# Pioneer *sound.vision.soul*

## 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-P5500MP

**SUPER TUNER III D**

# Contents

*Thank you* for buying this Pioneer product.

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

# Contents

## *Dear Customer:*

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion—and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

**To establish a safe level:**

• Start your volume control at a low setting.

• Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

**Once you have established a comfortable sound level:**

• Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

# We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

**Decibel**

| Level | Example |
|-------|---------|
| 30 | Quiet library, soft whispers |
| 40 | Living room, refrigerator, bedroom away from traffic |
| 50 | Light traffic, normal conversation, quiet office |
| 60 | Air conditioner at 20 feet, sewing machine |
| 70 | Vacuum cleaner, hair dryer, noisy restaurant |
| 80 | Average city traffic, garbage disposals, alarm clock at two feet |

**THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE**

| | |
|-------|---------|
| 90 | Subway, motorcycle, truck traffic, lawn mower |
| 100 | Garbage truck, chain saw, pneumatic drill |
| 120 | Rock band concert in front of speakers, thunderclap |
| 140 | Gunshot blast, jet plane |
| 180 | Rocket launching pad |

Information courtesy of the Deafness Research Foundation.

English

## 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 improper reception.

### 🗲 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 product's potential and to maximize your listening enjoyment.
We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you begin using this unit. It is especially important that you read and observe precautions on the next page and in other sections. ▣

## 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 OP2
(905) 479-4411
1-877-283-5901

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

# Before You Start

## 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. ▣

## Precautions

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.**

• Keep this manual handy as a reference for operating procedures and precautions.
• Always keep the volume low enough so you can hear sounds outside of the car.
• Protect this product from moisture.
• If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed. ▣

## Features

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

**MP3 file playback**
It is possible to 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**
It is possible to play back WMA files recorded on CD-ROM/CD-R/CD-RW (ISO9660 Level 1/ Level 2 standard recordings). ▣

## About WMA



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

English

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, 7.1 or Windows Media Player for Windows XP.

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

### ✐ Notes
- With some applications used to encode WMA files, this unit may not operate correctly.
- With some applications used to encode WMA files, album names and other text information may not be correctly displayed. ▣

## 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.
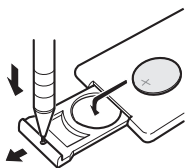


### ⚠ WARNING
Keep the battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.

### ⚠ 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 institution's rules that apply in your country/area.

## Using the remote control

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

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

## About the XM READY mark

The XM READY mark printed on the front panel indicates that the Pioneer XM tuner (sold separately) can be controlled by this unit. Please inquire to your dealer or nearest authorized Pioneer service station regarding the XM tuner that can be connected to this unit. For XM tuner operation, please refer to the XM tuner owner's manual.

### Notes

• XM Satellite Radio is developing a new band of radio in the U.S.A.



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. XM will create and package up to 100 channels of digital-quality music, news, sports, talk and children's programming.

• The XM name and related logos are trademarks of XM Satellite Radio Inc. ▣

## Protecting your unit from theft

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

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

• You can turn off the warning tone. See *Switching the warning tone* on page 39.

### Important

• Never use force or grip the display and the buttons tightly when removing or attaching.

• Avoid subjecting the front panel to excessive shocks.

• Keep the front panel out of direct sunlight and high temperatures.

## Removing the front panel

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

**2   Grip the left side of the front panel and pull it gently outward.**
Take care not to grip it tightly or drop it.
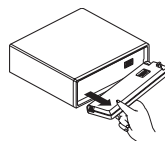


**3   Put the front panel into the protective case provided for safe keeping.**

## Attaching the front panel

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



▣

English
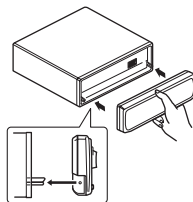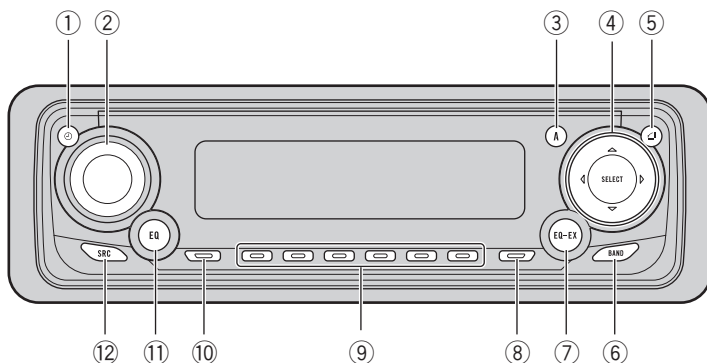


# Head unit

### ① CLOCK button
Press to change to the clock display.

### ② VOLUME
When you press **VOLUME**, it extends outward so that it becomes easier to turn. To retract **VOLUME**, press it again. Rotate to increase or decrease the volume.

### ③ AUDIO button
Press to select various sound quality controls.

### ④ ▲/▼/◄/► buttons
Press to do manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.

### ⑤ OPEN button
Press to open the front panel.

### ⑥ BAND button
Press to select among three FM and one AM bands and cancel the control mode of functions.

### ⑦ EQ-EX button
Press and hold to switch between EQ-EX and SFEQ functions. Press to operate each function.

### ⑧ FUNCTION button
Press to select functions.

### ⑨ 1–6 buttons
Press for preset tuning and disc number search when using a multi-CD player.

### ⑩ DISPLAY button
Press to select different displays.

### ⑪ EQ button
Press to select various equalizer curves.

### ⑫ SOURCE button
This unit is turned on by selecting a source. Press to cycle through all of the available sources. ▣

# Remote control

Operation is the same as when using the button on the head unit.

## What's What
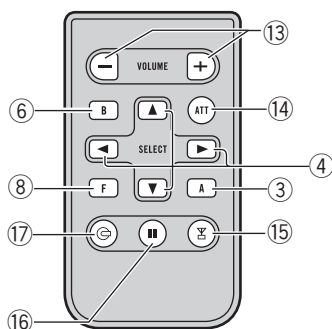


⑬ **VOLUME button**
Press to increase or decrease the volume.

⑭ **ATT button**
Press to quickly lower the volume level, by
about 90%. Press once more to return to the
original volume level.

⑮ **TUNER button**
Press to select the tuner as the source.

⑯ **PAUSE button**
Press to turn pause on or off.

