

**Pioneer** *sound.vision.soul*

Multi-CD control High power DVD/VCD/CD player with  
FM/AM tuner

English

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**SUPER TUNER III**

**Owner's Manual**

**DVH-P7050**

This product conforms to new cord colors

## Thank you for buying this Pioneer product.

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



### Be sure to read this

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## About this manual

This unit features a number of sophisticated functions ensuring superior reception and operation. All the functions have been designed for the easiest possible use, but many are not self-explanatory. This operation manual will help you benefit fully from this unit's potential and to maximize your listening enjoyment.

We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you begin using this unit. It is especially important that you read and observe precautions on this page and in other sections.

This manual mainly explains remote control operation. However, in addition to those functions related with DVD/Video CD/CD operation that can only be operated by the remote control, there are also functions that can be operated similarly by the head unit and functions that can only be operated by the buttons provided for the head unit. ■

## Precautions

- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so you can hear sounds outside of the car.
- Protect this product from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.
- Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station. ■

## Before You Start

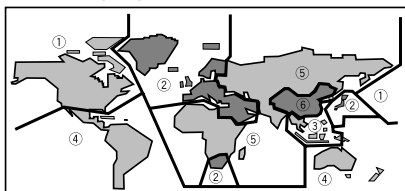
### Video system of a connected component

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

### DVD disc region numbers

DVDs that have incompatible region numbers cannot be played on this player. The region number of the player can be found on the bottom of this product.

The illustration below shows the regions and corresponding region numbers.



### Region number

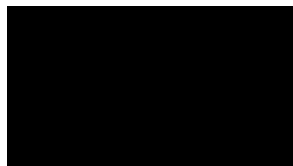
DVD players and DVD discs feature region numbers indicating the area in which they were purchased. Playback of a DVD is not possible unless it features the same region number as the DVD player. This product's region number is displayed on the bottom of the this product.

### To ensure safe driving

#### WARNING

- To avoid the risk of accident and the potential violation of applicable laws, this product is not for use with a video screen that is visible 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.

This product detects whether your car's parking brake is engaged or not, and prevents you from watching a DVD or Video CD on the display connected to Front Video Output while driving. When you attempt to watch a DVD/Video CD, the screen will turn to black.



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

## When using a display connected to DVD REAR MONITOR OUTPUT

This product's DVD REAR MONITOR OUTPUT is for connection of a display to enable passengers in the rear seats to watch the DVD or Video CD.

### WARNING

- NEVER install the display in a location that enables the Driver to watch the DVD or Video CD while Driving.

## Condition memory







This function memorizes audio language, subtitle language, angle number, audio output (L, R) and aspect ratio made during disc playback for up to 30 discs. Without any special operations, the final setting details during playback of a disc are memorized. The next time a disc is played, the previous settings are automatically applied.

### Notes

- With some discs, audio language and subtitle language are automatically specified, in which case condition memory does not function.
- When the number of discs exceeds 30, settings for the latest disc replace those for the least recent disc.

## What the marks on DVDs Indicate

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

	Indicates the number of audio systems.
	Indicates the number of subtitle languages.
	Indicates the number of viewing angles.
	Indicates the picture size (aspect ratio: screen width-to-height ratio) type.
	Indicates the number of the region where playback is possible.
	
<input type="checkbox"/>	

## Disc operation

With some DVDs, depending on the intentions of the disc's producer, certain operations may be prohibited. Also, with discs enabling menu operation and two-way operation during playback, the way titles and chapters are organized may prevent certain operations such as Repeat play.

### Notes

- If this happens with this product, the prohibited mark "⊘" is displayed.
- The prohibited mark "⊘" may not appear on some discs.



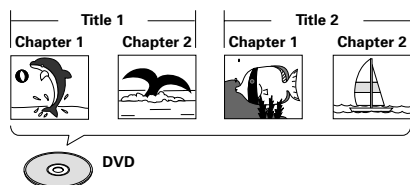
## Disc organization

### DVD

On DVD-Video discs, the contents are divided into titles which are in turn divided into chapters.

With video material, a single work (movie etc.) usually corresponds to a single title, with different scenes corresponding to separate chapters. With karaoke discs, one song corresponds to one title.

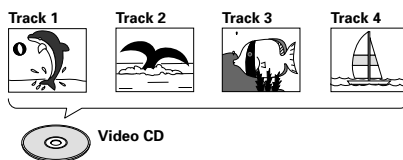
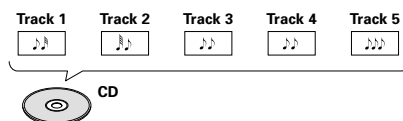
However, some discs are not organized like this, so bear this in mind when using the search function.



### Video CD and CD

On CDs and Video CDs, the contents are divided into tracks. One track usually corresponds to one song. On some discs, tracks may also feature an index.

With Video CDs featuring PBC (Playback Control), you can use a menu to perform playback operations. It may not be possible to use functions such as repeat and search.



## Main features

You can play back DVDs, Video CDs (PBC compatibility) and CDs.

### Repeat Play

You can enjoy different kinds of repeat play.

### Still image & frame-by-frame playback

You can view still images or playback of one frame at a time.

### Slow motion playback

Slow motion playback is possible.

### Multi-Aspect

Switching between Wide screen, Letter box and Panscan display is possible.

### Multi-Audio

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

### Multi-Subtitle

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

### Multi-Angle

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

### Video CDs featuring PBC Compatibility

You can play back Video CDs featuring PBC (Playback Control).

## Parental Lock

You can use this to prevent your children viewing violent or adult oriented scenes.

## Dolby\* Digital/DTS\*\* Compatibility (When combining this product with a Pioneer Multi-channel processor such as DEQ-P7050)

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



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

\*\* "DTS" is a registered trademark of Digital Theater Systems, Inc.



### Notes

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

## Before You Start

### Protecting your unit from theft

The front panel can be detached from the head unit and stored in the protective case provided to discourage theft.

- If the front panel is not detached from the head unit within five seconds of turning off the ignition, a warning tone will sound.
- You can turn off the warning tone. See *Switching the warning tone* on page 72.

#### Important

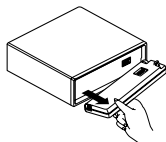
- Never use force or grip the display and the buttons tightly when removing or attaching.
- Avoid subjecting the front panel to excessive shocks.
- Keep the front panel out of direct sunlight and high temperatures.

### Removing the front panel

**1 Press OPEN on the head unit to open the front panel.**

**2 Grip the left side of the front panel and pull it gently outward.**

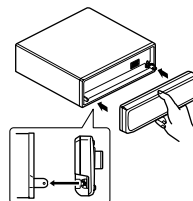
Take care not to grip it tightly or drop it.



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

### Attaching the front panel

**Replace the front panel by holding it upright to this unit and clipping it securely into the mounting hooks.**



## Switching the remote control operation mode switch

There are two remote control operation modes on the supplied remote control.

If you want to operate this product by remote control, turn the mode switch to **DVH** mode. In this case, both the head unit's buttons and remote control can control this unit.

If you want to operate the DVD playback on the rear display, turn the mode switch to **DVD** mode. In this case, the remote control can control the DVD playback of the rear display independently. (If both the front and rear displays are playing DVD as the source at the same time, operation is the same for the front and rear displays.)

If the rear display is connected to this product and the remote control operation mode is set to **DVD** mode, the rear display can playback DVD even though the source which is selected by the head unit is not DVD.



### Note

- If the remote control operation mode is set to **DVD** mode, only the DVD (built-in player) can be operated by the remote control. ■

## About the demo mode

This product features two demonstration modes. One is the reverse mode, the other is the feature demo mode.

### Reverse mode

If you do not perform an operation within about 30 seconds, screen indications start to reverse, and then continue reversing every 10 seconds. Pressing 5 numbered button when power to this product is switched off while the ignition switch is set to ACC or ON cancels the reverse mode. Pressing 5 numbered button again to start the reverse mode.

### Feature demo

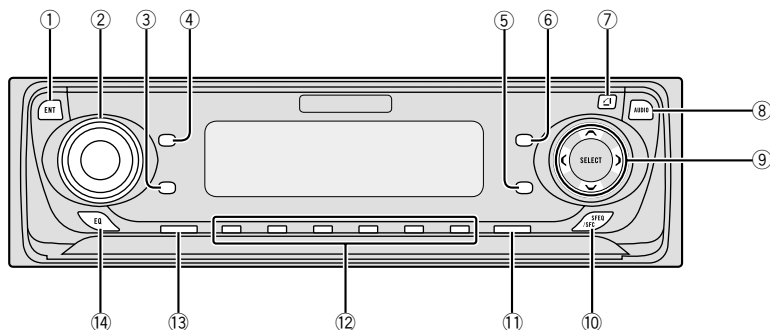
The feature demo automatically starts when power to this product is switched off while the ignition switch is set to ACC or ON. Pressing 6 numbered button during feature demo operation cancels the feature demo mode. Pressing 6 numbered button again to start the feature mode. Remember that if the feature demo continues operating when the car engine is switched off, it may drain battery power.



### Notes

- You cannot cancel a demo mode when the front panel is open.
- The red lead (ACC) of this unit should be connected to a terminal coupled with ignition switch on/off operations. If this is not done, the vehicle battery may be drained. ■

## Before You Start



### What's what

#### Head unit

##### ① ENTERTAINMENT button

Press to change to the entertainment display.

##### ② VOLUME

When you press the **VOLUME**, it extends outward so that it becomes easier to turn. To retract the **VOLUME**, press it again. Rotate to increase or decrease the volume.

##### ③ CLOCK button

Press to change to the clock display.

##### ④ DISPLAY button

Press to select different displays.

##### ⑤ PAUSE button

Press to pause play.

##### ⑥ FUNCTION button

Press to select functions.

##### ⑦ OPEN button

Press to open the front panel.

##### ⑧ AUDIO button

Press to select various sound quality controls.

##### ⑨ ▲/▼/◀/▶ buttons

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

##### ⑩ SFEQ/SFC button

Press to select a natural sound with presence.

##### ⑪ BAND/ESC button

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

##### ⑫ 1-6 (PRESET TUNING) buttons

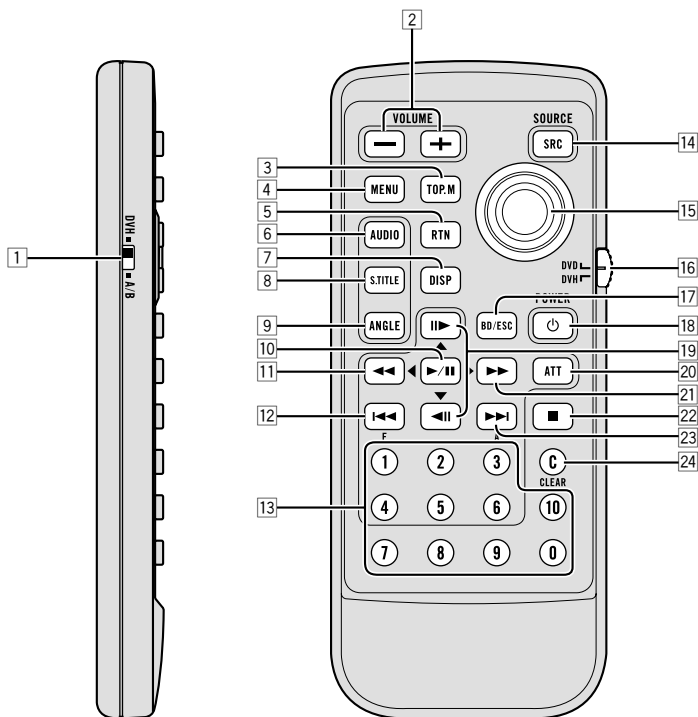
Press for preset tuning and disc number search when using a multi-CD player.

##### ⑬ SOURCE button

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

##### ⑭ EQ button

Press to select various equalizer curves.



## Remote control

### 1 Remote control selection switch

Switch to change the setting of the remote control (refer to page 70).

### 2 VOLUME (+/-) button

Press to increase or decrease the volume.

### 3 TOP MENU button

Press to return to the top menu while the built-in player is playing as the source.

### 4 MENU button

Press to display the menu while the built-in player is playing as the source.

### 5 RETURN button

Press to return to the playback display when the menu is displayed while the built-in player is playing as the source.

### 6 AUDIO button

Press to change the audio language during playback when the built-in player is playing as the source.

### 7 DISPLAY button

Press to display the information display 1 or 2 while the built-in player is playing as the source.

### 8 SUBTITLE button

Press to change the subtitle language during playback when the built-in player is playing as the source.

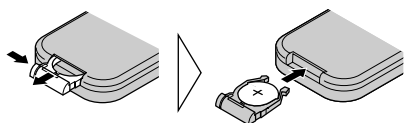
## Before You Start

- 9 ANGLE button**  
Press to change the viewing angle during playback when the built-in player is playing as the source.
- 10 PLAY/PAUSE (▶/II) button**  
Press to switch sequentially between playback and pause play.
- 11 REVERSE (◀◀) button**  
Press to perform fast reverse playback or seek tuning while the tuner is playing as the source.
- 12 PREVIOUS (◀◀)/F button**  
When the remote control is set to **DVD** mode, press to return to the previous track (chapter). If the remote control is set to **DVH** mode, the function menu appears on the head unit display.
- 13 NUMBER buttons**  
Press to directly select the desired track, chapter, preset tuning and disc. Buttons 1-6 can operate the preset tuning for the tuner or disc number search for the multi-CD player.
- 14 SOURCE button**  
Press to select the desired source.
- 15 Joystick**  
Move to select the setting. Click the joystick to set the setting or select on or off.
- 16 Remote control operation mode switch**  
Switch the operation mode between **DVD** mode (only the built-in player can be operated by the remote control) or **DVH** mode (all sources of this unit can be operated by the remote control). (Refer to page 12.)
- 17 BAND/ESC button**  
Press to select the tuner band or cancel the setting mode.
- 18 POWER button**  
Press to switch the DVD player on or off while the DVD is operated from the rear seat.
- 19 STEP (II▶/◀II) buttons**  
Press to move ahead one frame at a time during playback. Press and hold for one second to activate slow playback.
- 20 ATT button**  
Press to quickly lower the volume level by about 90%. Press once more to return to the original volume level.
- 21 FORWARD (▶▶) button**  
Press to perform fast forward of playback or seek tuning while the tuner is playing as a source.
- 22 STOP (■) button**  
Press to stop playback while the built-in player is playing as the source.
- 23 NEXT (▶▶)/A button**  
When the remote control is set to **DVD** mode, press to return to the previous track (chapter). If the remote control is set to **DVH** mode, the audio menu appears on the head unit display.
- 24 CLEAR button**  
Press to cancel the input number while the **NUMBER** buttons are used. 

## Use and care of the remote control

### Installing the battery

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



#### Note

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

#### WARNING

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


#### CAUTION

- Use only one **CR2025 (3V)** lithium battery.
- Remove the battery if the remote control is not to be used for a month or longer.
- Do not recharge, disassemble, heat or dispose of battery in fire.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic materials.
- In the event of battery leakage, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, please comply with governmental regulations or environmental public institution's rules that apply in your country/area.
- Always check carefully that you are loading the battery with its plus (+) and minus (-) poles facing in the proper directions.

### Using the remote control

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

#### 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 pedals. 



## Power ON/OFF

### Turning the unit on

#### When the remote control is set to DVH mode

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

When you select a source the unit is turned on.


- Pressing **SOURCE** on the head unit also performs the same operation.

#### When the remote control is set to DVD mode

##### Press **POWER** to turn the DVD playback on.



##### Notes

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

### Selecting a source

You can select the source you want to listen to. If **AUTO PLAY** (refer to page 74) is set to on, load a disc into the disc loading slot to switch to the built-in player.

### When the remote control is set to DVH mode

#### Press **SOURCE** to select a source.


Press **SOURCE** repeatedly to switch between the following sources:

**TV—Tuner—DVD** (Built-in player)—**Multi-CD player—External unit 1—External unit 2—AUX**

- Pressing **SOURCE** on the head unit also performs the same operation.



##### Notes

- In the following cases, the sound source will not change:
  - When a product corresponding to each source is not connected to this product.
  - When no disc is set in this product.
  - When no magazine is set in the multi-CD player.
  - When the AUX (auxiliary input) is set to off (refer to page 72).
- External unit refers to a Pioneer product (such as one available in the future) that, although incompatible as a source, enables control of basic functions by this product. Two external units can be controlled by this product. When two external units are connected, the allocation of them to external unit 1 or external unit 2 is automatically set by this product.
- When this unit's blue/white lead is connected to the car's auto-antenna relay control terminal, the car's antenna extends when this unit's source is switched on. To retract the antenna, switch the source off. 

## Turning the unit off

### When the remote control is set to DVH mode

Press **SOURCE** and hold for about one second to turn the unit off.

- Pressing and holding **SOURCE** on the head unit also performs the same operation.

### When the remote control is set to DVD mode

Press **POWER** to turn the DVD playback off. **REAR** will disappear from the OEL display.



#### Notes

- If the DVD playback is set to off, **REAR** will disappear from the OEL display.
- When you have selected **DVD** (built-in player) on the head unit, pressing **POWER** on the remote control stops the DVD playback. In this case, **Power Off** will be displayed on the OEL display.

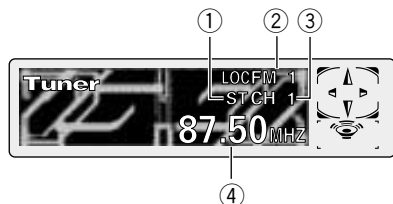


#### CAUTION

- When you have turned the DVD playback on by pressing **POWER**, you cannot turn this product off even if you press and hold **SOURCE**. (**REAR** on the OEL display will be flashing.) In this case, press **POWER** to turn **REAR** off. When **REAR** has disappeared from the OEL display, you can confirm that this product is off. ■

# Tuner

## Listening to the radio



These are the basic steps necessary to operate the radio. More advanced tuner operation is explained starting on page 20.



### Important

If you are using this unit in North, Central or South America, reset the AM tuning step (see *Setting the AM tuning step* on page 72).

- ① **STEREO (ST) indicator**  
Shows that the frequency selected is being broadcast in stereo.
- ② **BAND indicator**  
Shows which band the radio is tuned to, AM or FM.
- ③ **PRESET NUMBER indicator**  
Shows what preset has been selected.
- ④ **FREQUENCY indicator**  
Shows to which frequency the tuner is tuned.

### 1 Press **SOURCE** to select the tuner.

Press **SOURCE** until you see **Tuner** displayed.

- Pressing **SOURCE** on the head unit also performs the same operation.

### 2 Use **VOLUME** to adjust the sound level.

Press **VOLUME** to increase or decrease the volume.

- Rotating **VOLUME** on the head unit also increases or decreases the volume.

### 3 Press **BAND/ESC** to select a band.

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

- Pressing **BAND/ESC** on the head unit also performs the same operation.

### 4 To perform manual tuning, press **◀** or **▶** with quick presses.

The frequencies move up or down step by step.

- Pressing **◀** or **▶** on the head unit also performs the same operation.


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

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

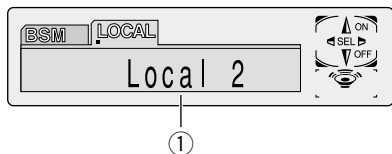
- You can cancel seek tuning by pressing either **◀◀** or **▶▶** with a quick press.
- If you press and hold **◀◀** or **▶▶** you can skip broadcasting stations. Seek tuning starts as soon as you release the buttons.
- Pressing **◀** or **▶** on the head unit also performs the same operation.



