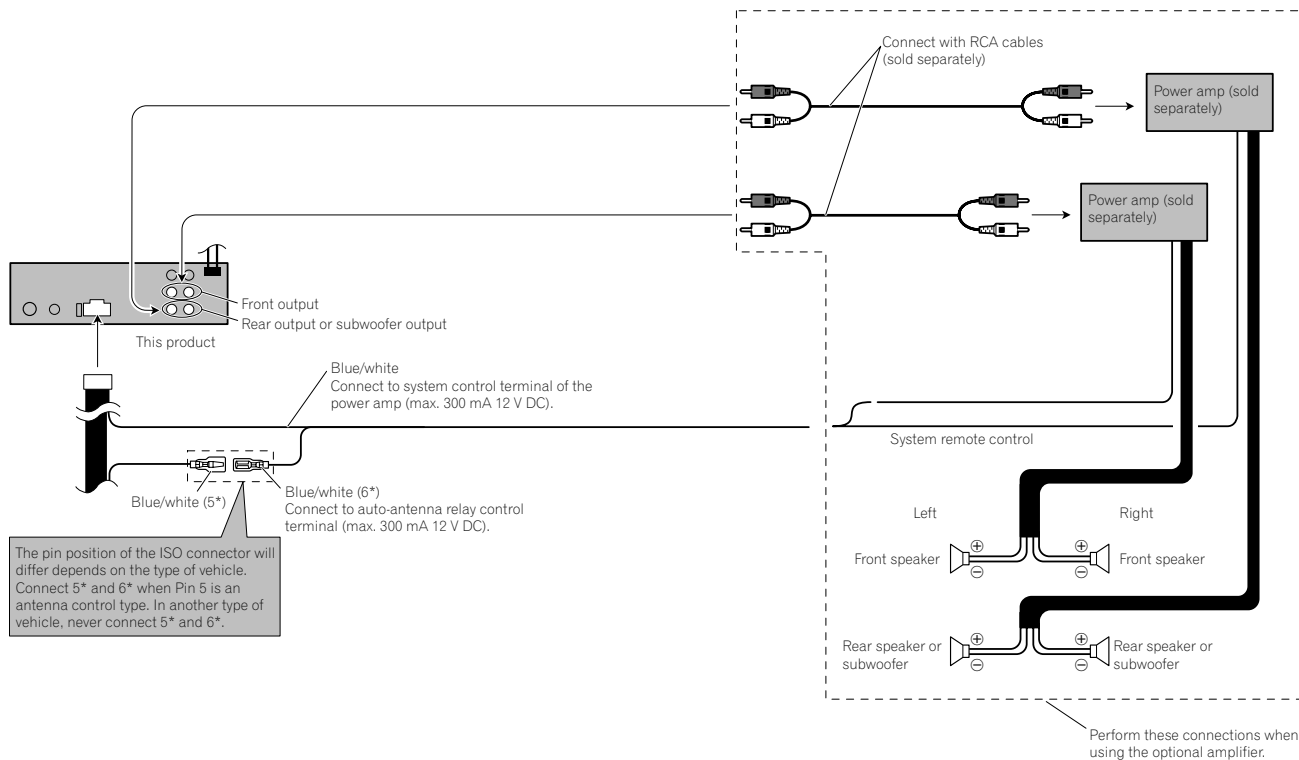
- Never band together negative cables of multiple speakers.
- When this unit is on, control signals are sent through the blue/white cable. Connect this cable to the system remote control of an external power amp or the vehicle's auto-antenna relay control terminal (max. 300 mA 12 V DC). If the vehicle is equipped with a glass antenna, connect it to the antenna booster power supply terminal.
- Never connect the blue/white cable to the power terminal of an external power amp. Also, never connect it to the power terminal of the auto antenna. Doing so may result in battery drain or a malfunction.
- The black cable is ground. Ground cables for this unit and other equipment (especially, high-current products such as power amps) must be wired separately. If they are not, an accidental detachment may result in a fire or malfunction.

Power cable connection



Connections

When connecting to separately sold power amp



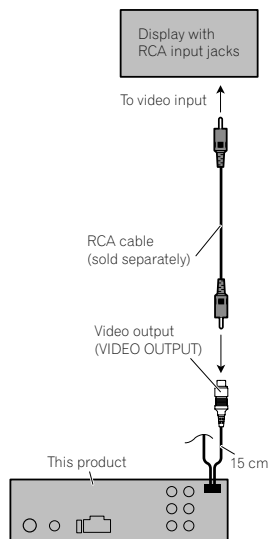
Connections

Connections

When using a display connected to video outputs

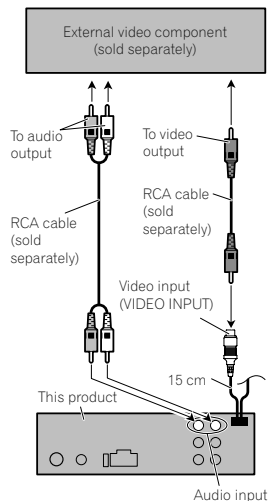
⚠ WARNING

Never install the display in a location where it is visible to the driver while driving.