⑰ **CD button**
Press to select the built-in or multi-CD
player as the source. ◼

# Power ON/OFF

## 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 this unit (refer to page 15).

● **When using the head unit, press SOURCE to select a source.**
Press **SOURCE** repeatedly to switch between the following sources:
**XM tuner**—**Tuner**—**Television**—**Built-in CD player**—**Multi-CD player**—**External unit 1**—**External unit 2**—**AUX**

● **When using the remote control, press TUNER or CD to select a source.**
Press each button repeatedly to switch between the following sources:
**TUNER**: **Television**—**Tuner**—**XM tuner**—**Sources off**
**CD**: **Built-in CD player**—**Multi-CD player**—**Sources off**

### 🖉 Notes

• In the following cases, the sound source will not change:
  — When a unit corresponding to each source is not connected to this unit.
  — When no disc is set in this unit.
  — When no magazine is set in the multi-CD player.
  — When the AUX (auxiliary input) is set to off (refer to page 39).
• 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 car's auto-antenna relay control terminal, the car's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off. ▣

## Turning the unit off

● **Press SOURCE and hold until the unit turns off.** ▣

# Listening to the radio
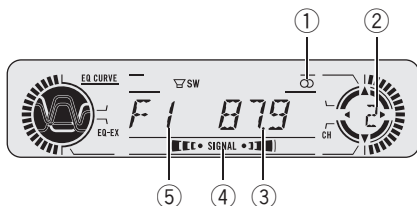


These are the basic steps necessary to operate the radio. More advanced tuner operation is explained starting on the next page.

① **Stereo (◯) indicator**
  Shows that the frequency selected is being broadcast in stereo.

② **Preset number indicator**
  Shows what preset has been selected.

③ **Frequency indicator**
  Shows to which frequency the tuner is tuned.

④ **Signal level indicator**
  Shows the radio wave strength.

⑤ **Band indicator**
  Shows which band the radio is tuned to, AM or FM.

**1 Press SOURCE to select the tuner.**
Press **SOURCE** until you see **TUNER** displayed.

**2 Use VOLUME to adjust the sound level.**
Rotate to increase or decrease the volume.

**3 Press BAND to select a band.**
Press **BAND** until the desired band is displayed, **F1**, **F2**, **F3** for FM or **AM**.

**4 To perform manual tuning, press ◄ or ► with quick presses.**
The frequencies move up or down step by step.

**5 To perform seek tuning, press and hold ◄ or ► for about one second and release.**
The tuner will scan the frequencies until a broadcast strong enough for good reception is found.
■ You can cancel seek tuning by pressing either ◄ or ► with a quick press.
■ If you press and hold ◄ or ► you can skip broadcasting stations. Seek tuning starts as soon as you release the buttons.

## ✐ Note

When the frequency selected is being broadcast in stereo the stereo (◯) indicator will light. ▣

## Introduction of advanced tuner operation
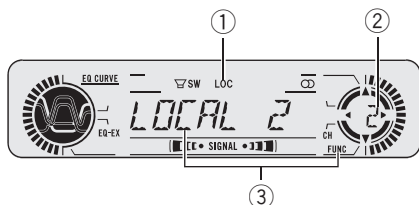


① **LOC indicator**
Shows when local seek tuning is on.

② **Preset number indicator**
Shows what preset has been selected.

③ **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 a preset tuning button 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 **1–6** the radio station frequency is recalled from memory.

### ✐ Notes

• Up to 18 FM stations, 6 for each of the three FM bands, and 6 AM stations can be stored in memory.
• You can also use ▲ and ▼ 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**

English

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 tun-
ing off.**
**LOCALOFF** appears in the display. ▣

# Storing the strongest broadcast frequencies

BSM (best stations memory) lets you automa-
tically store the six strongest broadcast fre-
quencies under preset tuning buttons **1–6** and
once stored there you can tune in to those fre-
quencies with the touch of a 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
order of their signal strength. When finished,
**BSM** stops flashing.
■  To cancel the storage process, press ▼.

## ✐ Note

Storing broadcast frequencies with BSM may re-
place broadcast frequencies you have saved
using **1–6**. ▣

## Built-in CD Player

## Playing a CD
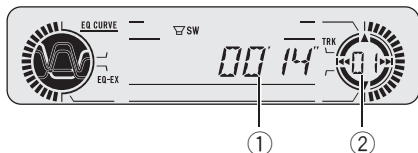


These are the basic steps necessary to play a CD with your built-in CD player. More advanced CD operation is explained starting on the next page.

① **Play time indicator**
  Shows the elapsed playing time of the current track.

② **Track number indicator**
  Shows the track currently playing.

**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.

CD loading slot



**EJECT** button
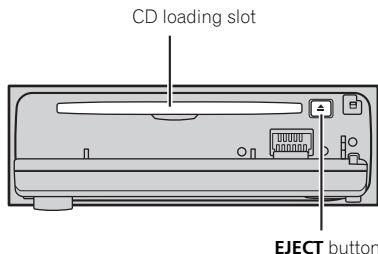
■   You can eject a CD by pressing **EJECT**.

■   To avoid a malfunction, make sure that no metal object comes into contact with the terminals when the front panel is open.

**3   Close the front panel.**

**4   Use VOLUME to adjust the sound level.**
Rotate to increase or decrease the volume.

**5   To perform fast forward or reverse, press and hold ◄ or ►.**
■   If you select the search method to **ROUGH**, pressing and holding ◄ or ► enables you to search every ten track in the current disc. (Refer to *Selecting the search method* on page 17.)

**6   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

• The built-in CD player plays one, standard, 12-cm or 8-cm (single) CD at a time. Do not use an adapter when playing 8-cm CDs.
• Do not insert anything other than a CD into the CD loading slot.
• If you cannot insert a disc completely or if after you insert a disc the disc does not play, check that the label side of the disc is up. Press **EJECT** to eject the disc, and check the disc for damage before inserting the disc again.
• ▲ and ▼ can be operated when MP3 or WMA is playing.
• If the built-in CD player does not operate properly, an error message such as **ERROR-11** may be displayed. Refer to *Understanding built-in CD player error messages* on page 44.
• When a CD TEXT disc is inserted, the disc and track titles begin to scroll to the left automatically. ▣

## Introduction of advanced built-in CD player operation
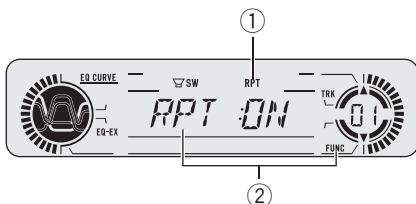


① **RPT indicator**
Shows when repeat play is turned on.

② **Function display**
Shows the function status.

