

Operation Manual

Mode d'emploi

Multi-CD control High power CD/MP3/WMA player
with FM/AM tuner

Syntoniseur FM/AM et lecteur de CD/MP3/WMA,
"Puissance élevée", avec contrôleur pour lecteur de
CD à chargeur

DEH-P5800MP

SUPER  **TUNER III** 

Thank you for buying this Pioneer product.

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

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Before You Start

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.



For Canadian model

This Class B digital apparatus complies with Canadian ICES-003.



About this unit

The tuner frequencies on this unit are allocated for use in North America. Use in other areas may result in poor reception.

WARNING:

Handling the cord on this product or cords associated with accessories sold with the product may expose you to chemicals listed on proposition 65 known to the State of California and other governmental entities to cause cancer and birth defects or other reproductive harm. **Wash hands after handling.**


CAUTION:
USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION:
THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.


CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, this unit damage, smoke, and overheat could result from contact with liquids.
- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so that you can hear sounds from outside the vehicle.
- Protect this unit from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.

Important (Serial number)

The serial number is located on the bottom of this unit. For your own security and convenience, be sure to record this number on the enclosed warranty card. 

About this manual

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

After-sales service for Pioneer products

Please contact the dealer or distributor from where you purchased this unit for after-sales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact the companies listed below:


Please do not ship your unit to the companies at the addresses listed below for repair without advance contact.

U.S.A.

Pioneer Electronics (USA) Inc.
CUSTOMER SUPPORT DIVISION
P.O. Box 1760
Long Beach, CA 90801-1760
800-421-1404

CANADA

Pioneer Electronics of Canada, Inc.
CUSTOMER SATISFACTION DEPARTMENT
300 Allstate Parkway
Markham, Ontario L3R 0P2
1-877-283-5901


For warranty information please see the Limited Warranty sheet included with this unit. 

Product registration

Visit us at the following site:


<http://www.pioneerelectronics.com>

- 1 Register your product. We will keep the details of your purchase on file to help you refer to this information in the event of an insurance claim such as loss or theft.
- 2 Receive updates on the latest products and technologies.

- 3 Download owner's manuals, order product catalogues, research new products, and much more. 

Features

CD playback

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

MP3 file playback


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

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

WMA file playback

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

WAV file playback

You can play back WAV files recorded on CD-ROM/CD-R/CD-RW (Linear PCM (LPCM)/MS ADPCM recordings). 

Before You Start

About WMA




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

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

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



Notes

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

About the SAT RADIO READY mark




The SAT RADIO READY mark printed on the front panel indicates that the Satellite Radio Tuner for Pioneer (i.e., XM tuner and Sirius satellite tuner which are sold separately) can be controlled by this unit. Please inquire to your dealer or nearest authorized Pioneer service station regarding the satellite radio tuner that can be connected to this unit. For satellite

radio tuner operation, please refer to the satellite radio tuner owner's manual.



Notes

- The system will use direct satellite-to-receiver broadcasting technology to provide listeners in their cars and at home with crystal-clear sound seamlessly from coast to coast. Satellite radio will create and package over 100 channels of digital-quality music, news, sports, talk and children's programming.
- "SAT Radio", the SAT Radio logo and all related marks are trademarks of Sirius Satellite Radio inc., and XM Satellite Radio Inc. 

Protecting your unit from theft

The front panel can be detached from the head unit 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 40.



Important

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

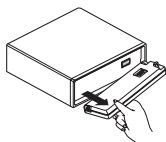
Removing the front panel

- 1 Press OPEN to open the front panel.

Before You Start

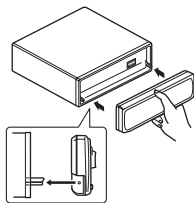
2 Grip the left side of the front panel and pull it gently outward.

Take care not to grip it too tightly or to drop the front panel and protect it from contact with water or other fluids to prevent permanent damage.



Attaching the front panel

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



About the demo mode

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

- You cannot cancel a demo mode when the front panel is open.



Important

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.

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 button **5** when power to this unit is turned off while the ignition switch is set to ACC or ON cancels the reverse mode. Press button **5** again to start the reverse mode.

Feature demo mode

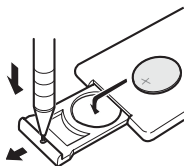
The feature demo automatically starts when power to this unit is turned off while the ignition switch is set to ACC or ON. Pressing button **6** during feature demo operation cancels the feature demo mode. Press button **6** again to start the feature mode. Remember that if the feature demo continues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

Before You Start

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.



! WARNING

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

! CAUTION

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

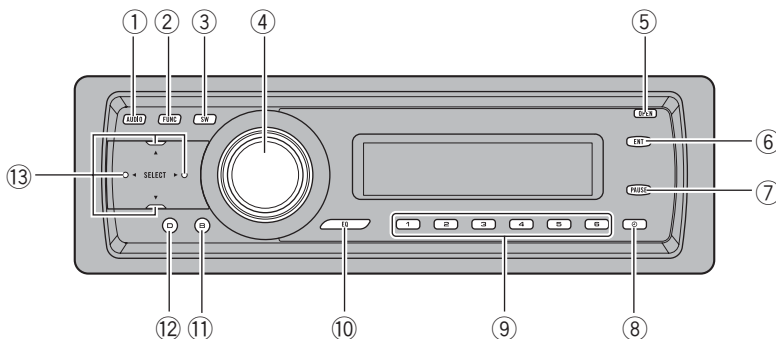
Using the remote control

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

- The remote control may not function properly in direct sunlight.

! Important

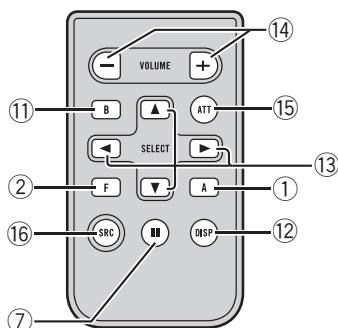
- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal. **!**



Head unit

- ① **AUDIO button**
Press to select various sound quality controls.
- ② **FUNCTION button**
Press to select functions.
- ③ **SW button**
Press to directly select subwoofer setting menu. See *Using subwoofer output* on page 37. Press and hold to select EQ-EX setting menu. See *Compensating for equalizer curves (EQ-EX)* on page 34.
- ④ **SOURCE button, VOLUME**
This unit is turned on by selecting a source. Press to cycle through all the available sources. Rotate it to increase or decrease the volume.
- ⑤ **OPEN button**
Press to open the front panel.
- ⑥ **ENTERTAINMENT button**
Press to change to the entertainment display.
- ⑦ **PAUSE button**
Press to turn pause on or off.
- ⑧ **CLOCK button**
Press to change to the clock display. Press and hold to change the channel select mode when XM tuner is selected as the source.
- ⑨ **1-6 buttons**
Press for preset tuning and disc number search when using a multi-CD player.
- ⑩ **EQ button**
Press to select various equalizer curves.
- ⑪ **BAND button**
Press to select among three FM bands and one AM band and to cancel the control mode of functions.
- ⑫ **DISPLAY button**
Press to select different displays.
- ⑬ **▲/▼/◀/▶ buttons**
Press to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions. ■

What's What



Remote control

Operation is the same as when using the buttons on the head unit. See the explanation of the head unit about the operation of each button with the exception of **ATT**, which is explained below.


⑭ **VOLUME buttons**

Press to increase or decrease the volume.

⑮ **ATT button**

Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.

⑯ **SOURCE button**

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

Turning the unit on

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

When you select a source, the unit is turned on. 

Selecting a source

You can select a source you want to listen to. To switch to the built-in CD player, load a disc in the unit (refer to page 17).

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


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

XM tuner—Tuner—Television—DVD player/Multi-DVD player—Built-in CD player—Multi-CD player—External unit 1—External unit 2—AUX



Notes

- In the following cases, the sound source will not change:
 - When there is no unit corresponding to the selected source connected to this unit.
 - When there is no disc in the unit.
 - When there is no disc in the DVD player.
 - When there is no magazine in the multi-CD player.
 - When there is no magazine in the multi-DVD player.
 - When the AUX (auxiliary input) is set to off (refer to page 41).
- 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 unit. Two external units can be controlled by this unit. When two external units are connected, the allocation of them to external unit 1 or external unit 2 is automatically set by this unit.
- When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control

terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off. 

Loading a disc

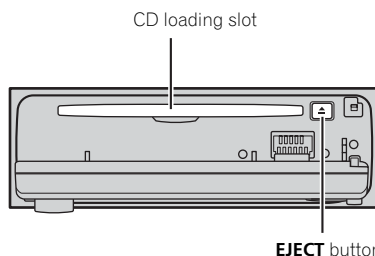
- 1 Press **OPEN** to open the front panel.

CD loading slot appears.

- After a CD has been inserted, press **SOURCE** to select the built-in CD player.

- 2 Insert a CD into the CD loading slot.

Playback will automatically start.



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



Notes

- The built-in CD player plays one standard, 12-cm or 8-cm CD at a time. Do not use an adapter when playing 8-cm CDs.
- Do not insert anything other than a CD into the CD loading slot.
- There is sometimes a delay between starting up CD playback and the sound being issued. When being read, **Format Read** is displayed.
- If you cannot insert a disc completely or if after you insert a disc the disc does not play, check that the label side of the disc is up. Press **EJECT** to eject the disc, and check the disc for damage before inserting it again.

Basic Operations

- If an error message such as **ERROR-11** is displayed, refer to *Understanding built-in CD player error messages* on page 46.
- When the CD loading or ejecting function does not operate properly, you can eject the CD by pressing and holding **EJECT** while opening the front panel.

Adjusting the volume

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

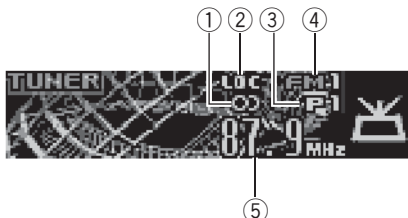
With the head unit, rotate **VOLUME** to increase or decrease the volume.

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

Turning the unit off

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

Listening to the radio



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

① Stereo (Ⓢ) indicator

Shows when the selected frequency is being broadcast in stereo.

② LOC indicator

Shows when local seek tuning is on.

③ Preset number indicator

Shows which preset has been selected.

④ Band indicator

Shows which band the radio is tuned to, AM or FM.

⑤ Frequency indicator

Shows the frequency to which the tuner is tuned.

1 Press SOURCE to select the tuner.

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

2 Press BAND to select a band.

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

3 To perform manual tuning, briefly press

◀ or ▶.

The frequencies move up or down step by step.

4 To perform seek tuning, press and hold

◀ or ▶ for about one second and release. The tuner will scan the frequencies until a broadcast strong enough for good reception is found.

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

Tuner

Introduction of advanced tuner operation



① Function display

Shows the function status.

● Press FUNCTION to display the function names.


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

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

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



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 preset tuning buttons **1–6** 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 one of preset tuning buttons **1–6** and hold until the preset number stops flashing.


The number you have pressed will flash in the preset number indicator and then remain lit.

The selected radio station frequency has been stored in memory.

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



Notes

- Up to 18 FM stations, six for each of the three FM bands, and six AM stations can be stored in memory.
- You can also use **▲** and **▼** to recall radio station frequencies assigned to preset tuning buttons **1–6**. 

Tuning in strong signals

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

1 Press FUNCTION to select Local.

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

2 Press ▲ to turn local seek tuning on.

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

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.

4 When you want to return to normal seek tuning, press ▼ to turn local seek tuning off.

Local:OFF appears in the display. 

Storing the strongest broadcast frequencies

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

1 Press **FUNCTION** to select **BSM**.

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


2 Press **▲** to turn **BSM** on.

BSM begins to flash. While **BSM** is flashing the six strongest broadcast frequencies will be stored under preset tuning buttons **1–6** in the order of their signal strength. When finished, **BSM** stops flashing.

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



Note

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

Built-in CD Player

Playing a CD



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

① Track number indicator

Shows the track currently playing.