### Note

- When the frequency selected is being broadcast in stereo the **STEREO (ST)** indicator will light. 

## Introduction of advanced tuner operation



### ① FUNCTION display

Shows the function status.

### Press F to display the function names.

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

**BSM** (best stations memory)—**LOCAL** (local seek tuning)

- Pressing **FUNCTION** on the head unit also performs the same operation.
- To return to the frequency display, press

**BAND/ESC.**



### Note

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

## Storing and recalling broadcast frequencies

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

**When you find a frequency that you want to store in memory press a NUMBER button and hold until the preset number stops flashing.**

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

The next time you press the same **NUMBER (1-6)** buttons the radio station frequency is recalled from memory.

- Pressing **PRESET TUNING** on the head unit also performs the same operation.



### Notes

- Up to 18 FM stations, 6 for each of the three FM bands, and 6 AM stations can be stored in memory.
- You can also use **◀|||** and **|||▶** (**▲** and **▼** on the head unit) to recall radio station frequencies assigned to **NUMBER (1-6)** buttons (**PRESET TUNING** on the head unit).

## Tuner

### Tuning in strong signals

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

#### 1 Press **F** to select **LOCAL**.

Press **F** until **Local** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

#### 2 Press **II▶** to turn local seek tuning on.

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

- Pressing **▲** on the head unit also performs the same operation.

#### 3 Press **◀◀** or **▶▶** to set the sensitivity.

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

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


**AM:** Local 1—Local 2

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

- Pressing **◀** or **▶** on the head unit also performs the same operation.

#### 4 When you want to return to normal seek tuning, press **◀II** to turn local seek tuning off.

**Local :OFF** appears in the display.

- Pressing **▼** on the head unit also performs the same operation. 

### Storing the strongest broadcast frequencies

BSM (best stations memory) lets you automatically store the six strongest broadcast frequencies under **NUMBER (1-6)** buttons (**PRESET TUNING** on the head unit) and once stored there you can tune in to those frequencies with the touch of a button.

#### 1 Press **F** to select **BSM**.

Press **F** until **BSM** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.


#### 2 Press **II▶** to turn **BSM** on.

**BSM** begins to flash. While **BSM** is flashing the six strongest broadcast frequencies will be stored under **NUMBER (1-6)** buttons (**PRESET TUNING** on the head unit) in order of their signal strength. When finished, **BSM** stops flashing.

- To cancel the storage process, press **◀II**.
- Pressing **▲** or **▼** on the head unit also performs the same operation.



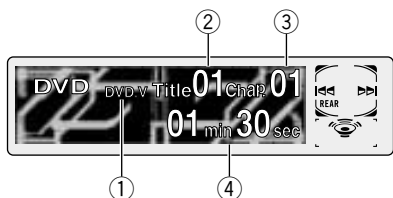
#### Note

- Storing broadcast frequencies with BSM may replace the broadcast frequencies that you have saved using **NUMBER (1-6)** buttons (**PRESET TUNING** on the head unit). 

## Playing DVDs on the built-in player

### Playing a DVD

#### OEL display



These are the basic steps necessary to play a DVD with your built-in player. More advanced DVD operation is explained starting on page 28.

- ① **DVD.V indicator**  
Shows when a DVD disc is playing.
- ② **TITLE NUMBER indicator**  
Shows the title currently playing.
- ③ **CHAPTER NUMBER indicator**  
Shows the chapter currently playing.
- ④ **PLAY TIME indicator**  
Shows the elapsed playing time of the current chapter.



#### Notes

- If the DVD playback is on, **REAR** will be displayed on the OEL display.
- If you set **AUTO PLAY :OFF**, **REAR** will be displayed on the OEL display regardless of whether the rear display is connected to this product or not.

### Information display



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

- ① **DVD.V indicator**  
Shows when a DVD disc is playing.
- ② **TITLE NUMBER indicator**  
Shows the title currently playing.
- ③ **CHAPTER NUMBER indicator**  
Shows the chapter currently playing.
- ④ **PLAY TIME indicator**  
Shows the elapsed playing time of the current chapter.

## Playing DVDs on the built-in player

### Basic operation of DVD

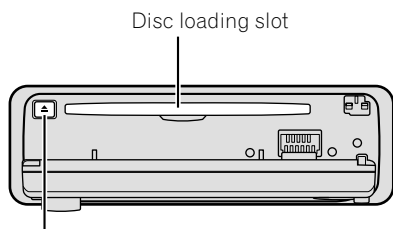
#### 1 Press **OPEN** on the head unit to open the front panel.

Disc loading slot appears.

- After inserting a DVD, press **SOURCE** to select the built-in player.
- Pressing **SOURCE** on the head unit also performs the same operation.

#### 2 Insert a DVD into the Disc loading slot.

When you set **AUTO PLAY :ON**, playback will automatically start. If you set **AUTO PLAY :OFF**, press **SOURCE** to select **DVD** (refer to page 17).



#### **EJECT** button

- You can eject a DVD by pressing **EJECT** on the head unit.
- To avoid a malfunction, make sure that no metal object comes into contact with the front panel is open.

#### 3 After a DVD has been inserted, close the front panel.

#### 4 Use the joystick to select the desired **MENU** option.

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

#### 5 Click the joystick.

Playback starts from the selected menu option.

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

#### 6 Use **VOLUME** to adjust the sound level.

Press **VOLUME** to increase or decrease the volume level.

- Rotating **VOLUME** on the head unit also increases or decreases the volume.

#### 7 To skip back or forward to another chapter, press **◀◀** or **▶▶**.

Chapter numbers are displayed for 8 seconds.

- Pressing **◀** or **▶** on the head unit also performs the same operation.
  - If the remote control is set to **DVH** mode, **◀◀** and **▶▶** do not operate. In this case, press **◀◀** or **▶▶** to skip to another chapter.
- Using **NUMBER** buttons also performs the same operation. For more details, refer to *Specifying chapter* on page 24.

## Playing DVDs on the built-in player

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

- Pressing and holding ◀ or ▶ on the head unit also performs the same operation.
  - If you continue pressing ◀◀ or ▶▶ for 5 seconds, the color of the fast reverse/fast forward mark (◀◀/▶▶) changes from white to blue. When this happens, fast reverse/fast forward continues even if you release ◀◀ or ▶▶. To resume playback at a desired point, press ▶/II.
  - Fast forward/fast reverse may not be possible at certain locations on some discs. If this happens, normal playback automatically resumes.



#### Notes

- The built-in player plays one, standard, 12-cm or 8-cm (single) DVD at a time. Do not use an adapter when playing 8-cm DVDs.
- Do not insert anything other than a DVD/Video CD/CD into the Disc loading slot.
- If you cannot insert a disc completely or if after you insert a disc the disc does not play, check that the label side of the disc is up. Press **EJECT** to eject the disc, and check the disc for damage before inserting the disc again.
- If the built-in player does not operate properly, an error message such as **ERROR-11** may be displayed. Refer to *Error messages* on page 85.

## Specifying title (DVD mode)

### Press NUMBER buttons corresponding to a desired title number when the disc is stopped.

Title number is displayed for 8 seconds and playback starts from the selected title.

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



#### Note

- You cannot select titles by using **NUMBER** buttons when the remote control is set to **DVH** mode.

## Specifying chapter (DVD mode)

### Press NUMBER buttons corresponding to a desired chapter number during playback.

Chapter number is displayed for 8 seconds and playback starts from the selected chapter.

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



#### Note

- You cannot select chapters by using **NUMBER** buttons when the remote control is set to **DVH** mode.



## Playing DVDs on the built-in player

### Stopping playback

- This function is operated by using the remote control.

Press ■.



#### Note

- When you stop DVD playback by pressing ■, that location on the disc is memorized enabling playback from that point when you play the disc again. ■

### Frame-by-frame playback

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

- This function is operated by using the remote control.

Press **II▶**.

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

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

### Still playback

This lets you pause playback and view a still picture.

Press **▶/II** during playback.

The still mark (**III**) is displayed for 4 seconds and playback is paused letting you view a still image.

- Pressing **PAUSE** on the head unit also performs the same operation.
- To return to normal playback, press **▶/II** once more. ■

### Slow motion playback

This lets you slow down playback speed.

- This function is operated by using the remote control.

Press **II▶** for 1 second during playback.

The slow playback mark (**II▶**) is displayed, forward slow motion playback begins.

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



#### Notes

- There is no sound during still, frame-by-frame or slow motion playback.
- Depending on the disc and the playback location on the disc, the prohibited mark "⊘" may be displayed indicating that still, frame-by-frame and slow motion playback are not possible.
- With some discs, images may be unclear during frame-by-frame and slow motion playback.
- Reverse frame-by-frame playback and reverse slow motion playback are not possible. ■


## Playing DVDs on the built-in player

### Changing audio language during playback (Multi-audio)

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

- This function is operated by using the remote control.

#### 1 Press **AUDIO** during playback.

The audio selection mark () is displayed for 8 seconds.


#### 2 Press **AUDIO** while the audio selection mark is displayed.

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



#### Notes

- This function only operates with DVDs featuring multi-audio recordings.
- The number in the "Ⓜ" mark on a DVD's package indicates the number of recorded languages/audio systems.
- With some DVDs, switching between languages/audio systems may only be possible using a menu display.
- You can also switch between languages/audio systems using **SET UP MENU**. For details, see *Setting the audio language* on page 64.
- Only digital output of DTS audio is possible. If this unit's optical digital outputs are not connected, DTS audio will not be output, so select an audio setting other than DTS.


- While the audio selection mark is displayed, you can also switch to a desired audio language number using **NUMBER** buttons.
- Display indications such as **Dolby D** and **5.1ch** indicate the audio system recorded on the DVD. Depending on the setting, playback may not be with the same audio system as that indicated. 

### 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 operated by using the remote control.

#### 1 Press **SUBTITLE** during playback.

The subtitle selection mark () is displayed for 8 seconds.

#### 2 Press **SUBTITLE** while the subtitle selection mark is displayed.


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



#### Notes

- This function only operates with DVDs featuring multi-subtitle recordings.
- The number in the "Ⓜ" mark on a DVD's package indicates the number of recorded subtitle languages.


## Playing DVDs on the built-in player

- With some DVDs, switching between subtitle languages may only be possible using a menu display.
- You can also switch between subtitle languages using **SET UP MENU**. For details, see *Setting the subtitle* on page 63.
- While the subtitle selection mark is displayed, you can also switch to a desired subtitle language number using the **NUMBER** buttons. At this time, you can also switch subtitle display OFF by pressing **CLEAR**. 

## 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.

### About scenes that let you change the viewing angle

During playback of a scene shot from multiple angles on this unit, the angle mark () is displayed in the bottom right of the screen. Switch angle mark display ON/OFF using the **SET UP MENU**. For details, see *Setting angle mark display* on page 67.

- This function is operated by using the remote control.

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




The angle mark () and angle number () are displayed for 8 seconds.

### 2 Press ANGLE while the angle mark and angle number are displayed.

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



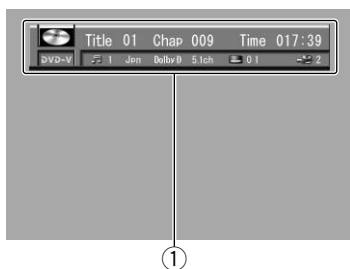
#### Notes

- This function only operates with DVDs featuring multi-angle recordings.
- The "" mark on a DVD's package indicates it features multi-angle scenes. The number in the "" mark indicates the number of angles from which scenes were shot.
- You cannot switch angles during slow motion playback.
- If you press **ANGLE** during fast forward/fast reverse or pause, fast forward/fast reverse or pause is canceled and normal playback resumes but the viewing angle does not change.
- While the angle mark and angle number are displayed, you can also switch to a desired angle number using the **NUMBER** buttons. 

## Playing DVDs on the built-in player

### Operating from the information display 1 (DVH & DVD mode)

This display lets you use the search function to specify a title or chapter to search for a desired scene, use the time search function to specify a time to search for a desired scene, select the desired audio and subtitle language, and select the angle.



#### ① Information display 1

Shows the function status.

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

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

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



#### Notes

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

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

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

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

The selected option is indicated in blue.

#### 2 Press **NUMBER** buttons to input the desired number.

#### For titles and chapters

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

#### For time (Time search)

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



#### Notes

- Pressing **CLEAR** cancels the input number.
- You can also select titles and chapters by moving the joystick up/down.
- You can not select titles and chapters by using **NUMBER** buttons when the remote control is set to **DVH** mode. In this case, use joystick to select titles and chapters.

## Playing DVDs on the built-in player

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


This starts playback from the selected scene.



#### Notes

- With discs featuring a menu, you can also press **MENU** or **TOP MENU** and then make selections from the displayed menu.
- With some discs, the prohibited mark “⊘” may be displayed, indicating that titles, chapters and time cannot be specified.
- Chapter search and time search are not possible when disc playback has been stopped.

#### Direct search

Even without using an information display you can start playback from a specified title or chapter. For details, see page 24. 

## Selecting audio, subtitle and angle

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

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

The selected option is indicated in blue.

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

This switches you to the selected setting.

#### For Audio

Selection options switch as follows:

**Audio 1—Audio 2—Audio 3**

#### For Subtitles

Selection options switch as follows:

**Subtitles 1—Subtitles 2—Subtitles OFF**


#### For Angle

Selection options switch as follows:

**Angle 1—Angle 2—Angle 3**



#### Notes

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

## Playing DVDs on the built-in player

### Operating from the information display 2 (DVH & DVD mode)

In addition to the search and time search functions of the information display 1, this display lets you select the range for repeat play, and switch audio output.



#### ① Information display 2


Shows the function status.

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

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

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

#### Note

- Pressing **DISPLAY** during fast forward/reverse returns you to normal playback. 

### Selecting repeat range

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

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

The repeat range option is indicated in blue.


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

This switches you to the selected setting.

**Disc** (disc)—**Title** (title)—**Chapter** (chapter)

- When you select **Disc** (disc), playback of the entire disc is repeated. When you select **Title** (title) or **Chapter** (chapter), playback of that title or chapter only is repeated.

#### Note

- When the repeat play of a DVD disc is selected, play stops and depending on the disc a menu is displayed upon completion of play of an entire disc once through. 

### Selecting audio output

You can select between stereo and monaural audio output.


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

The audio option is indicated in blue.

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

This switches you to the selected setting.

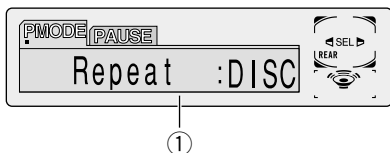
**L+R** (left and right)—**L** (left)—**R** (right)

- This function is effective only on dual mono mode sound. 

## Playing DVDs on the built-in player

### Operating from the function display (DVH mode)

Repeat and pause functions can also be operated from the head unit's OEL display.



#### ① FUNCTION display

Shows the function status.

#### Press F to display the function names.

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

**P.MODE** (repeat play)—**PAUSE** (pause)


- Pressing **FUNCTION** on the head unit also performs the same operation.

- To return to the playback display, press

**BAND/ESC**.



#### Note

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

### Repeating play

There are three repeat play ranges for the built-in player (DVD): **DISC** (disc repeat), **CHAP** (chapter repeat), and **TITLE** (title repeat).

#### 1 Press F to select P.MODE.

Press **F** until **Repeat** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.


#### 2 Press ◀◀ or ▶▶ to select the repeat range.

Press ◀◀ or ▶▶ until the desired repeat range appears in the display.

- **DISC** — Repeat the current disc
- **TITLE** — Repeat the current title
- **CHAP** — Repeat the current chapter
- Pressing ◀ or ▶ on the head unit also performs the same operation.



#### Note

- If you perform chapter search or fast forward/reverse during **CHAP** (chapter repeat), the repeat play range changes to **DISC** (disc repeat). 

### Pausing playback

This lets you pause playback and view a still picture.

#### 1 Press F to select PAUSE.

Press **F** until **Pause** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.


#### 2 Press II▶ to turn pause on.

**Pause :ON** appears in the display. Play of the current track pauses.

- Pressing ▲ on the head unit also performs the same operation.

#### 3 Press ◀II to turn pause off.

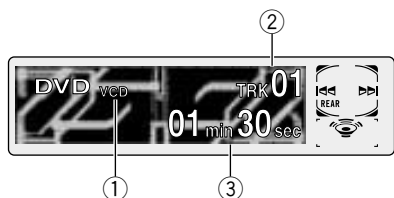
**Pause :OFF** appears in the display. Play will resume at the same point that you turned pause on.

- Pressing ▼ on the head unit also performs the same operation. 

## Playing Video CDs on the built-in player

### Playing a Video CD

#### OEL display



These are the basic steps necessary to play a Video CD with your built-in player. More advanced Video CD operation is explained starting on page 35.

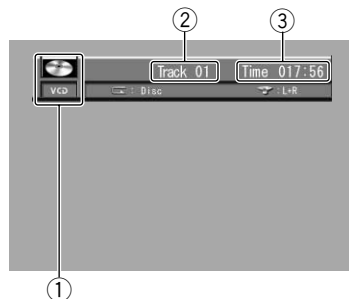
- ① **VCD indicator**  
Shows when a Video CD disc is playing.
- ② **TRACK NUMBER indicator**  
Shows the track currently playing.
- ③ **PLAY TIME indicator**  
Shows the elapsed playing time of the current track.



#### Notes

- If the Video CD playback is on, **REAR** will be displayed on the OEL display.
- If you set **AUTO PLAY :OFF**, **REAR** will be displayed on the OEL display regardless of whether the rear display is connected to this product or not.

#### Information display



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

- ① **VCD indicator**  
Shows when a Video CD disc is playing.
- ② **TRACK NUMBER indicator**  
Shows the track currently playing.
- ③ **PLAY TIME indicator**  
Shows the elapsed playing time of the current track.



## Playing Video CDs on the built-in player

### Basic operation of Video CD

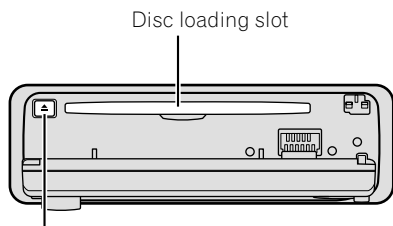
#### 1 Press OPEN on the head unit to open the front panel.

Disc loading slot appears.

- After inserting a Video CD, press **SOURCE** to select the built-in player.
- Pressing **SOURCE** on the head unit also performs the same operation.

#### 2 Insert a Video CD into the Disc loading slot.

When you set **AUTO PLAY :ON**, playback will automatically start. If you set **AUTO PLAY :OFF**, press **SOURCE** to select **DVD** (refer to page 17).



#### EJECT button

- You can eject a Video CD by pressing **EJECT** on the head unit.
- To avoid a malfunction, make sure that no metal object comes into contact with the front panel is open.

#### 3 After a Video CD has been inserted, close the front panel.

#### 4 Use NUMBER buttons to select the desired MENU option.

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

- Playback starts from the selected menu option.
- Operation with the joystick is not possible.
- You can display the menu by pressing **RETURN** while PBC playback. For details, refer to the instructions provided with the disc.



#### Notes

- When menu are two or more pages long, press **I◀◀** or **▶▶I** to switch between displays.
- If the remote control is set to DVH mode, **I◀◀** and **▶▶I** do not operate. In this case, press **◀◀** or **▶▶**.
- To play a disc without using a menu (without PBC playback), when the disc is stopped press the appropriate number button to select the desired track. To return to PBC playback, stop playback and press **▶/II**.