● **Press FUNCTION to display the function names.**
Press **FUNCTION** repeatedly to switch between the following functions:
**RPT** (repeat play)—**RDM** (random play)
—**SCAN** (scan play)—**PAUSE** (pause)
—**FF/REV** (search method)—**TAG** (tag display)

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

### Notes

- When playing audio data (CD-DA), it is not effective even if you turn **TAG** (tag display) on. (Refer to page 23.)
- 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 RPT.**
Press **FUNCTION** until **RPT** appears in the display.

**2   Press ▲ to turn repeat play on.**
**RPT :ON** appears in the display. The track currently playing will play and then repeat.

**3   Press ▼ to turn repeat play off.**
**RPT :OFF** appears in the display. The track currently playing will continue to play and then play the next track.

### Note

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

## Playing tracks in a random order

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

**1   Press FUNCTION to select RDM.**
Press **FUNCTION** until **RDM** appears in the display.

**2   Press ▲ to turn random play on.**
**RDM :ON** appears in the display. Tracks will play in a random order.

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

## Built-in CD Player

**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. ▣

## Selecting the search method

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

**1   Press FUNCTION to select FF/REV.**
Press **FUNCTION** until **FF/REV** appears in the display.
▪ If the search method **ROUGH** has been previously selected, **ROUGH** 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** – Searching every 10 track ▣

## Searching every 10 track in the current disc

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

**1   Select the search method ROUGH.**
Refer to *Selecting the search method* on this page.

**2   Press and hold ◄ or ► to search every 10 track in a disc.**
▪ If a disc contains less than 10 tracks, pressing and holding ► recalls the last track of a disc. Also, if the remaining number of tracks after searching every 10 tracks are less than 10, pressing and holding ► recalls the last track of a disc.

■  If a disc contains less than 10 tracks, pressing and holding ◄ recalls the first track of a disc. Also, if the remaining number of tracks after searching every 10 tracks are less than 10, pressing and holding ◄ recalls the first track of a 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

Disc title input lets you input CD titles up to 8 letters long and up to 48 disc titles into the built-in CD player.

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

**2    Press FUNCTION and hold until TITLE IN appears in the display.**
■  When playing a CD TEXT disc, you cannot switch to **TITLE IN**. The disc title will have already been recorded on a CD TEXT disc.

**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** order.



**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.**

### ✎ Notes

• Titles remain in memory, even after the disc has been removed from built-in CD player, 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.
• When a multi-CD player that does not support disc title functions is connected, you cannot enter disc titles in this unit.

## Displaying disc titles

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

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between the following settings:
Play time—**DISC TTL** (disc title)
When you select **DISC TTL**, the title of the currently playing disc is shown in the display.
■  If no title has been entered for the currently playing disc, **NO TITLE** is displayed. ▣

## Built-in CD Player

# 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 titles on CD TEXT discs

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between the following settings:
Play time—**DISC TTL** (disc title)—**ART NAME** (disc artist name)—**TRK TTL** (track title) —**ART NAME** (track artist name)
▪ If specific information has not been recorded on a CD TEXT disc, **NO XXXX** will be displayed (e.g., **NO T-TTL**).

## Scrolling titles in the display

This unit can display the first 8 letters only of **DISC TTL**, **ART NAME**, **TRK TTL** and **ART NAME**. When the recorded information is longer than 8 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 title begins to scroll to the left.**
The rest of the title will appear in the display. ▣

# Playing a MP3/WMA
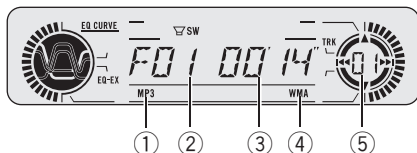


These are the basic steps necessary to play an MP3/WMA with your built-in CD player. More advanced MP3/WMA operation is explained starting on the next page.

① **MP3 indicator**
   Shows when the MP3 file is playing.

② **Folder number indicator**
   Shows the folder number currently playing.

③ **Play time indicator**
   Shows the elapsed playing time of the current track (file).

④ **WMA indicator**
   Shows when the WMA file is playing.

⑤ **Track number indicator**
   Shows the track (file) currently playing.
   • If a track number 100 to 199 is selected, ▶ will light up above the last two digits of the track number.
   • If a track number 200 or more is selected, ▶ will blink above the last two digits of the track number.

**1   Press OPEN to open the front panel.**
CD loading slot appears.
■ After a CD-ROM has been inserted, press **SOURCE** to select the built-in CD player.

**2   Insert a CD-ROM into the CD loading slot.**
Playback will automatically start.

CD loading slot



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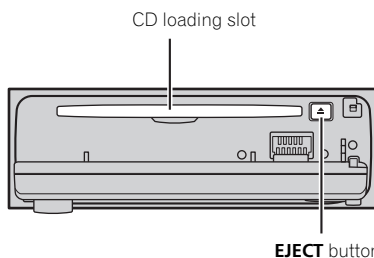
■ You can eject a CD-ROM by pressing **EJECT**.
■ To avoid a malfunction, make sure that no metal object comes into contact with the terminals when the front panel is open.

**3   Close the front panel.**

**4   Use VOLUME to adjust the sound level.**
Rotate to increase or decrease the volume.

**5   Press ▲ or ▼ to select a folder.**
■ You cannot select a folder that does not have an MP3/WMA 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.

**6   To perform fast forward or reverse, press and hold ◀ or ▶.**
■ This is fast forward and reverse operation only for the file being played. This operation is canceled when the previous or next file is reached.
■ If you select the search method to **ROUGH**, pressing and holding ◀ or ▶ enables you to search every ten track in the current folder. (Refer to *Selecting the search method* on page 23.)

**7   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.

# MP3/WMA Player

## ✎ Notes

• When playing discs with MP3/WMA files and audio data (CD-DA) such as CD-EXTRA and MIXED-MODE CDs, both types can be played only by switching mode between MP3/WMA and CD-DA with **BAND**.

• If you have switched between playback of MP3/WMA 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 file recorded on CD-ROM. (Refer to page 45 for files that can be played back.)

• Do not insert anything other than a CD into the CD loading slot.

• There is sometimes a delay between starting up playback and the sound being issued. This is particularly the case when playing back multi-session and many folders. When being read in, **FRMTREAD** 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 the disc again.

• 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 inserted disc contains no files that can be played back, **NO AUDIO** is displayed.

• There is no sound on fast forward or reverse.

• If the built-in CD player does not operate properly, an error message such as **ERROR-11** may be displayed. Refer to *Understanding built-in CD player error messages* on page 44.

