1. Before using the DVD player

This unit can output the high quality images and high quality digital sound of DVD videos. It is also possible to switch between different languages recorded on the DVD video (dubbing, subtitles, etc.), and with videos having several angles of the same scene recorded, the preferred angle can be selected and played.

### DVD video characteristics

**About multiple languages**

Some DVD discs have dialog recorded in several different languages. On these discs, the language can be switched during playback in the same way as multilingual TV broadcasts.

![DVD languages](image)

*This river, which runs through the center of the town is...*  
*Cette riviere, laquelle court au travers le centre de la ville est...*

**About multiple angles**

Some DVD discs have a single scene recorded from several different angles (multiple angle), and the preferred angle can be switched during playback.

* Depending on the disc, multiple angles may not be recorded.

![DVD angles](image)

*The angle of the image is changed.*

---

**Caution**

This unit includes copyright protection technology used in accordance with US patents and other intellectual property rights owned by Macrovision Corporation and other entities. Use of this copyright protected technology requires approval from Macrovision Corporation and the technology must not be used for audiovisual purposes aside from general household use without special approval from Macrovision Corporation. Modification and disassembly of this technology is prohibited.
About subtitles

Some DVD discs have subtitles recorded in several different languages, and the subtitles can be switched during playback. The video can also be played without any subtitles displayed.

About discs

About playable discs

This unit conforms to NTSC color television methods, so please use discs that display "NTSC" on the disc or package.

<table>
<thead>
<tr>
<th>Playable disc types and their marks</th>
<th>Size/playing surface</th>
<th>Maximum playing time</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="DVD Video" /></td>
<td>12cm/single-sided</td>
<td>&lt;MPEG2&gt; 133 min.</td>
</tr>
<tr>
<td><img src="image" alt="DVD Wide" /></td>
<td>single-layer</td>
<td>242 min.</td>
</tr>
<tr>
<td><img src="image" alt="DVD Video" /></td>
<td>double-layer</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="DVD Wide" /></td>
<td>12cm/double-sided</td>
<td>266 min.</td>
</tr>
<tr>
<td><img src="image" alt="DVD Wide" /></td>
<td>single-layer</td>
<td>484 min.</td>
</tr>
<tr>
<td><img src="image" alt="DVD Wide" /></td>
<td>double-layer</td>
<td></td>
</tr>
</tbody>
</table>
Before using the DVD player

About region codes
Some DVD discs display a (region code). This mark (a number) shows the geographical region where the disc can be played. This unit can only play discs with region codes "1" or "ALL". If you play discs with any region code other than those shown above, a "This disc cannot be played" message is displayed. It is possible that discs bearing no region code can not be played as a result of geographical restrictions.

About marks displayed on discs
The following marks may be displayed on a DVD disc or its package.

<table>
<thead>
<tr>
<th>Mark</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Voice Tracks" /></td>
<td>Shows the number of voice tracks.</td>
</tr>
<tr>
<td><img src="image" alt="Subtitle Languages" /></td>
<td>Shows the number of subtitle languages.</td>
</tr>
<tr>
<td><img src="image" alt="Film Angles" /></td>
<td>Shows the number of filmed angles.</td>
</tr>
</tbody>
</table>
| ![Aspect Ratios](image) | Shows available aspect ratios (television screen horizontal to vertical ratio).  
  ● "16 : 9" is widescreen, "4 : 3" is standard screen. |
| ![Region Code](image) | Shows the playable region code.  
  ● ALL indicates worldwide. A number indicates a specific region code. "1" is the region number for North America. |

Attention: Playing conditions are determined by the creator of the DVD/software. Some functions may not perform during operation because the unit is playing the disc according to content specifications intended by the software creator. Be sure to consult the explanatory material provided with the disc to be played.
About DVD disc structures

Videos and tracks recorded on a DVD are divided into many segments. Large segments are called "titles", and each title has a number ("title number"). Title segments are further divided into smaller segments called "chapters", and each chapter has a number ("chapter number").
How to operate the DVD player

Before using the DVD player

Operation flow

The section below describes the flow for functions such as operation and search of images and setting defaults for the DVD player.