When connecting the external video component

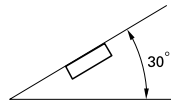
It is necessary to set **V.INPUT** to **AUX** in initial settings when connecting the external video component.



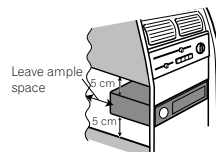
Installation

🔧 Important

- Check all connections and systems before final installation.
- Do not use unauthorized parts as this may cause malfunctions.
- Consult your dealer if installation requires drilling of holes or other modifications to the vehicle.
- Do not install this unit where:
 - it may interfere with operation of the vehicle.
 - it may cause injury to a passenger as a result of a sudden stop.
- The semiconductor laser will be damaged if it overheats. Install this unit away from hot places such as near the heater outlet.
- Optimum performance is obtained when the unit is installed at an angle of less than 30°.



- When installing, to ensure proper heat dispersal when using this unit, make sure you leave ample space behind the rear panel and wrap any loose cables so they are not blocking the vents.



DIN front/rear mount

This unit can be properly installed using either front-mount or rear-mount installation.

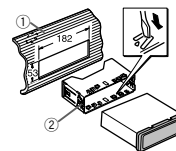
Use commercially available parts when installing.

DIN Front-mount

1 Insert the mounting sleeve into the dashboard.

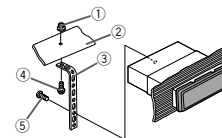
For installation in shallow spaces, use the supplied mounting sleeve. If there is enough space, use the mounting sleeve that came with the vehicle.

2 Secure the mounting sleeve by using a screwdriver to bend the metal tabs (90°) into place.



- ① Dashboard
- ② Mounting sleeve

3 Install the unit as illustrated.

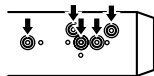


- ① Nut
- ② Firewall or metal support
- ③ Metal strap
- ④ Screw
- ⑤ Screw (M4 × 8)

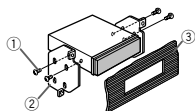
- Make sure that the unit is installed securely in place. An unstable installation may cause skipping or other malfunctions.

DIN Rear-mount

1 Determine the appropriate position where the holes on the bracket and the side of the unit match.



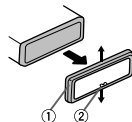
2 Tighten two screws on each side.



- Tapping screw (5 mm × 8 mm)
- Mounting bracket
- Dashboard or console

Removing the unit

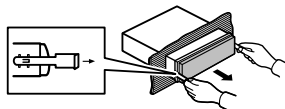
1 Remove the trim ring.



- Trim ring
 - Notched tab
- Releasing the front panel allows easier access to the trim ring.
 - When reattaching the trim ring, point the side with the notched tab down.

2 Insert the supplied extraction keys into both sides of the unit until they click into place.

3 Pull the unit out of the dashboard.




Removing and re-attaching the front panel

You can remove the front panel to protect your unit from theft.
Press the detach button and push the front panel upward and pull it toward you.
For details, refer to *Removing the front panel to protect your unit from theft* and *Re-attaching the front panel* on page 6.

Troubleshooting

Common

Symptom	Cause	Action (Reference page)
The power will not turn on. The unit will not operate.	Leads and connectors are incorrectly connected. The fuse is blown.	Confirm once more that all connections are correct. Rectify the cause and then replace the fuse. Be sure to install a fuse with the same rating.
	Noise and/or other factors are causing the built-in microprocessor to operate incorrectly.	Turn the unit off and then on. (Page 6)
Operation with the remote control is not possible. The unit does not operate correctly even when the appropriate remote control buttons are pressed.	Battery power is low. Some operations are prohibited with certain discs.	Load a new battery. Try operating with another disc.
Playback is not possible.	The disc is dirty. The type of disc loaded cannot be played on this unit. The disc loaded is not compatible with this video system.	Clean the disc. Check the disc type. Change the disc to one that is compatible with your video system.
There is no sound. The volume level will not rise.	Cables are not connected correctly. The unit is performing still, slow motion or frame-by-frame playback.	Connect the cables correctly. 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. The operation is not compatible with the configuration of the disc.	This operation is not possible. This operation is not possible.
The image displayed stops (pauses) and the unit cannot be operated.	The data could no longer be read during playback.	Stop playback once, and start playback again.
There is no sound. The volume level is low.	The volume level is low. The attenuator is on.	Adjust the volume level. Turn the attenuator off.