• When an MP3/WMA disc is inserted, folder name and file name begin to scroll to the left automatically. ▪

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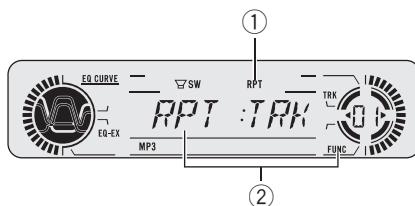


① **RPT indicator**
Shows when repeat range is selected to current track (file).

② **Function display**
Shows the function status.

● **Press FUNCTION to display the function names.**
Press **FUNCTION** repeatedly to switch between the following functions:
**RPT** (repeat play)—**RDM** (random play)
—**SCAN** (scan play)—**PAUSE** (pause)
—**FF/REV** (search method)—**TAG** (tag display)

▪ 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 playback, there are three repeat play ranges: **FLD** (folder repeat), **TRK** (one-track repeat) and **DSC** (repeat all tracks).

**1   Press FUNCTION to select RPT.**
Press **FUNCTION** until **RPT** appears in the display.

**2   Press ◄ or ► to select the repeat range.**
Press ◄ or ► until the desired repeat range appears in the display.
- **FLD** – Repeat the current folder
- **TRK** – Repeat just the current track
- **DSC** – Repeat all tracks

### 📝 Notes

- If you select other folder during repeat play, the repeat play range changes to **DSC**.
- If you perform track search or fast forward/reverse during **TRK**, the repeat play range changes to **FLD**.
- When **FLD** is selected, it is not possible to play back a subfolder of that folder. ▣

## Playing tracks in a random order

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

**1   Select the repeat range.**
Refer to *Repeating play* on the previous page.

**2   Press FUNCTION to select RDM.**
Press **FUNCTION** until **RDM** appears in the display.

**3   Press ▲ to turn random play on.**
**RDM :ON** appears in the display. Tracks will play in a random order within the previously selected **FLD** or **DSC** ranges.

**4   Press ▼ to turn random play off.**
**RDM :OFF** appears in the display. Tracks will continue to play in order.

### 📝 Note

If you turn random play on during **FLD** and then return to the playback display, **FRDM** appears in the display. ▣

## Scanning folders and tracks

While you are using **FLD**, the beginning of each track in the selected folder plays for about 10 seconds. When you are using **DSC**, 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 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 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**.

### 📝 Notes

- After track or folder scanning is finished, normal playback of the tracks will begin again.
- If you turn scan play on during **FLD** and then return to the playback display, **FSCN** appears in the display. ▣

## MP3/WMA Player

## Pausing MP3/WMA playback

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

**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 the search method

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

**1   Press FUNCTION to select FF/REV.**
Press **FUNCTION** until **FF/REV** appears in the display.
■   If the search method **ROUGH** has been previously selected, **ROUGH** 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** – Searching every 10 track ▣

## Searching every 10 track in the current folder

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

**1   Select the search method ROUGH.**
Refer to *Selecting the search method* on this page.

**2   Press and hold ◄ or ► to search every 10 track 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 are 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 are less than 10, pressing and holding ◄ recalls the first track of the folder. ▣

## Switching the tag display

It is possible to turn the tag display on or off, if MP3/WMA disc contains the text information such as track title and artist name.
- • If you turn the tag display off, time to playback will be shorter than when this function is turned on.

**1   Press FUNCTION to select TAG.**
Press **FUNCTION** until **TAG** appears in the display.

**2   Press ▲ to turn tag display on.**
**TAG :ON** appears in the display.

**3    Press ▼ to turn tag display off.**
**TAG :OFF** appears in the display.

### 📝 Note

When you turn the tag display on, this unit returns to the beginning of the current track in order to read the text information. ◼

## Displaying text information on MP3/WMA disc

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

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between the following settings:
Play time—**FOLDER** (folder name)—**FILE** (file name)—**TRK TTL** (track title)—**ART NAME** (artist name)—**ALBM TTL** (album title)
—**COMMENT** (comment)—Bit rate
■  When playing back files recorded as VBR (variable bit rate) files, the bit rate value is not displayed even after switching to bit rate.
■  When you have turned tag display off, you cannot switch to **TRK TTL**, **ART NAME**, **ALBM TTL** and **COMMENT**.
■  If specific information has not been recorded on a MP3/WMA disc, **NO XXXX** will be displayed (e.g., **NO NAME**).
■  With some applications used to encode WMA files, album names and other text information may not be correctly displayed. ◼

## Scrolling text information in the display

This unit can display the first 8 letters only of **FOLDER**, **FILE**, **TRK TTL**, **ART NAME**, **ALBM TTL** and **COMMENT**. When the re-

corded information is longer than 8 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 to the left.**
The rest of the text information will appear in the display. ◼

## Multi-CD Player

## Playing a CD



① ② ③
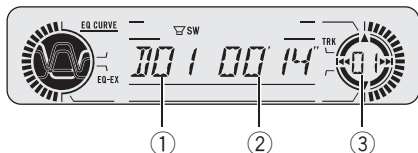
*You can use this unit to control a multi-CD player, which is sold separately.*
These are the basic steps necessary to play a CD with your multi-CD player. More advanced CD operation is explained starting on the next page.

① **Disc number indicator**
Shows the disc currently playing.

② **Play time indicator**
Shows the elapsed playing time of the current track.

③ **Track number indicator**
Shows the track currently playing.

**1 Press SOURCE to select the multi-CD player.**
Press **SOURCE** until you see **MULTI CD** displayed.

**2 Use VOLUME to adjust the sound level.**
Rotate to increase or decrease the volume.

**3 Select a disc you want to listen to with the 1–6 buttons.**
For discs located at 1 to 6, press the corresponding number button.
If you want to select a disc located at 7 to 12, press and hold the corresponding numbers such as **1** for disc 7, until the disc number appears in the display.
■ You can also sequentially select a disc by pressing ▲/▼.

**4 To perform fast forward or reverse, press and hold ◄ or ►.**

**5 To skip back or forward to another track, press ◄ or ►.**
Pressing ► skips to the start of the next track. Pressing ◄ once skips to the start of the current track. Pressing again will skip to the previous track.