② Play time indicator

Shows the elapsed playing time of the current track.

1 Press SOURCE to select the built-in CD player.

Press **SOURCE** until you see **Compact Disc** displayed.

- If no disc is loaded in the unit, you cannot select **Compact Disc** (built-in CD player). Insert a disc in the unit. (Refer to page 12.)

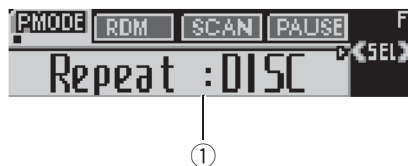
2 To perform fast forward or reverse, press and hold ◀ or ▶.

- If you select **ROUGH SEARCH**, pressing and holding ◀ or ▶ enables you to search every 10 tracks in the current disc. (Refer to *Selecting the search method* on page 19.)

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

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

Introduction of advanced built-in CD player operation



① Function display

Shows the function status.

● Press FUNCTION to display the function names.

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

- **Repeat** (repeat play)—**Random** (random play)
- **Scan** (scan play)—**Pause** (pause)
- **Comp./BMX** (compression and BMX)
- **FF/REV** (search method)

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

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 FUNCTION to select Repeat.

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

2 Press ◀ or ▶ to select the repeat range.


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

- **DISC** – Repeat the current disc

Built-in CD Player

- **TRACK** – Repeat just the current track

Note

If you perform track search or fast forward/reverse during **TRACK**, the repeat play range changes to **DISC**. 

Playing tracks in random order

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


1 Press **FUNCTION** to select **Random**.

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

2 Press **▲** to turn random play on.

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

3 Press **▼** to turn random play off.

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

Scanning tracks of a CD

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

1 Press **FUNCTION** to select **Scan**.

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

2 Press **▲** to turn scan play on.


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

3 When you find the desired track press **▼** to turn scan play off.

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

- If the display has automatically returned to the playback display, select **Scan** again by pressing **FUNCTION**.

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 **FUNCTION** to select **Pause**.

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

2 Press **▲** to turn pause on.

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

3 Press **▼** to turn pause off.

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

Using compression and BMX

Using the COMP (compression) and BMX functions let you adjust the sound playback quality of this player. Each of the functions has a two-step adjustment. The COMP function balances the output of louder and softer sounds at higher volumes. BMX controls sound reverberations 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.

Built-in CD Player

1 Press FUNCTION to select Comp./BMX.

Press **FUNCTION** until **Comp./BMX** appears in the display.

2 Press ▲ or ▼ to select your favorite setting.

Press ▲ or ▼ repeatedly to switch between the following settings:

**Comp./BMX OFF—Comp. 1—Comp. 2—
Comp./BMX OFF—BMX 1—BMX 2** 

Selecting the search method

You can switch the search method between fast forward/reverse and searching every 10 tracks.


1 Press FUNCTION to select FF/REV.

Press **FUNCTION** until **FF/REV** appears in the display.

- If the search method **ROUGH SEARCH** has been previously selected, **ROUGH SEARCH** will be displayed.

2 Press ◀ or ▶ to select the search method.

Press ◀ or ▶ until the desired search method appears in the display.


- **FF/REV** – Fast forward and reverse
- **ROUGH SEARCH** – Searching every 10 tracks 

Searching every 10 tracks in the current disc

If a disc contains over 10 tracks, you can search every 10 tracks. When a disc contains many tracks, you can roughly search for the track you want to play.

1 Select the search method ROUGH SEARCH.

2 Press and hold ◀ or ▶ to search every 10 tracks on a disc.

- If a disc contains less than 10 tracks, pressing and holding ▶ recalls the last track of the disc. Also, if the remaining number of tracks after searching every 10 tracks is less than 10, pressing and holding ▶ recalls the last track of the disc.
- If a disc contains less than 10 tracks, pressing and holding ◀ recalls the first track of the disc. Also, if the remaining number of tracks after searching every 10 tracks is less than 10, pressing and holding ◀ recalls the first track of the disc. 

Using disc title functions

You can input CD titles and display the title. The next time you insert a CD for which you have entered a title, the title of that CD will be displayed.

Entering disc titles

Use the disc title input feature to store up to 48 CD titles in the unit. Each title can be up to 10 characters long.

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

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

- When playing a CD TEXT disc, you cannot switch to **TITLE**. The disc title will have already been recorded on a CD TEXT disc.

Built-in CD Player

3 Press button 1 to select the desired character type.

Press button **1** repeatedly to switch between the following character types:
 Alphabet (upper case)—Alphabet (lower case)
 —European letters, such as those with accents (e.g., **á, à, ä, ç**)

- You can select to input numbers and symbols by pressing button **2**.

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

Each press of ▲ 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 ▼ will display a letter in the reverse order, such as **Z Y X ... C B A**.



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.

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.

7 Press BAND to return to the playback display.



Notes

- Titles remain in memory, even after the disc has been removed from the unit, and are recalled when the disc is reinserted.

- After data for 48 discs has been stored in memory, data for a new disc will overwrite the oldest one.
- If you connect a multi-CD player, you can input disc titles for up to 100 discs.

Displaying disc titles

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

● Press DISPLAY.

Press **DISPLAY** repeatedly to switch between the following settings:

Play time—**Disc Title** (disc title)

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

- When a CD with a disc title is inserted, the disc title automatically begins to scroll through the display.
- If no title has been entered for the currently playing disc, **No Disc Title** is displayed. (■)

Using CD TEXT functions

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

Displaying text information on CD TEXT discs

● Press DISPLAY.

Press **DISPLAY** repeatedly to switch between the following settings:

Built-in CD Player

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, title or name is not displayed.

Scrolling text information in the display


This unit can display the first 16 letters of **Disc Title**, **DiscArtist Name**, **Track Title** and **TrackArtist Name**. When the text information is longer than 16 letters, you can scroll the display as follows.

- **Press DISPLAY and hold until the text information begins to scroll through the display.**

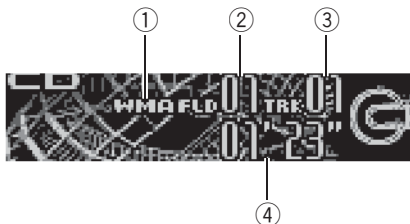
The titles scroll.



Note

When Ever Scroll is set to ON at the initial setting, CD text information scrolls continuously in the display. If you want to display the first 16 characters of text information temporarily and scroll from the beginning, press and hold **DISPLAY**. Refer to *Switching the Ever Scroll* on page 42. 

Playing MP3/WMA/WAV



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

- ① **MP3/WMA/WAV indicator**
Shows when the MP3/WMA/WAV file is playing.
- ② **Folder number indicator**
Shows the number of folder currently playing.
- ③ **Track number indicator**
Shows the track (file) currently playing.
- ④ **Play time indicator**
Shows the elapsed playing time of the current track (file).

1 Press SOURCE to select the built-in CD player.

Press **SOURCE** until you see **Compact Disc** displayed.

- If no disc is loaded in the unit, you cannot select **Compact Disc** (built-in CD player). Insert a disc in the unit. (Refer to page 12.)

2 Press ▲ or ▼ to select a folder.

- You cannot select a folder that does not have an MP3/WMA/WAV file recorded in it.
- To return to folder 01 (ROOT), press and hold **BAND**. However, if folder 01 (ROOT) contains no files, playback commences with folder 02.

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

- If you select **ROUGH SEARCH**, pressing and holding ◀ or ▶ enables you to search every 10 tracks in the current folder. (Refer to *Selecting the search method* on page 24.)

4 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.



Notes

- When playing discs with MP3/WMA/WAV files and audio data (CD-DA) such as CD-EXTRA and MIXED-MODE CDs, both types can be played only by switching mode between MP3/WMA/WAV and CD-DA with **BAND**.
- If you have switched between playback of MP3/WMA/WAV files and audio data (CD-DA), playback starts at the first track on the disc.
- The built-in CD player can play back an MP3/WMA/WAV file recorded on CD-ROM. (Refer to page 47 for files that can be played back.)
- Playback is carried out in order of file number. Folders are skipped if they contain no files. (If folder 01 (ROOT) contains no files, playback commences with folder 02.)
- When playing back files recorded as VBR (variable bit rate) files, the play time will not be correctly displayed if fast forward or reverse operations are used.
- If the inserted disc contains no files that can be played back, **No Audio** is displayed.
- If the inserted disc contains WMA files that are protected by digital rights management (DRM), **TRK SKIPPED** is displayed while the protected file is skipped.
- If all the files on the inserted disc are secured by DRM, **PROTECT** is displayed.
- There is no sound on fast forward or reverse. ◻

MP3/WMA/WAV Player

Introduction of advanced built-in CD player (MP3/WMA/WAV) operation



① Function display

Shows the function status.

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

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

Repeat (repeat play)—**Random** (random play)—**Scan** (scan play)—**Pause** (pause)—folder list—**Comp./BMX** (compression and BMX)—**FF/REV** (search method)

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



Note

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

Repeating play

For MP3/WMA/WAV playback, there are three repeat play ranges: **FOLDER** (folder repeat), **TRACK** (one-track repeat) and **DISC** (repeat all tracks).

1 Press **FUNCTION** to select **Repeat**.

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

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

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

- **FOLDER** – Repeat the current folder
- **TRACK** – Repeat just the current track

- **DISC** – Repeat all tracks



Notes

- If you select another folder during repeat play, the repeat play range changes to **DISC**.
- If you perform track search or fast forward/reverse during **TRACK**, the repeat play range changes to **FOLDER**.
- When **FOLDER** is selected, it is not possible to play back a subfolder of that folder.

Playing tracks in random order

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

1 Select the repeat range.

Refer to *Repeating play* on this page.

2 Press **FUNCTION** to select **Random**.

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

3 Press **▲** to turn random play on.

Random : ON appears in the display. Tracks will play in a random order within the previously selected **FOLDER** or **DISC** ranges.

4 Press **▼** to turn random play off.

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

Scanning folders and tracks

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

1 Select the repeat range.

Refer to *Repeating play* on this page.

MP3/WMA/WAV Player

2 Press FUNCTION to select Scan.

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

3 Press ▲ to turn scan play on.

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

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

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

- If the display has automatically returned to the playback display, select **Scan** again by pressing **FUNCTION**.



Note

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

Pausing MP3/WMA/WAV playback

Pause lets you temporarily stop playback of the MP3/WMA/WAV.

1 Press FUNCTION to select Pause.

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

2 Press ▲ to turn pause on.

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

3 Press ▼ to turn pause off.

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

Selecting folders from the folder title list

Folder title list lets you see the list of folder titles and select one of them to play back.

1 Press FUNCTION to select folder title list.

Press **FUNCTION** until **Root** appears in the display.

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

- If selected folder contains files, appears in the display.

3 Press ▲ to play your favorite folder title.

That selection will begin to play.

- If selected folder contains no files, **NO FILES** will be displayed.

Using compression and BMX

Using the COMP (compression) and BMX functions let you adjust the sound playback quality of this player. Each of the functions has a two-step adjustment. The COMP function balances the output of louder and softer sounds at higher volumes. BMX controls sound reverberations 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 FUNCTION to select Comp./BMX.

Press **FUNCTION** until **Comp./BMX** appears in the display.

2 Press ▲ or ▼ to select your favorite setting.

Press ▲ or ▼ repeatedly to switch between the following settings:

**Comp./BMX OFF—Comp. 1—Comp. 2—
Comp./BMX OFF—BMX 1—BMX 2**

Selecting the search method

You can switch the search method between fast forward/reverse and searching every 10 tracks.

MP3/WMA/WAV Player

1 Press **FUNCTION** to select **FF/REV**.

Press **FUNCTION** until **FF/REV** appears in the display.

- If the search method **ROUGH SEARCH** has been previously selected, **ROUGH SEARCH** will be displayed.

2 Press ◀ or ▶ to select the search method.

Press ◀ or ▶ until the desired search method appears in the display.

- **FF/REV** – Fast forward and reverse
- **ROUGH SEARCH** – Searching every 10 tracks

Searching every 10 tracks in the current folder

If the current folder contains over 10 tracks, you can search every 10 tracks. When one folder contains a lot of tracks, you can roughly search for the track you want to play.