Additional information

Symptom	Cause	Action (Reference page)
The sound and video skip.	The unit is not firmly secured. File size and transmission rate are above recommended rates.	Firmly secure the unit. Create a DivX file that is within the recommended size and transmission rate.
The aspect ratio is incorrect and the image is stretched.	The aspect ratio setting is incorrect for the display.	Select the appropriate setting for your display. (Page 15)
The motor sounds when the ignition switch is turned ON (or is turned to ACC).	The unit is confirming whether or not a disc is loaded.	This is a normal operation.
No xxxx appears when a display is changed (No Title , for example).	There is no embedded text information.	Switch the display or play another track/file.
Subfolders cannot be played back.	Folder repeat play has been selected.	Select the repeat range again.
The repeat range changes automatically.	Another folder was selected during repeat play. Track search or fast forward/reverse was performed during file repeat play.	Select the repeat range again. Select the repeat range again.

DVD

Symptom	Cause	Action (Reference page)
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.
A parental lock message is displayed and playback is not possible.	Parental lock is activated.	Turn parental lock off or change the level. (Page 16)
Parental lock cannot be canceled.	The code number is incorrect. You have forgotten your code number.	Enter the correct code number. (Page 16) Press CLEAR 10 times to cancel the code number.
Dialog language (and subtitle language) cannot be switched.	The DVD being played does not feature multiple language recordings. You can only switch between items indicated in the disc menu.	The language cannot be switched if they are not recorded on the disc. Switch the language using the disc menu.

Additional information

Symptom	Cause	Action (Reference page)
No subtitles are displayed.	The DVD being played does not feature subtitles. You can only switch between items indicated in the disc menu.	Subtitles are not displayed if they are not recorded on the disc. Switch the language using the disc menu.
Playback is not performed with the audio language and subtitle language settings selected in SETUP .	The DVD being played does not feature dialog or subtitles in the selected language.	The language cannot be switched if the selected language is not recorded on the disc.
The viewing angle cannot be switched.	The DVD being played does not feature scenes shot from multiple angles. You are trying to switch to multiple viewing for a scene that was not recorded from multiple angles.	The viewing angle cannot be switched if the DVD does not feature scenes recorded from multiple angles. Switch between multiple angles when watching scenes recorded from multiple angles.
The image is extremely unclear/distorted and dark during playback.	Some discs feature a signal to prohibit copying.	Since this unit is compatible with the analog copy generation management system, when playing a disc that has a signal prohibiting copying, horizontal stripes or other imperfections may appear when viewed on some displays. This is not a malfunction.

Video CD

Symptom	Cause	Action
The PBC (playback control) menu cannot be called up.	The Video CD being played does not feature PBC.	This operation is not available for Video CDs that do not feature PBC.
Repeat play and track/time search are not possible.	The Video CD being played features PBC.	This operation is not available for Video CDs that feature PBC.

Error messages

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

Additional information

DVD

Message	Cause	Action
REGION ERR (DIFFERENT REGION DISC)	The disc does not have the same region number as this unit.	Replace the DVD with one bearing the correct region number.
ERROR-02-XX	The disc is dirty.	Clean the disc.
	The disc is scratched.	Replace the disc.
	The disc is loaded upside down.	Check that the disc is loaded correctly.
	There is an electrical or mechanical error.	Turn your vehicle's ACC switch off and on.
NON-PLAY (UNPLAYABLE DISC)	This type of disc cannot be played on this unit.	Replace the disc with one that can be played on this unit.
	The inserted disc does not contain any playable files.	Replace the disc.
PROTECT (PROTECTED DISC)	All the files on the inserted disc are embedded with DRM.	Replace the disc.
SKIPPED (FILE SKIPPED)	The inserted disc contains DRM protected files.	Play an audio file not embedded with Windows Media DRM 9/10.
HEAT (THERMAL PROTECTION IN MOTION)	The temperature of the unit is outside the normal operating range.	Wait until the unit returns to a temperature within the normal operating limits.
EXPIRED (THIS DivX RENTAL HAS EXPIRED.)	The inserted disc contains expired DivX VOD content.	Select the playable file.
NON-PLAY (VIDEO RESOLUTION NOT SUPPORTED)	The inserted disc contains a high definition DivX/MPEG-1/MPEG-2/MPEG-4 file.	Select a file that can be played.
WRITE FAIL (CAN NOT SAVE DATA)	This unit's flash memory used as the temporary storage area is full.	Select the playable file.
ERROR (YOUR DEVICE IS NOT AUTHORIZED TO PLAY THIS DivX PROTECTED VIDEO)	This unit's DivX registration code has not been authorized by the DivX VOD contents provider.	Register this unit to the DivX VOD contents provider.
NON-PLAY (UNPLAYABLE FILE)	This type of file cannot be played on this unit.	Select a file that can be played.
FRMT READ (FORMAT READ)	Sometimes there is a delay between the start of playback and when you start to hear any sound.	Wait until the message disappears and you hear sound.