### Notes
• When the multi-CD player performs the preparatory operations, **READY** is displayed.
• If the multi-CD player does not operate properly, an error message such as **ERROR-11** may be displayed. Refer to the multi-CD player owner's manual.
• If there are no discs in the multi-CD player magazine, **NO DISC** is displayed.
• When you select a CD TEXT disc on a CD TEXT compatible multi-CD player, the disc and track titles begin to scroll to the left automatically. ▣

## 50-disc multi-CD player

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

**English**

## Introduction of advanced multi-CD player operation
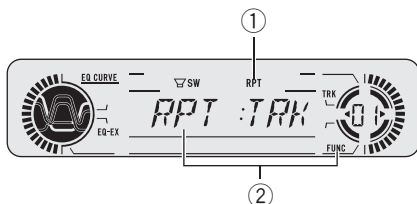


① **RPT indicator**
Shows when repeat range is selected to current track.

② **Function display**
Shows the function status.

● **Press FUNCTION to display the function names.**
Press **FUNCTION** repeatedly to switch between the following functions:
**RPT** (repeat play)—**LIST** (disc title list)—**RDM** (random play)—**SCAN** (scan play)—**ITS-P** (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), **TRK** (one-track repeat) and **DSC** (disc repeat).

**1 Press FUNCTION to select RPT.**
Press **FUNCTION** until **RPT** 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
• **TRK** – Repeat just the current track
• **DSC** – 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 **TRK**, the repeat play range changes to **DSC**. ◼

## Playing tracks in a random order

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

**1 Select the repeat range.**
Refer to *Repeating play* on this page.

**2 Press FUNCTION to select RDM.**
Press **FUNCTION** until **RDM** appears in the display.

**3 Press ▲ to turn random play on.**
**RDM :ON** appears in the display. Tracks will play in a random order within the previously selected **MCD** or **DSC** ranges.

**4 Press ▼ to turn random play off.**
**RDM :OFF** appears in the display. Tracks will continue to play in order.

### 📝 Note

If you turn random play on during **DSC** and then return to the playback display, **DRDM** appears in the display. ▣

## Scanning CDs and tracks

While you are using **DSC**, 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**.

### 📝 Notes

• After track or disc scanning is finished, normal playback of the tracks will begin again.
• If you turn scan play on during **DSC** and then return to the playback display, **DSCN** appears in the display. ▣

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

#### 1 Play a CD that you want to program.
Press ▲ or ▼ to select a CD.

**2 Press FUNCTION and hold until TITLE IN appears in the display, then press FUNCTION to select ITS.**
After **TITLE IN** is displayed, press **FUNCTION** repeatedly, the following functions appear in the display:
**TITLE IN** (disc title input)—**ITS** (ITS programming)

**3 Select a desired track by pressing ◄ or ►.**

**4 Press ▲ to store the currently playing track in the playlist.**
**ITS IN** 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 26.

**2 Press FUNCTION to select ITS-P.**
Press **FUNCTION** until **ITS-P** appears in the display.

**3 Press ▲ to turn ITS play on.**
**ITS-P:ON** appears in the display. Playback begins of those tracks from your playlist within the previously selected **MCD** or **DSC** ranges.

■ If no tracks in the current range are programmed for ITS play then **EMPTY** is displayed.

**4 Press ▼ to turn ITS play off.**
**ITS-P: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

When you want to delete a track from your ITS playlist, you can if ITS play is on.
If ITS play is already on, skip to step 2. If ITS play is not already on, press **FUNCTION**.

**1 Play a CD you want to delete a track from your ITS playlist, and turn ITS play on.**
Refer to *Playback from your ITS playlist* on this page.

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

**3 Select a desired track by pressing ◄ or ►.**

**4 Press ▼ to erase a track from your ITS playlist.**
The currently playing selection is erased from your ITS playlist and playback of the next track from your ITS playlist begins.
■ If there are no tracks from your playlist in the current range, **EMPTY** is displayed and normal play resumes.

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

## Erasing a CD from your ITS playlist

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

**1   Play a CD that you want to delete.**
Press ▲ or ▼ to select a CD.

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

**3   Press ▼ to erase all tracks on the cur-
rently playing CD from your ITS playlist.**
All tracks on the currently playing CD are
erased from your playlist and **ITS CLR** is dis-
played.

**4   Press BAND to return to the playback
display.** ▣

## Using disc title functions

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

## Entering disc titles

Disc title input lets you input CD titles up to 8
letters long and up to 100 disc titles (with ITS
playlist) into the multi-CD player.

**1   Play a CD that you want to enter the
title.**
Press ▲ or ▼ to select a CD.

**2   Press FUNCTION and hold until TITLE IN
appears in the display.**
After **TITLE IN** is displayed, press **FUNCTION**
repeatedly, the following functions appear in
the display:

**TITLE IN** (disc title input)—**ITS** (ITS program-
ming)

▪   When playing a CD TEXT disc on a CD TEXT
compatible multi-CD player, you cannot switch to
**TITLE IN**. The disc title will have already been re-
corded on a CD TEXT disc.

**3   Press ▲ or ▼ to select a letter of the al-
phabet.**
Each press of ▲ will display a letter of the al-
phabet in **A B C ... X Y Z**, numbers and sym-
bols in **1 2 3 ... > [ ]** order. Each press of ▼ will
display a letter in the reverse order, such as **Z
Y X ... C B A** order.



**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.**

### ✎ Notes

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

## Displaying disc titles

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

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between the following settings:
Play time—**DISC TTL** (disc title)
When you select **DISC TTL**, the title of the currently playing disc is shown in the display.
■ If no title has been entered for the currently playing disc, **NO TITLE** is displayed.

## Selecting discs from the disc title list

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

**1 Press FUNCTION to select LIST.**
Press **FUNCTION** until **LIST** 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, title is not 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 spe-

cially encoded CD TEXT discs support the functions listed below.

## Displaying titles on CD TEXT discs

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between the following settings:
Play time—**DISC TTL** (disc title)—**ART NAME** (disc artist name)—**TRK TTL** (track title) —**ART NAME** (track artist name)
■ If specific information has not been recorded on a CD TEXT disc, **NO XXXX** will be displayed (e.g., **NO T-TTL**).

## Scrolling titles in the display

This unit can display the first 8 letters only of **DISC TTL**, **ART NAME**, **TRK TTL** and **ART NAME**. When the recorded information is longer than 8 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 title begins to scroll to the left.**
The rest of the title will appear in the display. ▣

## Using compression and bass emphasis

*You can use these functions only with a multi-CD player that supports them.*
Using COMP (compression) and DBE (dynamic bass emphasis) functions let you adjust the sound playback quality of the multi-CD player. Each of the functions have a two-step adjustment. The COMP function balances the output of louder and softer sounds at higher volumes. DBE boosts bass levels to give playback a fuller sound. Listen to each of the effects as you select through them and use the

one that best enhances the playback of the
track or CD that you are listening to.