1 Select the search method **ROUGH SEARCH**.

2 Press and hold ◀ or ▶ to search every 10 tracks in the current folder.

- If the current folder contains less than 10 tracks, pressing and holding ▶ recalls the last track of the folder. Also, if the remaining number of tracks after searching every 10 tracks is less than 10, pressing and holding ▶ recalls the last track of the folder.
- If the current folder contains less than 10 tracks, pressing and holding ◀ recalls the first track of the folder. Also, if the remaining number of tracks after searching every 10 tracks is less than 10, pressing and holding ◀ recalls the first track of the folder.

Displaying text information on MP3/WMA/WAV disc

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

When playing back an MP3/WMA disc

● Press **DISPLAY**.

Press **DISPLAY** repeatedly to switch between the following settings:

Play time—**Folder Name** (folder name)
—**File Name** (file name)—**Track Title** (track title)—**Artist Name** (artist name)
—**Album Title** (album title)—**Comment** (comment)—Bit rate


- When playing back MP3 files recorded as VBR (variable bit rate) files, the bit rate value is not displayed even after switching to bit rate. (**VBR** will be displayed.)
- When playing back WMA files recorded as VBR (variable bit rate) files, the average bit rate value is displayed.
- If specific information has not been recorded on an MP3/WMA disc, **No XXXX** will be displayed (e.g., **No Track Title**).
 - Depending on the version of iTunes® used to write MP3 files onto a disc, comment information may not be correctly displayed.
 - Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.

When playing back a WAV disc

● Press **DISPLAY**.

Press **DISPLAY** repeatedly to switch between the following settings:

Play time—**Folder Name** (folder name)
—**File Name** (file name)—Sampling frequency

- You can only play back WAV files in the frequencies 16, 22.05, 24, 32, 44.1 and 48 kHz (LPCM), or 22.05 and 44.1 kHz (MS ADPCM). The sampling frequency shown in the display may be rounded. 

Scrolling text information in the display

This unit can display the first 16 letters only of **Folder Name**, **File Name**, **Track Title**, **Artist Name**, **Album Title** and **Comment**.


When the recorded information is longer than 16 letters, you can scroll the text to the left so that the rest of the text information can be seen.

- **Press DISPLAY and hold until the text information begins to scroll through the display.**

The text information scrolls.

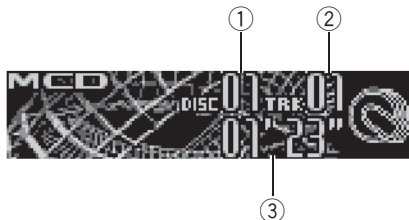


Notes

- Unlike MP3, WMA file format, WAV files display only **Folder Name** and **File Name**.
- When Ever Scroll is set to ON at the initial setting, CD text information scrolls continuously in the display. If you want to display the first 16 characters of text information temporarily and scroll from the beginning, press and hold **DISPLAY**. Refer to *Switching the Ever Scroll* on page 42. 

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 the next page.

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.

2 Select a disc you want to listen to with the 1–6 buttons.

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

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

- You can also sequentially select a disc by pressing ▲/▼.

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

4 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.



Notes

- When the multi-CD player performs the preparatory operations, **Ready** is displayed.
- If an error message such as **ERROR-11** is displayed, refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, **No Disc** is displayed. ▣

50-disc multi-CD player

Only those functions described in this manual are supported by 50-disc multi-CD players. This unit is not designed to operate disc title list functions with a 50-disc multi-CD player. About the disc title list functions, please refer to *Selecting discs from the disc title list* on page 32. ▣

Introduction of advanced multi-CD player operation



① Function display

Shows the function status.


● Press FUNCTION to display the function names.

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

Repeat (repeat play)—**Disc title list**—**Random** (random play)—**Scan** (scan play)—**ITS Play** (ITS play)—**Pause** (pause)—**COMP.** (compression and DBE)

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

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 multi-CD player: **MCD** (multi-CD player repeat), **TRACK** (one-track repeat) and **DISC** (disc repeat).

1 Press FUNCTION to select Repeat.


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

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
- **TRACK** – Repeat just the current track
- **DISC** – Repeat the current disc

Notes

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

Playing tracks in random order

Random play lets you play back tracks in random order within the repeat range, **MCD** and **DISC**.

1 Select the repeat range.

Refer to *Repeating play* on this page.


2 Press FUNCTION to select Random.

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

3 Press ▲ to turn random play on.

Random : ON appears in the display. Tracks will play in a random order within the previously selected **MCD** or **DISC** ranges.

4 Press ▼ to turn random play off.

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

Multi-CD Player

Scanning CDs and tracks

While you are using **DISC**, the beginning of each track on the selected disc plays for about 10 seconds. When you are using **MCD**, 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 the previous page.

2 Press **FUNCTION** to select **Scan**.

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

3 Press **▲** to turn scan play on.

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


4 When you find the desired track (or disc) press **▼** 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 **FUNCTION**.



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 **FUNCTION** to select **Pause**.

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

2 Press **▲** to turn pause on.

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

3 Press **▼** to turn pause off.

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

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.

Creating a playlist with ITS programming

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

1 Play a CD that you want to program.

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

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

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

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

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

4 Press ▲ 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.

5 Press **BAND** 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 28.

2 Press **FUNCTION** to select ITS Play.

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

3 Press ▲ 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** or **DISC** ranges.

- If no tracks in the current range are programmed for ITS play, then **ITS Empty** is displayed.

4 Press ▼ 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.

Erasing a track from your ITS playlist

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

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

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

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

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

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

3 Select the desired track by pressing ◀ or ▶.

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

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

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

Erasing a CD from your ITS playlist

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

1 Play the CD that you want to delete.

Press ▲ or ▼ to select the CD.


Multi-CD Player

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

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

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.

4 Press BAND to return to the playback display. 

Using disc title functions

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

Entering disc titles

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

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

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

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

After **TITLE** is displayed, press **FUNCTION** 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 has already been recorded on a CD **TEXT** disc.

3 Press button 1 to select the desired character type.

Press button **1** repeatedly to switch between the following character types:
 Alphabet (upper case)—Alphabet (lower case)
 —European letters, such as those with accents (e.g., á, à, ã, ç)

- You can select to input numbers and symbols by pressing button **2**.

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

Each press of **▲** 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 **▼** will display a letter in the reverse order, such as **Z Y X ... C B A**.



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.

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.

7 Press BAND 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 text information of any disc that has had a disc title entered.

● Press **DISPLAY**.

Press **DISPLAY** repeatedly to switch between the following settings:

Play time—**Disc Title** (disc title)

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

- When a CD with a disc title is inserted, the disc title automatically begins to scroll through the display.
- If no title has been entered for the currently playing disc, **No Disc 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 play back.

1 Press **FUNCTION** to select disc title list.

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

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.

3 Press **▲** to play your favorite CD title.

That selection will begin to play.

Using CD TEXT functions

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

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

Displaying text information on CD TEXT discs

● Press **DISPLAY**.

Press **DISPLAY** repeatedly to switch between the following settings:

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, title or name is not displayed.

Scrolling text information 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** and hold until the text information begins to scroll through the display.

The titles scroll.

Multi-CD Player



Note

When Ever Scroll is set to ON at the initial setting, CD text information scrolls continuously in the display. If you want to display the first 16 characters of text information temporarily and scroll from the beginning, press and hold **DISPLAY**. Refer to *Switching the Ever Scroll* on page 42.

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 lets you adjust the sound playback quality of the multi-CD player. Each of the functions has 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 them and use the one that best enhances the playback of the track or CD that you are listening to.

1 Press FUNCTION to select COMP.

Press **FUNCTION** until **COMP.** appears in the display.

- If the multi-CD player does not support COMP/DBE, **No Comp.** is displayed when you attempt to select it.

2 Press ▲ or ▼ to select your favorite setting.

Press **▲** or **▼** repeatedly to switch between the following settings:

Comp. OFF—Comp. 1—Comp. 2—

Comp. OFF—DBE 1—DBE 2

Introduction of audio adjustments



①

① Audio display

Shows the audio adjustment status.

● Press AUDIO to display the audio function names.

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

Fad (balance adjustment)—**EQ** (equalizer curve adjustment)—**Bass** (bass and treble level adjustment)—**Loud** (loudness)
—**Sub-W1** (subwoofer on/off setting)/**NonFad** (non fading output on/off setting)—**Sub-W2** (subwoofer setting)/**NonFad** (non fading output setting)—**HPF** (high pass filter)—**SLA** (source level adjustment)

- If EQ-EX function has been selected and only when EQ-EX is turned on and **Custom** is selected as the equalizer curve, you can switch to **Bass**.

- When the subwoofer controller setting is **PREOUT:FULL**, you cannot switch to **Sub-W1**. (Refer to page 41.)

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


- When the subwoofer controller setting is only **PREOUT:FULL**, you can switch to the nonfading output on/off setting. (Refer to page 41.)

- You can select the nonfading output setting only when nonfading output is turned on in the nonfading output on/off setting.

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

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


Note

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

Compensating for equalizer curves (EQ-EX)

The EQ-EX function accentuates the effects of each equalizer curve. Furthermore, you can adjust bass and treble for each source when **Custom** curve is selected.

● Press and hold SW to turn EQ-EX on. EQ-EX ON appears in the display. EQ-EX is now on.

- To turn EQ-EX off, press and hold **SW**.
- If you do not operate the EQ-EX within about 8 seconds, the display automatically returned to the source display. 

Using balance adjustment

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

1 Press AUDIO to select Fad.

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

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

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

Each press of **▲** or **▼** moves the front/rear speaker balance towards the front or the rear.

Fad F 15 – Fad R 15 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.

Audio Adjustments

- 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 41.

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 L 9 – Bal R 9 is displayed as the left/right speaker balance moves from left to right. 

Using the equalizer

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

Recalling equalizer curves

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

Display	Equalizer curve
Super Bass	Super bass
Powerful	Powerful
Natural	Natural
Vocal	Vocal
Custom	Custom
Flat	Flat

- Custom** is an adjusted equalizer curve that you create.
- A separate **Custom** curve can be created for each source. (The built-in CD player and the multi-CD player are set to the same equalizer adjustment setting automatically.) If you make adjustments, the equalizer

izer curve settings will be memorized in **Custom**.

- 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.

● Press EQ to select the equalizer.

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

Powerful—Natural—Vocal—Custom—Flat—Super Bass

Adjusting equalizer curves

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

1 Press AUDIO to select EQ.

Press **AUDIO** until **EQ** appears in the display.

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

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

EQ LOW (low)—**EQ MID** (mid)—**EQ HIGH** (high)

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

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

+6 – –6 is displayed as the level is increased or decreased.

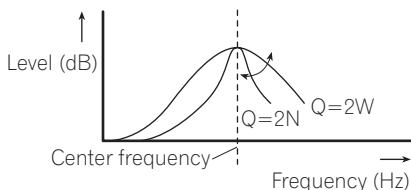
- You can then select another band and adjust the level.

Note

If you make adjustments, **Custom** curve is updated.

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

2 Press AUDIO to select the band for adjustment from among low, mid and high.

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

Low—Mid—High—**Bass** (bass adjustment)
—**Treble** (treble adjustment)

- If EQ-EX function has been selected and only when EQ-EX is turned on and **Custom** is selected as the equalizer curve, you can switch to **Bass** and **Treble**.

3 Press ◀ or ▶ to select the desired frequency.

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

Low: **40—80—100—160** (Hz)

Mid: **200—500—1k—2k** (Hz)

High: **3.15k—8k—10k—12.5k** (Hz)

4 Press ▲ or ▼ to select the desired Q factor.

Press ▲ or ▼ until the desired Q factor appears in the display.

2N—1N—1W—2W



Note

If you make adjustments, **Custom** curve is updated. ◻

Adjusting bass and treble

Use this function to adjust the bass and treble. The ability to select the frequency as well as the level gives you good control over the total balance of audio.