Additional information

Message	Cause	Action
NON-PLAY (VIDEO FRAME RATE NOT SUPPORTED)	DivX file's frame rate is more than 30fps.	Select a file that can be played.
NO AUDIO (AUDIO FORMAT NOT SUPPORTED)	This type of file is not supported on this unit.	Select a file that can be played.

USB audio player/USB memory

Message	Cause	Action
NON-PLAY (UNPLAYABLE FILE)	This type of file cannot be played on this unit.	Select the playable file.
	There are no songs.	Transfer the audio files to the USB portable audio player/USB memory and connect.
FRMT READ (FORMAT READ)	Security for the connected USB memory is enabled.	Follow the USB memory instructions to disable security.
	Sometimes there is a delay between the start of playback and when you start to hear any sound.	Wait until the message disappears and you hear sound.
SKIPPED (FILE SKIPPED)	The connected USB portable audio player/USB memory contains WMA files that are protected by Windows Media™ DRM 9/10.	Play an audio file not embedded with Windows Media DRM 9/10.
PROTECT (NO ACCESSIBLE DATA AVAILABLE)	All the files on the connected USB portable audio player/USB memory are protected by Windows Media DRM 9/10.	Transfer audio files not protected by Windows Media DRM 9/10 to the USB portable audio player/USB memory and connect.
N/A USB (INCOMPATIBLE DEVICE)	The USB device connected to is not supported by this unit.	Connect a USB portable audio player or USB memory that is USB Mass Storage Class compliant.
	The USB device is not formatted with FAT16 or FAT32.	The connected USB device should be formatted with FAT16 or FAT32.

Additional information

Message	Cause	Action
CHECK USB	The USB connector or USB cable has short-circuited.	Check that the USB connector or USB cable is not caught in something or damaged.
	The connected USB portable audio player/USB memory consumes more than maximum allowable current.	Disconnect the USB portable audio player/USB memory and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect a compliant USB portable audio player/USB memory.
ERROR-02-DX	Communication failed.	Perform one of the following operations. –Turn the ignition switch OFF and back ON. –Disconnect the USB portable audio player/USB memory. –Change to a different source. Then, return to the USB portable audio player/USB memory.
EXPIRED (THIS DivX RENTAL HAS EXPIRED.)	The inserted external storage device contains expired DivX VOD content.	Select a file that can be played.
NON-PLAY (VIDEO RESOLUTION NOT SUPPORTED)	The inserted external storage device contains a high definition DivX/MPEG-1/MPEG-2/MPEG-4 file.	Select the playable file.
WRITE FAIL (CAN NOT SAVE DATA)	This unit's flash memory used as the temporary storage area is full.	Select a file that can be played.
ERROR (YOUR DEVICE IS NOT AUTHORIZED TO PLAY THIS DivX PROTECTED VIDEO)	This unit's DivX registration code has not been authorized by the DivX VOD contents provider.	Register this unit to the DivX VOD contents provider.
NON-PLAY (VIDEO FRAMERATE NOT SUPPORTED)	DivX file's frame rate is more than 30 fps.	Select a file that can be played.
NO AUDIO (AUDIO FORMAT NOT SUPPORTED)	This type of file is not supported on this unit.	Select a file that can be played.

Additional information

Handling guidelines

Discs and player

Use only discs featuring any of following logos.



Use 12-cm discs. Do not use 8-cm discs or an adapter for 8-cm discs.

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



Do not insert anything other than a DVD-R/RW or CD-R/RW into the disc loading slot.

Do not use cracked, chipped, warped, or otherwise damaged discs as they may damage the player.

Unfinalized CD-R/RW discs cannot be played back.

Do not touch the recorded surface of the discs.

Store discs in their cases when not in use.

Do not attach labels, write on or apply chemicals to the surface of the discs.

To clean a disc, wipe the disc with a soft cloth outward from the center.

Condensation may temporarily impair the player's performance. Let it rest for about one hour to adjust to a warmer temperature. Also, wipe any damp discs off with a soft cloth.

Playback of discs may not be possible because of disc characteristics, disc format, recorded application, playback environment, storage conditions, and so on.

Road shocks may interrupt disc playback.

Read the precautions for discs before using them.

Certain functions may not be available for some DVD video discs.

It may not be possible to play back some DVD video discs.

It is not possible to play back DVD-RAM discs.

This unit is not compatible with discs recorded in AVCHD (Advanced Video Codec High Definition) format. Do not insert AVCHD discs as you may not be able to eject the disc.

When using discs that can be printed on label surfaces, check the instructions and the warnings of the discs. Depending on the discs, inserting and ejecting may not be possible. Using such discs may result in damage to this equipment.