#### 5 Use VOLUME to adjust the sound level.

Press **VOLUME** to increase or decrease the volume level.

- Rotating **VOLUME** on the head unit also increases or decreases the volume.

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

Track numbers are displayed for 8 seconds.

- Pressing **◀** or **▶** on the head unit also performs the same operation.
  - If the remote control is set to DVH mode, **I◀◀** and **▶▶I** do not operate. In this case, press **◀◀** or **▶▶** to skip to another track.
- Using **NUMBER** buttons also performs the same operation. For more details, refer to *Specifying track* on page 34.

## Playing Video CDs on the built-in player

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

- Pressing and holding ◀ or ▶ on the head unit also performs the same operation.
  - If you continue pressing ◀◀ or ▶▶ for 5 seconds, the color of the fast reverse/fast forward mark (◀◀/▶▶) changes from white to blue. When this happens, fast reverse/fast forward continues even if you release ◀◀ or ▶▶. To resume playback at a desired point, press ▶/II.
- Fast forward/fast reverse may not be possible at certain locations on some discs. If this happens, normal playback automatically resumes.



#### Notes

- The built-in player plays one, standard, 12-cm or 8-cm (single) Video CD at a time. Do not use an adapter when playing 8-cm Video CDs.
- Do not insert anything other than a DVD/Video CD/CD into the disc loading slot.
- If you cannot insert a disc completely or if after you insert a disc the disc does not play, check that the label side of the disc is up. Press **EJECT** to eject the disc, and check the disc for damage before inserting the disc again.
- If the built-in player does not operate properly, an error message such as **ERROR-11** may be displayed. Refer to *Error messages* on page 85.

### Stopping playback

- This function is operated by using the remote control.

#### Press ■.



#### Note

- When you stop Video CD playback (during PBC playback only) by pressing ■, that location on the disc is memorized enabling playback from that point when you play the disc again.

### Specifying track (DVD mode)

- This function is operated by using the remote control.

#### Press NUMBER buttons corresponding to a desired track number.

Track number is displayed for 8 seconds and playback starts from the selected track.

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



#### Notes

- With some discs, the prohibited mark "⊘" may be displayed and operation may not be possible.
- With Video CD, direct search is not possible during PBC playback.
- You cannot select tracks by using **NUMBER** buttons when the remote control is set to **DVH** mode.

## Playing Video CDs on the built-in player

### Still playback

This lets you pause playback and view a still picture.

#### Press ►/II during playback.

The still mark (II) is displayed for 4 seconds and playback is paused letting you view a still image.

- Pressing **PAUSE** on the head unit also performs the same operation.
- To return to normal playback, press ►/II once more. ■

### Operating from the information display (DVH & DVD mode)

This display lets you use the search function to specify a track to search for desired scenes, use the time search function to specify a time to search for a desired scene, switch audio output, and select the range for repeat play. During playback of Video CDs featuring PBC (Playback Control), **PLAYBACK CONTROL ON** is displayed. During such playback, search and time search functions cannot be used nor can you select the range for repeat play. (See page 36.)

- To play a disc without using a menu (without PBC playback), when the disc is stopped press the appropriate number button to select the desired track. To return to PBC playback, stop playback and press ►/II.



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

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

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

**Information display**—**Normal playback display** ■

## Playing Video CDs on the built-in player

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

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

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

The selected option is indicated in blue.

#### 2 Press NUMBER buttons to input the desired number.

##### For Tracks

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



##### Notes

- You can also select tracks by moving the joystick up/down.
- You cannot select tracks by using **NUMBER** buttons when the remote control is set to **DVH** mode. In this case, use the joystick to select tracks.

### For Time (Time Search) (DVD mode)

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



##### Note

- Pressing **CLEAR** cancels the input number.

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


This starts playback from the selected scene.



##### Note

- Time search is not possible while the disc is stopped.

### Direct Search

Even without using an information display you can start playback of a desired track. For details, see page 34. 

### Selecting repeat range

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

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

The repeat range option is indicated in blue.

## Playing Video CDs on the built-in player

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

This switches you to the selected setting.

**Disc** (disc)—**Track** (track)

- When you select **Disc** (disc), playback of the entire disc is repeated. When you select **Track** (track), playback of that track only is repeated.



#### Note

- When the repeat play of a Video CD disc is selected, play stops and depending on the disc a menu is displayed upon completion of play of an entire disc once through.

## Selecting audio output

You can select between stereo and monaural audio output.

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

The audio option is indicated in blue.

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

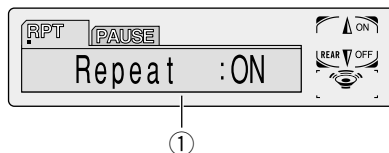
This switches you to the selected setting.

**L+R** (left and right)—**L** (left)—**R** (right)



## Operating from the function display (DVH mode)

Repeat and pause functions can also be operated from the head unit's OEL display.



### ① FUNCTION display

Shows the function status.

### Press F to display the function names.

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

**RPT** (repeat play)—**PAUSE** (pause)

- Pressing **FUNCTION** on the head unit also performs the same operation.
- To return to the playback display, press **BAND/ESC**.



#### Note

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

## Repeating play

Repeat play lets you hear the same track over again.

### 1 Press F to select RPT.

Press **F** until **Repeat** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

## Playing Video CDs on the built-in player

### 2 Press **II▶** to turn repeat play on.

**Repeat :ON** appears in the display. The track presently playing will play and then repeat.

- Pressing **▲** on the head unit also performs the same operation.


### 3 Press **◀II** to turn repeat play off.

**Repeat :OFF** appears in the display. The track presently playing will continue to play and then play the next track.

- Pressing **▼** on the head unit also performs the same operation.



#### Note

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

## Pausing playback

This lets you pause playback and view a still picture.

### 1 Press **F** to select **PAUSE**.

Press **F** until **Pause** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.


### 2 Press **II▶** to turn pause on.

**Pause :ON** appears in the display. Play of the current track pauses.

- Pressing **▲** on the head unit also performs the same operation.

### 3 Press **◀II** to turn pause off.

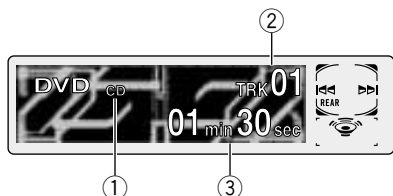
**Pause :OFF** appears in the display. Play will resume at the same point that you turned pause on.

- Pressing **▼** on the head unit also performs the same operation. 

## Playing CDs on the built-in player

### Playing a CD

#### OEL display



These are the basic steps necessary to play a CD with your built-in player. More advanced CD operation is explained starting on page 41.

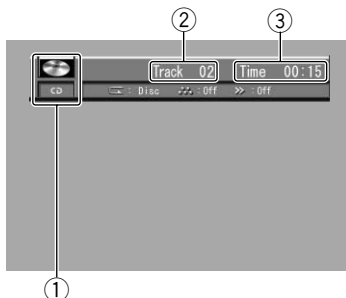
- ① **CD indicator**  
Shows when the CD disc is playing.
- ② **TRACK NUMBER indicator**  
Shows the track currently playing.
- ③ **PLAY TIME indicator**  
Shows the elapsed playing time of the current track.



#### Notes

- If the CD playback is on, **REAR** will be displayed on the OEL display.
- If you set **AUTO PLAY :OFF**, **REAR** will be displayed on the OEL display regardless of whether the rear display is connected to this product or not.

### Information display



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

- ① **CD indicator**  
Shows when a CD disc is playing.
- ② **TRACK NUMBER indicator**  
Shows the track currently playing.
- ③ **PLAY TIME indicator**  
Shows the elapsed playing time of the current track.

## Playing CDs on the built-in player

### Basic operation of CD

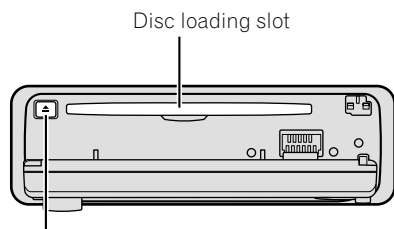
#### 1 Press OPEN on the head unit to open the front panel.

Disc loading slot appears.

- After inserting a CD, press **SOURCE** to select the built-in player.
- Pressing **SOURCE** on the head unit also performs the same operation.

#### 2 Insert a CD into the Disc loading slot.

When you set **AUTO PLAY :ON**, playback will automatically start. If you set **AUTO PLAY :OFF**, press **SOURCE** to select **DVD** (refer to page 17).



#### EJECT button

- You can eject a CD by pressing **EJECT** on the head unit.
- To avoid a malfunction, make sure that no metal object comes into contact with the front panel is open.

#### 3 After a CD has been inserted, close the front panel.

#### 4 Use VOLUME to adjust the sound level.

Press **VOLUME** to increase or decrease the volume level.

- Rotating **VOLUME** on the head unit also increases or decreases the volume.

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

Track numbers are displayed for 8 seconds.

- Pressing ◀ or ▶ on the head unit also performs the same operation.

- If the remote control is set to **DVH** mode, ◀◀ and ▶▶ do not operate. In this case, press ◀◀ or ▶▶ to skip to another track.

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

- Pressing and holding ◀ or ▶ on the head unit also performs the same operation.
  - If you continue pressing ◀◀ or ▶▶ for 5 seconds, the color of the fast reverse/fast forward mark (◀◀/▶▶) changes from white to blue. When this happens, fast reverse/fast forward continues even if you release ◀◀ or ▶▶. To resume playback at a desired point, press ▶/II.
  - If you fast forward to the end of a CD, fast forward continues from the beginning of the disc.
  - If you fast reverse to the beginning of a CD, normal playback resumes.



#### Notes

- The built-in player plays one, standard, 12-cm or 8-cm (single) CD at a time. Do not use an adapter when playing 8-cm CDs.
- Do not insert anything other than a DVD/Video CD/CD into the Disc loading slot.
- If you cannot insert a disc completely or if after you insert a disc the disc does not play, check that the label side of the disc is up. Press **EJECT** to eject the disc, and check the disc for damage before inserting the disc again.
- If the built-in player does not operate properly, an error message such as **ERROR-11** may be displayed. Refer to *Error messages* on page 85.





## Playing CDs on the built-in player

### Operating from the information display (DVH & DVD mode)

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



#### ① Information display

Shows the function status.

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

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

**Information display**—Nomal playback display 

### Searching for a desired track

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

#### 1 Move the joystick left/right to select the Track option.

The Track option is indicated in blue.

#### 2 Press **NUMBER** buttons to input the desired track number.

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



#### Notes

- Pressing **CLEAR** cancels the input number.
- You can also select tracks by moving the joystick up/down.
- You cannot select tracks by using **NUMBER** buttons when the remote control is set to **DVH** mode. In this case, use the joystick to select tracks.

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

Play of the selected track starts. 

## Playing CDs on the built-in player

### Selecting repeat range

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

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

The repeat range option is indicated in blue.

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

This switches you to the selected setting.

**Disc** (disc)—**Track** (track)

- When you select **Disc** (disc), playback of the entire disc is repeated. When you select **Track** (track), playback of that track only is repeated.



### Setting random play

Tracks of the CD you are currently listening to are played in a random order.

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

The random option is indicated in blue.

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

This switches you to the selected setting.

**ON** (on)—**OFF** (off)

### Setting scan play

The beginning of each track on the CD you are currently listening to is played for about 10 seconds.

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

The scan option is indicated in blue.

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

This switches you to the selected setting.

**ON** (on)—**OFF** (off)

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



#### Note

- Scan play is canceled automatically after all tracks have been scanned.

### Pausing playback

Pause lets you temporarily stop playback of the CD.

#### Press ►/II during playback.

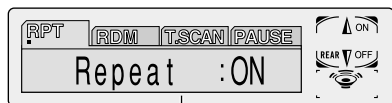
The still mark (II) is displayed for 4 seconds and playback is paused letting you view a still image.

- Pressing **PAUSE** on the head unit also performs the same operation.
- To return to normal playback, press ►/II once more.

## Playing CDs on the built-in player

### Operating from the function display (DVH mode)

The following functions can also be operated from the head unit's OEL display.



#### ① FUNCTION display

Shows the function status.

#### Press F to display the function names.


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

**RPT** (repeat play)—**RDM** (random play)—**T.SCAN** (scan play)—**PAUSE** (pause)

- Pressing **FUNCTION** on the head unit also performs the same operation.
- To return to the playback display, press **BAND/ESC**.



#### Note

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

### Repeating play

Repeat play lets you hear the same track over again.

#### 1 Press F to select RPT.

Press **F** until **Repeat** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

#### 2 Press II▶ to turn repeat play on.

**Repeat :ON** appears in the display. The track presently playing will play and then repeat.

- Pressing **▲** on the head unit also performs the same operation.


#### 3 Press ◀II to turn repeat play off.

**Repeat :OFF** appears in the display. The track presently playing will continue to play and then play the next track.

- Pressing **▼** on the head unit also performs the same operation.



#### Note

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

## Playing CDs on the built-in player

### Playing tracks in a random order

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

#### 1 Press **F** to select **RDM**.

Press **F** until **Random** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.


#### 2 Press **II▶** to turn random play on.

**Random :ON** appears in the display. Tracks will play in a random order.

- Pressing **▲** on the head unit also performs the same operation.

#### 3 Press **◀II** to turn random play off.

**Random :OFF** appears in the display. Tracks will continue to play in order.

- Pressing **▼** on the head unit also performs the same operation. 

### Scanning tracks of a CD

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

#### 1 Press **F** to select **T.SCAN**.

Press **F** until **Track Scan** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

#### 2 Press **II▶** to turn scan play on.

**Track Scan :ON** appears in the display. The first 10 seconds of each track is played.

- Pressing **▲** on the head unit also performs the same operation.

#### 3 When you find the desired track press **◀II** to turn scan play off.

**Track Scan :OFF** appears in the display. The track will continue to play.

- Pressing **▼** on the head unit also performs the same operation.
- If the display has automatically returned to the playback display, select **T.SCAN** again by pressing **F (FUNCTION)** on the head unit.



#### Note

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

### Pausing CD playback

Pause lets you temporarily stop playback of the CD.

#### 1 Press **F** to select **PAUSE**.

Press **F** until **Pause** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

#### 2 Press **II▶** to turn pause on.

**Pause :ON** appears in the display. Play of the current track pauses.

- Pressing **▲** on the head unit also performs the same operation.

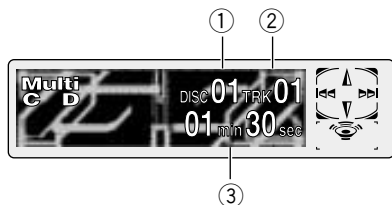
#### 3 Press **◀II** to turn pause off.

**Pause :OFF** appears in the display. Play will resume at the same point that you turned pause on.

- Pressing **▼** on the head unit also performs the same operation. 

## Multi-CD Player

### Playing a CD



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

These are the basic steps necessary to play a CD with your multi-CD player. More advanced CD operation is explained starting on page 46.

#### ① DISC NUMBER indicator

Shows the disc currently playing.

#### ② TRACK NUMBER indicator

Shows the track currently playing.

#### ③ PLAY TIME indicator

Shows the elapsed playing time of the current track.

#### 1 Press SOURCE to select the multi-CD player.

Press **SOURCE** until you see **Multi-CD** displayed.

- Pressing **SOURCE** on the head unit also performs the same operation.

#### 2 Use VOLUME to adjust the sound level.

Press **VOLUME** to increase or decrease the volume.

- Rotating **VOLUME** on the head unit also increases or decreases the volume.

#### 3 Select a disc you want to listen to with the NUMBER (1-6) buttons.

For discs located at 1 to 6, press the corresponding number button.

If you want to select a disc located at 7 to 12, press and hold the corresponding numbers such as **1** for disc 7, until the disc number appears in the display.

- Pressing **1-6** buttons on the head unit also performs the same operation.
- You can also sequentially select a disc by pressing **II>** or **<II** (**▲** or **▼** on the head unit).

#### 4 To perform fast forward or reverse, press and hold << or >>.

- Pressing and holding **<** or **>** on the head unit also performs the same operation.

#### 5 To skip back or forward to another track, press << or >>.

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

- Pressing **<** or **>** on the head unit also performs the same operation.




#### Notes

- When the multi-CD player performs the preparatory operations, **Ready** is displayed.
- If the multi-CD player does not operate properly, an error message such as **ERROR-11** may be displayed. Refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, **NO DISC** is displayed. **■**


## Pausing playback

Pause lets you temporarily stop playback of the CD.

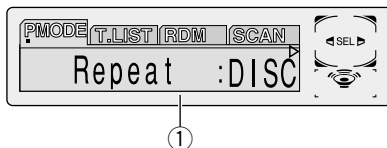
### Press ►/|| during playback.

- Pressing **PAUSE** on the head unit also performs the same operation.
- To return to normal playback, press ►/|| once more. 

## 50-disc multi-CD player

Only those functions described in this manual are supported for 50-disc multi-CD players. 

## Introduction of advanced multi-CD player operation



### ① FUNCTION display

Shows the function status.

### Press F to display the function names.


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

**P.MODE** (repeat play)—**T.LIST** (disc title list)—**RDM** (random play)—**SCAN** (scan play)—**ITS-P** (ITS play)—**PAUSE** (pause)—**COMP** (compression and DBE)

- Pressing **FUNCTION** on the head unit also performs the same operation.
- To return to the playback display, press **BAND/ESC**.



### Note

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

## Multi-CD Player

### Repeating play

There are three repeat play ranges for the multi-CD player: **MCD** (multi-CD player repeat), **TRK** (one-track repeat), and **DISC** (disc repeat).

#### 1 Press F to select P.MODE.

Press **F** until **Repeat** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.


#### 2 Press ◀◀ or ▶▶ to select the repeat range.

Press ◀◀ or ▶▶ until the desired repeat range appears in the display.

- **MCD** — Repeat all discs in the multi-CD player
- **TRK** — Repeat just the current track
- **DISC** — Repeat the current disc
- Pressing ◀ or ▶ on the head unit also performs the same operation.



#### Notes

- If you select other discs during repeat play, the repeat play range changes to **MCD** (multi-CD player repeat).
- If you perform track search or fast forward/reverse during **TRK** (one-track repeat), the repeat play range changes to **DISC** (disc repeat). 

### Playing tracks in a random order

Random play lets you playback tracks in a random order within the repeat range, **RANDOM** (multi-CD player repeat) and **D.RANDOM** (disc repeat).

#### 1 Select the repeat range.

Refer to *Repeating play* on this page.

#### 2 Press F to select RDM.

Press **F** until **Random** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.


#### 3 Press II▶ to turn random play on.

**Random :ON** appears in the display. Tracks will play in a random order within the previously selected **RANDOM** (multi-CD player repeat) or **D.RANDOM** (disc repeat) ranges.

- Pressing ▲ on the head unit also performs the same operation.

#### 4 Press ◀II to turn random play off.

**Random :OFF** appears in the display. Tracks will continue to play in order.

- Pressing ▼ on the head unit also performs the same operation. 

## Scanning CDs and tracks

While you are using **T.SCAN** (disc repeat), the beginning of each track on the selected disc plays for about 10 seconds. When you are using **D.SCAN** (multi-CD player repeat), the beginning of the first track of each disc is played for about 10 seconds.

### 1 Select the repeat range.

Refer to *Repeating play* on page 47.

### 2 Press **F** to select **SCAN**.

Press **F** until **Scan** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

### 3 Press **II▶** to turn scan play on.

**Scan :ON** appears in the display. The first 10 seconds of each track of the present disc (or the first track of each disc) is played.