- If EQ-EX function has been selected and EQ-EX turned on and **Custom** selected as the equalizer curve, you can adjust bass and treble settings.

Adjusting bass and treble level

You can adjust the bass and treble level.

1 Press AUDIO to select Bass.

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

- If the treble level has been previously adjusted, **Treble** will be displayed.

2 Press ◀ or ▶ to select bass or treble.

Press ◀ and **Bass** is displayed. Press ▶ and **Treble** is displayed.

3 Press ▲ or ▼ to adjust the level.

Each press of ▲ or ▼ increases or decreases the selected bass or treble level. **+6—-6** is displayed as the level is increased or decreased.

Audio Adjustments

Selecting bass frequency

You can select the bass frequency for level adjustment.

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

2 Press AUDIO to select Bass.

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

3 Press ◀ or ▶ to select the desired frequency.

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

40—63—100—160 (Hz)

Selecting treble frequency

You can select the treble frequency for level adjustment.

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

2 Press AUDIO to select Treble.

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

3 Press ◀ or ▶ to select the desired frequency.

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

2.5k—4k—6.3k—10k (Hz) 

Adjusting loudness

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

1 Press AUDIO to select Loud.

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

2 Press ▲ to turn loudness on.


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

3 Press ◀ or ▶ to select a desired level.

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

LOW (low)—**MID** (mid)—**HIGH** (high)

4 Press ▼ to turn loudness off.

Loud OFF appears in the display. 

Using subwoofer output

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

1 Press AUDIO to select Sub-W1.

Press **AUDIO** until **Sub-W1** appears in the display.

- You can also select the subwoofer setting menu by pressing **SW** on the unit.
- When the subwoofer controller setting is **PREOUT:FULL**, you cannot select **Sub-W1**.

2 Press ▲ to turn subwoofer output on.

Sub-W1 Normal appears in the display. Subwoofer output is now on.

- To turn subwoofer output off, press ▼.

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

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

Adjusting subwoofer settings

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

1 Press **AUDIO** to select **Sub-W2**.

Press **AUDIO** until **Sub-W2** appears in the display.

- You can also select the subwoofer setting menu by pressing **SW** on the unit.
- When the subwoofer output is on, you can select **Sub-W2**.


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

Each press of **◀** or **▶** selects cut-off frequencies in the following order:

50—80—125 (Hz)

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

3 Press **▲** or **▼** to adjust the output level of the subwoofer.

Each press of **▲** or **▼** increases or decreases the level of the subwoofer. **+6 -- -6** is displayed as the level is increased or decreased. 

Using nonfading output

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

1 Press **AUDIO** to select nonfading output on/off setting.

Press **AUDIO** until **NonFad ON** appears in the display.

- When the subwoofer controller setting is only **PREOUT:FULL**, you can switch to the nonfading output on/off setting. (Refer to page 41.)

2 Press **▲** to turn nonfading output on.

NonFad ON appears in the display. Nonfading output is now on.

- To turn nonfading output off, press **▼**.


Adjusting nonfading output level

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

1 Press **AUDIO** to select nonfading output setting.

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

2 Press **▲** or **▼** to adjust the nonfading output level.

Each press of **▲** or **▼** increases or decreases the level of the nonfading output. **+6 -- -6** is displayed as the level is increased or decreased. 

Using the high pass filter

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

1 Press **AUDIO** to select **HPF**.

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

2 Press **▲** 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 **▼**.

3 Press **◀** or **▶** to select cut-off frequency.

Each press of **◀** or **▶** selects cut-off frequencies in the following order:

50—80—125 (Hz)

Audio Adjustments

Only frequencies higher than those in the selected range are outputted from the front or rear speakers. 

Adjusting source levels

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

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

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

2 Press AUDIO to select SLA.

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


3 Press ▲ or ▼ to adjust the source volume.

Each press of **▲** or **▼** increases or decreases the source volume.

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



Notes

- The AM tuner volume level can also be adjusted with source level adjustments.
- The built-in CD player and the multi-CD player are set to the same source level adjustment volume automatically.
- External unit 1 and external unit 2 are set to the same source level adjustment volume automatically. 

Adjusting initial settings



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

① Function display

Shows the function status.

1 Press SOURCE and hold until the unit turns off.

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

3 Press FUNCTION to select one of the initial settings.

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

Clock—**Warning** (warning tone)—**AUX** (auxiliary input)—**Dimmer** (dimmer)—**Brightness** (brightness)—**REAR SP** (rear output and subwoofer controller)—**Telephone** (sound muting/attenuation)—**Ever Scroll** (ever scroll)

Use the following instructions to operate each particular setting.

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

Setting the clock

Use these instructions to set the clock.

1 Press FUNCTION to select clock.

Press **FUNCTION** repeatedly until clock appears in the display.

2 Press ◀ or ▶ to select the segment of the clock display you wish to set.

Pressing ◀ or ▶ will select one segment of the clock display:

Hour—Minute

As you select segments of the clock display the segment selected will blink.



3 Press ▲ or ▼ to set the clock.

Pressing ▲ will increase the selected hour or minute. Pressing ▼ will decrease the selected hour or minute.

Switching the warning tone

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

1 Press FUNCTION to select Warning.

Press **FUNCTION** repeatedly until **Warning** appears in the display.

2 Press ▲ or ▼ to turn Warning on or off.

Pressing ▲ or ▼ will turn **Warning** on or off and that status will be displayed (e.g.,

Warning: ON).

Initial Settings

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 **FUNCTION** to select **AUX**.

Press **FUNCTION** repeatedly until **AUX** appears in the display.

2 Press **▲** or **▼** to turn **AUX** on or off.

Pressing **▲** or **▼** will turn **AUX** on or off and that status will be displayed (e.g., **AUX: ON**). □

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 turn the dimmer on or off.

1 Press **FUNCTION** to select **Dimmer**.

Press **FUNCTION** repeatedly until **Dimmer** appears in the display.

2 Press **▲** or **▼** to turn **Dimmer** on or off.

Pressing **▲** or **▼** will turn **Dimmer** on or off and that status will be displayed (e.g., **Dimmer: ON**). □

Adjusting the brightness

You can adjust the display brightness. Initially this mode is set to 12.

1 Press **FUNCTION** to select **Brightness**.

Press **FUNCTION** repeatedly until **Brightness** appears in the display.

2 Press **◀** or **▶** to adjust the brightness level.

Each press of **◀** or **▶** increases or decreases the brightness level. **0 – 15** is displayed as the level is increased or decreased. □

Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads output and RCA rear output) can be used for full-range speaker (**REAR SP:FULL**) or subwoofer (**REAR SP:S/W**) connection. If you switch the rear output setting to **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 is 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 **PREOUT:S/W** or the auxiliary **PREOUT:FULL**.

1 Press **FUNCTION** to select **REAR SP**.

Press **FUNCTION** repeatedly until **REAR SP** appears in the display.

2 Press **▲** or **▼** to switch the rear output setting.

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

- 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 Press ◀ or ▶ to switch the subwoofer output or nonfading output (full-range RCA output).

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



Notes

- Even if you change this setting, there is no output unless you turn the nonfading output (refer to *Using nonfading output* on page 38) or subwoofer output (refer to *Using subwoofer output* on page 37) in the audio menu on.
- If you change the subwoofer controller, subwoofer output and nonfading output in the audio menu return to the factory settings.
- Both rear speaker leads outputs and RCA rear output are switched simultaneously in this setting.

Switching the sound muting/attenuation

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

- The sound is muted or attenuated, **MUTE** or **ATT** are displayed and no audio adjustment is possible.
- Sound from this system returns to normal when the muting or attenuation is canceled.

1 Press FUNCTION to select Telephone.

Press **FUNCTION** repeatedly until **Telephone** appears in the display.

2 Press ◀ or ▶ to switch the telephone muting/attenuation.

Pressing ◀ or ▶ will switch between **Telephone: ATT** (attenuation) and

Telephone: MUTE (muting) and that status will be displayed.

Switching the Ever Scroll

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

1 Press FUNCTION to select Ever Scroll.

Press **FUNCTION** repeatedly until **Ever Scroll** appears in the display.

2 Press ▲ or ▼ to turn Ever Scroll on or off.

Pressing ▲ or ▼ will turn **Ever Scroll** on or off and that status will be displayed (e.g., **Ever Scroll:ON**).

Other Functions

Turning the clock display on or off

You can turn the clock display on or off.

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

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

- The clock display disappears temporarily when you perform other operations, but the clock display appears again after 6 seconds.



Note

Even when the sources are off, the clock display appears on the display. Pressing **CLOCK** turns the clock display on or off.

Using the AUX source

An IP-BUS-RCA Interconnector such as the CD-RB20/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 turned on, **AUX** cannot be selected. For more details, see *Switching the auxiliary setting* on page 41.

Setting the AUX title

The title displayed for the **AUX** source can be changed.

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

2 Press button **1** to select the desired character type.

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

Alphabet (upper case)—Alphabet (lower case)
—European letters, such as those with accents (e.g., **á, à, ä, ç**)

- You can select to input numbers by pressing button **2**.

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

Each press of **▲** 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 **▼** will display a letter in the reverse order, such as **Z Y X ... C B A**.



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.

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.

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

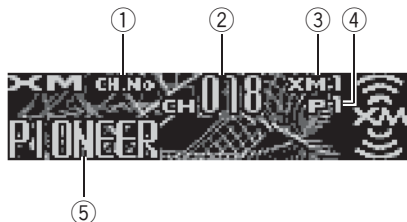
Using different entertainment displays

You can enjoy entertainment displays while listening to each sound source.

- **Press ENTERTAINMENT.**

Each time you press **ENTERTAINMENT** the display changes in the following order:
 Back ground visual 1—Back ground visual 2
 —Back ground visual 3—Back ground visual 4—Level indicator 1—Level indicator 2—Movie screen 1—Movie screen 2—Entertainment clock—Source icon display 

Introduction of XM operation



You can use this unit to control an XM satellite digital tuner (GEX-P920XM), which is sold separately.

For details concerning operation, refer to the XM tuner's operation manuals. This section provides information on XM operations with this unit which differs from that described in the XM tuner's operation manual.

- ① **XM channel select setting indicator**
Shows what channel select setting has been selected. **CH.No** is displayed when **CHNUMBER** is selected, and **CAT** is displayed when **CATEGORY** is selected.
- ② **XM channel number indicator**
Shows to which XM channel number the tuner is tuned.
- ③ **XM band indicator**
Shows the XM band which has been selected.
- ④ **XM preset number indicator**
Shows what XM preset has been selected.
- ⑤ **XM channel name**
Shows the channel name of broadcast channel.

XM operation

XM operation of the following functions with this unit differs.


- *Switching the XM channel select setting*
(Refer to the next page.)

Other Functions

Switching the XM channel select setting

You can switch the channel select mode to either selecting with channel number or with category.

- **Press CLOCK and hold to select the desired channel select setting.**

Press **CLOCK** and hold repeatedly to switch between the following channel select settings: **CHNUMBER** (channel number select setting) — **CATEGORY** (channel category select setting) 

Introduction of DVD operation

You can use this unit with a separately sold DVD player or multi-DVD player.

For details concerning operation, refer to the DVD player's or multi-DVD player's operation manual. This section provides information on DVD operations with this unit which differs from that described in the DVD player's or multi-DVD player's operation manual.

Operation

You can use the following function with this unit. (Reference page is in this manual.)

- *Using ITS playlist and disc title functions* (Refer to this page.)

Also, operation of the following function with this unit differs. (Reference page is in this manual.)

- *Function menu switching* (Refer to this page.)

Function menu switching

- **During DVD playback, press FUNCTION to display the function names.**

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

Repeat (repeat play)—**Pause** (pause)

- **During Video CD playback, press FUNCTION to display the function names.**

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

Repeat (repeat play)—**Pause** (pause)

- **During CD playback, press FUNCTION to display the function names.**

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


Repeat (repeat play)—**Random** (random play)
—**Scan** (scan play)—**ITS Play** (ITS play)
—**Pause** (pause)



Notes

- When using this unit with multi-DVD player, you can switch to **ITS Play**.
- Repeat play function is different depending on the disc types.
 - During DVD playback, press ◀ or ▶ to select the repeat range.
 - During Video CD or CD playback, press ◀ or ▶ to turn repeat play on or off.