Do not attach commercially available labels or other materials to the discs.

- The discs may warp making the disc unplayable.
- The labels may come off during playback and prevent ejection of the discs, which may result in damage to the equipment.

Additional information

USB storage device

Depending on the external storage device (USB), the following problems may occur.

- Operations may vary.
- The storage device may not be recognized.
- Files may not be played back properly.

USB storage device

Connections via USB hub are not supported.

Do not connect anything other than a USB storage device.

Firmly secure the USB storage device when driving. Do not let the USB storage device fall onto the floor, where it may become jammed under the brake or accelerator pedal.

Depending on the USB storage device, the device may cause noise to occur in the radio.

Copyright protected files that are stored in the USB devices cannot be played back.

You cannot connect a USB portable audio player/USB memory to this unit via USB hub.

Partitioned USB memory is not compatible with this unit.

Depending on the kind of USB portable audio player/USB memory you use, the device may not be recognized or audio files may not be played back properly.

Do not leave the USB portable audio player/USB memory in direct sunlight for extended amounts of time. Doing so may cause the device to malfunction from the extreme rise in temperature.

DVD-R/RW discs

Unfinalized DVD-R/RW discs which have been recorded in the Video format (video mode) cannot be played back.

Playback of DVD-R/RW discs may not be possible, due to disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of this unit.

Depending on the application settings and the environment, playback of discs recorded on a personal computer may not be possible. (For details, contact the manufacturer of the application.)

CD-R/RW discs

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

Playback of CD-R/RW discs recorded on a music CD recorder or a personal computer may not be possible due to disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc., on the lens of this unit.

Depending on the application settings and the environment, playback of discs recorded on a personal computer may not be possible. (For details, contact the manufacturer of the application.)

Playback of CD-R/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/RW disc may not be displayed by this unit (in the case of audio data (CD-DA)).

Additional information

DualDiscs

DualDiscs 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 DualDiscs 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 DualDisc may result in scratches on the disc. Serious scratches can lead to playback problems on this unit. In some cases, a DualDisc may become stuck in the disc loading slot and will not eject. To prevent this, we recommend you refrain from using DualDisc with this unit.

Please refer to the information from the disc manufacturer for more detailed information about DualDiscs.

JPEG picture files

JPEG is short for Joint Photographic Experts Group and refers to a still image compression technology standard.

Files are compatible with Baseline JPEG and EXIF 2.1 still images up to a resolution of 8 192 × 7 680. (EXIF format is used most commonly with digital still cameras.)

Playback of EXIF format files that were processed by a personal computer may not be possible.

There is no progressive JPEG compatibility.

DivX video files

Depending on the composition of the file information, such as the number of audio streams or file size, there may be a slight delay when playing back discs.

Some special operations may be prohibited due to the composition of the DivX files.

Only DivX files downloaded from a DivX partner site are guarantee for proper operation. Unauthorized DivX files may not operate properly.

DRM rental files cannot be operated until playback is started.

This unit corresponds to a DivX file display of up to 1 590 minutes 43 seconds. Search operation beyond this time limit is prohibited.

Recommended file size: 2 GB or less with a transmission rate of 2 Mbps or less.

The ID code of this unit must be registered to a DivX VOD provider in order to playback DivX VOD files. For information on ID codes, refer to *Displaying the DivX® VOD registration code* on page 17.

For more details about DivX, visit the following site:
<http://www.divx.com/>

MPEG-1/MPEG-2/MPEG-4 video files

Elapsed playback time may not be displayed correctly.

Important

- When naming a JPEG image file, add the corresponding file name extension (.jpg, .jpeg, .jpe or .jif).

Additional information

- This unit plays back files with these file name extensions (.jpg, .jpeg, .jpe or .jif) as a JPEG image file. To prevent malfunctions, do not use these extensions for files other than JPEG image files.

Compressed audio, DivX and MPEG compatibility (disc, USB)

WMA

File extension: .wma

Bit rate: 5 kbps to 320 kbps (CBR), VBR

Sampling frequency: 8 kHz to 48 kHz

Windows Media Audio Professional, Lossless, Voice/DRM Stream/Stream with video: Not compatible

MP3

File extension: .mp3

Bit rate: 8 kbps to 320 kbps (CBR), VBR

Sampling frequency: 8 kHz to 48 kHz (32 kHz, 44.1 kHz, 48 kHz for emphasis)

Compatible ID3 tag version: 1.0, 1.1, 2.2, 2.3 (ID3 tag Version 2.x is given priority than Version 1.x.)