**1   Press 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 at-
tempt to select it.

**2   Press ▲ or ▼ to select your favorite set-
ting.**
Press ▲ or ▼ repeatedly to switch between the
following settings:
**COMP OFF**—**COMP 1**—**COMP 2**—
**COMP OFF**—**DBE 1**—**DBE 2** ▣

# Audio Adjustments

## Introduction of audio adjustments
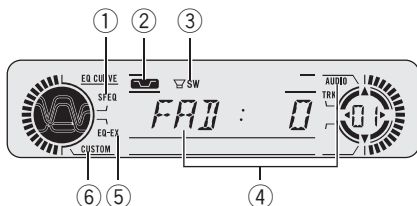


① **SFEQ indicator**
Appears in the display when SFEQ function can be activated.

② **Loudness indicator**
Appears in the display when loudness is turned on.

③ **SW indicator**
Shows when the subwoofer output is turned on.

④ **Audio display**
Shows the audio adjustments status.

⑤ **EQ-EX indicator**
Appears in the display when EQ-EX function can be activated.

⑥ **CUSTOM indicator**
Shows when custom equalizer curve is presently selected.

● **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)—**B** (bass and treble level adjustment)—**LOUD** (loudness)—**SUB, W** (subwoofer on/off setting)/**NOFAD** (non fading output on/off setting)—**80: 0** (subwoofer setting)/**NOFAD** (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 **B**.

■ When the subwoofer controller setting is only **P/O :FUL**, you cannot switch to **SUB, W**. (Refer to page 40.)

■ You can select the **80: 0** only when subwoofer output is turned on in the **SUB, W**.

■ When the subwoofer controller setting is only **P/O :FUL**, you can switch to the non fading output on/off setting. (Refer to page 40.)

■ You can select the non fading output setting only when non fading output is turned on in the non fading 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 compensates for each equalizer curve. Furthermore, you can adjust bass and treble for each source when **CUSTOM** curve is selected.

• If SFEQ has been previously selected, press **EQ-EX** and hold to switch to EQ-EX and **EQ-EX** appears in the display.

● **Press EQ-EX to turn EQ-EX on.**
**EQ-EX:ON** appears in the display. EQ-EX is now on.

■ To turn EQ-EX off, press **EQ-EX**. ▣

# Audio Adjustments

## Setting the sound focus equalizer (SFEQ)

Clarifying the sound image of vocals and instruments allows the simple staging of a natural, pleasant sound environment. Even greater listening enjoyment will be obtained if seating positions are chosen carefully. **FRT1** boosts the treble on the front output and the bass on the rear output. **FRT2** boosts the treble and the bass on the front output and the bass on the rear output. (The bass boost is the same for both front and rear.) For both **FRT1** and **FRT2**, **H** setting provides a more pronounced effect than **L** setting.

**1   Press EQ-EX and hold to switch to SFEQ function.**
Press **EQ-EX** and hold until **SFEQ** indicator appears in the display.
■   To switch to EQ-EX function, press **EQ-EX** and hold.

**2   Press EQ-EX to select the desired SFEQ setting.**
Press **EQ-EX** repeatedly to switch between the following settings:
**FRT1-H** (front 1-high)—**FRT1-L** (front 1-low)
—**FRT2-H** (front 2-high)—**FRT2-L** (front 2-low)
—**CUSTOM** (custom)—**SFEQ OFF** (off)

**3   Press ◄ or ► to select the desired position.**
Press ◄ or ► until the desired position appears in the display.
**L** (left)—**C** (center)—**R** (right)

### 📝 Notes

• If you adjust the bass or treble, **CUSTOM** memorizes an SFEQ setting in which the bass and treble are adjusted for personal preference.
• If you switch the SFEQ setting, the HPF function is automatically turned off. By turning the HPF function on after selecting the SFEQ setting, you can combine HPF function with SFEQ function. ▣

## Using balance adjustment

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

**1   Press 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 :F15** – **FAD :R15** is displayed as the front/rear speaker balance moves from front to rear.
■   **FAD : 0** is the proper setting when only two speakers are used.
■   When the rear output setting is **R-SP :S/W**, you cannot adjust front/rear speaker balance. Refer to *Setting the rear output and subwoofer controller* on page 40.

**3   Press ◄ or ► to adjust left/right speaker balance.**
When you press ◄ or ►, **BAL : 0** is displayed. Each press of ◄ or ► moves the left/right speaker balance towards the left or the right.
**BAL : L9** – **BAL : R9** is displayed as the left/right speaker balance moves from left to right. ▣

## 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 |
|---------|-----------------|
| **SPR-BASS** | Super bass |
| **POWERFUL** | Powerful |
| **NATURAL** | Natural |
| **VOCAL** | Vocal |
| **CUSTOM** | Custom |
| **EQ 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 curve settings will be memorized in **CUSTOM**.
• When **EQ 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 **EQ FLAT** and a set equalizer curve.

● **Press EQ to select the equalizer.**
Press **EQ** repeatedly to switch between the following equalizer:
**SPR-BASS—POWERFUL—NATURAL—VOCAL—CUSTOM—EQ FLAT**

## 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-L** (low)—**EQ-M** (mid)—**EQ-H** (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-L/EQ-M/EQ-H**).
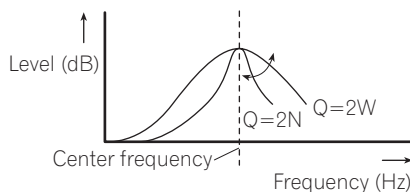


**1   Press AUDIO and hold until frequency and the Q factor (e.g., F- 80:Q1W) appears in the display.**

# Audio Adjustments

**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—**B** (bass adjustment)—**T** (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 **B** and **T**.

**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: **3k**—**8k**—**10k**—**12k** (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

You can adjust bass and treble settings.
• 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 adjust bass and treble settings.
• If SFEQ has been set to **FRT1**, bass adjustment affects only the rear output: front output cannot be adjusted.

• If SFEQ has been set to **FRT1** or **FRT2**, treble adjustment affects only the front output: rear output cannot be adjusted.

## Adjusting bass and treble level

You can adjust the bass and treble level.

**1 Press AUDIO to select B.**
Press **AUDIO** until **B** appears in the display.
▪ If the treble level has been previously adjusted, **T** will be displayed.

**2 Press ◄ or ► to select bass or treble.**
Press ◄ and **B** is displayed. Press ► and **T** 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.