<table>
<thead>
<tr>
<th>Insert a DVD disc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Played automatically</td>
</tr>
<tr>
<td>Not played automatically (The disc menu is displayed)</td>
</tr>
<tr>
<td>To display the disc menu</td>
</tr>
<tr>
<td>Operating the disc menu...see page 110.</td>
</tr>
<tr>
<td>To change the display of touch switches</td>
</tr>
<tr>
<td>Changing the display of switches...see page 113.</td>
</tr>
<tr>
<td>To operate the video</td>
</tr>
<tr>
<td>Operating the video...see page 108.</td>
</tr>
<tr>
<td>To search the video</td>
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<tr>
<td>Searching for a desired video...see page 111.</td>
</tr>
<tr>
<td>To switch the screen and language</td>
</tr>
<tr>
<td>Switching screen display/audio...see page 114.</td>
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<tr>
<td>To switch player settings</td>
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<tr>
<td>Setting the DVD player...see page 117.</td>
</tr>
<tr>
<td>To turn off the DVD</td>
</tr>
<tr>
<td>Turning off the DVD...see page 110.</td>
</tr>
</tbody>
</table>
2. How to use the DVD player

For safety reasons, DVDs can only be played when the ignition is switched to ON or ACC and the vehicle is completely stopped with the parking brake applied. (Only sound is output if a DVD is played while the car is in motion.)

Watching a DVD

Playback starts automatically when a DVD is inserted into the disc slot.

1. Press \[ \text{VOL} \] or touch the SOURCE MENU RECALL switch when a DVD has been inserted.

2. Touch \[ \text{DVD} \].
   - Playback will begin.
   - To display the operation switches (touch switches), press \[ \text{AUDIO} \] or touch the screen.

- Information for items such as touch switches will be displayed for about 6 seconds. Press \[ \text{AUDIO} \] or touch the screen to display again.
- Depending on the disc, automatic playback or playback may not function unless a menu recorded on the disc is selected. (See "Operating the disc menu" on page 110)
How to use the DVD player

Operating the video

Playing the video

1 Touch ➤ .

Fast-forwarding/rewinding

It is possible to fast-forward or rewind through the video being played.

Fast-forwarding/rewinding using the panel buttons

1 Press and hold ➤ or ◀ until you hear a beep.

- ➤ (up) : Fast-forward
- ◀ (down) : Rewind

If you hear a beep while rewinding (fast-forwarding), the deck has switched to the fast-forward (rewind) mode and will continue until you remove your finger from the button.

Fast-forwarding/rewinding using the touch switches

1 Touch ◀ or ➤ .

- If you hear a beep while rewinding (fast-forwarding), the deck has switched to the fast-forward (rewind) mode and will continue until you remove your finger from the switch.
Pausing the video

1 Touch ■ .
   • While paused (■ ■), briefly touch ■ ■ for slow motion playback.

Stopping the video

1 Touch ■ ■ .
How to use the DVD player

Operating the disc menu

It is possible to use the menu recorded on the disc.

1. Touch NEXT in the DVD operation screen.
2. Touch MENU or TOP MENU.
3. Touch ●.
4. Touch ▼, ▼, ◄, or ► to select the video you want to play.
5. Touch ENTER.

Turning off the DVD

1. Press ●.
   - Press ● again to resume playback (audio only).

Recorded menu items will differ by disc. The disc is played according to its content so all functions may not be available.
Searching for a desired chapter

It is possible to search for a particular video segment by title and chapter or by menu number (number for divided segments).

### Searching by chapter

1. Press ▶️ or ◀️.
   - ▶️ (up): Selects next chapter
   - ◀️ (down): Selects previous chapter

### Searching by title number

1. Touch SEARCH in the DVD operation screen.
   - The title number input screen will be displayed.

2. Enter the title number by touching −, +, -10, and +10.
   - Touch − or + to change the title number in steps of one.
   - Touch -10 or +10 to change the title number in steps of ten.