M3u playlist: Not compatible

MP3i (MP3 interactive), mp3 PRO: Not compatible

AAC

Compatible format: AAC encoded by iTunes

File extension: .m4a

Sampling frequency: 8 kHz to 48 kHz

Bit rate: 8 kbps to 320 kbps

Apple Lossless: Not compatible

AAC file bought from the iTunes Store (.m4p file extension): Not compatible

DivX compatibility

Compatible format: DivX video format implemented in relation to DivX standards

File extensions: .avi or .divx

DivX Ultra format: Not compatible

DivX HD format: Not compatible

DivX files without video data: Not compatible

Compatible audio codec: MP2, MP3, Dolby Digital

LPCM: Not compatible

Bit rate: 8 kbps to 320 kbps (CBR), VBR

Sampling frequency: 8 kHz to 48 kHz

Compatible external subtitle file extension: .srt

DivX plus HD format: Not compatible

MPEG-1/MPEG-2/MPEG-4 video

File extensions: .mpg or .mpeg (MPEG-1/MPEG-2), .avi (MPEG-4)

Compatible audio codec: MP2 (MPEG-1/MPEG-2), MP2, MP3, Dolby Digital (MPEG-4)

H.264 (MPEG-4AVC): Not compatible

LPCM: Not compatible

Bit rate: 8 kbps to 320 kbps (CBR), VBR

Sampling frequency: 8 kHz to 48 kHz

Additional information

Supplemental information

Only the first 32 characters can be displayed as a file name (including the file extension) or a folder name.

This unit may not operate correctly depending on the application used to encode WMA files.

There may be a slight delay at the start of playback of audio files embedded with image data or audio files stored on a USB storage device that has numerous folder hierarchies.

Russian text to be displayed on this unit should be encoded in one of the following character sets:

- Unicode (UTF-8, UTF-16)
- A character set other than Unicode that is used in a Windows environment and is set to Russian in the multi-language setting

Disc

Playable folders: up to 700

Playable files: up to 999 for CD-R/RW
Playable files: up to 3500 for DVD-R/RW

File system: ISO 9660 Level 1 and 2, Romeo, Joliet, UDF 1.02, 1.50, 2.00, 2.01, 2.50 (CD-R/DVD-R)

Multi-session playback: Compatible

Packet write data transfer: Not compatible

Regardless of the length of blank sections between the songs from the original recording, compressed audio discs play with a short pause between songs.

USB storage device

Playable folders: up to 6 000 (up to 700 for DivX/MPEG-1/MPEG-2/MPEG-4)

Playable files: up to 65 535, up to 1 000 for one folder

Playback of copyright-protected files: Not compatible

Partitioned external storage device (USB): Only the first playable partition can be played.

There is no compatibility for Multi Media Cards (MMC).

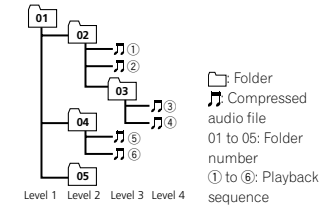
⚠ CAUTION

- Pioneer cannot guarantee compatibility with all USB mass storage devices and assumes no responsibility for any loss of data on media players, smart phones, or other devices while using this product.
- Do not leave discs or a USB storage device in any place that is subject to high temperatures.

Sequence of audio files

The user cannot assign folder numbers and specify playback sequences with this unit.

Example of a hierarchy



Additional information

Disc

Folder selection sequence or other operation may differ depending on the encoding or writing software.

USB storage device

Playback sequence is the same as recorded sequence in the USB storage device. To specify the playback sequence, the following method is recommended.

- 1 Create a file name that includes numbers that specify the playback sequence (e.g., 001xxx.mp3 and 009yyy.mp3).
- 2 Put those files into a folder.
- 3 Save the folder containing files on the USB storage device.

However, depending on the system environment, you may not be able to specify the playback sequence.

For USB portable audio players, the sequence is different and depends on the player.

Russian character chart

D: C	D: C	D: C	D: C	D: C
А: А	Б: Б	В: В	Г: Г	Д: Д
Е: Е, Ё	Ж: Ж	З: З	И: И, Ё	К: К
Л: Л	М: М	Н: Н	О: О	П: П
Р: Р	С: С	Т: Т	У: У	Ф: Ф
Х: Х	Ц: Ц	Ч: Ч	Ш: Ш, Щ	Ъ: Ъ
Ы: Ы	Ь: Ь	Э: Э	Ю: Ю	Я: Я

D: Display **C:** Character

Copyright and trademark

This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

DVD video

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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

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Dolby Digital

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

Additional information

DivX

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ABOUT DIVX VIDEO: DivX[®] is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified[®] device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified[®] device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in *Displaying the DivX[®] VOD registration code*. Go to vod.divx.com for more information on how to complete your registration.