## 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:Q1W) appears in the display.**

**2 Press AUDIO to select B.**
Press **AUDIO** until **B** 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:Q1W) appears in the display.**

**2    Press AUDIO to select T.**
Press **AUDIO** until **T** appears in the display.

**3    Press ◄ or ► to select the desired frequency.**
Press ◄ or ► until the desired frequency appears in the display.
**2k**—**4k**—**6k**—**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)—**HI** (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, W.**
Press **AUDIO** until **SUB, W** appears in the display.
▪ When the subwoofer controller setting is **P/O :FUL**, you cannot select **SUB, W**.

**2    Press ▲ to turn subwoofer output on.**
**SUB, W:NOR** appears in the display. Subwoofer output is now on.
▪ If the subwoofer output phase has been set to the reverse, **SUB, W:REV** will be displayed.
▪ 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 **NOR** 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 80: 0.**
Press **AUDIO** until **80: 0** appears in the display.
▪ When the subwoofer output is on, you can select **80: 0**.
▪ If the subwoofer setting has been previously adjusted, the frequency of that previously selected will be displayed instead of **80**.

**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 output from the subwoofer.

## Audio Adjustments

**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 non fading output

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

**1   Press AUDIO to select non fading output on/off setting.**
Press **AUDIO** until **NOFAD:ON** appears in the display.
▪ When the subwoofer controller setting is only **P/O :FUL**, you can switch to the non fading output on/off setting. (Refer to page 40.)

**2   Press ▲ to turn non fading output on.**
**NOFAD:ON** appears in the display. Non fading output is now on.
▪ To turn non fading output off, press ▼.

## Adjusting non fading output level

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

**1   Press AUDIO to select non fading output setting.**
Press **AUDIO** until **NOFAD: 0** appears in the display.

**2   Press ▲ or ▼ to adjust the output level of the non fading.**
Each press of ▲ or ▼ increases or decreases the level of the non fading. **+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 the HPF (high pass filter) on. Only frequencies higher than those in the selected range are output 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** appears in the display. High pass filter is now on.
▪ If the high pass filter has been previously adjusted, the frequency of that previously selected will be displayed instead of **HPF : 80**.
▪ 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)
Only frequencies higher than those in the selected range are output from the front or rear speakers.

### 🖉 Note

If you switch the SFEQ setting, the HPF function is automatically turned off. By turning the HPF function on after selecting the SFEQ setting, you can combine HPF function with SFEQ function. ▣

# Adjusting source levels

SLA (source level adjustment) lets you adjust the volume level of each source to prevent radical changes in volume when switching between sources.
• Settings are based on the volume level of the FM tuner, which remains unchanged.

## Audio Adjustments

**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

- Since the FM tuner volume is the control, it is not possible to apply source level adjustments to the FM tuner.
- The AM tuner volume level can also be adjusted with source level adjustments.
- 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. ▣

# Initial Settings

## Adjusting initial settings



① 
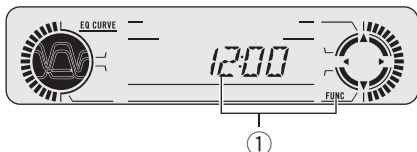
Initial settings lets you perform initial set up of different settings for this unit.

① **Function display**
   Shows the function status.

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

**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—**WARN** (warning tone)—**AUX** (auxiliary input)—**DIMMR** (dimmer)—**R-SP** (rear output and subwoofer controller)—**TEL** (telephone)
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 WARN.**
Press **FUNCTION** repeatedly until **WARN** appears in the display.

**2   Press ▲ or ▼ to turn WARN on or off.**
Pressing ▲ or ▼ will turn **WARN** on or off and that status will be displayed (e.g., **WARN :ON**). ▣

## 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 switch dimmer on or off.

**1   Press FUNCTION to select DIMMR.**
Press **FUNCTION** repeatedly until **DIMMR** appears in the display.

**2   Press ▲ or ▼ to turn DIMMR on or off.**
Pressing ▲ or ▼ will turn **DIMMR** on or off and that status will be displayed (e.g., **DIMMR :ON**). ◨

## Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads output) can be used for full-range speaker (**R-SP :FUL**) or subwoofer (**R-SP :S/W**) connection. If you switch the rear output setting to the **R-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 (**R-SP :FUL**). When rear output are connected to full range speakers (when **R-SP :FUL** is selected), you can connect the RCA subwoofer output to a subwoofer. In this case, you can select whether to use the sub-

woofer controller's (low pass filter, phase) built-in **P/O :S/W** or the auxiliary **P/O :FUL**.

**1   Press FUNCTION to select R-SP.**
Press **FUNCTION** repeatedly until **R-SP** appears in the display.

**2   Press ▲ or ▼ to switch the rear output setting.**
Pressing ▲ or ▼ will switch between **R-SP :FUL** (full-range speaker) and **R-SP :S/W** (subwoofer) and that status will be displayed.
■   When no subwoofer is connected to the rear output, select **R-SP :FUL**.
■   When a subwoofer is connected to the rear output, set for subwoofer **R-SP :S/W**.
■   When the rear output setting is **R-SP :S/W**, you cannot change the subwoofer controller.

**3   Press ◄ or ► to switch the subwoofer output or non fading output.**
Pressing ◄ or ► will switch between **P/O :S/W** and **P/O :FUL** and that status will be displayed.

### 📝 Notes

• Even if you change this setting, there is no output unless you turn the non fading output (refer to *Using non fading output* on page 37) or subwoofer output (refer to *Using subwoofer output* on page 36) in the audio menu on.
• If you change the subwoofer controller, subwoofer output and non fading output in the audio menu return to the factory settings. ◨

## Switching the telephone muting/attenuation

Sound from this system is muted or attenuated automatically when a call is made or received using a cellular telephone connected to this unit.

## Initial Settings

- The sound is turned off, **MUTE** or **ATT** is displayed and no audio adjustment is possible.
- Operation returns to normal when the phone connection is ended.

**1    Press FUNCTION to select TEL.**
Press **FUNCTION** repeatedly until **TEL** appears in the display.

**2    Press ◄ or ► to switch the telephone muting/attenuation.**
Pressing ◄ or ► will switch between **TEL :ATT** (attenuation) and **TEL :MUT** (muting) and that status will be displayed. ▣

# 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 25 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 39.

## 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 IN appears in the display.**

**2 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** order.



**3 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.

**4 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.

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

# Setting the level indicator

These are two stored level indicator to select from.