Using ITS playlist and disc title functions

During CD playback when using this unit with a multi-DVD player, you can use these functions. Operation is same as for multi-CD player. Please refer to multi-CD player section. 

Additional Information

Understanding built-in CD player error messages

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

Message	Cause	Action
ERROR-11, 12, 17, 30	Dirty disc	Clean disc.
ERROR-11, 12, 17, 30	Scratched disc	Replace disc.
ERROR-10, 11, 12, 15, 17, 30, A0	Electrical or mechanical	Turn the ignition ON and OFF, or switch to a different source, then back to the CD player.
ERROR-15	The inserted disc does not contain any data	Replace disc.
ERROR-23	The CD format cannot be played back	Replace disc.
No Audio	The inserted disc does not contain any files that can be played back	Replace disc.
TRK SKIPPED	The inserted disc contains WMA files that are protected by DRM	Replace disc.
PROTECT	All the files on the inserted disc are secured by DRM	Replace disc.



CD player and care

- Use only CDs that have either of the two Compact Disc Digital Audio marks as shown below.



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



- Check all CDs for cracks, scratches or warping before playing. CDs that have cracks, scratches or are warped may not play properly. Do not use such discs.
- Avoid touching the recorded (non-printed) surface when handling the disc.
- Store discs in their cases when not in use.
- Keep discs out of direct sunlight and do not expose the discs to high temperatures.
- Do not attach labels, write on or apply chemicals to the surface of the discs.
- To clean a CD, wipe the disc with a soft cloth outward from the center.



Additional Information

- If the heater is used in cold weather, moisture may form on components inside the CD player. Condensation may cause the CD player to malfunction. If you think that condensation is a problem turn off the CD player for an hour or so to allow it to dry out and wipe any damp discs with a soft cloth to remove the moisture.
- Road shocks may interrupt CD playback.

CD-R/CD-RW discs

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

MP3, WMA and WAV files

- MP3 is short for MPEG Audio Layer 3 and refers to an audio compression technology standard.
- WMA is short for Windows Media™ Audio and refers to an audio compression technology that is developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 7 or later.
- WAV is short for waveform. It is a standard audio file format for Windows®.
- This unit may not operate correctly depending on the application used to encode WMA files.
- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- There may be a slight delay when starting playback of WMA files encoded with image data.
- This unit allows playback of MP3/WMA/WAV files on CD-ROM, CD-R and CD-RW discs. Disc recordings compatible with level 1 and level 2 of ISO9660 and with the Romeo and Joliet file system can be played back.
- It is possible to play back multi-session compatible recorded discs.
- MP3/WMA/WAV files are not compatible with packet write data transfer.
- The maximum number of characters which can be displayed for a file name, including the extension (.mp3, .wma or .wav), is 64, from the first character.
- The maximum number of characters which can be displayed for a folder name is 64.
- In case of files recorded according to the Romeo file system, only the first 64 characters can be displayed.

Additional Information

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

Important

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

MP3 additional information

- Files are compatible with the ID3 Tag Ver. 1.0, 1.1, 2.2, 2.3 and 2.4 formats for display of album (disc title), track (track title), artist (track artist) and comments. Ver. 2.x of ID3 Tag is given priority when both Ver. 1.x and Ver. 2.x exist.
- The emphasis function is valid only when MP3 files of 32, 44.1 and 48 kHz frequencies are played back. (16, 22.05, 24, 32,

44.1, 48 kHz sampling frequencies can be played back.)

- There is no m3u playlist compatibility.
- There is no compatibility with the MP3i (MP3 interactive) or mp3 PRO formats.
- The sound quality of MP3 files generally becomes better with an increased bit rate. This unit can play recordings with bit rates from 8 kbps to 320 kbps, but in order to be able to enjoy sound of a certain quality, we recommend using only discs recorded with a bit rate of at least 128 kbps.

WMA additional information

- This unit plays back WMA files encoded by Windows Media Player version 7, 7.1, 8, 9 and 10.
- You can only play back WMA files in the frequencies 32, 44.1 and 48 kHz.
- The sound quality of WMA files generally becomes better with an increased bit rate. This unit can play recordings with bit rates from 48 kbps to 320 kbps (CBR) or from 48 kbps to 384 kbps (VBR), but in order to be able to enjoy sound of a certain quality, we recommend using discs recorded with a higher bit rate.
- This unit doesn't support the following formats.
 - Windows Media Audio 9 Professional (5.1ch)
 - Windows Media Audio 9 Lossless
 - Windows Media Audio 9 Voice

WAV additional information

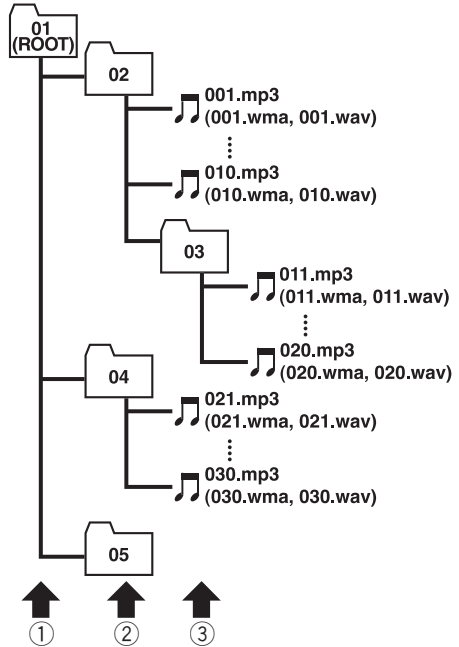
- This unit plays back WAV files encoded in Linear PCM (LPCM) format or MS ADPCM format.

Additional Information

- You can only play back WAV files in the frequencies 16, 22.05, 24, 32, 44.1 and 48 kHz (LPCM), or 22.05 and 44.1 kHz (MS ADPCM). The sampling frequency shown in the display may be rounded.
- The sound quality of WAV files generally becomes better with a larger number of quantization bits. This unit can play recordings with 8 and 16 (LPCM) or 4 (MS ADPCM) quantization bits, but in order to be able to enjoy sound of a certain quality, we recommend using discs recorded with the larger number of quantization bits.

About folders and MP3/WMA/WAV files

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



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

Notes

- This unit assigns folder numbers. The user cannot assign folder numbers.
- It is not possible to check folders that do not include MP3/WMA/WAV files. (These folders will be skipped without displaying the folder number.)
- MP3/WMA/WAV files in up to 8 tiers of folders can be played back. However, there is a delay in the start of playback on discs with numerous tiers. For this reason we recommend creating discs with no more than 2 tiers.
- It is possible to play back up to 99 folders on one disc.

Additional Information

Terms

Bit rate

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

ID3 tag

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

ISO9660 format

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

Level 1:

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

Level 2:

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

Extended formats

Joliet:

File names can have up to 64 characters.

Romeo:

File names can have up to 128 characters.

Linear PCM (LPCM)/Pulse code modulation

This stands for linear pulse code modulation, which is the signal recording system used for music CDs and DVDs.

m3u

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

MP3

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

MS ADPCM

This stands for Microsoft adaptive differential pulse code modulation, which is the signal recording system used for the multimedia software of Microsoft Corporation.

Multi-session

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

Number of quantization bits

The number of quantization bits is one factor in the overall sound quality; the higher the “bit-depth”, the better the sound quality. However, increasing the bit-depth also increases the amount of data and therefore storage space required.

Additional Information

Packet write

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

VBR

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

WAV

WAV is short for waveform. It is a standard audio file format for Windows®.

WMA

WMA is short for Windows Media™ Audio and refers to an audio compression technology that is developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 7 or later. Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. □

Additional Information

Specifications

General

Power source	14.4 V DC (10.8 – 15.1 V al- lowable)
Grounding system	Negative type
Max. current consumption	10.0 A
Dimensions (W × H × D):	
DIN	
Chassis	178 × 50 × 157 mm (7 × 2 × 6-1/8 in.)
Nose	188 × 58 × 19 mm (7-3/8 × 2-1/4 × 3/4 in.)
D	
Chassis	178 × 50 × 162 mm (7 × 2 × 6-3/8 in.)
Nose	170 × 46 × 14 mm (6-3/4 × 1-3/4 × 1/2 in.)
Weight	1.3 kg (2.9 lbs)

Audio

Continuous power output is 22 W per channel minimum into 4 ohms, both channels driven 50 to 15 000 Hz with no more than 5% THD.	
Maximum power output	50 W × 4 50 W × 2/4 Ω + 70 W × 1/2 Ω (for subwoofer)
Load impedance	4 – 8 Ω × 4 4 – 8 Ω × 2 + 2 Ω × 1
Preout max output level/output impedance	2.2 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	±12dB
Mid	
Frequency	200/500/1k/2k Hz
Q Factor	0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain	±12dB
High	
Frequency	3.15k/8k/10k/12.5k Hz
Q Factor	0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain	±12dB
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	±12dB
Treble	
Frequency	2.5k/4k/6.3k/10k Hz
Gain	±12dB

HPF:

Frequency	50/80/125 Hz
Slope	–12 dB/oct

Subwoofer:

Frequency	50/80/125 Hz
Slope	–18 dB/oct
Gain	±12dB
Phase	Normal/Reverse

CD player

System	Compact disc audio system
Usable discs	Compact disc
Signal format:	
Sampling frequency	44.1 kHz
Number of quantization bits	16; linear
Frequency characteristics	5 – 20 000 Hz (±1 dB)
Signal-to-noise ratio	94 dB (1 kHz) (IHF-A net- work)
Dynamic range	92 dB (1 kHz)
Number of channels	2 (stereo)
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10 (2ch audio) (Windows Media Player)
WAV signal format	Linear PCM & MS ADPCM

FM tuner

Frequency range	87.9 – 107.9 MHz
Usable sensitivity	8 dBf (0.7 μV/75 Ω mono, S/N: 30 dB)
50 dB quieting sensitivity	10 dBf (0.9 μV/75 Ω mono)
Signal-to-noise ratio	75 dB (IHF-A network)
Distortion	0.3 % (at 65 dBf, 1 kHz, stereo) 0.1 % (at 65 dBf, 1 kHz, mono)
Frequency response	30 – 15 000 Hz (±3 dB)
Stereo separation	45 dB (at 65 dBf, 1 kHz)

Additional Information

Selectivity	80 dB (± 200 kHz)
Three-signal intermodulation (desired signal level)	30 dBf (two undesired sig- nal level: 100 dBf)

AM tuner

Frequency range	530 – 1 710 kHz (10 kHz)
Usable sensitivity	18 μ V (S/N: 20 dB)
Signal-to-noise ratio	65 dB (IHF-A network)



Note

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

*Register your product at
Enregistrez votre produit au*

<http://www.pioneerelectronics.com>

*See "Product registration" page
Voir la page "Enregistrement du produit"*

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<XRD7095-A/N> UC

<KMIZX> <05H00000>

DEH-P5800MP

This product conforms to CEMA cord colors.
Le code de couleur des câbles utilisé pour ce produit est
conforme à CEMA.

Connecting the Units

Note:

- 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 \ominus 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 the fuse, be sure to only use a 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 \ominus speaker leads are common.
- Speakers connected to this unit must be high-power 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 a short-circuit, cover the disconnected lead with insulating tape. Insulate the unused speaker leads without fail. There is a possibility of a short-circuit 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.
- If this unit is installed in a vehicle that does not have an ACC (accessory) position on the ignition switch, the red lead of the 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 when you are away from the vehicle for several hours. (Fig.1)

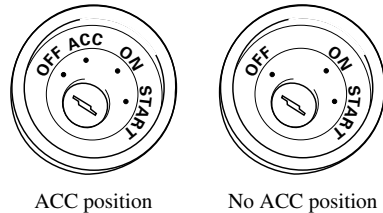


Fig. 1

- 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 manuals of both products and connect cords that have the same function.