Additional information

Language code chart for DVD

Language (code), input code			
Japanese (ja), 1001	Dzongkha (dz), 0426	Kurdish (ku), 1121	Kinyarwanda (rw), 1823
English (en), 0514	Ewe (ee), 0505	Komi (kv), 1122	Sanskrit (sa), 1901
French (fr), 0618	Esperanto (eo), 0515	Cornish (kw), 1123	Sardinian (sc), 1903
Spanish (es), 0519	Estonian (et), 0520	Kirghiz, Kyrgyz (ky), 1125	Sindhi (sd), 1904
German (de), 0405	Basque (eu), 0521	Latin (la), 1201	Northern Sami (se), 1905
Italian (it), 0920	Persian (fa), 0601	Luxembourgish (lb), 1202	Sangho (sg), 1907
Chinese (zh), 2608	Fulah (ff), 0606	Ganda (lg), 1207	Sinhala (si), 1909
Dutch, Flemish (nl), 1412	Finnish (fi), 0609	Limbürgan (li), 1209	Slovak (sk), 1911
Portuguese (pt), 1620	Fijian (fj), 0610	Lingala (ln), 1214	Slovenian (sl), 1912
Swedish (sv), 1922	Faroese (fo), 0615	Lao (lo), 1215	Samoa (sm), 1913
Russian (ru), 1821	Western Frisian (fy), 0625	Lithuanian (lt), 1220	Shona (sn), 1914
Korean (ko), 1115	Irish (ga), 0701	Luba-Katanga (lu), 1221	Somali (so), 1915
Greek (el), 0512	Gaelic (gd), 0704	Latvian (lv), 1222	Albanian (sq), 1917
Afar (aa), 0101	Galician (gl), 0712	Malagasy (mg), 1307	Serbian (sr), 1918
Abkhazian (ab), 0102	Guarani (gn), 0714	Marshallese (mh), 1308	Swati (ss), 1919
Avestan (ae), 0105	Gujarati (gu), 0721	Maori (mi), 1309	Sotho, Southern (st), 1920
Afrikaans (af), 0106	Manx (gv), 0722	Macedonian (mk), 1311	Sundanese (su), 1921
Akan (ak), 0111	Hausa (ha), 0801	Malayalam (ml), 1312	Swahili (sw), 1923
Amharic (am), 0113	Hebrew (he), 0805	Mongolian (mn), 1314	Tamil (ta), 2001
Aragonese (an), 0114	Hindi (hi), 0809	Marathi (mr), 1318	Telugu (te), 2005
Arabic (ar), 0118	Hiri Motu (ho), 0815	Malay (ms), 1319	Tajik (tg), 2007
Assamese (as), 0119	Croatian (hr), 0818	Maltese (mt), 1320	Thai (th), 2008
Avaric (av), 0122	Haitian (ht), 0820	Burmese (my), 1325	Tigrinya (ti), 2009

Additional information

Language (code), input code			
Aymara (ay), 0125	Hungarian (hu), 0821	Nauru (na), 1401	Turkmen (tk), 2011
Azerbaijani (az), 0126	Armenian (hy), 0825	Bokmal (nb), 1402	Tagalog (tl), 2012
Bashkir (ba), 0201	Herero (hz), 0826	Ndebele, North (nd), 1404	Tswana (tn), 2014
Belarusian (be), 0205	Interlingua (ia), 0901	Nepali (ne), 1405	Tonga (to), 2015
Bulgarian (bg), 0207	Indonesian (id), 0904	Ndonga (ng), 1407	Turkish (tr), 2018
Bihari (bh), 0208	Interlingue (ie), 0905	Nynorsk (nn), 1414	Tsonga (ts), 2019
Bislama (bi), 0209	Igbo (ig), 0907	Norwegian (no), 1415	Tatar (tt), 2020
Bambara (bm), 0213	Sichuan Yi (ii), 0909	Ndebele, South (nr), 1418	Twi (tw), 2023
Bengali (bn), 0214	Inupiaq (ik), 0911	Navajo, Navaho (nv), 1422	Tahitian (ty), 2025
Tibetan (bo), 0215	Ido (io), 0915	Chichewa (ny), 1425	Uighur, Uyghur (ug), 2107
Breton (br), 0218	Icelandic (is), 0919	Occitan (oc), 1503	Ukrainian (uk), 2111
Bosnian (bs), 0219	Inuktitut (iu), 0921	Ojibwa (oj), 1510	Urdu (ur), 2118
Catalan (ca), 0301	Javanese (jv), 1022	Oromo (om), 1513	Uzbek (uz), 2126
Chechen (ce), 0305	Georgian (ka), 1101	Oriya (or), 1518	Venda (ve), 2205
Chamorro (ch), 0308	Kongo (kg), 1107	Ossetian (os), 1519	Vietnamese (vi), 2209
Corsican (co), 0315	Kikuyu, Gikuyu (ki), 1109	Panjabi, Punjabi (pa), 1601	Volapük (vo), 2215
Cree (cr), 0318	Kuanyama (kj), 1110	Pali (pi), 1609	Walloon (wa), 2301
Czech (cs), 0319	Kazakh (kk), 1111	Polish (pl), 1612	Wolof (wo), 2315
Church Slavic (cu), 0321	Kalaallisut (kl), 1112	Pashto, Pushto (ps), 1619	Xhosa (xh), 2408
Chuvash (cv), 0322	Central Khmer (km), 1113	Quechua (qu), 1721	Yiddish (yi), 2509
Welsh (cy), 0325	Kannada (kn), 1114	Romansh (rm), 1813	Yoruba (yo), 2515
Danish (da), 0401	Kanuri (kr), 1118	Rundi (rn), 1814	Zhuang, Chuang (za), 2601
Divehi (dv), 0422	Kashmiri (ks), 1119	Romanian (ro), 1815	Zulu (zu), 2621