3. Touch ENTER.
How to use the DVD player

Searching by menu number

1 Touch \( \text{NEXT} \) in the DVD operation screen.

2 Touch \( \text{�} \).

3 Touch \( \text{NUMBER} \).
   - The menu number input screen will be displayed.

4 Enter the menu number by touching \( \text{�} \), \( \text{+} \), \(-10\), and \(+10\).
   - Touch \( \text{�} \) or \( \text{+} \) to change the menu number in steps of one.
   - Touch \(-10\) or \(+10\) to change the menu number in steps of ten.

5 Touch \( \text{ENTER} \).
Changing the touch switch display

Display of the touch switches can be changed or turned off.

**Turning off the touch switches**

1. Touch **OFF** in the DVD operation screen.
   - Press **AUDIO** or touch the screen to display the touch switches again.

**Changing the touch switch display locations**

1. Touch **NEXT** in the DVD operation screen.

2. Touch **.**

3. Touch **POSITION**.
   - The position of the touch switch will move up or down as you touch the screen.
How to use the DVD player

Switching screen display/audio

It is possible to change the language for subtitles and audio, as well as the display angle for the video being played.

Changing the angle

When several angles of a scene are recorded on a disc, the angle can be switched.

1. Touch NEXT in the DVD operation screen.

2. Touch ANGLE when the multiple angle mark is displayed.
   - The angle number will be displayed.

3. Touch ANGLE.
   - The angle number will change and the angle of the video will be switched.

Each time ANGLE is touched, the angle will change in order from among the angles recorded on the disc.
When subtitles in several languages are recorded on a disc, the subtitles can be switched.

1. Touch \[\text{NEXT}\] in the DVD operation screen.

2. Touch \[\text{SUB TITLE}\].
   - The subtitle number will be displayed.

3. Touch \[\text{SUB TITLE}\].
   - The subtitle number will switch and the subtitle language will change.

- Each time \[\text{SUB TITLE}\] is touched, the subtitle language will change in order from among the subtitles recorded on the disc.
- Depending on the disc, it may only be possible to change subtitles in the top menu.
How to use the DVD player

Switching dubbed audio language

If several audio languages are recorded on a disc, the languages can be switched.

1. Touch NEXT in the DVD operation screen.

2. Touch AUDIO.
   ● The audio number and language will be displayed.

3. Touch AUDIO.
   ● The audio number will change and the audio language will be switched.

Each time AUDIO is touched, the audio language will change in order from among the languages recorded on the disc.

Language 1 → Language 2 → Language...

● Depending on the disc, it may only be possible to change audio languages in the top menu.

● The dts format is not supported by this deck, so no audio will be emitted if "dts audio" is selected on a disc that enables it. In this case, select "Dolby Digital audio", which should also be recorded on the DVD video.

● dts is a registered trademark of the US company Digital Theater Systems, Inc.
### Setting the DVD player

The language preferences for voices, subtitles and menu display used during DVD playback can be set in advance. Optional display of the multiple angle mark, viewer restriction and other functions can also be set.

1. Touch NEXT in the DVD operation screen.

2. Touch SET.

3. Touch SETUP.
   - The SET UP screen will be displayed.

4. Touch the appropriate touch switch to progress to the next page and perform settings.
How to operate the DVD player

How to use the DVD player

How to operate the DVD player

The preferred language for video playback can be selected.

1. Touch [AUDIO LANGUAGE] in the SETUP screen.

2. Touch the preferred language.
   - Touch [OTHER] to set a language other than those displayed on the screen.

Setting the audio language

The preferred language for video playback can be selected.

1. Touch [OTHER] in the AUDIO LANGUAGE setting screen.

2. Input a language code.
   - For language codes see “Table of language codes” on page 125.

3. Touch [ENTER].

Input a code

After changing settings in the SETUP screen, the DVD will stop if you press one of the buttons that switches screens (AUDIO or VOL) without touching [ENTER]. Touch [ENTER] in the operation screen to start playback again. (See page 108)
Subtitle language settings

The preferred subtitles for the video playback can be selected.