■ When not connecting a rear speaker lead to a Subwoofer

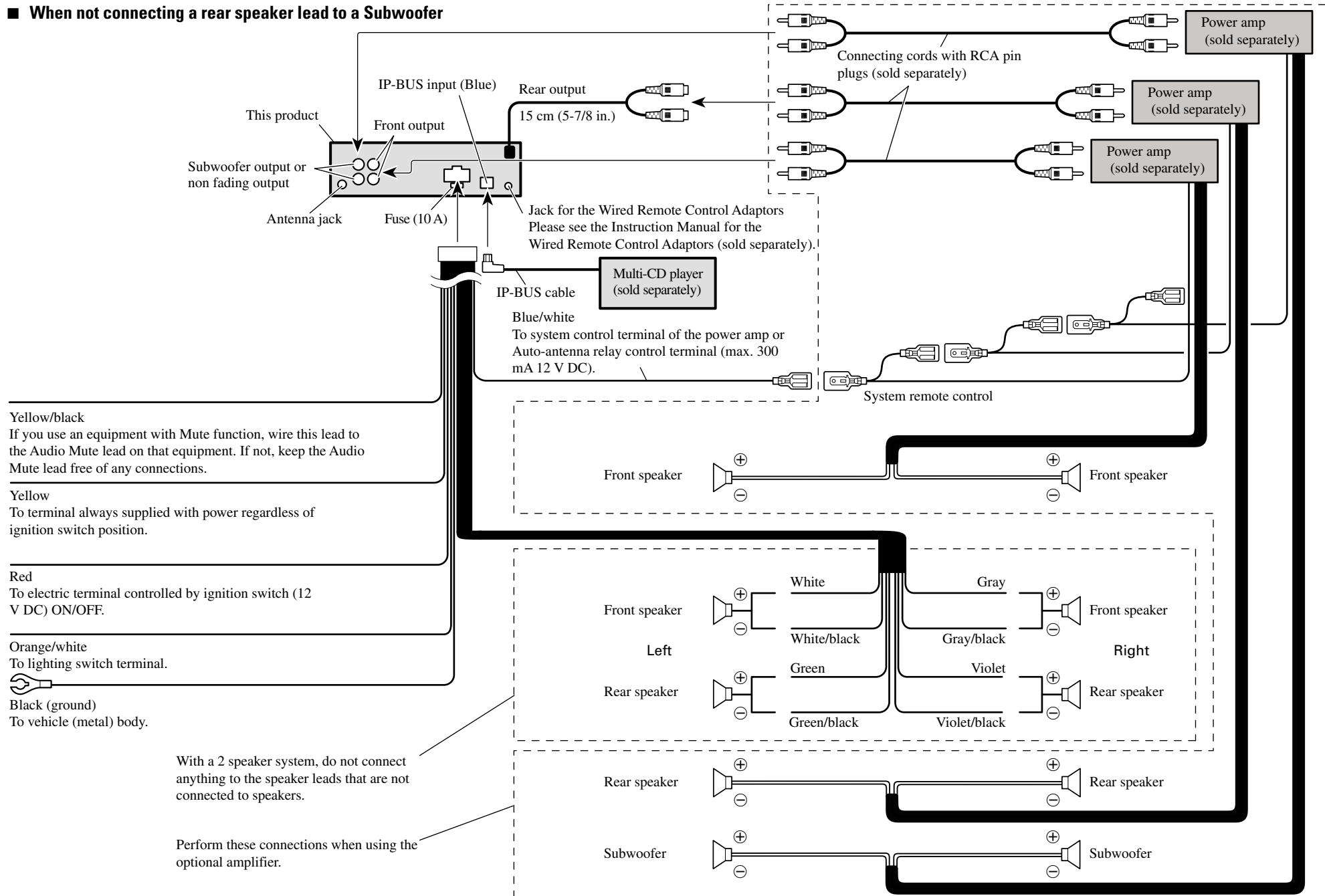
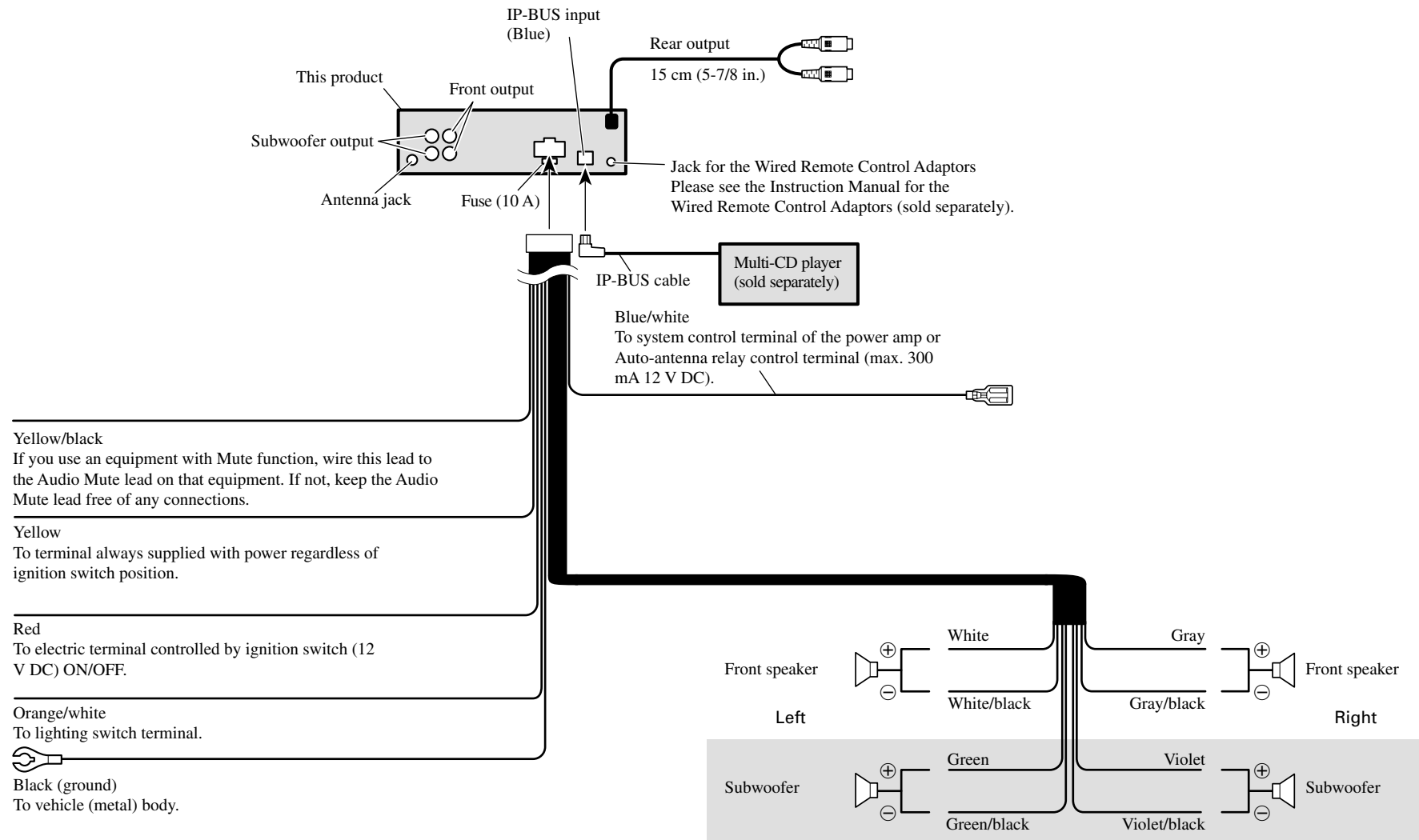


Fig. 2

■ When using a Subwoofer without using the optional amplifier



Note:
Change the initial setting of this unit (refer to the Operation Manual). The subwoofer output of this unit is monaural.

Fig. 3

Installation

Note:

- Before making a final installation of the unit, temporarily connect the wiring to confirm that the connections are correct and the system works 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 60° from horizontal, the unit might not give its optimum performance. (Fig. 4)

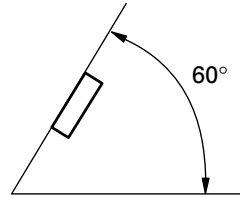


Fig. 4

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.

DIN Front-mount

Installation with the rubber bush (Fig. 5)

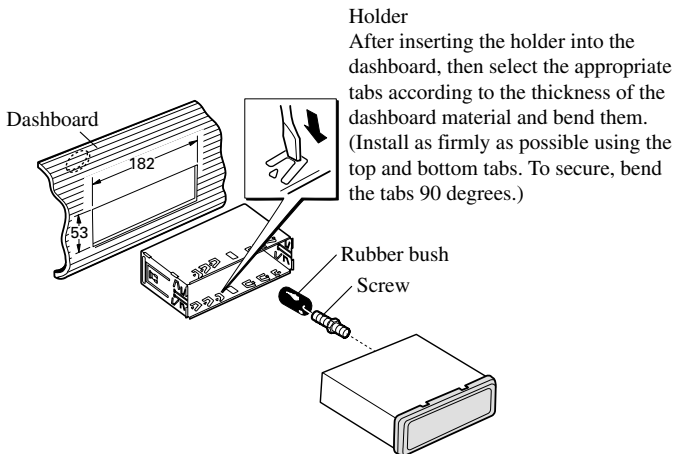


Fig. 5

Removing the unit (Fig. 6) (Fig. 7)

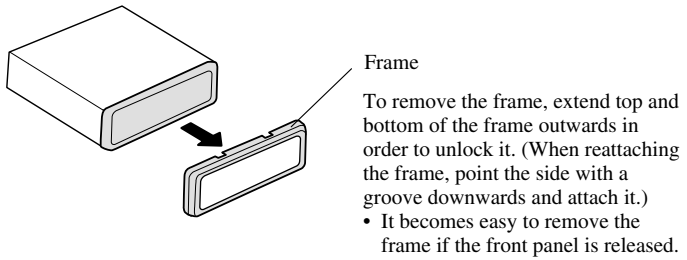


Fig. 6

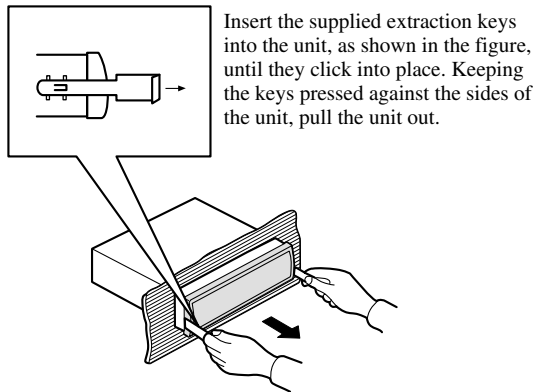


Fig. 7

DIN Rear-mount

Installation using the screw holes on the side of the unit

1. Remove the frame. (Fig. 8)

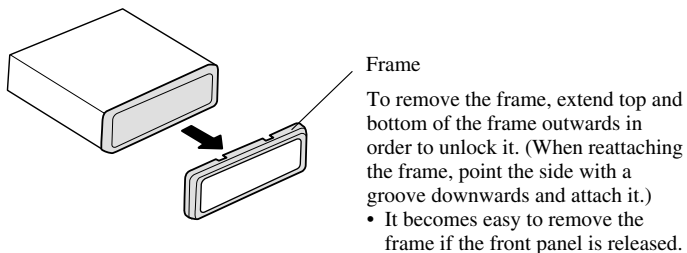


Fig. 8

2. Fastening the unit to the factory radio mounting bracket. (Fig. 9) (Fig. 10)

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.