- Pressing **▲** on the head unit also performs the same operation.

### 4 When you find the desired track (or disc) press **◀II** to turn scan play off.

**Scan :OFF** appears in the display. The track (or disc) will continue to play.

- If the display has automatically returned to the playback display, select **SCAN** again by pressing **F (FUNCTION)** on the head unit.
- Pressing **▼** on the head unit also performs the same operation.



#### Note

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

## Pausing CD playback

Pause lets you temporarily stop playback of the CD.

### 1 Press **F** to select **PAUSE**.

Press **F** until **Pause** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

### 2 Press **II▶** to turn pause on.

**Pause :ON** appears in the display. Play of the current track pauses.

- Pressing **▲** on the head unit also performs the same operation.

### 3 Press **◀II** to turn pause off.

**Pause :OFF** appears in the display. Play will resume at the same point that you turned pause on.

- Pressing **▼** on the head unit also performs the same operation.

## Using ITS playlists

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



## Multi-CD Player

### Creating a playlist with ITS programming

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

#### 1 Play a CD that you want to program.

Press **II▶** or **◀II** to select a CD.

- Pressing **▲** or **▼** on the head unit also performs the same operation.

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

After **TITLE** is displayed, press **F** repeatedly, the following functions appear in the display:

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

- Pressing and holding **FUNCTION** on the head unit also performs the same operation.

#### 3 Select a desired track by pressing ◀◀ or ▶▶.

- Pressing **◀** or **▶** on the head unit also performs the same operation.

#### 4 Press II▶ to store the currently playing track in the playlist.

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

- Pressing **▲** on the head unit also performs the same operation.

#### 5 Press BAND/ESC to return to the playback display.



#### Note

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

### Playback from your ITS playlist

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

#### 1 Select the repeat range.

Refer to *Repeating play* on page 47.

#### 2 Press F to select ITS-P.

Press **F** until **ITS Play** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

#### 3 Press II▶ to turn ITS play on.

**ITS Play :ON** appears in the display. Playback begins of those tracks from your playlist within the previously selected **MCD** (multi-CD player repeat) or **DISC** (disc repeat) ranges.

- If no tracks in the current range are programmed for ITS play then **ITS Empty** is displayed.
- Pressing **▲** on the head unit also performs the same operation.

#### 4 Press ◀II to turn ITS play off.

**ITS Play :OFF** appears in the display. Playback will continue in normal order from the currently playing track and CD.

- Pressing **▼** on the head unit also performs the same operation.

## Erasing a track from your ITS playlist

When you want to delete a track from your ITS playlist, you can if ITS play is on.

If ITS play is already on, skip to step 2. If ITS play is not already on, press **F** (**FUNCTION** on the head unit).

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

Refer to *Playback from your ITS playlist* on page 49.

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

After **TITLE** is displayed, press **F** until **ITS** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

### 3 Select a desired track by pressing ◀◀ or ▶▶.

- Pressing ◀ or ▶ on the head unit also performs the same operation.

### 4 Press ◀◀ to erase a track from your ITS playlist.

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

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

- Pressing ▼ on the head unit also performs the same operation.

### 5 Press BAND/ESC to return to the playback display.

## Erasing a CD from your ITS playlist

When you want to delete all tracks of a CD from your ITS playlist, you can if ITS play is off.

### 1 Play a CD that you want to delete.

Press **▶▶** or **◀◀** to select a CD.

- Pressing ▲ or ▼ on the head unit also performs the same operation.

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

After **TITLE** is displayed, press **F** until **ITS** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

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

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

- Pressing ▼ on the head unit also performs the same operation.

### 4 Press BAND/ESC to return to the playback display.

## Using disc title functions

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

## Multi-CD Player

### Entering disc titles

Disc title input lets you input CD titles up to 10 letters long and up to 100 disc titles (with ITS playlist) into the multi-CD player.

#### 1 Play a CD that you want to enter the title.

Press **II▶** or **◀II** to select a CD.

- Pressing **▲** or **▼** on the head unit also performs the same operation.

#### 2 Press **F** and hold until **TITLE** appears in the display.

After **TITLE** is displayed, press **F** repeatedly, the following functions appear in the display:

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

- When playing a CD TEXT disc on a CD TEXT compatible multi-CD player, you cannot switch to **TITLE**. The disc title will have already been recorded on a CD TEXT disc.
- Pressing and holding **FUNCTION** on the head unit also performs the same operation.

#### 3 Press **1** numbered button to select the desired character type.

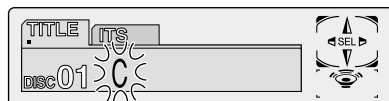
Press **1** numbered button repeatedly to switch between the following character type:

**Alphabet** (Upper case), **Numbers and Symbols—Alphabet** (Lower case)

- You can select to input Numbers and Symbols by pressing **2** numbered button.

#### 4 Press **II▶** or **◀II** to select a letter of the alphabet.

Each press of **II▶** will display a letter of the alphabet in **A B C ... X Y Z**, numbers and symbols in **1 2 3 ... @ # <** order. Each press of **◀II** will display a letter in the reverse order, such as **Z Y X ... C B A** order.



- Pressing **▲** or **▼** on the head unit also performs the same operation.

#### 5 Press **▶▶** to move the cursor to the next character position.

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

- Pressing **◀** or **▶** on the head unit also performs the same operation.

#### 6 Move the cursor to the last position by pressing **▶▶** after entering the title.

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

- Pressing **▶** on the head unit also performs the same operation.

#### 7 Press **BAND/ESC** to return to the playback display.



#### Notes

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

## Displaying disc titles

You can display the title of any disc that has had a disc title entered.

### Press **DISPLAY** on the head unit.

Press **DISPLAY** on the head unit repeatedly to switch between the following settings:

**PLAYBACK MODE** (play time)—**Disc Title** (disc title)

When you select **Disc Title**, the title of the currently playing disc is shown in the display.

- If no title has been entered for the currently playing disc, **NO TITLE** is displayed.

## Selecting discs from the disc title list

Disc title list lets you see the list of disc titles that have been entered into the multi-CD player and select one of them to playback.

### 1 Press **F** to select **T.LIST**.

Press **F** until disc title appears in the display.


- Pressing **FUNCTION** on the head unit also performs the same operation.

### 2 Press **◀** or **▶** to scroll through the list of titles that have been entered.

- If no title has been entered for a disc, **NO D-TITLE** will be displayed.
- Pressing **◀** or **▶** on the head unit also performs the same operation.

### 3 Press **II▶** to play your favorite CD title.

That selection will begin to play.

- Pressing **▲** on the head unit also performs the same operation. 

## Using CD TEXT functions

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

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

## Displaying titles on CD TEXT discs

### Press **DISPLAY** on the head unit when playing a CD TEXT disc on the multi-CD player.

Press **DISPLAY** on the head unit repeatedly to switch between the following settings:

**PLAYBACK MODE** (play time)—**Disc Title** (disc title)—**DiscArtist Name** (disc artist name)—

**Track Title** (track title)—**TrackArtist Name** (track artist name)

- If specific information has not been recorded on a CD TEXT disc, **NO XXXX** will be displayed (e.g., **NO Track Title**).

## Scrolling titles in the display

This unit can display the first 16 letters only of **Disc Title**, **DiscArtist Name**, **Track Title** and **TrackArtist Name**. When the recorded information is longer than 16 letters, you can scroll the text to the left so that the rest of the title can be seen.

### Press **DISPLAY** on the head unit and hold until the title begins to scroll to the left.

The rest of the title will appear in the display. 

## Multi-CD Player

### Using compression and bass emphasis

*You can use these functions only with a multi-CD player that supports them.*

Using COMP (compression) and DBE (dynamic bass emphasis) functions let you adjust the sound playback quality of the multi-CD player. Each of the functions have a two-step adjustment. The COMP function balances the output of louder and softer sounds at higher volumes. DBE boosts bass levels to give playback a fuller sound. Listen to each of the effects as you select through them and use the one that best enhances the playback of the track or CD that you are listening to.

#### 1 Press F to select COMP.


Press **F** until **Comp/DBE** appears in the display.

- If the multi-CD player does not support COMP/DBE, **No Comp** is displayed when you attempt to select it.
- Pressing **FUNCTION** on the head unit also performs the same operation.

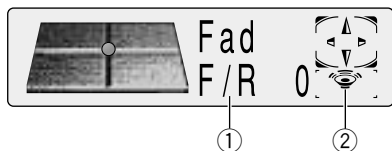
#### 2 Press **II▶** or **◀II** to select your favorite setting.

Press **II▶** or **◀II** repeatedly to switch between the following settings:

**Comp OFF—Comp 1—Comp 2—Comp OFF—  
DBE 1—DBE 2**

- Pressing **▲** or **▼** on the head unit also performs the same operation. 

## Introduction of audio adjustments



### ① AUDIO display

Shows the audio adjustments status.

### ② SUBWOOFER indicator

Shows when the subwoofer is on.

### Press A to display the audio function names.

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

**Fad** (balance adjustment)—**EQ** (equalizer curve adjustment)—**Bass** (bass)—**Treble** (treble)—

**Loud** (loudness)—**Sub-W1** (subwoofer1)/**Non Fad** (non fading output on/off)—**Sub-W2** (subwoofer2)/**Non Fad** (non fading output setting)—**HPF** (high pass filter)—**SLA** (source level adjustment)

- When the subwoofer controller setting is only

**S.W Control:EXT**, you cannot switch the **Sub-W1**. (Refer to page 73.)

- You can select the **Sub-W2** only when Subwoofer output is switched on in the **Sub-W1**.

- When the subwoofer controller setting is only **S.W Control:EXT**, you can switch the non fading output on/off mode. (Refer to page 73.)


- You can select the non fading output setting mode only when non fading output is switched on in the non fading output on/off mode.

- Pressing **AUDIO** on the head unit also performs the same operation.
- When selecting the FM tuner as the source, you cannot switch to **SLA**.
- To return to the playback display, press **BAND/ESC**.

### Important

- If the Multi-channel processor (DEQ-P7050) is connected to this unit, the audio function will be changed into the Multi-channel processor's audio menu. For details, see the Multi-channel processor (DEQ-P7050) owner's manual.

### Notes

- If you do not operate the audio function within about 30 seconds, the display is automatically returned to the source display.
- Audio menu functions change depending on the rear output setting in the initial setting menu. Refer to *Setting the rear output and subwoofer controller* on page 73. 

## Audio Adjustments

### Setting the sound focus equalizer

Clarifying the sound image of vocals and instruments allows the simple staging of a natural, pleasant sound environment.

Even greater listening enjoyment will be obtained if seating positions are chosen carefully.

- **FRT1** boosts the treble on the front output and the bass on the rear output.

**FRT2** boosts the treble and the bass on the front output and the bass on the rear output. (The bass boost is the same for both front and rear.) For both **FRT1** and **FRT2** the **H** setting provides a more pronounced effect than the **L** setting.

**1 Press SFEQ/SFC on the head unit to display the SFEQ mode.**

**2 Press SFEQ/SFC on the head unit to select the desired SFEQ mode.**

**FRT1-H** (front1-high) — **FRT1-L** (front1-low) —  
**FRT2-H** (front2-high) — **FRT2-L** (front2-low) —  
**CUSTOM** (custom) — **SFEQ OFF** (off)

**3 Press ◀◀ or ▶▶ to select the desired position.**

Press ◀◀ or ▶▶ until the desired position appears in the display.

**LEFT** (left) — **CENTER** (center) — **RIGHT** (right)

- Pressing ◀ or ▶ on the head unit also performs the same operation.



#### Notes

- If you adjust the bass or treble, **CUSTOM** memorizes an **SFEQ** mode in which the bass and treble are adjusted for personal preference.
- If you switch the **SFEQ** mode, the **H.P.F.** function is automatically switched off. By switching the **H.P.F.** function on after selecting the **SFEQ** mode, you can combine **H.P.F.** function with **SFEQ** function.

### Using balance adjustment

You can select a fader/balance setting that provides an ideal listening environment in all occupied seats.

**1 Press A to select Fad.**

Press **A** until **Fad** appears in the display.

- If the balance setting has been previously adjusted, **Bal** will be displayed.
- Pressing **AUDIO** on the head unit also performs the same operation.

**2 Press II▶ or ◀II to adjust front/rear speaker balance.**

Each press of II▶ or ◀II moves the front/rear speaker balance towards the front or the rear.

- **Fad F15 – Fad R15** is displayed as the front/rear speaker balance moves from front to rear.
- **Fad F/R 0** is the proper setting when only two speakers are used.
- When the rear output setting is **Rear SP:S.W**, you cannot adjust front/rear speaker balance. Refer to *Setting the rear output and subwoofer controller* on page 73.
- Pressing ▲ or ▼ on the head unit also performs the same operation.

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

When you press ◀◀ or ▶▶, **Bal L/R 0** is displayed. Each press of ◀◀ or ▶▶ moves the left/right speaker balance towards the left or the right.

- **Bal L9 – Bal R9** is displayed as the left/right speaker balance moves from left to right.
- Pressing ◀ or ▶ on the head unit also performs the same operation.

## Using the equalizer

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

### Recalling equalizer curves

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


Display	Equalizer curve
<b>SUPER BASS</b>	Super bass
<b>POWERFUL</b>	Powerful
<b>NATURAL</b>	Natural
<b>VOCAL</b>	Vocal
<b>CUSTOM1, 2</b>	Custom1, 2
<b>FLAT</b>	Flat

- **CUSTOM1** and **CUSTOM2** are adjusted equalizer curves.
- A separate **CUSTOM1** curve can be created for each source.
- If you make adjustments when a curve other than **CUSTOM2** is selected, the equalizer curve settings are memorized in **CUSTOM1**.
- A **CUSTOM2** curve can be created common to all sources.
- If you make adjustments when the **CUSTOM2** curve is selected, the **CUSTOM2** curve is updated.
- When **FLAT** is selected no supplement or correction is made to the sound. This is useful to check the effect of the equalizer curves by switching alternatively between **FLAT** and a set equalizer curve.

**1 Press EQ on the head unit to display the equalizer mode.**

**2 Press EQ on the head unit to select the equalizer.**

Press **EQ** on the head unit repeatedly to switch between the following equalizer curves.

**SUPER BASS—POWERFUL—NATURAL—VOCAL—CUSTOM1—CUSTOM2—FLAT** 

### Adjusting equalizer curves

You can adjust the currently selected equalizer curve setting as desired. Adjusted equalizer curve settings are memorized in **CUSTOM1** or **CUSTOM2**.

**1 Press A to select the equalizer mode .**

Press **A** until **EQ Low/EQ Mid/EQ High** appears in the display.

- Pressing **AUDIO** on the head unit also performs the same operation.

**2 Select the equalizer band you want to adjust with ◀◀ or ▶▶.**

**EQ Low (low)—EQ Mid (mid)—EQ High (high)**

- Pressing ◀ or ▶ on the head unit also performs the same operation.


**3 Press II▶ or ◀II to adjust the equalizer curve.**

Each press of **II▶** or **◀II** increases or decreases the equalizer curve respectively.

- **+6—-6** is displayed as the equalizer curve is increased or decreased.
- Pressing ▲ or ▼ on the head unit also performs the same operation.



#### Note

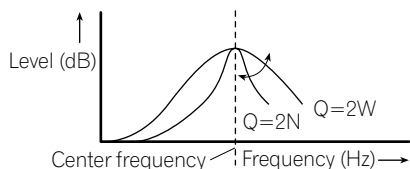
- If you make adjustments when a curve other than **CUSTOM2** is selected, **CUSTOM1** curve is updated. 



## Audio Adjustments

### Fine adjusting equalizer curve

You can adjust the center frequency and the Q factor (curve characteristics) of each currently selected curve band (**EQ Low/EQ Mid/EQ High**).



**1 Press A and hold until frequency and the Q factor (e.g., F 80 Q 1W) appears in the display.**

- Pressing and holding **AUDIO** on the head unit also performs the same operation.

**2 Press A to select the desired band for adjustment.**

Low—Mid—High

- Pressing **AUDIO** on the head unit also performs the same operation.

**3 Select the desired frequency with**

**◀◀ or ▶▶.**

Press **◀◀** or **▶▶** until the desired frequency appears in the display.

Low : 40—80—100—160 (Hz)

Mid : 200—500—1 k—2 k (Hz)

High : 3.15 k—8 k—10 k—12.5 k (Hz)

- Pressing **◀** or **▶** on the head unit also performs the same operation.

**4 Press ◀◀ or ▶▶ to select the desired Q factor.**

Press **◀◀** or **▶▶** until the desired Q factor appears in the display.

**2 N—1 N—1 W—2 W**

- Pressing **▲** or **▼** on the head unit also performs the same operation.



#### Note

- If you make adjustments when a curve other than **CUSTOM2** is selected, **CUSTOM1** curve is updated.

### Adjusting bass

You can adjust the cut-off frequency and the bass level.

- In **FRT1** mode, bass adjustment affects only the rear output: front output cannot be adjusted.

**1 Press A to select Bass.**

Press **A** until **Bass** appears in the display.

- Pressing **AUDIO** on the head unit also performs the same operation.

**2 Select the desired frequency with ◀◀ or ▶▶.**

Press **◀◀** or **▶▶** until the desired frequency appears in the display.

**40—63—100—160 (Hz)**

- Pressing **◀** or **▶** on the head unit also performs the same operation.

**3 Press ◀◀ or ▶▶ to adjust the bass level.**

Each press of **▶▶** or **◀◀** increases or decreases the bass level. **+6—-6** is displayed as the level is increased or decreased.

- Pressing **▲** or **▼** on the head unit also performs the same operation.

## Adjusting treble

You can adjust the cut-off frequency and the Treble level.

- In **FRT1** and **FRT2** modes, treble adjustment affects only the front output: rear output cannot be adjusted.

### 1 Press **A** to select Treble.

Press **A** until **Treble** appears in the display.

- Pressing **AUDIO** on the head unit also performs the same operation.

### 2 Select the desired frequency with

**◀◀ or ▶▶.**

Press **◀◀** or **▶▶** until the desired frequency appears in the display.

**2.5k—4k—6.3k—10k** (Hz)

- Pressing **◀** or **▶** on the head unit also performs the same operation.

### 3 Press **II▶** or **◀II** to adjust the treble level.

Each press of **II▶** or **◀II** increases or decreases the treble level. **+6 — -6** is displayed as the level is increased or decreased.

- Pressing **▲** or **▼** on the head unit also performs the same operation. **▣**

## Adjusting loudness

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

### 1 Press **A** to select Loud.

Press **A** until **Loud** appears in the display.

- Pressing **AUDIO** on the head unit also performs the same operation.

### 2 Press **II▶** to turn loudness on.

Loudness level (e.g., **Loud Mid**) appears in the display.

- Pressing **▲** on the head unit also performs the same operation.

### 3 Press **◀◀** or **▶▶** to select the level.

Press **◀◀** or **▶▶** until the desired level appears in the display.

**Low** (low)—**Mid** (mid)—**High** (high)

- Pressing **◀** or **▶** on the head unit also performs the same operation.

### 4 Press **◀II** to turn loudness off.

**Loud OFF** appears in the display.

- Pressing **▼** on the head unit also performs the same operation. **▣**

## Audio Adjustments

### Using subwoofer output

This unit is equipped with a subwoofer output which can be switched on or off. When a subwoofer is connected to the rear output, first, switch the rear output setting to subwoofer, then turn the subwoofer output on. For more details, see *Setting the rear output and subwoofer controller* on page 73.