Additional information

Specifications

General

Rated power source	..... 14.4 V DC (allowable voltage range: 10.8 V to 15.1 V DC)
Grounding system	..... Negative type
Maximum current consumption	..... 10.0 A
Dimensions (W × H × D):	
DIN	
Chassis	..... 178 mm × 50 mm × 165 mm
Nose	..... 188 mm × 58 mm × 16 mm
D	
Chassis	..... 178 mm × 50 mm × 165 mm
Nose	..... 170 mm × 46 mm × 16 mm
Weight	..... 1.4 kg

Audio

Maximum power output	... 50 W × 4 50 W × 2/4Ω + 70 W × 1/2Ω (for subwoofer)
Continuous power output	..... 22 W × 4 (50 Hz to 15 000 Hz, 5% THD, 4Ω load, both chan- nels driven)
Load impedance	..... 4Ω (4Ω to 8Ω allowable)
Preout maximum output level	..... 2.0 V
Tone controls:	
Bass	
Frequency	..... 100 Hz
Gain	..... ±12 dB
Mid	
Frequency	..... 1 kHz
Gain	..... ±12 dB
Treble	
Frequency	..... 10 kHz
Gain	..... ±12 dB
Subwoofer (mono):	
Frequency	..... 50 Hz/63 Hz/80 Hz/100 Hz/ 125 Hz
Slope	..... -18 dB/oct
Gain	..... +6 dB to -24 dB
Phase	..... Normal/Reverse

DVD Player

System	..... DVD video, Video CD, CD, WMA, MP3, AAC, DivX, JPEG, MPEG system
Region number	..... 5
Usable discs	..... DVD video, Video CD, CD, CD- R/RW, DVD-R/RW/R DL
Frequency response	..... 5 Hz to 44 000 Hz (with DVD, at sampling frequency 96 kHz)
Signal-to-noise ratio	..... 94 dB (1 kHz) (IEC-A network) (RCA level)
Number of channels	..... 2 (stereo)
MP3 decoding format	..... MPEG-1 & 2 Audio Layer 3
WMA decoding format	..... Ver. 7, 7.1, 8, 9, 10, 11, 12 (2 ch audio) (Windows Media Player)
AAC decoding format	..... MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 9.0.3 and earlier)
MPEG video decoding format	..... MPEG1, MPEG2, MPEG4
DivX decoding format	..... Home Theater Ver. 3, 4, 5, 2, 6 (.avi, .divx)

USB

USB standard specification	..... USB 2.0 full speed
Maximum current supply	..... 1.0 A
USB Class	..... MSC (Mass Storage Class)
File system	..... FAT16, FAT32
MP3 decoding format	..... MPEG-1 & 2 Audio Layer 3
WMA decoding format	..... Ver. 7, 7.1, 8, 9, 10, 11, 12 (2 ch audio) (Windows Media Player)
AAC decoding format	..... MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 9.0.3 and earlier)
MPEG video decoding format	..... MPEG1, MPEG2, MPEG4
DivX decoding format	..... Home Theater Ver. 3, 4, 5, 2, 6 (.avi, .divx)

FM tuner

Frequency range	..... 87.5 MHz to 108.0 MHz
Usable sensitivity	..... 9 dBf (0.8μV/75Ω mono, S/N: 30 dB)
Signal-to-noise ratio	..... 72 dB (IEC-A network)

Additional information

MW tuner

Frequency range	..... 531 kHz to 1 602 kHz (9 kHz)
Usable sensitivity	..... 25 μV (S/N: 20 dB)
Signal-to-noise ratio	..... 62 dB (IEC-A network)

LW tuner

Frequency range	..... 153 kHz to 281 kHz
Usable sensitivity	..... 28 μV (S/N: 20 dB)
Signal-to-noise ratio	..... 62 dB (IEC-A network)

Note

Specifications and the design are subject to modifications without notice.

<http://www.pioneer.eu>

Visit www.pioneer.eu to register your product.

Посетите www.pioneer-rus.ru для регистрации приобретенного Вами изделия.

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