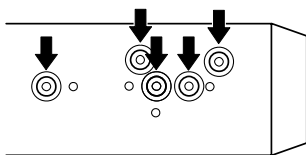


Fig. 9

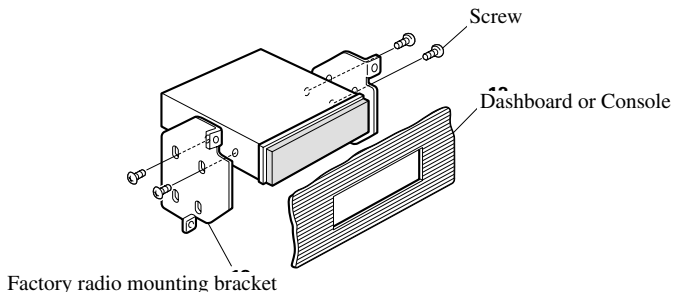


Fig. 10

Fixing the front panel

If you do not operate the removing and attaching the front panel function, use the supplied fixing screws and holders to fix the front panel to this unit.

1. Attach the holders to both sides of the front panel. (Fig. 11)

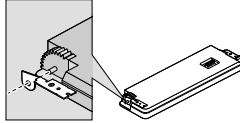


Fig. 11

2. Replace the front panel to the unit. (Fig. 12)

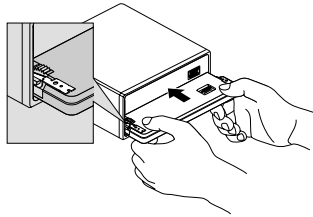


Fig. 12

3. Flip the holders into upright positions. (Fig. 13)

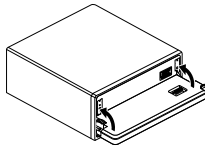


Fig. 13

4. Fix the front panel to the unit using fixing screws. (Fig. 14)

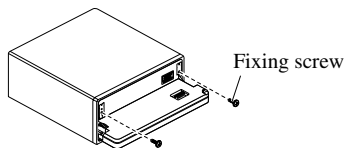


Fig. 14

Note:

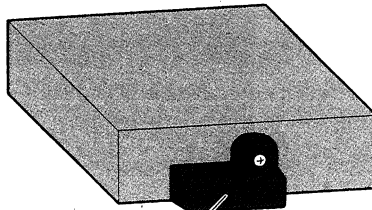
Before installing this unit in your vehicle, refer to the illustration below and remove the tag.
Do not use the parts you have removed (screws etc.) when installing the unit in your vehicle.

Remarque:

Avant d'installer cet appareil dans votre voiture, reportez-vous à l'illustration ci-dessous et retirez cette cosse.
N'utilisez pas les pièces que vous avez retirées (vis, etc.) lors de l'installation de l'appareil dans votre voiture.

Nota:

Antes de instalar esta unidad en su vehículo, refiérase a la ilustración abajo y quite la pieza.
No utilice las partes retiradas (tornillos, etc.) al instalar la unidad en su vehículo.



Tag
Cosse
Pieza

About the Demo Mode

This product features two demonstration modes. One is the Reverse Demo mode, the other is the Feature Demo mode.

Reverse Demo

If you do not perform an operation within about 30 seconds, screen indications start to reverse, and then continue reversing every 10 seconds. Pressing button 5 when power to this product is switched OFF while the ignition switch is set to ACC or ON cancels the Reverse Demo mode. Pressing button 5 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 button 6 during Feature Demo operation cancels the Feature Demo mode. Pressing button 6 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.

Note:

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

Quelques mots sur la démonstration

Cet appareil possède deux modes de démonstration: démonstration inverse et démonstration des possibilités.

Démonstration inverse

Si vous n'effectuez aucune opération pendant environ 30 secondes, les indications s'affichent sur l'écran dans l'ordre inverse et cela à intervalle de 10 secondes. Vous pouvez annuler le mode de démonstration inverse en appuyant sur la touche 5 alors que l'appareil n'est pas sous tension et que le contacteur d'allumage est sur la position ACC, ou ON. Appuyez de nouveau sur la touche 5 pour commencer la démonstration inverse.

Démonstration des possibilités

La démonstration des possibilités commence aussitôt que l'appareil est mis hors tension alors que le contacteur d'allumage est sur la position ACC, ou ON.

Vous pouvez annuler le mode de démonstration des possibilités en appuyant sur la touche 6 tandis que cette démonstration est en cours. Appuyez de nouveau sur la touche 6 pour commencer la démonstration des possibilités.

Sachez que si la démonstration des possibilités se poursuit alors que le moteur du véhicule est arrêté, la batterie peut être complètement déchargée.

Remarque:

- Vous ne pouvez pas annuler un mode de démonstration quand le panneau avant est ouvert.
- Le fil rouge (ACC) de cet appareil doit être relié à une borne couplée avec le fonctionnement de l'interrupteur d'allumage. Sinon, la batterie risque de se décharger.

Acerca del modo de demostración

Este producto presenta dos modos de demostraciones. Uno es el modo de demostración de retroceso, el otro es el modo de demostración de característica.

Demostración de retroceso

Si no realiza ninguna operación dentro de 30 segundos, las indicaciones de la pantalla comienzan a retroceder, y luego continúan retrocediendo cada 10 segundos. Al presionar el botón 5 cuando se desactiva este producto, mientras el interruptor de encendido se ajusta a ACC y ON cancela el modo de demostración de retroceso. Presione el botón 5 nuevamente para iniciar la demostración de retroceso.

Demostración de característica

La demostración de característica se inicia cuando la alimentación de este producto se desactiva mientras el interruptor de encendido se ajusta a ACC u ON. La presión del botón 6 durante la operación de demostración de característica cancela el modo de demostración de característica. Presione el botón 6 nuevamente para iniciar la demostración de característica. Tenga en cuenta que si la demostración de característica continúa funcionando cuando se apaga el motor del coche, la batería puede agotarse.

Nota:

- No se puede cancelar el modo de demostración, cuando el panel delantero está abierto.
- El cable rojo (ACC) de este producto se debe conectar al terminal acoplado con las operaciones de activación/desactivación del encendido. Caso contrario, la batería del vehículo puede drenarse.

Sobre o modo de demonstração

Este produto vem com dois modos de demonstração. Um é o modo de demonstração inversa e o outro é o modo de demonstração de funções.

Demonstração inversa

Se você não realizar nenhuma operação dentro de 30 segundos, as indicações no mostrador começam a inverter-se, continuando a inverter-se cada 10 segundos. Pressionar o botão 5 com o produto desligado e com a chave de ignição em ACC ou ON cancela o modo de demonstração inversa. Pressione o botão 5 de novo para iniciar a demonstração inversa.

Demonstração das funções

A demonstração das funções começa automaticamente quando o produto é desligado com a chave de ignição na posição ACC ou ON.

Pressionar o botão 6 durante a demonstração das funções cancela o modo de demonstração das funções. Pressione o botão 6 de novo para iniciar a demonstração das funções. Lembre-se de que se a demonstração das funções continuar funcionando com o motor do automóvel desligado, ela pode esgotar a bateria.

Nota:

- Não é possível cancelar o modo de demonstração quando o painel frontal está aberto.
- O cabo vermelho (ACC) deste produto deve ser conectado ao terminal acoplado com as operações de ligar/desligar da chave de ignição. Caso contrário, a bateria do veículo pode drenar-se.

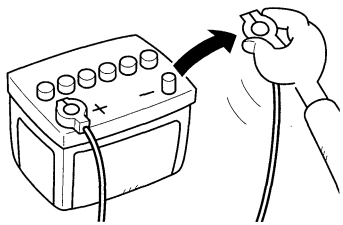


Fig.1

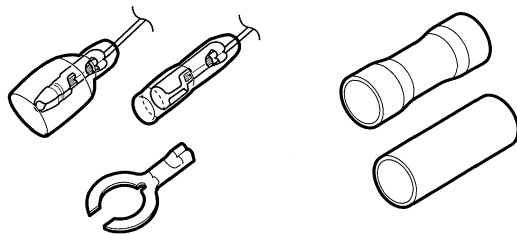


Fig.2

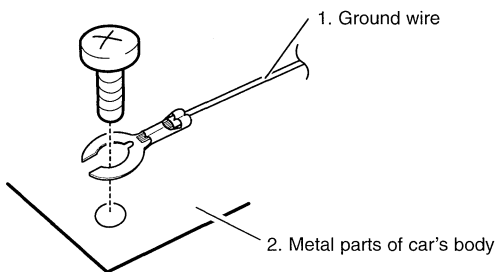


Fig.3

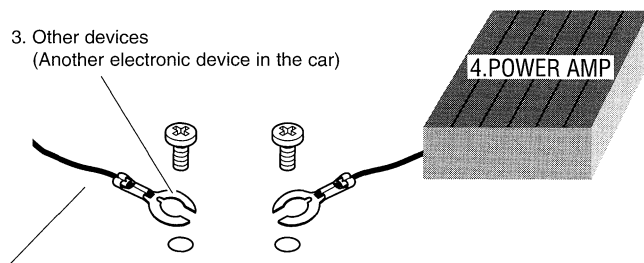


Fig.4

WARNING

Always follow the instructions below when connecting or installing parts. Not following the instructions below may result in the malfunction of this unit. Additionally, if the parts to this unit malfunction the unit may emit smoke or catch fire.

- Always remove a connector from the \ominus battery terminal before beginning any connection or installing work. (Fig.1)
- Ensure that the power cord, the ground wire and the speaker are all properly connected. We recommend that you use a plug and a receptacle, solderless contact and a Y connector. (Fig.2)
- When installing this unit, always connect the ground wire first. Ensure that the ground wire is properly connected to metal parts of the car's body. (Fig.3)
 1. Ground wire
 2. Metal parts of car's body
- Connect to this unit only high-powered speakers of over 50W and with impedance between 4 and 8 ohms. Though there are speaker systems with low impedance between 1 and 3 ohms, you must not connect these to this unit.
- When connecting the power amp (sold separately) to this unit ensure that the ground wire for the power amp is properly connected to metal parts of the car's body. Connect the ground wire of the power amp with a different screw from the one you used to connect the ground wire for this unit or any other device. Should the screw for the power amp's ground wire loosen or fall out, it may result in this unit emitting smoke or malfunctioning. (Fig.4)
- 3. Other devices (Another electronic device in the car)
- 4. POWER AMP
- Cover any terminals not connected with insulation tape so they do not make contact with metal.
- Do not change the speaker connections while this unit is in operation.

If you have any questions regarding the connection or installation or parts, consult your local dealer.

ADVERTENCIA

Siga siempre estas instrucciones antes de conectar o instalar piezas. De lo contrario, puede que esta unidad no funcione correctamente. Además, si las piezas de esta unidad no funcionan correctamente, la unidad puede expulsar humo o fuego.

- Extraiga siempre un conector del terminal de batería \ominus antes de realizar cualquier conexión o instalación. (Fig.1)
- Asegúrese de que el cable de corriente, el cable de conexión a tierra y el altavoz están correctamente conectados. Le recomendamos que utilice un enchufe y un receptáculo, un contacto sin soldadura y un conector en Y. (Fig.2)
- Cuando instale esta unidad, conecte siempre el cable de conexión a tierra en primer lugar. Asegúrese de que el cable de conexión a tierra está correctamente conectado a las partes metálicas de la carrocería del automóvil. (Fig.3)
 1. Cable de conexión a tierra
 2. Partes metálicas de la carrocería del automóvil
- Conecte a esta unidad únicamente altavoces de alta potencia, de más de 50 W y con una impedancia de entre 4 y 8 ohmios. Aunque existen sistemas de altavoces con baja impedancia entre 1 y 3 ohmios, no debe conectarlos a esta unidad.
- Cuando conecte el amplificador de potencia (vendido por separado) a esta unidad, asegúrese de que el cable de conexión a tierra del amplificador de potencia está conectado correctamente a las partes metálicas de la carrocería del automóvil. Conecte el cable de conexión a tierra del amplificador de potencia con un tornillo distinto del utilizado para conectar el cable de conexión a tierra de esta unidad o cualquier otro dispositivo. En caso de que el tornillo del cable de conexión a tierra del amplificador de potencia se afloje o se suelte, la unidad puede expulsar humo o dejar de funcionar correctamente. (Fig.4)
- 3. Otros dispositivos (otro dispositivo electrónico del automóvil)
- 4. AMPLIFICADOR DE POTENCIA
- Cubra cualquier terminal no conectado con cinta aislante para que no haga contacto con el metal.
- No cambie las conexiones del altavoz mientras esta unidad esté en funcionamiento.