#### 1 Press A to select Sub-W1.

When the subwoofer controller setting is **S.W Control:EXT**, you cannot select **Sub-W1**. Press **A** until **Sub-W1** appears in the display.

- Pressing **AUDIO** on the head unit also performs the same operation.

#### 2 Press II▶ to turn subwoofer output on.

**Sub-W1 Normal** appears in the display.

Subwoofer output is now on.

- You can turn off subwoofer output by pressing ◀II.
- Pressing ▲ or ▼ on the head unit also performs the same operation.

#### 3 Press ◀◀ or ▶▶ to select the phase of subwoofer output.

Press ◀◀ to select reverse phase and **Rev.**

appears in the display. Press ▶▶ to select normal phase and **Normal** appears in the display.

- Pressing ◀ or ▶ on the head unit also performs the same operation.

### Adjusting subwoofer settings

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

#### 1 Press A to select the Sub-W2.

When the subwoofer output is on, you can select the **Sub-W2**. Press **A** until **Sub-W2 80** (Hz) appears in the display.

- If the subwoofer setting has been previously adjusted, the frequency of that previously selected will be displayed, such as **50** (Hz) or **125** (Hz).
- Pressing **AUDIO** on the head unit also performs the same operation.

#### 2 Press ◀◀ or ▶▶ to select cut-off frequency.

Press ◀◀ and **50** (Hz) is displayed. Press ▶▶ and **125** (Hz) is displayed. Only frequencies lower than those in the selected range are output from the subwoofer.

- Pressing ◀ or ▶ on the head unit also performs the same operation.

#### 3 Press II▶ or ◀II to adjust the output level of the subwoofer.

Each press of II▶ or ◀II increases or decreases the level of the subwoofer (e.g., **+6** to **-6**).

Press II▶ or ◀II until you see the desired value displayed.

- Pressing ▲ or ▼ on the head unit also performs the same operation. ◻

## Using non fading output

When the non fading output setting is on, the audio signal does not pass through this unit's low pass filter (for the subwoofer), but is output through the RCA output.

### 1 Press **A** to select non fading output on/off mode.

When the subwoofer controller setting is **S.W Control:EXT**, you can select non fading output on/off mode. Press **A** until **NonFad ON** appears in the display.

- Pressing **AUDIO** on the head unit also performs the same operation.

### 2 Press **II▶** to turn non fading output on.

**NonFad ON** appears in the display. Non fading output is now on.

- You can turn off non fading output by pressing **◀II**.
- Pressing **▲** or **▼** on the head unit also performs the same operation.

## Adjusting non fading output level

When the non fading output is on, you can adjust the level of non fading output.

### 1 Press **A** to select non fading output setting mode.


Press **A** until **NonFad 0** appears in the display.

- Pressing **AUDIO** on the head unit also performs the same operation.

### 2 Press **II▶** or **◀II** to adjust the output level of the non fading.

Each press of **II▶** or **◀II** increases or decreases the level of the non fading (e.g., **+6** to **-6**).

Press **II▶** or **◀II** until you see the desired value displayed.

- Pressing **▲** or **▼** on the head unit also performs the same operation. 

## Using the high pass filter

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

### 1 Press **A** to select HPF.

Press **A** until **HPF** appears in the display.

- Pressing **AUDIO** on the head unit also performs the same operation.

### 2 Press **II▶** to turn high pass filter on.

**HPF 80 Hz** appears in the display. High pass filter is now on.

- To turn high pass filter off, press **◀II**.
- Pressing **▲** or **▼** on the head unit also performs the same operation.


### 3 Press **◀◀** or **▶▶** to select a high pass filter range.

Press **◀◀** and **HPF 50 Hz** is displayed. Press **▶▶** and **125 Hz** is displayed. Only frequencies higher than those in the selected range are output from the front or rear speakers.

- Pressing **◀** or **▶** on the head unit also performs the same operation.



#### Note

- If you switch the **SFEQ** mode, the **H.P.F.** function is automatically switched off. By switching the **H.P.F.** function on after selecting the **SFEQ** mode, you can combine **H.P.F.** function with **SFEQ** function. 

## Audio Adjustments

### Adjusting source levels

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

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

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

#### 2 Press A to select SLA.

Press **A** until **SLA** appears in the display.

- Pressing **AUDIO** on the head unit also performs the same operation.


#### 3 Press **II▶** or **◀II** to adjust the source volume.

Each press of **II▶** or **◀II** increases or decreases the source volume.

- **SLA +4 – SLA –4** is displayed as the source volume is increased or decreased.
- Pressing **▲** or **▼** on the head unit also performs the same operation.



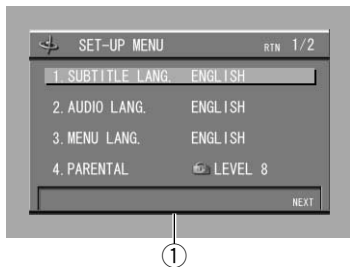
#### Notes

- Since the FM tuner volume is the control, it is not possible to apply source level adjustments to the FM tuner.
- The AM tuner volume level can also be adjusted with source level adjustments.
- Video CD and CD are automatically set to the same volume adjustment setting.
- External unit 1 and external unit 2 are set to the same volume adjustment setting automatically. 

## Initial Settings for DVD player

### Calling up the SET UP MENU

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



#### ① SET UP MENU

Shows the set up menu status.

1 Press **■**.

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

The **SET UP MENU** is displayed.

3 Press **▶▶**.

The second **SET UP MENU** is displayed.

- To switch to the first **SET UP MENU**, press **◀◀**.



#### Note

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

### Returning to the previous display

The **SET UP MENU** lets you switch between displays of different setting options. To continue performing different settings, or if you make a mistake during setting, pressing **RETURN** takes you back to the previous display each time you press it. **■**

## Initial Settings for DVD player

### Setting the subtitle (SUBTITLE LANG.)

You can set a desired subtitle language. If the selected subtitle language is recorded on the DVD, subtitles are displayed in that language. You can also switch subtitle and assist subtitle display ON/OFF.

### Setting subtitles and assist subtitles ON/OFF

You can switch Subtitle and Assist Subtitle ON/OFF as desired.

#### 1 Move the joystick up/down to select SUBTITLE LANG.

**SUBTITLE LANG.** is indicated in blue.

#### 2 Click the joystick.

A subtitle language menu is displayed.

#### 3 Move the joystick to select subtitle ON/OFF (LANGUAGE) or assist subtitle ON/OFF (ASSIST).

#### 4 Click the joystick.

Each time you click the joystick the selected setting switches ON/OFF.

### Assist subtitles

Assist subtitles offer explanations for the aurally impaired. However, they are only displayed if they are recorded on the DVD.

### Setting the subtitle language

You can set the preferred subtitle language.

#### 1 Move the joystick up/down to select SUBTITLE LANG.

**SUBTITLE LANG.** is indicated in blue.

#### 2 Click the joystick.

A subtitle language menu is displayed.

#### 3 Move the joystick up/down to select the LANGUAGE SELECT.

**LANGUAGE SELECT** is indicated in blue.

#### 4 Click the joystick.

A language select menu is displayed.

#### 5 Move the joystick up/down to select the desired language.

The currently set language is indicated the mark "☐". The language selected with the joystick is indicated in blue.

- To switch to the second language select menu, press ►►.
- To return to the first language select menu, press ◀◀.

#### 6 Click the joystick.

A subtitle language is set.

## Initial Settings for DVD player



### Notes

- If the selected language is not recorded on the disc, languages specified on the disc are displayed.
- You can also switch the subtitle language during playback with **SUBTITLE**. (See page 26.)
- Even if you use **SUBTITLE** to switch the subtitle language, this does not affect the settings here.
- Pressing **RETURN** takes you back to the previous display.

### When you select OTHERS

When you select **OTHERS**, a language code input display is shown. Refer to *Language code chart for DVD* on page 80, using the number buttons to input the four digit code of the desired language, then click the joystick.



### Note

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

## Setting the audio language (AUDIO LANG.)

You can set the preferred audio language.

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

**AUDIO LANG.** is indicated in blue.

### 2 Click the joystick.

An audio language menu is displayed.

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

The currently set language is indicated the mark "A". The language selected with the joystick is indicated in blue.

- To switch to the second audio language menu, press **▶▶**.
- To return to the first audio language menu, press **◀◀**.

### 4 Click the joystick.

The audio language is set.



### Notes

- If the selected language is not recorded on the disc, the language specified on the disc is output.
- You can also switch the audio language during playback with **AUDIO**. (Refer to page 26.)
- Even if you use **AUDIO** to switch the audio language, this does not affect the settings here.
- Pressing **RETURN** takes you back to the previous display.
- If you have selected **OTHERS**, refer to *When you select OTHERS* on this page.



## Initial Settings for DVD player

### Setting the menu language (MENU LANG.)

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

#### 1 Move the joystick up/down to select MENU LANG.

**MENU LANG.** is indicated in blue.

#### 2 Click the joystick.

A menu language menu is displayed.

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

The currently set language is indicated the mark "L". The language selected with the joystick is indicated in blue.

- To switch to the second menu language menu, press ►►.
- To return to the first menu language menu, press ◀◀.

#### 4 Click the joystick.

The menu language is set.



#### Notes

- If the selected language is not recorded on the disc, the language specified on the disc is displayed.
- Pressing **RETURN** takes you back to the previous display.
- If you have selected **OTHERS**, refer to *When you select OTHERS* on page 64.

### Setting the parental lock (PARENTAL)

Some DVDs let you use parental lock to restrict the viewing of violent and adult oriented scenes by children. You can set the parental lock level in steps as desired.

#### Setting the code number and level

When you first use this function, register your code number. If you do not register a code number, parental lock will not operate.

#### 1 Move the joystick up/down to select PARENTAL.

**PARENTAL** is indicated in blue.

#### 2 Click the joystick.

Parental Lock setting menu is displayed.

#### 3 Press NUMBER buttons to input a four digit code number.

#### 4 Click the joystick.

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

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

Level	Parental lock details
<b>LEVEL 8</b>	Playback of the entire disc is possible. (Initial setting)
<b>LEVEL 7 – LEVEL 2</b>	This prevents playback of discs featuring adult oriented material. (Playback of discs for children and non-adult oriented discs is possible.)
<b>LEVEL 1</b>	Playback of discs for children only is possible.

## Initial Settings for DVD player

### 6 Click the joystick.

The parental lock level is set.



#### Notes

- We recommend to keep a record of your code number in case you forget it.
- The parental lock level is recorded on the disc. You can confirm it by looking at the disc package, included literature or on the disc itself. With discs that do not feature a recorded parental lock level, you cannot use parental lock.
- With some discs, parental lock operates to skip certain scenes only, after which normal playback resumes. For details, refer to the disc's instructions.
- Pressing **RETURN** takes you back to the previous display.

## Changing the level

You can change the set parental lock level.

### 1 Move the joystick up/down to select **PARENTAL**.

**PARENTAL** is indicated in blue.

### 2 Click the joystick.

Parental lock setting menu is displayed.

### 3 Press **NUMBER** buttons to input the registered code number.

### 4 Click the joystick.

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

- If you input an incorrect code number, the prohibited mark "⊘" is displayed. Press **CLEAR** and input the correct code number.
- If you forget your code number, refer to *If you forget your code number* on page 70.

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

### 6 Click the joystick.


The new parental lock level is set.



#### Note

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

## When playing DVDs enabling parental lock

When you play a disc featuring parental lock, code number input indications may be displayed. If this happens and you do not input the correct code number, playback will not begin. 

## Initial Settings for DVD player

### Setting aspect ratio (TV ASPECT)

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

**1 Move the joystick up/down to select TV ASPECT in the second SET UP MENU.**  
TV ASPECT is indicated in blue.

**2 Click the joystick.**  
TV aspect menu is displayed.

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

The currently set TV aspect is indicated the mark "▶". The TV aspect selected with the joystick is indicated in blue.

TV aspect	Setting detail
16:9	Select when using a wide screen display. (Initial setting)
LETTER BOX	Select when using a regular display. When playing discs featuring images recorded with a 16:9 TV aspect, the picture is the shape of a letter box with black bands at the top and bottom of the screen.
PANSCAN	Select when using a regular display. When playing discs featuring images recorded with a 16:9 TV aspect, the picture is cut short at the right and left of the screen.

**4 Click the joystick.**

The selected TV aspect is set.



#### Precautions

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

### Setting angle mark display (ANGLE)

With discs featuring multi-angle recordings, the angle mark is displayed at the bottom right of the screen during playback of scenes enabling multi-angle viewing. You can set angle selection mark display ON/OFF.

**1 Move the joystick up/down to select ANGLE in the second SET UP MENU.**  
ANGLE is indicated in blue.

**2 Click the joystick.**  
Angle mark menu is displayed.

## Initial Settings for DVD player

### 3 Move the joystick up/down to select angle mark display ON/OFF.

The currently set option is indicated the mark "▶". The option selected with the joystick is indicated in blue.

### 4 Click the joystick.

Angle mark display is set ON/OFF.



#### Notes

- You can also switch the angle during playback with **ANGLE**. (Refer to page 27.)
- Pressing **RETURN** takes you back to the previous display.

## Setting for digital output (DIGITAL OUTPUT)

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



#### Precaution

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

### 1 Move the joystick up/down to select DIGITAL OUTPUT in the second SET UP MENU. DIGITAL OUTPUT is indicated in blue.

### 2 Click the joystick.

Digital output setting menu is displayed.

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

The currently set digital output setting is indicated the mark "▶". The digital output setting selected with the joystick is indicated in blue.

Digital output	Setting detail
<b>Dolby D/LPCM</b>	Select when using a Dolby Digital compatible amp and decoder. The Dolby Digital signal is output as it is. (Initial setting)
<b>LPCM</b>	Select when using an amp and decoder that are not Dolby Digital compatible. The Dolby Digital signal is converted to and output as a linear PCM signal.

### 4 Click the joystick.

The selected digital output setting is set.



#### Notes

- Linear PCM output of DTS audio is not possible. If you select **LPCM**, DTS audio is not output.
- When using this unit with a Pioneer Multi-channel processor with digital input (DEQ-P7050), select **Dolby D/LPCM**.
- Pressing **RETURN** takes you back to the previous display.

## Initial Settings for DVD player

### Setting digital and analog audio output (OUTPUT SELECTION)

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



#### Precaution

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

#### 1 Move the joystick up/down to select OUTPUT SELECTION in the second SET UP MENU.

**OUTPUT SELECTION** is indicated in blue.

#### 2 Click the joystick.

Audio output setting menu is displayed.

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

The currently set audio output setting is indicated the mark "▶". The audio output setting selected with the joystick is indicated in blue.

Output setting	Setting detail
<b>48kHz</b>	Select this setting when using digital connections. A 48 kHz signal is output regardless of the audio sampling frequency. A 96 kHz signal is converted to a 48 kHz signal. (Initial setting)
<b>96kHz</b>	Select this setting when using analog connections. The signal is output with the same frequency as the audio sampling frequency. With a 96 kHz signal, you can enjoy exceptionally high sound quality.

#### 4 Click the joystick.

The selected audio output setting is set.



#### Notes

- With discs featuring 96 kHz recording, if you select the **96kHz** setting, audio is not output from digital output.
- With discs do not feature a CSS (Content Scrambling System) copy guard signal, a 96 kHz digital signal is output.
- When using this unit with a Pioneer Multi-channel processor (DEQ-P7050), select **48kHz** setting. If you select the **96kHz** setting, no sound will be output when playing discs featuring 96 kHz recordings.
- Pressing **RETURN** takes you back to the previous display.

## Initial Settings for DVD player

### Setting remote control code type

When the remote control operation switch is set to **DVD**, changing the remote control code type enables you to operate the Pioneer DVD player by the supplied remote control. There are three remote codes, code type **A**, code type **B** and code type **DVH**.

When using this unit with an Multi-DVD Player (e.g. XDV-P9), select code **A**.

When using this unit with a DVD Navigation Unit, select code **B** (Not used).

When using this unit only, select code **DVH**.

#### 1 Set the remote control selection switch on the left side of the remote control to the appropriate position with a pen tip or other pointed instrument .

- If you select **DVH** mode, there is no need to take the following procedure.
- If you select **A/B** mode, take the following procedure and change the code type to the appropriate type.

#### 2 Pressing 7 and 0 on the remote control simultaneously changes the code type.

Initially, the code type is set to **A**.

Each time you press **7** and **0** simultaneously on the remote control the code type changes between **A** and **B**.



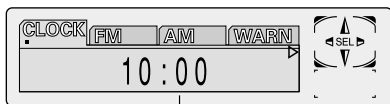
### If you forget your code number

Refer to *Changing the Level*, step 3 on page 66, and press **CLEAR** 10 times.

The registered code number is canceled, letting you register a new one.

## Initial Settings

### Adjusting initial settings



Initial settings lets you perform initial set up of different settings for this unit.

#### ① FUNCTION display

Shows the function status.

#### 1 Press SOURCE and hold until the unit turns off.

- Pressing **SOURCE** on the head unit also performs the same operation.

#### 2 Press F and hold until time appears in the display.

- Pressing and holding **FUNCTION** on the head unit also performs the same operation.

#### 3 Press F to select one of the initial settings.

Press **F** repeatedly to switch between the following settings:

**CLOCK—FM—AM—WARN—AUX—DIM—BRIGHT—SW—(D.ATT)—TEL—DVD**

Use the following instructions to operate each particular setting.

- To cancel initial settings, press **BAND/ESC**.
- You can also cancel initial settings by holding down **F** until the unit turns off.
- Pressing **FUNCTION** on the head unit also performs the same operation.
- D.ATT** can only be operated when you have connected the Multi-channel processor (DEQ-P7050) to this unit. For details, refer to the Multi-channel processor (DEQ-P7050) owner's manual.

### Setting the time

This is used to set the time on the unit's clock display.

#### 1 Press F to select the CLOCK.

Press **F** until the time appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

#### 2 Select the portion of the time display you wish to set with ◀◀ or ▶▶.

Pressing ◀◀ or ▶▶ will select a portion of the clock display:

##### HOURL—MINUTE

As you select portions of the clock display the portion selected will blink.



- Pressing ◀ or ▶ on the head unit also performs the same operation.

#### 3 Select the correct time with ◀II or II▶.

Pressing ◀II will increase the selected hour or minute. Pressing II▶ will decrease the selected hour or minute.

- Pressing ▲ or ▼ on the head unit also performs the same operation.

### Setting the FM tuning step

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

**1 Press F to select FM.**

Press **F** repeatedly until **FM Step** appears in the display.


- Pressing **FUNCTION** on the head unit also performs the same operation.

**2 Select the FM tuning step with ◀◀ or ▶▶.**

Pressing ◀◀ or ▶▶ will switch the FM tuning step between 50 kHz and 100 kHz. The selected FM tuning step will appear in the display.

- Pressing ◀ or ▶ on the head unit also performs the same operation.

**Note**

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

**Setting the AM tuning step**


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

**1 Press F to select AM.**

Press **F** repeatedly until **AM Step** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

**2 Select the AM tuning step with ◀◀ or ▶▶.**

Pressing ◀◀ or ▶▶ will switch the AM tuning step between 9 kHz and 10 kHz. The selected AM tuning step will appear in the display. 

- Pressing ◀ or ▶ on the head unit also performs the same operation.

**Switching the warning tone**

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


**1 Press F to select WARN.**

Press **F** repeatedly until **Warning** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

**2 Select WARN on or off with II▶ or ◀II.**

Pressing II▶ or ◀II will switch **Warning** between on and off and that status will be displayed (e.g., **Warning :ON**).