1 Touch **SUB TITLE** in the SET UP screen.

2 Touch the preferred language.
   - Touch **OTHER** to set a language other than those displayed on the screen.

---

Input a code

1 Touch **OTHER** in the SUB TITLE setting screen.

2 Input a language code.
   - For language codes see "Table of language codes" on page 125.

3 Touch **ENTER**.

---

**ATTENTION** Language switching cannot be performed if the selected language is not recorded on the disc.
How to use the DVD player

Menu language settings
Allows selection of a preferred menu language from those recorded on the disc.

1 Touch **MENU LANGUAGE** in the SETUP screen.

2 Touch the preferred language.
   - Touch **OTHER** to set a language other than those displayed on the screen.

Input a code

1 Touch **OTHER** in the MENU LANGUAGE setting screen.

2 Input a language code.
   - For language codes see "Table of language codes" on page 125.

3 Touch **ENTER**.

Language switching cannot be performed if the selected language is not recorded on the disc.
**Setting the display of the multi-angle mark (angle selection mark)**

The multi-angle mark can be set to display or not display during video playback.

1. Touch **ANGLE INDICATOR** in the SETUP screen.
   - Touching the switch switches between "ON" and "OFF" mode.

2. Touch **ENTER**.

---

**ATTENTION**

Setting the multi-angle mark display to "ON" will display the multi-angle mark in the upper right corner of the screen when multiple angles are available on the disc.
How to use the DVD player

Viewer restriction settings

This function allows a viewing restriction to be set so that discs with adult content or violence will not be available to children. The viewer restriction can be set at different levels to match restriction ratings.

1. Touch PARENTAL SETTING in the SETUP screen.

2. Enter a pass code by touching one number at a time.

3. Touch ENTER.

4. Touch the preferred restriction level.

5. Touch ENTER.

- Viewer restriction cannot be set for discs that do not have a viewer restriction level recorded.
- Be sure to enter a pass code number. If a number is not entered, it is will not be possible to set the viewer restriction.
- The pin code shown in the upper section will be displayed as [----] when a pin code has not yet been set.
- Once the pass code has been set, the pass code will be required for subsequent use of this function. Do not forget the pass code. If you forget your pass code, the default setting (no pass code set) can be restored by touching CLEAR 10 times.
- Viewer restriction levels are classified in 3 types.
  - Level 1 . . . . . . . Plays only DVD software intended for children. (Playing of DVD software intended for general audiences or adult audiences is prohibited.)
  - Levels 2 - 7 . . . Plays only DVD software intended for children or general audiences. (Playing of DVD software intended for adult audiences is prohibited.)
  - Level 8 . . . . . . . Plays all DVD software. (Factory setting)
1 Touch **VIDEO OUT** in the SETUP screen.

- Each time the switch is touched, the screen size changes in the order shown below.

16 : 9  ➔  4 : 3  ➔  LETTER BOX  ➔  PAN & SCAN  ➔  4 : 3

- **16 : 9**
  The video is displayed at normal width. DVD software recorded in 4 : 3 size will be displayed with black left and right edges or will be expanded to the left and right.

- **4 : 3 (letter box)**
  The video is displayed with black upper and lower edges. DVD software recorded in 4 : 3 size will be displayed exactly at screen size (4 : 3).

- **4 : 3 (pan & scan)**
  The video is displayed with the right and left edges cut off. DVD software recorded in 4 : 3 size will be displayed exactly at screen size (4 : 3).

2 Touch **ENTER**.

When another monitor such as a rear seat monitor is being used, the size of the video being displayed in the rear seat monitor will differ according to the video output size set at the deck (front).

Viewing images with a wide screen privately poses no problem legally. However, if the images are compressed or expanded for public or commercial viewing purposes, this action may infringe upon the rights of the creators of those images which are protected by applicable copyright laws. Please exercise caution.
How to use the DVD player

Setting DVD individual monitor playback

When an optional rear monitor is connected, the screen of the device can be switched to AUDIO SOURCE or the navigation system screen while the rear monitor continues to play the DVD.