Si tiene alguna pregunta en relación con la conexión o la instalación de piezas, consulte a su distribuidor local.

AVERTISSEMENT

Veillez toujours suivre les instructions indiquées ci-dessous lors du branchement ou de l'installation des pièces. Ne pas suivre les instructions indiquées ci-dessous peut entraîner un mauvais fonctionnement de l'unité. En outre, si les pièces de cette unité fonctionnent mal, de la fumée pourra sortir de l'unité ou cette dernière pourra prendre feu.

- Assurez-vous de toujours enlever un connecteur de la prise \ominus de la batterie avant de effectuer un branchement ou un travail d'installation. (Fig.1)
- Assurez-vous que le cordon d'alimentation, le fil de terre et l'enceinte sont branchés correctement. Nous vous recommandons d'utiliser une fiche et une prise de courant (femelle), un contact sans soudure et un raccord en Y. (Fig.2)
- Quand vous installez l'unité, veuillez toujours brancher le fil de terre en premier. Assurez-vous que le fil de terre est branché correctement aux pièces métalliques de la carrosserie de la voiture. (Fig.3)
 1. Fil de terre
 2. Pièces métalliques de la carrosserie de la voiture
- Assurez-vous de ne brancher à cette unité que des enceintes à haute puissance de plus de 50 W et d'une impedância entre 4 et 8 ohms. Même s'il existe des systèmes d'enceintes avec une impedância basse entre 1 et 3 ohms, vous ne devez pas brancher ce type d'enceintes à l'unité.
- Quand vous branchez l'amplificateur de puissance (vendu séparément) à cette unité, assurez-vous que le fil de terre de l'amplificateur de puissance est branché correctement aux pièces métalliques de la carrosserie de la voiture. Branchez le fil de terre de l'amplificateur de puissance avec un tournevis différent de celui que vous avez utilisé pour brancher le fil de terre à l'unité ou un autre dispositif. Si la vis du fil de terre de l'amplificateur de puissance se desserre ou tombe, de la fumée pourra sortir de l'unité ou elle fonctionnera mal. (Fig.4)
- 3. Autres dispositifs (Un autre dispositif électronique dans la voiture)
- 4. AMPLIFICATEUR DE PUISSANCE
- Couvrez toutes les prises qui ne sont pas branchées avec du ruban isolant pour qu'elles ne soient pas en contact avec du métal.
- Ne changez pas les branchements de l'enceinte quand l'unité est en marche.

Si vous avez des questions sur le branchement ou l'installation des pièces, veuillez consulter votre revendeur local.

ADVERTÊNCIA

Siga sempre as seguintes instruções quando realizar a ligação ou instalação de peças. O não cumprimento das seguintes instruções pode resultar no funcionamento incorrecto desta unidade. Para além disso, se as peças desta unidade não funcionarem correctamente, a unidade pode produzir fumo e incendiar.

- Retire sempre um ligador do terminal da bateria \ominus antes de realizar qualquer trabalho de ligação ou instalação. (Fig.1)
- Certifique-se de que o cabo de alimentação, o fio terra e a coluna estão devidamente ligados. Recomendamos a utilização de uma ficha e de uma tomada, de um contacto sem solda e de um conector em Y. (Fig.2)
- Quando instalar esta unidade, ligue sempre em primeiro lugar o fio terra. Certifique-se de que o fio terra está devidamente ligado a partes metálicas da carroçaria do automóvel. (Fig.3)
 1. Fio terra
 2. Peças metálicas da carroçaria do automóvel
- Ligue a esta unidade apenas a colunas de elevado desempenho com potência superior a 50W e com impedância entre 4 e 8 ohms. Embora existam colunas com baixa impedância, entre 1 e 3 ohms, não deve ligá-las a esta unidade.
- Quando ligar o amplificador (vendido em separado) a esta unidade, certifique-se de que o fio terra para o amplificador está devidamente ligado a peças metálicas da carroçaria do automóvel. Ligue o fio terra do amplificador com um parafuso diferente do utilizado para ligar o fio terra a esta unidade ou a qualquer outro dispositivo. Se o parafuso do amplificador se soltar ou cair, poderá fazer com que a unidade comece a deitar fumo ou a funcionar mal. (Fig.4)
- 3. Outros dispositivos (Outra unidade electrónica no automóvel)
- 4. AMPLIFICADOR
- Tape todos os terminais não ligados com fita isoladora de forma a que não fiquem em contacto com o metal.
- Não mude as ligações das colunas enquanto a unidade estiver a funcionar.

Em caso de dúvidas relacionadas com a ligação ou instalação de peças, consulte o seu distribuidor local.



PIONEER ELECTRONICS (USA) INC.

PIONEER ELECTRONICS OF CANADA, INC.

LIMITED WARRANTY

WARRANTY VALID ONLY IN COUNTRY OF PRODUCT PURCHASE

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THIS LIMITED WARRANTY APPLIES TO THE ORIGINAL OR ANY SUBSEQUENT OWNER OF THIS PIONEER PRODUCT DURING THE WARRANTY PERIOD PROVIDED THE PRODUCT WAS PURCHASED FROM AN AUTHORIZED PIONEER DISTRIBUTOR/DEALER IN THE U.S.A. OR CANADA. YOU WILL BE REQUIRED TO PROVIDE A SALES RECEIPT OR OTHER VALID PROOF OF PURCHASE SHOWING THE DATE OF ORIGINAL PURCHASE OR, IF RENTED, YOUR RENTAL CONTRACT SHOWING THE PLACE AND DATE OF FIRST RENTAL. IN THE EVENT SERVICE IS REQUIRED, THE PRODUCT MUST BE DELIVERED WITHIN THE WARRANTY PERIOD, TRANSPORTATION PREPAID, ONLY FROM WITHIN THE COUNTRY OF PURCHASE AS EXPLAINED IN THIS DOCUMENT. YOU WILL BE RESPONSIBLE FOR REMOVAL AND INSTALLATION OF THE PRODUCT. PUSA OR POC, AS APPROPRIATE, WILL PAY TO RETURN THE REPAIRED OR REPLACEMENT PRODUCT TO YOU WITHIN THE COUNTRY OF PURCHASE.

PRODUCT WARRANTY PERIOD

	<u>Parts</u>	<u>Labor</u>
Car Stereo Products	1 Year	1 Year

The warranty period for retail customers who rent the product commences upon the date product is first put into use (a) during the rental period or (b) retail sale, whichever occurs first.

WHAT IS NOT COVERED

IF THIS PRODUCT WAS PURCHASED FROM AN UNAUTHORIZED DISTRIBUTOR, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND THIS PRODUCT IS SOLD STRICTLY "AS IS" AND "WITH ALL FAULTS".

PIONEER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL AND/OR INCIDENTAL DAMAGES. PIONEER DOES NOT WARRANT ANY PRODUCT LISTED ABOVE WHEN IT IS USED IN A TRADE OR BUSINESS OR IN ANY INDUSTRIAL OR COMMERCIAL APPLICATION.

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THIS WARRANTY DOES NOT COVER DISPLAY SCREENS DAMAGED BY STATIC, NON-MOVING, IMAGES APPLIED FOR LENGTHY PERIODS (BURN-IN).

THIS WARRANTY DOES NOT COVER THE CABINET OR ANY APPEARANCE ITEM, USER ATTACHED ANTENNA, ANY DAMAGE TO RECORDS OR RECORDING TAPES OR DISCS, ANY DAMAGE TO THE PRODUCT RESULTING FROM ALTERATIONS, MODIFICATIONS NOT AUTHORIZED IN WRITING BY PIONEER, ACCIDENT, MISUSE OR ABUSE, DAMAGE DUE TO LIGHTNING OR TO POWER SURGES, SUBSEQUENT DAMAGE FROM LEAKING, DAMAGE FROM INOPERATIVE BATTERIES, OR THE USE OF BATTERIES NOT CONFORMING TO THOSE SPECIFIED IN THE OWNER'S MANUAL.

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ALTERED, DEFACED, OR REMOVED SERIAL NUMBERS VOID THIS ENTIRE WARRANTY

NO OTHER WARRANTIES

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IN CANADA - EXCEPT AS EXPRESSLY PROVIDED HEREIN, THERE ARE NO REPRESENTATIONS, WARRANTIES, OBLIGATIONS OR CONDITIONS, IMPLIED, STATUTORY OR OTHERWISE, APPLICABLE TO THIS PRODUCT.

TO OBTAIN SERVICE

In the U.S.A. or Canada to receive warranty service you need to present your sales receipt or your rental contract showing place and date of original owner's transaction.

USA - Please contact one of the following Pioneer partners to obtain service:

Your Authorized Pioneer Dealer - Your Pioneer Dealer may repair or replace your unit, or refer you to an Authorized Pioneer Service Company. Your sales receipt should list the contact information (phone number, fax, email, etc.) for your Dealer.

Your Authorized Pioneer Service Company - Can perform repairs for most Car Electronics products and can advise other options as applicable. Please access the Pioneer website at www.pioneerelectronics.com and click on Service and Support and select Authorized Service Locator to find the nearest Pioneer servicer.

Pioneer Electronics Service - Can advise the optimal service option for your model and geographic location. Please reference the information listed below and phone, email or access the Pioneer website to contact Pioneer.

CANADA - POC has a number of Authorized Service Companies should your product require service. Contact Pioneer of Canada as listed below to obtain a local service location.

Shipping Your Unit for Service - Please package it carefully and send it, transportation prepaid by a traceable, insured method, to an Authorized Service Company or Pioneer. Use adequate padding material to prevent damage in transit. Include your name, address and telephone number where you can be reached during business hours.

On all complaints and concerns in the U.S.A. call Customer Support at 1-800-421-1404, or, in Canada, call Customer Satisfaction at (905) 479-4411.

IN THE U.S.A.

For hook-up and operation of your unit or to locate an Authorized Service Company, please call or write: PIONEERELECTRONICSSERVICE, INC. P.O. BOX 1760 LONG BEACH, CALIFORNIA 90801 1-800-421-1404 http://www.pioneerelectronics.com

IN CANADA

For additional information on this warranty, please call or write: CUSTOMERSATISFACTIONGROUP PIONEER ELECTRONICS OF CANADA, INC. 300 ALLSTATE PARKWAY MARKHAM, ON L3R 0P2 (905) 479-4411 1-877-283-5901 http://www.pioneerelectronics.com

DISPUTE RESOLUTION

IN THE U.S.A. - Following our response to any initial request to Customer Support, should a dispute arise between you and Pioneer, Pioneer makes available its Complaint Resolution Program to resolve the dispute. The Complaint Resolution Program is available to you without charge. You are required to use the Complaint Resolution Program before you exercise any rights under, or seek any remedies, created by Title I of the Magnuson-Moss Warranty-Federal Trade Commission Improvement Act, 15 U.S.C. 2301 et seq. To use the Complaint Resolution Program call 1-800-421-1404 and explain to the customer service representative the problem you are experiencing, steps you have taken to have the product repaired during the warranty period and the name of the authorized Distributor/Dealer from whom the Pioneer product was purchased. After the complaint has been explained to the representative, a resolution number will be issued. Within 40 days of receiving your complaint, Pioneer will investigate the dispute and will either: (1) respond to your complaint in writing informing you what action Pioneer will take, and in what time period, to resolve the dispute; or (2) respond to your complaint in writing informing you why it will not take any action.

IN CANADA - Call the Customer Satisfaction Manager at (905) 946-7446 to discuss your complaint and to obtain a prompt resolution.

RECORD THE PLACE AND DATE OF PURCHASE FOR FUTURE REFERENCE

Model No. _____ Serial No. _____ Purchase Date _____
Purchased From _____

KEEP THIS INFORMATION AND YOUR SALES RECEIPT IN A SAFE PLACE

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