- Pressing ▲ or ▼ on the head unit also performs the same operation. 

**Switching the auxiliary setting**

It is possible to use auxiliary equipment with this unit. Activate the auxiliary setting when using auxiliary equipment connected to this unit.

**1 Press F to select AUX.**

Press **F** repeatedly until **AUX** appears in the display.


- Pressing **FUNCTION** on the head unit also performs the same operation.



## Initial Settings

### 2 Select AUX on or off with **II▶** or **◀II**.

Pressing **II▶** or **◀II** will switch **AUX** between on and off and that status will be displayed (e.g., **AUX :ON**).

- Pressing **▲** or **▼** on the head unit also performs the same operation. 

## Switching the 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 switch dimmer on or off.


### 1 Press F to select DIM.

Press **F** repeatedly until **Dimmer** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

### 2 Select DIM on or off with **II▶** or **◀II**.

Pressing **II▶** or **◀II** will switch **Dimmer** between on and off and that status will be displayed (e.g., **Dimmer :ON**).

- Pressing **▲** or **▼** on the head unit also performs the same operation. 

## Selecting the brightness


You can select the display brightness. Initially this mode is set to 12.

### 1 Press F to select BRIGHT.

Press **F** repeatedly until **Brightness** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

### 2 Select the desired brightness with **II▶** or **◀II**.

- The display shows **0 – 15**.
- Pressing **▲** or **▼** on the head unit also performs the same operation. 

## Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads output) can be used for full-range speaker (**Rear SP:FULL**) or subwoofer (**Rear SP:S.W**) connection. If you switch rear output setting to the **Rear SP:S.W**, you can connect a rear speaker lead directly to a subwoofer without using an auxiliary amp.

Initially, the unit is set for rear full-range speaker connection (**Rear SP:FULL**).

When rear output are connected to full range speakers (when **Rear SP:FULL** is selected), you can connect the RCA subwoofer output to a subwoofer. In this case, you can select whether to use the subwoofer controller's (low pass filter, phase) built-in **S.W Control:INT** or the auxiliary **S.W Control:EXT**.



### Notes

- Even if you change this setting, there is no output unless you switch the non fading output (refer to page 60) or subwoofer output (refer to page 59) in the audio menu on.
- If you change the subwoofer controller, subwoofer output and non fading output in the audio menu return to the factory settings.
- Both rear speaker leads output and RCA rear output are switched simultaneously in this setting mode.

**1 Press F to select SW.**

Press **F** repeatedly until **Rear SP** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

**2 Change the rear output setting with **II** or **◀II**.**

Pressing **II** or **◀II** will switch between **Rear SP :FULL** (full-range speaker) and **Rear SP :S.W** (subwoofer) and that status will be displayed.


- Pressing **▲** or **▼** on the head unit also performs the same operation.

**Notes**

- When no subwoofer is connected to the rear output, select **Rear SP:FULL**.
- When a subwoofer is connected to the rear output, set for subwoofer **Rear SP:S.W**.
- When the rear output setting is **Rear SP:S.W**, you cannot change the subwoofer controller.

**3 Change the subwoofer controller with **◀◀** or **▶▶**.**

Pressing **◀◀** or **▶▶** will switch between **S.W Control :INT** and **S.W Control :EXT** and that status will be displayed.

- Pressing **◀** or **▶** on the head unit also performs the same operation. 

**Switching the telephone muting/attenuation**

Sound from this system is muted or attenuated automatically when a call is made or received using a cellular telephone connected to this product.


**1 Press F to select TEL.**

Press **F** repeatedly until **Telephone** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

**2 Switch the telephone muting/attenuation with **◀◀** or **▶▶**.**

Pressing **◀◀** or **▶▶** will switch **Telephone :ATT** (attenuation) and **Telephone :MUTE** (muting) and that status will be displayed.

- Pressing **◀** or **▶** on the head unit also performs the same operation. 

**Switching the automatic disc playback**

You can select the mode between automatic playback and manual playback when you insert a disc into the disc loading slot. When the function is on, the disc will be automatically played after it is inserted into the disc loading slot. Initially, this function is set to on.


**1 Press F to select DVD.**

Press **F** repeatedly until **AUTO PLAY** appears in the display.

- Pressing **FUNCTION** on the head unit also performs the same operation.

**2 Switch the automatic/manual disc playback by pressing **II** or **◀II**.**

Pressing **II** or **◀II** will switch between **AUTO PLAY :ON** (automatic playback) , **AUTO PLAY :OFF** (manual playback) and that status will be displayed.

- Pressing **▲** or **▼** on the head unit also performs the same operation. 

## Other Functions

### Setting the time display on or off

You can display the clock on each sound source display.


#### Press **CLOCK** on the head unit to select the time display.

Each press of **CLOCK** on the head unit turns time display on or off.

- The time display disappears temporarily when you perform other operations, but the time indication is displayed again after 6 seconds.



#### Note

- Even when the sources and the feature demo are off, the time appears on the display. Pressing **CLOCK** on the head unit switches the time display on/off. 

### Using different entertainment displays

You can enjoy entertainment displays while listening to each sound source.

#### Press **ENTERTAINMENT** on the head unit.

Each time you press **ENTERTAINMENT** on the head unit the display changes in the following order:

**SOURCE ICON DISPLAY—BGV 1—BGV 2—BGV 3—BGV 4—LEVEL INDICATOR 1—LEVEL INDICATOR 2—MOVIE SCREEN 1—MOVIE SCREEN 2—ENTERTAINMENT CLOCK**

- BGV stands for Back Ground Visual. 

### Using the AUX source

An IP-BUS-RCA Interconnector such as the CD-RB20 or CD-RB10 (sold separately) lets you connect this unit to auxiliary equipment featuring RCA output. For more details, refer to the IP-BUS-RCA Interconnector owner's manual.

### Selecting AUX as the source

#### Press **SOURCE** to select AUX as the source.

Press **SOURCE** until **AUX** appears in the display.

- If the auxiliary setting is not switched on, **AUX** cannot be selected. For more details, see *Switching the auxiliary setting* on page 72.
- Pressing **SOURCE** on the head unit also performs the same operation.

### Setting the AUX title

The title displayed for the **AUX** source can be changed.

#### 1 After you have selected **AUX** as the source, press **F** and hold until **TITLE** appears in the display.

- Pressing and holding **FUNCTION** on the head unit also performs the same operation.

#### 2 Press 1 numbered button to select the desired character type.

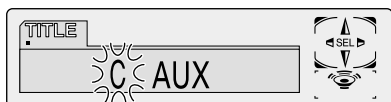
Press 1 numbered button repeatedly to switch between the following character type:

**Alphabet** (Upper case), **Numbers** and **Symbols—Alphabet** (Lower case)

- You can select to input Numbers and Symbols by pressing 2 numbered button.

### 3 Press **II▶** or **◀II** to select a letter of the alphabet.

Each press of **II▶** will display a letter of the alphabet in **A B C ... X Y Z**, numbers and symbols in **1 2 3 ... @ # <** order. Each press of **◀II** will display a letter in the reverse order, such as **Z Y X ... C B A** order.



- Pressing **▲** or **▼** on the head unit also performs the same operation.

### 4 Press **▶▶** to move the cursor to the next character position.

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

- Pressing **◀** or **▶** on the head unit also performs the same operation.

### 5 Move the cursor to the last position by pressing **▶▶** after entering the title.

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

- Pressing **▶** on the head unit also performs the same operation.

### 6 Press **BAND/ESC** to return to the playback display.

## Using the telephone muting/attenuation

### Telephone muting/attenuation function

Sound from this system is muted or attenuated automatically when a call is made or received using a cellular telephone connected to this product.

- The sound is turned off, **MUTE** or **ATT** is displayed and no audio adjustment is possible.
- Operation returns to normal when the phone connection is ended.

## Displaying built-in player information

You can display the information concerning the built-in player digital output setting.

### Press **DISPLAY** on the head unit.

Press **DISPLAY** on the head unit repeatedly to switch between the following settings:

**PLAYBACK MODE A** (play time)—**PLAYBACK MODE B** (play time and digital output setting information)




- You can only switch to **PLAYBACK MODE B** when a Pioneer Multi-channel processor (DEQ-P7050) is connected. If of the digital output is set to LPCM, nothing will be displayed on the display.

- When a Video CD is playing on the built-in player, **PLAYBACK MODE B** will be skipped.

## Additional Information

### Compatible with DVD, Video CD and CD Formats

DVD, Video CD and CD discs that display the logos shown below can be played back on this product. For more information on discs compatible with this product, refer to the table below.

Disc types and logos	Diameter/Playable sides	Playback time
	DVD VIDEO 12 cm (5 in.)/single-sided 1 layer 2 layer 12 cm (5 in.)/double-sided 1 layer 2 layer DVD VIDEO 8 cm (3 in.)/single-sided 1 layer 2 layer 8 cm (3 in.)/double-sided 1 layer 2 layer	Digital audio/Digital video (MPEG 2)  133 min. 242 min.  266 min. 484 min. Digital audio/Digital video (MPEG 2)  41 min. 75 min.  82 min. 150 min.
	VIDEO CD 12 cm (5 in.)/single-sided VIDEO CD single 8 cm (3 in.)/single-sided	Digital audio/Digital video (MPEG 1) Max. 74 minutes Digital audio/Digital video (MPEG 1) Max. 20 minutes
	CD 12 cm (5 in.)/single-sided CD single 8 cm (3 in.)/single-sided	Digital audio Max. 74 minutes Digital audio Max. 20 minutes

The disc format logos shown above are found on disc labels or on disc jackets.

**Notes**

- With some DVD-Video discs, you may not be able to use certain functions.
- Playback of some DVD-Video discs may not be possible.
- With DVD-R/DVD-RW discs, only recordings made in the Video format (Video mode) can be played back. DVD-RW discs recorded in the Video Recording format (VR mode) cannot be played back.
- Even with DVD-R/DVD-RW discs featuring recordings made in the Video format (Video mode), playback may not be possible with this unit due to disc characteristics or scratches or dirt on the disc. Dirt or condensation on the lens inside this unit may also prevent playback.
- Playback of CD-R/CD-RW and DVD-R/DVD-RW discs that have not been finalized is not possible.
- Playback of discs recorded with a PC using the correct format is possible, but depending on the application software settings, environment and other factors, playback may not be possible. (For details, inquire at the store or dealer's where you purchased the application software.)
- Playback of CD-TEXT discs is possible, but display of titles and other information is not possible when you use the built-in player as a source.
- CD-Extra discs can be played back as music CDs.

**Precautions**

- Playback of DVD-Audio and CD-ROM discs is not possible. This player can only playback discs bearing the marks shown on page 77.
- DVDs that have incompatible region numbers (see pages 7 and 87) cannot be played on this product. The region number of the player can be found on the bottom of this product. The illustration below shows the regions and corresponding region numbers.



- Normal playback of CD-R/CD-RW discs other than those recorded with a music CD recorder may not be possible.
- Playback of music CD-R/CD-RW discs, even those recorded with a music CD recorder, may not be possible with this unit due to disc characteristics or scratches or dirt on the disc. Dirt or condensation on the lens inside this unit may also prevent playback.
- Titles and other text informations recorded on a CD-R/CD-RW discs can not be displayed by this unit.
- If you insert a CD-RW disc into this unit, time to playback will be longer than when you insert a conventional CD or CD-R disc.
- Read the precautions with the CD-R/CD-RW discs before using. ■

## Additional Information

### Care of discs

- This product is designed for use with conventional, fully circular discs only. Use of shaped discs are not recommended for this product.



- Check all discs before playing and discard cracked, scratched or warped discs.
- Wipe dirty or damp discs outward from the center with a soft cloth.



- Avoid touching the recorded (iridescent) surface when handling discs.
- Store discs in their cases when not in use.
- Keep discs out of direct sunlight and high temperatures.
- Do not affix labels or apply chemicals to discs.
- Condensation may collect inside the player when using the heater in cold weather, interfering with playback. Turn it off for an hour or so and wipe damp discs with a soft cloth.
- Road shocks may interrupt disc playback.
- Never insert anything other than discs. Do not attach a label or tape to a disc.
- The use of benzene, thinner, insecticide, or other volatile chemicals may damage the disc surface.



## Language code chart for DVD

Language (code)	Input code
Japanese (ja)	1001
English (en)	0514
French (fr)	0618
Spanish (es)	0519
German (de)	0405
Italian (it)	0920
Chinese (zh)	2608
Dutch (nl)	1412
Portuguese (pt)	1620
Swedish (sv)	1922
Russian (ru)	1821
Korean (ko)	1115
Greek (el)	0512
Afar (aa)	0101
Abkhazian (ab)	0102
Afrikaans (af)	0106
Amharic (am)	0113
Arabic (ar)	0118
Assamese (as)	0119
Aymara (ay)	0125
Azerbaijani (az)	0126
Bashkir (ba)	0201
Byelorussian (be)	0205
Bulgarian (bg)	0207
Bihari (bh)	0208
Bislama (bi)	0209
Bengali (bn)	0214
Tibetan (bo)	0215
Breton (br)	0218
Catalan (ca)	0301
Corsican (co)	0315
Czech (cs)	0319
Welsh (cy)	0325
Danish (da)	0401
Bhutani (dz)	0426
Esperanto (eo)	0515
Estonian (et)	0520
Basque (eu)	0521
Persian (fa)	0601
Finnish (fi)	0609
Fiji (fj)	0610
Faroese (fo)	0615
Frisian (fy)	0625
Irish (ga)	0701
Scots-Gaelic (gd)	0704
Galician (gl)	0712

Language (code)	Input code
Guarani (gn)	0714
Gujarati (gu)	0721
Hausa (ha)	0801
Hindi (hi)	0809
Croatian (hr)	0818
Hungarian (hu)	0821
Armenian (hy)	0825
Interlingua (ia)	0901
Interlingue (ie)	0905
Inupiak (ik)	0911
Indonesian (in)	0914
Icelandic (is)	0919
Hebrew (iw)	0923
Yiddish (ji)	1009
Javanese (jw)	1023
Georgian (ka)	1101
Kazakh (kk)	1111
Greenlandic (kl)	1112
Cambodian (km)	1113
Kannada (kn)	1114
Kashmiri (ks)	1119
Kurdish (ku)	1121
Kirghiz (ky)	1125
Latin (la)	1201
Lingala (ln)	1214
Laothian (lo)	1215
Lithuanian (lt)	1220
Latvian (lv)	1222
Malagasy (mg)	1307
Maori (mi)	1309
Macedonian (mk)	1311
Malayalam (ml)	1312
Mongolian (mn)	1314
Moldavian (mo)	1315
Marathi (mr)	1318
Malay (ms)	1319
Maltese (mt)	1320
Burmese (my)	1325
Nauru (na)	1401
Nepali (ne)	1405
Norwegian (no)	1415
Occitan (oc)	1503
Oromo (om)	1513
Oriya (or)	1518
Panjabi (pa)	1601
Polish (pl)	1612

Language (code)	Input code
Pashto, Pushto (ps)	1619
Quechua (qu)	1721
Rhaeto-Romance (rm)	1813
Kirundi (rn)	1814
Romanian (ro)	1815
Kinyarwanda (rw)	1823
Sanskrit (sa)	1901
Sindhi (sd)	1904
Sangho (sg)	1907
Serbo-Croatian (sh)	1908
Sinhalese (si)	1909
Slovak (sk)	1911
Slovenian (sl)	1912
Samoan (sm)	1913
Shona (sn)	1914
Somali (so)	1915
Albanian (sq)	1917
Serbian (sr)	1918
Siswati (ss)	1919
Sesotho (st)	1920
Sundanese (su)	1921
Swahili (sw)	1923
Tamil (ta)	2001
Telugu (te)	2005
Tajik (tg)	2007
Thai (th)	2008
Tigrinya (ti)	2009
Turkmen (tk)	2011
Tagalog (tl)	2012
Setswana (tn)	2014
Tonga (to)	2015
Turkish (tr)	2018
Tsonga (ts)	2019
Tatar (tt)	2020
Twi (tw)	2023
Ukrainian (uk)	2111
Urdu (ur)	2118
Uzbek (uz)	2126
Vietnamese (vi)	2209
Volapük (vo)	2215
Wolof (wo)	2315
Xhosa (xh)	2408
Yoruba (yo)	2515
Zulu (zu)	2621





## Additional Information

## Troubleshooting

### Common problems

ymptom	Cause	Remedy
Power doesn't switch ON. The unit doesn't operate.	Leads and connectors are incorrectly connected.	Confirm once more that all connections are correct. (See page 90 – 97.)
	A fuse has blown.	Fix the problem causing the blown fuse, and replace the old fuse with a new one of the same capacity. (See page 90.)
	Noise and other factors are causing the built-in micro-processor to operate incorrectly.	Turn the unit off and then on.
Operation with the remote control isn't possible.  The unit does not operate correctly even when the appropriate remote control buttons are pressed.	The remote control operation mode is incorrect.	Switch to the correct remote control mode. (See page 12.)
	The remote control code is incorrect.	Make sure the remote control code selection switch setting and code type setting are the same. (See page 70.)
	Battery power is low.	Load new batteries. (See page 16.)
	Some operations are prohibited with certain discs.	Check using another disc.
Playback is not possible.	The disc is dirty.	Clean the disc. (See page 79.)
	The loaded disc is a type this unit cannot play.	Check what type the disc is.
	Non compatible video system disc is loaded.	Change to a disc compatible to your video system.
There's no sound.	Connections are incorrect.	Check connections. (See page 90 – 97.)
	With some discs, 96 kHz output is prohibited.	Switch the output setting to 48 kHz. (See page 68.)
	The unit is performing still, slow motion or frame-by-frame playback.	There is no sound during still, slow motion or frame-by-frame playback.

## Common problems (continued)

Symptom	Cause	Remedy
There's no picture.	The parking brake cord is not connected.	Connect a parking brake cord, and apply the parking brake. (See page 90.)
	The parking brake is not applied.	Connect a parking brake cord, and apply the parking brake. (See page 90.)
The prohibited mark "⊘" is displayed, and operation is not possible.	The operation is prohibited for the disc.	This operation is not possible.
	The operation is not compatible with the disc's organization.	This operation is not possible.
The picture stops (pauses) and the unit cannot be operated.	Reading of data has become impossible during playback.	After pressing ■ once, start playback once more.
There's no sound. Volume level is low.	The volume level is low.	Raise the volume level.
	The attenuator is ON.	Switch the attenuator OFF.
There's audio and video skipping.	This unit is not firmly secured.	Secure this unit firmly.
The picture is stretched, the aspect is incorrect.	The aspect setting is incorrect for the display.	Select the appropriate setting for your display. (See page 67.)
Rear display picture disappears.	The source disc being listened to with the head unit has been ejected.	Before ejecting the disc, switch the source. This problem may occur when certain connection methods are used.
When the ignition switch is turned ON (or turned to ACC), the motor sounds.	This unit confirms whether a disc is loaded or not.	This is a normal operation.

## Additional Information

### Problems during DVD playback

Symptom	Cause	Remedy
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. (See pages 7, 78 and 87.)
A Parental Lock message is displayed and playback is not possible.	Parental lock is on.	Switch parental lock off or change the level. (See page 65.)
Parental Lock cannot be canceled.	The code number is incorrect.	Input the correct code number. (See page 65.)
	You have forgotten your code number.	Press <b>CLEAR</b> 10 times to cancel the code number. (See page 70.)
Dialog language (and subtitle language) cannot be switched.	The DVD playing does not feature multiple language recordings.	You cannot switch among multiple languages if they aren't recorded on the disc.
	You can only switch between options indicated in the disc menu.	Switch using the disc menu.
No subtitles are displayed.	The DVD playing does not feature subtitles.	Subtitles are not displayed if they are not recorded on the disc.
	You can only switch between options indicated in the disc menu.	Switch using the disc menu.