1. Press \[\text{MENU}\].
2. Touch \[\text{INFO.}\] in the MENU screen.
3. Touch \[\text{AV SELECTOR}\].
4. Touch \[\text{ON}\] or \[\text{OFF}\] for DVD PLAY.
   - \[\text{ON}\]: If the screen is switched to AUDIO SOURCE or the navigation system screen, the optional rear monitor continues to play the DVD. (The optional rear monitor continues to play the TV/VTR during TV/VTR playback as well.)
   - \[\text{OFF}\]: The video is the same as that shown in the screen of the device.
5. Touch \[\text{ENTER}\].

If the source of the main unit is set to TV/VTR, the rear monitor will also display TV/VTR even if DVD PLAY is switched to \[\text{ON}\].
<table>
<thead>
<tr>
<th>Input code</th>
<th>Language</th>
<th>Input code</th>
<th>Language</th>
<th>Input code</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>1001</td>
<td>Japanese</td>
<td>0801</td>
<td>Hausa</td>
<td>1721</td>
<td>Quechua</td>
</tr>
<tr>
<td>0514</td>
<td>English</td>
<td>0809</td>
<td>Hindi</td>
<td>1813</td>
<td>Rhaeto-Romance</td>
</tr>
<tr>
<td>0618</td>
<td>French</td>
<td>0818</td>
<td>Croatian</td>
<td>1814</td>
<td>Kirundi</td>
</tr>
<tr>
<td>0405</td>
<td>German</td>
<td>0821</td>
<td>Hungarian</td>
<td>1815</td>
<td>Romanian</td>
</tr>
<tr>
<td>0920</td>
<td>Italian</td>
<td>0825</td>
<td>Armenian</td>
<td>1823</td>
<td>Kirinyawanda</td>
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<tr>
<td>0519</td>
<td>Spanish</td>
<td>0901</td>
<td>Interlingua</td>
<td>1901</td>
<td>Sanskrit</td>
</tr>
<tr>
<td>1412</td>
<td>Dutch</td>
<td>0905</td>
<td>Interlingue</td>
<td>1904</td>
<td>Sindhi</td>
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<tr>
<td>1821</td>
<td>Russian</td>
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<td>Inuktitut</td>
<td>1907</td>
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<tr>
<td>2608</td>
<td>Chinese</td>
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<td>Indonesian</td>
<td>1908</td>
<td>Serbo-Croatian</td>
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<tr>
<td>1115</td>
<td>Korean</td>
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<td>Greek</td>
<td>0923</td>
<td>Hebrew</td>
<td>1911</td>
<td>Slovak</td>
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<td>0101</td>
<td>Arar</td>
<td>1009</td>
<td>Yiddish</td>
<td>1912</td>
<td>Slovenian</td>
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<td>Javanese</td>
<td>1913</td>
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<tr>
<td>0106</td>
<td>Afrikaans</td>
<td>1101</td>
<td>Georgian</td>
<td>1914</td>
<td>Shona</td>
</tr>
<tr>
<td>0113</td>
<td>Amharic</td>
<td>1111</td>
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<tr>
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<td>Arabic</td>
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<td>Albanian</td>
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<tr>
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<td>Assamese</td>
<td>1113</td>
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<td>0125</td>
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<td>Kirghiz</td>
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<td>Swedish</td>
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<td>Bulgarian</td>
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<td>Latin</td>
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<td>Tajik</td>
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<td>Tigrinya</td>
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<td>2012</td>
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<td>2015</td>
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<td>Marathi</td>
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<td>1319</td>
<td>Malay</td>
<td>2020</td>
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<td>Maltese</td>
<td>2023</td>
<td>Twi</td>
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<td>Basque</td>
<td>1325</td>
<td>Basque</td>
<td>2111</td>
<td>Ukrainian</td>
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<td>1401</td>
<td>Nauru</td>
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