## Problems during DVD playback (continued)

Symptom	Cause	Remedy
Playback is not with the audio language and subtitle language settings selected in <b>SET UP MENU</b> .	The DVD playing does not feature dialog or subtitles in the language selected in the <b>SET UP MENU</b> .	Switching to a selected language is not possible if the language selected in the <b>SET UP MENU</b> is not recorded on the disc.
Switching the viewing angle is not possible.	The DVD playing does not feature scenes shot from multiple angles.	You cannot switch between multiple angles if the DVD does not feature scenes recorded from multiple angles.
	You are trying to switch to multiple angle viewing of a scene that is not recorded from multiple angles.	Switch between multiple angles when watching scenes recorded from multiple angles.
The picture is extremely unclear/distorted and dark during playback.	The disc features a signal to prohibit copying. (Some discs may have this.)	Since this unit is compatible with the copy guard analog copy protect system, when playing a disc that has a signal prohibiting copying, the picture may suffer from horizontal stripes or other imperfections when viewed on some displays. This does not mean this unit is malfunctioning.

## Problems during Video CD playback

Symptom	Cause	Remedy
The PBC (Playback Control) menu display cannot be called up.	The Video CD playing does not feature PBC.	This operation is not possible with Video CDs not featuring PBC.
	PBC is switched OFF.	Switch PBC ON. (See pages 33 and 35.)
Repeat play and track/time search are not possible.	PBC is switched ON.	Switch PBC OFF. (See pages 33 and 35.)



## Additional Information

### Error messages

When problems occur with disc playback, an error message appears on the display. Refer to the table below to identify the problem, then take the suggested corrective action. If the error persists, contact your dealer or your nearest PIONEER Service Center.

#### Error messages on the OEL display

Message	Cause	Action
<b>ERROR-11, 12, 17, 30</b>	Dirty disc	Clean disc.
<b>ERROR-11, 12, 17, 30</b>	Scratched disc	Replace disc.
<b>ERROR-14</b>	Blank disc	Check the disc.
<b>ERROR-10, 11, 12, 14, 17, 30, A0</b>	Electrical or mechanical	Turn the ignition ON and OFF, or switch to a different source, then back to the built-in player.
<b>ERROR-44</b>	All tracks are skip tracks.	Replace disc.

### Error messages on the display

Message	Cause	Action
<b>ERROR-02</b>	The disc is dirty.	Wipe the disc clean. (See page 79.)
	The disc is scratched.	If the disc is scratched, replace it with another. (See page 79.)
<b>THERMAL PROTECTION IN MOTION</b>	The temperature of this unit is outside of the normal operating range.	Wait until the unit's temperature returns to within normal operating limits.
<b>DIFFERENT REGION DISC</b>	The disc does not have the same region number as this unit.	Replace the DVD with one bearing the correct region number.
<b>NON-PLAYABLE DISC</b>	This type of disc (CD-ROM etc.) cannot be played by this unit.	Replace the disc with one this unit can play. (See page 77.)
	The disc is loaded upside down.	Check that the disc is loaded correctly.



## Terms of DVD/Video CD

### Aspect Ratio

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

### Chapter

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

### Dolby Digital



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

To enjoy Dolby Digital entertainment, you must connect this unit's optical digital output jacks to the optical digital input jacks of a Dolby Digital compatible amp.

### DTS



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

To enjoy discs featuring DTS audio recording, you must connect this unit's optical digital output jacks to the optical digital input jacks of a DTS compatible amp or decoder.

### Linear PCM (LPCM)

This stands for Linear Pulse Code Modulation, which is the signal recording system used for music CDs. Compared to music CDs, which feature 44.1 kHz/16-bit recordings, DVDs feature 48 kHz/16-bit – 96 kHz/24-bit recordings. The result is sound quality even higher than that provided by music CDs.

### MPEG

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

### Multi-Angle

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

## Additional Information

### Multi-Audio (Multilingual Dialog)

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

### Multi-Subtitle

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

### Optical Digital Output

By transmitting the audio signal as a digital signal, it's possible to minimize any loss of sound quality. Optical digital output refers to the transmission (output) of a digital audio signal via optical cable. (The amp or other component on the reception side must have optical digital inputs.)

### Parental Lock

Some DVDs with violent or adult-oriented scenes feature parental lock which prevents children from viewing such scenes. With this kind of disc, if you set this unit's parental lock level, playback of scenes inappropriate for children will not be possible, or these scenes will be skipped.


### Playback Control (PBC)

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

### Region Number

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

### Title

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



## Notes

- This unit is for vehicles with a 12-volt battery and negative grounding. Before installing it in a recreational vehicle, truck, or bus, check the battery voltage.
- To avoid shorts in the electrical system, be sure to disconnect the ⊖ battery cable before beginning installation.
- Refer to the owner's manual for details on connecting the power amp and other units, then make connections correctly.
- Secure the wiring with cable clamps or adhesive tape. To protect the wiring, wrap adhesive tape around them where they lie against metal parts.
- Route and secure all wiring so it cannot touch any moving parts, such as the gear shift, handbrake, and seat rails. Do not route wiring in places that get hot, such as near the heater outlet. If the insulation of the wiring melts or gets torn, there is a danger of the wiring short-circuiting to the vehicle body.
- Don't pass the yellow lead through a hole into the engine compartment to connect to the battery. This will damage the lead insulation and cause a very dangerous short.
- Do not shorten any leads. If you do, the protection circuit may fail to work when it should.
- Never feed power to other equipment by cutting the insulation of the power supply lead of the unit and tapping into the lead. The current capacity of the lead will be exceeded, causing overheating.
- When replacing fuse, be sure to use only fuse of the rating prescribed on this unit.
- Since a unique BPTL circuit is employed, never wire so the speaker leads are directly grounded or the left and right ⊖ speaker leads are common.
- Speakers connected to this unit must be high-power types with minimum rating of 50 W and impedance of 4 to 8 ohms. Connecting speakers with output and/or impedance values other than those noted here may result in the speakers catching fire, emitting smoke, or becoming damaged.
- When this product's source is switched ON, a control signal is output through the blue/white lead. Connect to an external power amp's system remote control or the car's Auto-antenna relay control terminal (max. 300 mA 12 V DC). If the car features a glass antenna, connect to the antenna booster power supply terminal.
- When an external power amp is being used with this system, be sure not to connect the blue/white lead to the amp's power terminal. Likewise, do not connect the blue/white lead to the power terminal of the auto-antenna. Such connection could cause excessive current drain and malfunction.
- To avoid short-circuiting, cover the disconnected lead with insulating tape. Especially, insulate the unused speaker leads without fail. There is a possibility of short-circuiting if the leads are not insulated.
- To prevent incorrect connection, the input side of the IP-BUS connector is blue, and the output side is black. Connect the connectors of the same colors correctly.

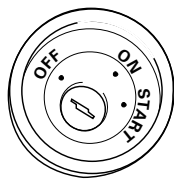


## Connecting the units

- **This unit can not be installed in a vehicle that does not have an ACC (accessory) position on the ignition switch.**



ACC position

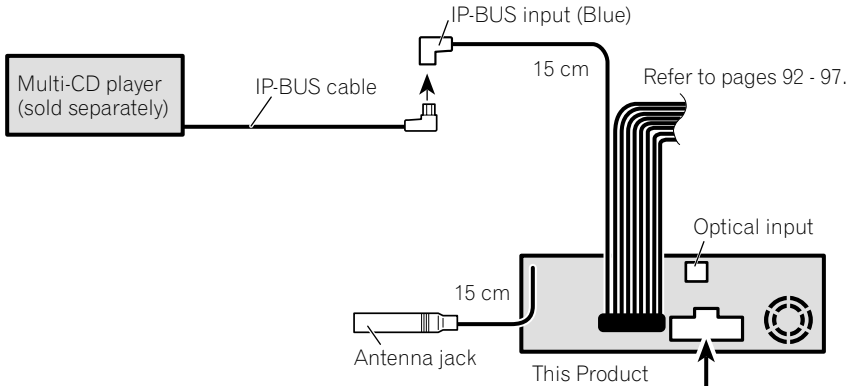


No ACC position

- The black lead is ground. Please ground this lead separately from the ground of high-current products such as power amps. If you ground the products together and the ground becomes detached, there is a risk of damage to the products or fire.

- Cords for this product and those for other products may be different colors even if they have the same function. When connecting this product to another product, refer to the supplied Installation manuals of both products and connect cords that have the same function.

## Power cable connection



When you connect separately sold Multi-channel processor (DEQ-P7050) to this unit, do not connect anything to the speaker leads and system remote control (blue/white).

## Yellow/black

If you use a cellular telephone, connect it via the Audio Mute lead on the cellular telephone. If not, keep the Audio Mute lead free of any connections.

## Yellow

To terminal always supplied with power regardless of ignition switch position.

Fuse holder

## Orange/white

To lighting switch terminal.

Fuse resistor

## Red

To electric terminal controlled by ignition switch (12 V DC) ON/OFF.

Fuse resistor

## Black (ground)

To vehicle (metal) body.

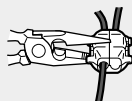
Fuse holder

## Connecting the units

### Connection method



1. Clamp the switch power supply side lead for the parking brake.



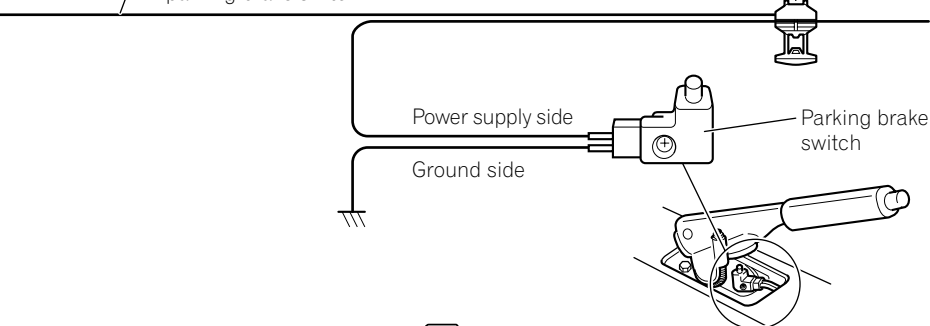
2. Clamp firmly with needle-nosed pliers.

### Note

- The position of the parking brake switch depends on the vehicle model. For details, consult the vehicle Owner's Manual or dealer.

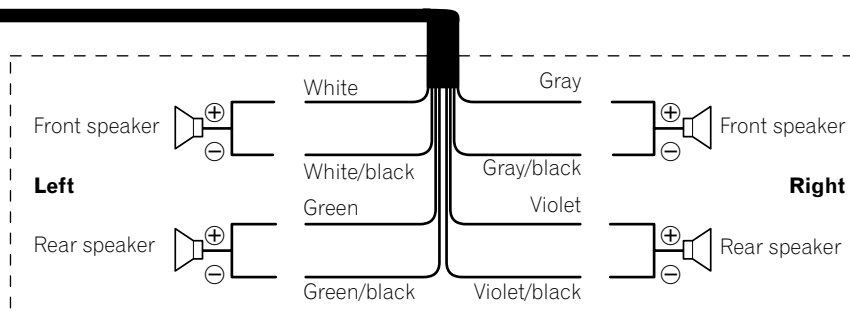
Light green

Used to detect the ON/OFF status of the parking brake. This lead must be connected to the power supply side of the parking brake switch.



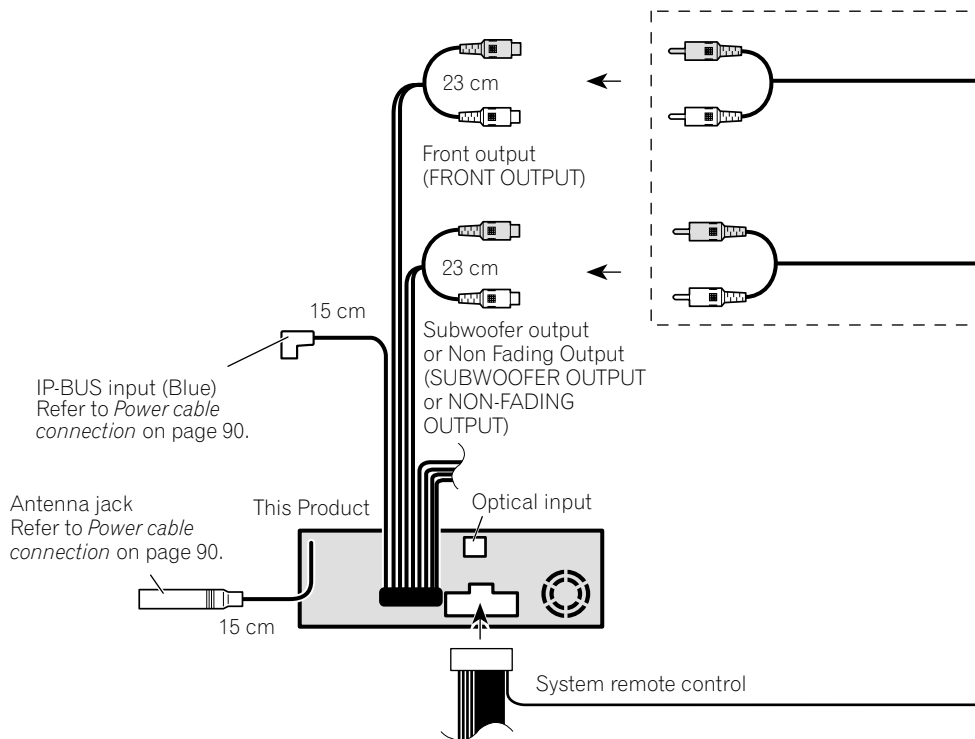
Blue/white

To system control terminal of the power amp or Auto-antenna relay control terminal (max. 300 mA 12 V DC).



With a 2 speaker system, do not connect anything to the speaker leads that are not connected to speakers.

## Connecting to separately sold power amp



When you connect separately sold Multi-channel processor (DEQ-P7050) to this unit, do not connect anything to the speaker leads and system remote control (blue/white).

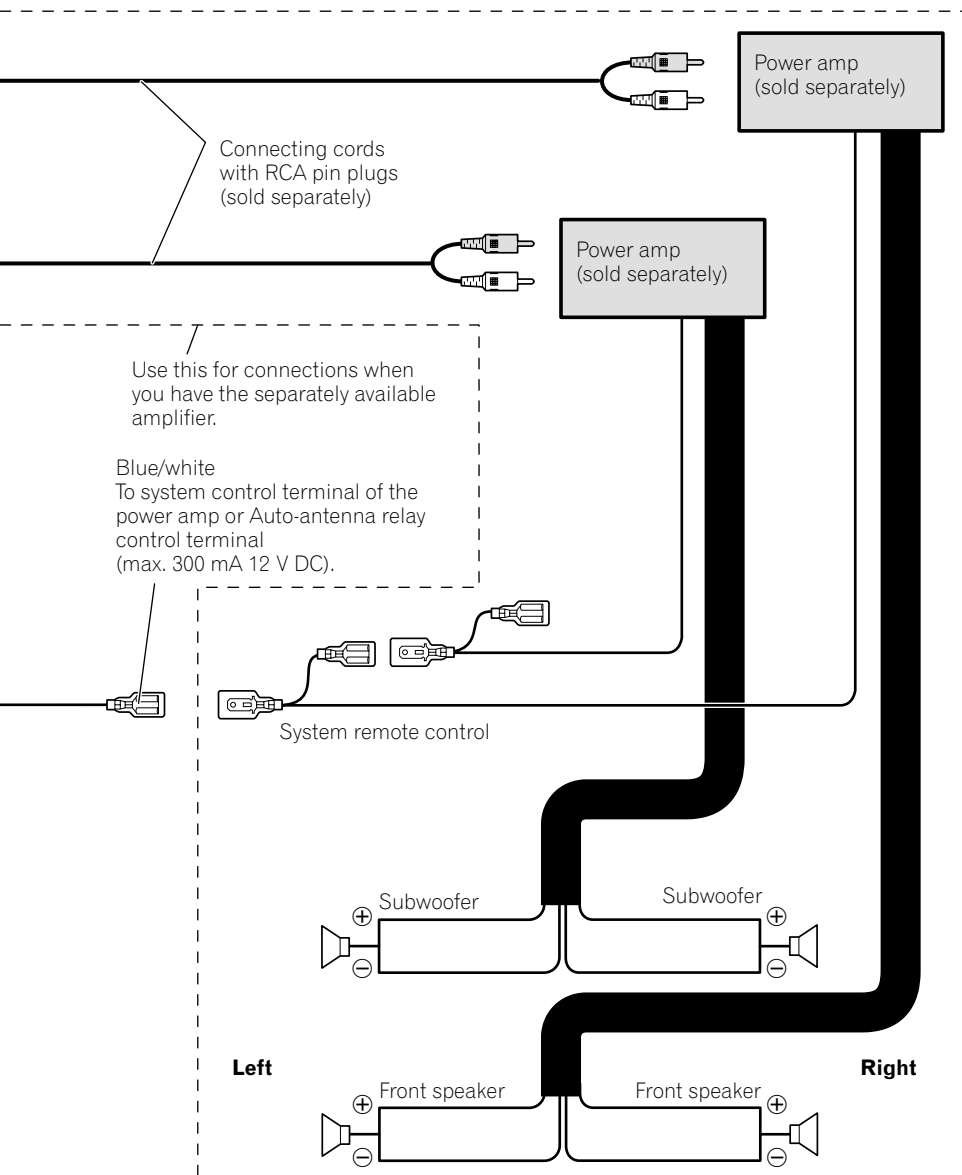
**Note**

When you connect to DEQ-P7050 to this unit, separately sold power amp must be connected to DEQ-P7050.

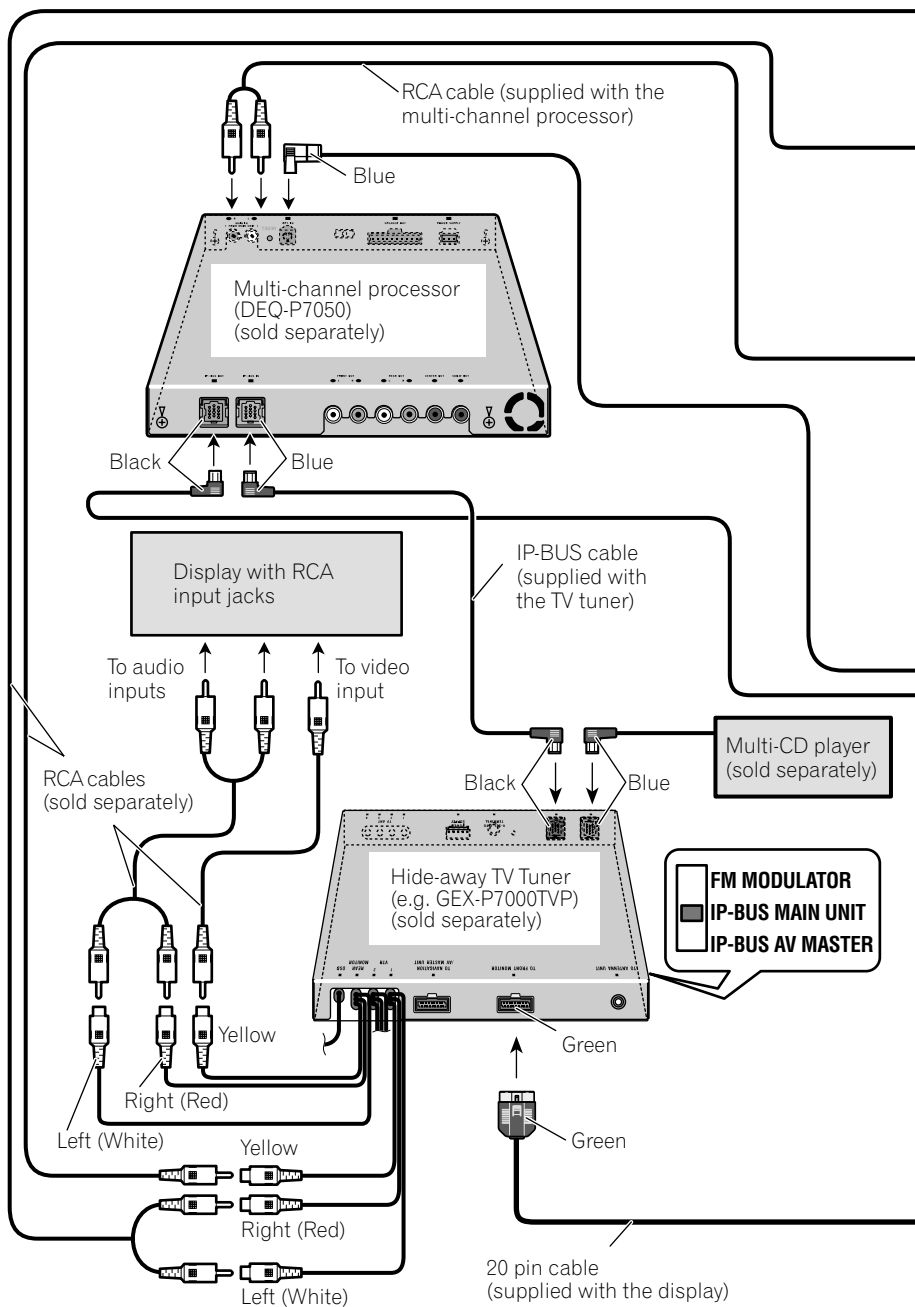
**Note**

Change the Initial Setting of this Product (refer to the Operation Manual). The subwoofer output of this unit is monaural.

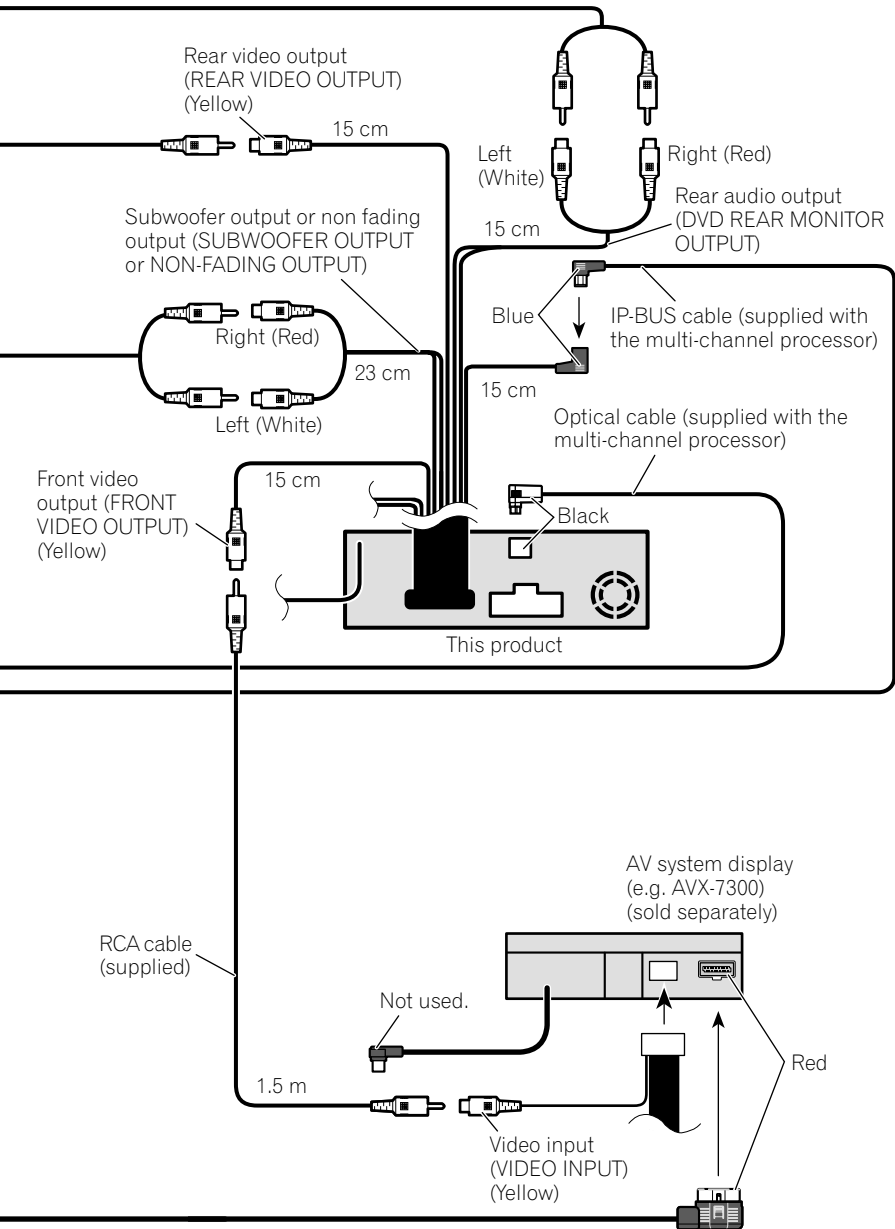
## Connecting the units

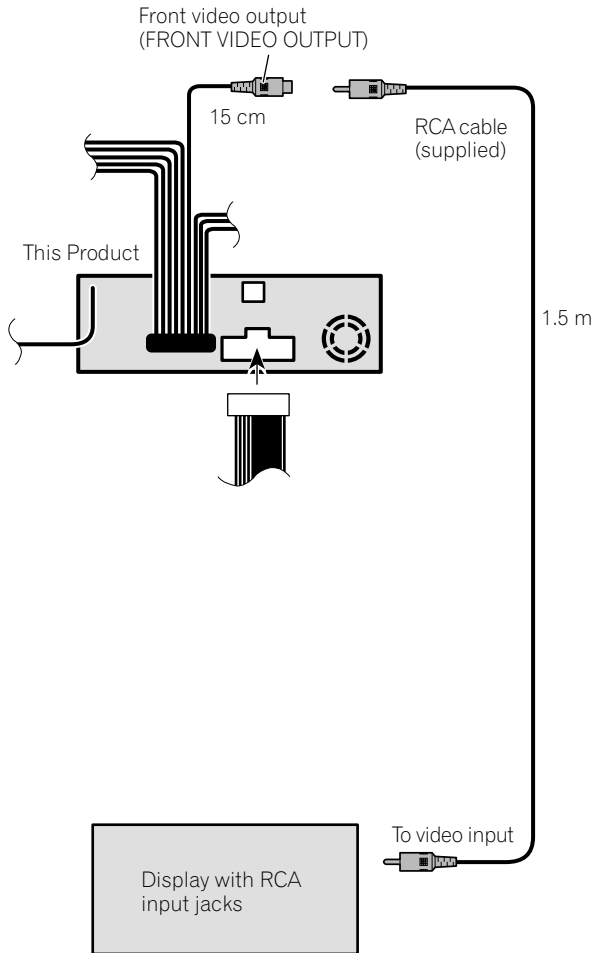


## When connecting with a Multi-channel processor



# Connecting the units



**When connecting the display with RCA input jack**



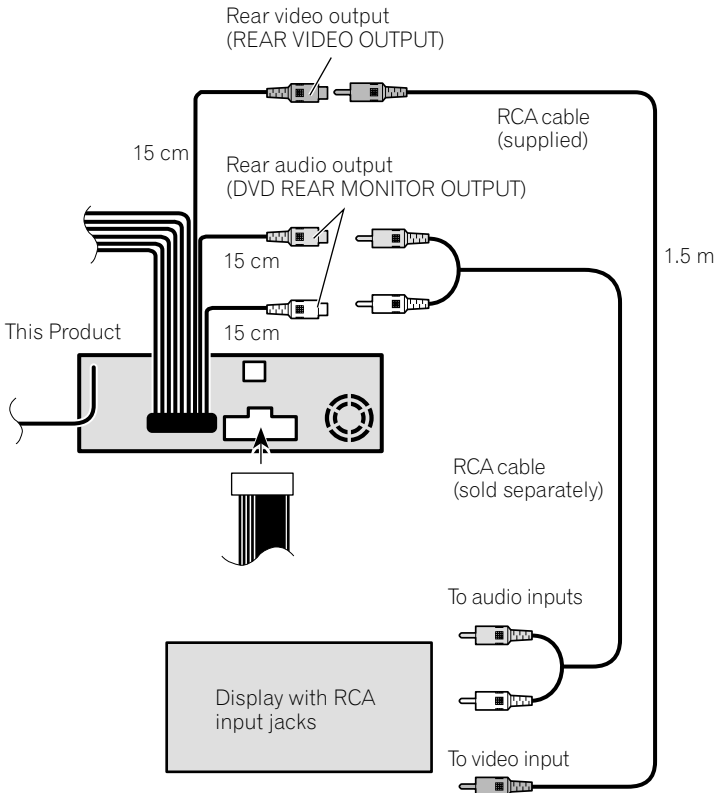
## Connecting the units

### When using a display connected to rear video output

This product's rear video output is for connection of a display to enable passengers in the rear seats to watch the DVD or Video CD.

#### **⚠ WARNING**

- NEVER install the display in a location that enables the Driver to watch the DVD or Video CD while Driving.
- NEVER connect rear audio output (DVD REAR MONITOR OUTPUT) to separately sold power amp.

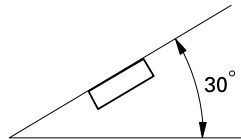




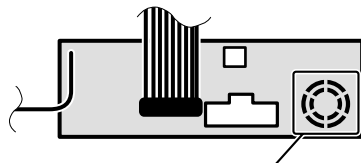
### Notes

- Before finally installing the unit, connect the wiring temporarily, making sure it is all connected up properly, and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- The semiconductor laser will be damaged if it overheats, so don't install the unit anywhere hot — for instance, near a heater outlet.

- If installation angle exceeds 30° from horizontal, the unit might not give its optimum performance.



- The cords must not cover up the area shown in the figure below. This is necessary to allow the amplifiers to radiate freely.



Do not close this area.

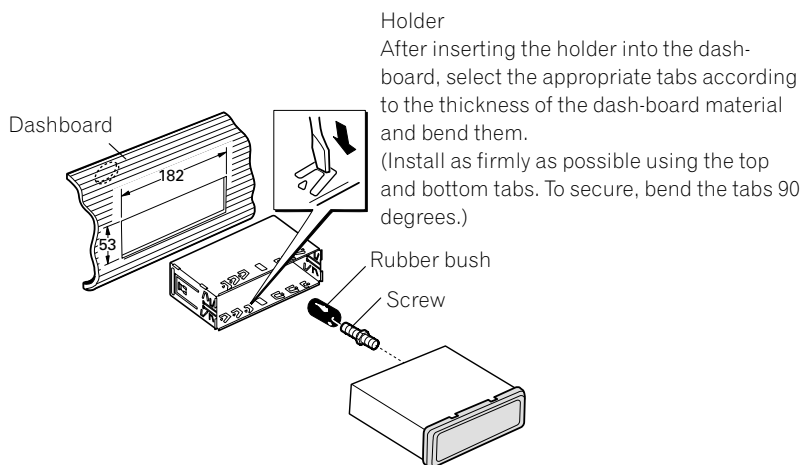
## DIN front/rear-mount

This unit can be properly installed either from "Front" (conventional DIN Front-mount) or "Rear" (DIN Rear-mount installation, utilizing threaded screw holes at the sides of unit chassis). For details, refer to the following illustrated installation methods.

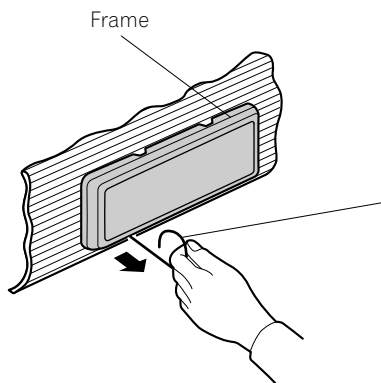
# Installation

## DIN front-mount

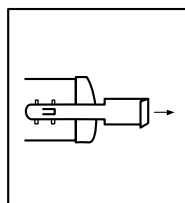
### Installation with the rubber bush



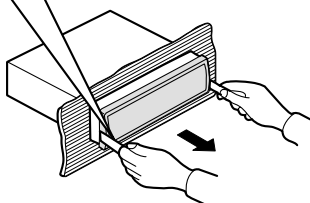
## Removing the unit



Insert the release pin into the hole in the bottom of the frame and pull out to remove the frame. (When reattaching the frame, point the side with a groove downwards and attach it.)



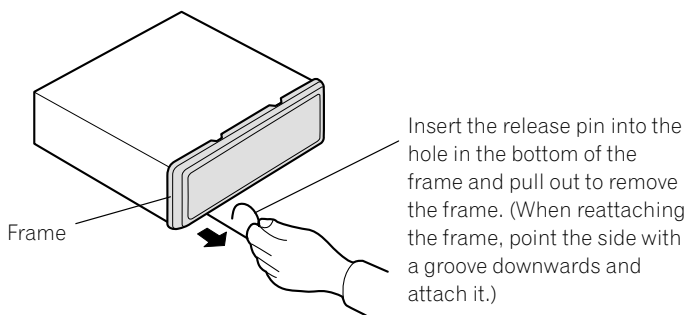
Insert the supplied extraction keys into the unit, as shown in the figure, until they click into place. Keeping the keys pressed against the sides of the unit, pull the unit out.



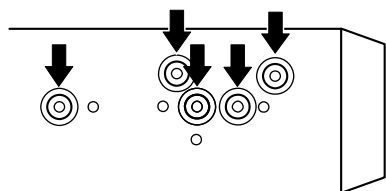
## DIN rear-mount

### Installation using the screw holes on the side of the unit

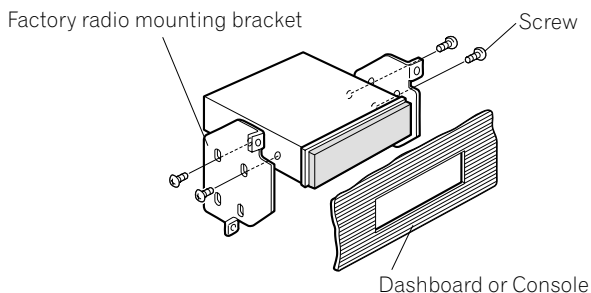
#### 1 Remove the frame.



#### 2 Fastening the unit to the factory radio mounting bracket.



Select a position where the screw holes of the bracket and the screw holes of the head unit become aligned (are fitted), and tighten the screws at 2 places on each side. Use either truss screws (5 × 8 mm) or flush surface screws (5 × 9 mm), depending on the shape of the screw holes in the bracket.



## Specifications

### General

Power source .....	14.4 V DC (10.8 – 15.1 V allowable)
Grounding system .....	Negative type
Max. current consumption .....	10.0 A
Dimensions (W × H × D):	
(DIN) Chassis .....	178 × 50 × 161 mm
Nose .....	188 × 58 × 22 mm
(D) Chassis .....	178 × 50 × 166 mm
Nose .....	170 × 46 × 17 mm
Weight .....	1.6 kg

### Audio

Continuous power output is 22 W per channel min. into 4 ohms, both channels driven 50 to 15,000 Hz with no more than 5% THD.

Maximum power output ..... 50 W × 4  
for subwoofer (70 W × 1 ch/2 Ω)

Load impedance ..... 4 Ω (4 – 8 Ω [2 Ω for 1 ch] allowable)

Preout max output level/output impedance ..... 4.0 V/1 kΩ

Equalizer (3-Band Parametric Equalizer):

(Low)

Frequency ..... 40/80/100/160 Hz

Q Factor ..... 0.35/0.59/0.95/1.15

(+6 dB when boosted)

Gain ..... ±12 dB

(Mid)

Frequency ..... 200/500/1 k/2 k Hz

Q Factor ..... 0.35/0.59/0.95/1.15

(+6 dB when boosted)

Gain ..... ±12 dB

(High)

Frequency ..... 3.15 k/8 k/10 k/12.5 k Hz

Q Factor ..... 0.35/0.59/0.95/1.15

(+6 dB when boosted)

Gain ..... ±12 dB

Loudness contour:

(Low) ..... +3.5 dB (100 Hz)

+3 dB (10 kHz)

(Mid) ..... +10 dB (100 Hz)

+6.5 dB (10 kHz)

(High) ..... +11 dB (100 Hz)

+11 dB (10 kHz)

(Volume: –30 dB)

Tone controls:

(Bass)

Frequency ..... 40/63/100/160 Hz

Gain ..... ±12 dB

(Treble)

Frequency ..... 2.5 k/4 k/6.3 k/10 k Hz

Gain ..... ±12 dB

HPF:

Frequency ..... 50/80/125 Hz

Slope ..... –12 dB/oct

Subwoofer:

Frequency ..... 50/80/125 Hz

Slope ..... –18 dB/oct

Gain ..... ±12 dB

Phase ..... Normal/Reverse

## Specifications

### DVD player

System .....	DVD-Video, Video CD, Compact disc audio system
Region Number	
for Southeast Asian models: 3	
for South American and Oceanian models: 4	
Usable discs .....	DVD-Video, Video CD, Compact disc
Signal format:	
Sampling frequency ...	44.1/48/96 kHz
Number of quantization bits .....	16/20/24; linear
Frequency response .....	5 – 44,000 Hz (with DVD, at Sampling frequency 96 kHz)
Signal-to-noise ratio .....	97 dB (1 kHz) (IEC-A network) (CD: 96 dB (1 kHz)) (IEC-A network))
Dynamic range .....	96 dB (1 kHz) (CD: 95 dB (1 kHz))
Distortion .....	0.008 % (1 kHz)
Output level:	
Video .....	1.0 V <sub>p-p</sub> /75 Ω (±0.2 V)
Audio .....	1.0 V (1 kHz, 0 dB)
Number of channels .....	2 (stereo)

### FM tuner

Frequency range .....	87.5 – 108 MHz
Usable sensitivity .....	10 dBf (0.9 μV/75 Ω, mono, S/N:30 dB)
50 dB quieting sensitivity ...	15 dBf (1.5 μV/75 Ω, mono)
Signal-to-noise ratio .....	70 dB (IEC-A network)
Distortion .....	0.3% (at 65 dBf, 1 kHz, stereo)
Frequency response .....	30 – 15,000 Hz (± 3 dB)
Stereo separation .....	40 dB (at 65 dBf, 1 kHz)

### AM tuner

Frequency range .....	530 – 1,640 kHz (10 kHz) 531 – 1,602 kHz (9 kHz)
Usable sensitivity .....	18 μV (S/N: 20 dB)
Selectivity .....	50 dB (± 10 kHz) 50 dB (± 9 kHz)

### Infrared Remote Control

Wavelength .....	940 nm ± 50 nm
Output .....	typ; 12 mw/sr per Infrared LED



#### Note

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



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