● **Press EQ and hold to select the level indicator.**
Press **EQ** and hold repeatedly to switch between the following settings:
Level indicator 1—Level indicator 2—Level indicator full—Level indicator off ◉

# Other Functions

## Introduction of XM operation
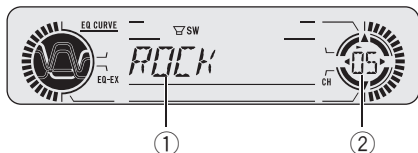


*You can use this unit with a separately sold universal XM satellite digital tuner system (GEX-FM913XM) or XM satellite digital tuner (GEX-P910XM).*
For details concerning operation, refer to the XM tuner's operation manuals. This section provides information on XM operations with this unit which differs from that described in the XM tuner's operation manual.

① **XM tuner information**
   Shows the XM tuner information which has been selected.

② **XM channel number indicator**
   Shows to which XM channel number the tuner is tuned.
   • If a channel number 100 to 199 is selected, ► will light up above the last two digits of the XM channel number.
   • If a channel number 200 or more is selected, ► will blink above the last two digits of the XM channel number.

## XM operation

XM operation of the following function with this unit differs.
• *Swiching the XM channel select setting* (Refer to this page.)

## Swiching the XM channel select setting

You can switch if you select a channel with a channel number or from a channel category when you select a channel.

**1   Press CLOCK and hold to switch the channel select setting.**

**2   Press CLOCK to select the desired channel select setting.**
Press **CLOCK** repeatedly to switch between the following channel select settings:
**CHNUMBER** (channel number select mode)
—**CATEGORY** (channel category select mode) ▣

## Additional Information

## Understanding built-in CD player error messages

When problems occur during CD play an error message may appear on the display. If an error message appears on the display refer to the table below to see what the problem is and the suggested method of correcting the problem. If the error cannot be corrected, contact your dealer or your nearest Pioneer Service Center.

| 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, 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-22, 23 | The CD format cannot be played back | Replace disc. |
| ERROR-44 | All tracks are skip tracks | Replace disc. |
| HEAT | CD player overheated | Turn off the CD player until the CD player cools down. |

## 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 warped discs 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 side) 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 dirt from a CD, wipe the disc with a soft cloth outward from the center of the disc.

- If the heater is used in cold weather, moisture may form on components inside the CD player. Condensation may cause the CD player to not operate properly. If you think that condensation is a problem turn off the CD player for an hour or so to allow the CD player to dry out and wipe any damp discs with a soft cloth to remove the moisture.
- Road shocks may interrupt CD playback. ▣

# Additional Information

## 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 car.
- 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)).
- This unit conforms to the track skip function of the CD-R/CD-RW disc. The tracks containing the track skip information are skipped automatically (in 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 and WMA files

- MP3 is short for MPEG Audio Layer 3 and refers to an audio compression technology standard.
- WMA is short for Windows Media™ Audio and refers to an audio compression technology that is developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 7, 7.1 or Windows Media Player for Windows XP.
- With some applications used to encode WMA files, this unit may not operate correctly.
- With some applications used to encode WMA files, album names and other text information may not be correctly displayed.
- This unit allows playback of MP3/WMA files on CD-ROM, CD-R and CD-RW discs. Disc recordings compatible with level 1 and level 2 of ISO9660 and with the Romeo and Joliet file system can be played back.
- It is possible to play back multi-session compatible recorded discs.
- MP3/WMA files are not compatible with packet write data transfer.
- The max. number of characters which can be displayed for a file name, including the extension (.mp3 or .wma), is 32 characters from the first character.
- The max. number of characters which can be displayed for a folder name is 32 characters.
- In case of files recorded according to the Romeo and Joliet file system, only the first 32 characters can be displayed.
- When playing discs with MP3/WMA files and audio data (CD-DA) such as CD-EXTRA and MIXED-MODE CDs, both types can be played only by switching mode between MP3/WMA and CD-DA.
- The folder selection sequence for playback and other operations becomes the writing sequence used by the writing software. For this reason, the expected sequence at the time of playback may not coincide with the actual playback sequence. However, there also is some writing software which permits setting of the playback order.

### 🐾 Important

- When naming an MP3 or a WMA file, add the corresponding filename extension (.mp3 or .wma).

## Additional Information

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

## MP3 additional information

- Files are compatible with the ID3 Tag Ver. 1.0 and Ver. 1.1 formats for display of album (disc title), track (track title) and artist (track artist).
- Only when MP3 files of 32, 44.1 and 48 kHz frequencies are played back, the emphasis function is valid. (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 format.
- The sound quality of MP3 files generally becomes better with increasing bit rate. This unit can play recordings with bit rates from 8 kbps to 320 kbps, but in order to be able to enjoy a certain sound quality, it is recommended to use only discs recorded with a bit rate of at least 128 kbps.

## WMA additional information

- Only when WMA files of 32, 44.1 and 48 kHz frequencies are played back.
- The sound quality of WMA files generally becomes better with increasing bit rate. This unit can play recordings with bit rates from 48 kbps to 192 kbps, but in order to be able to enjoy a certain sound quality, it is recommended to use discs recorded with a higher bit rate. ◨

## About folders and MP3/WMA files

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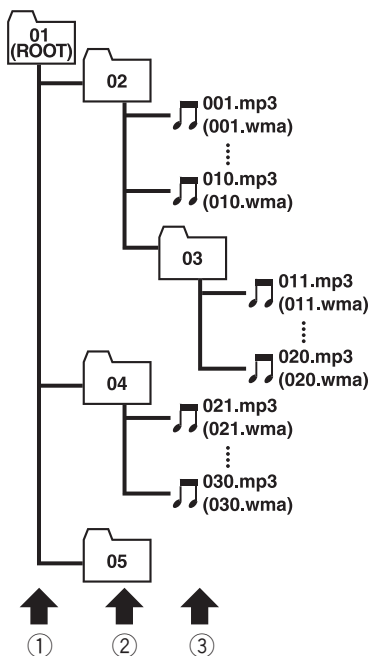


① **First level**

② **Second level**

③ **Third level**

### 📝 Notes

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

# Additional Information

## Terms

### Bit rate

This expresses data volume per second, or bps units (bits per second). 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 a 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 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.

### 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.

### 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 in one disc.

### 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 to flexibly adjust the bit rate according to the needs of audio compression, it is possible to achieve compression priorities sound quality.

**Additional Information**

## 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, 7.1 or Windows Media Player for Windows XP.
Microsoft, 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 allowable)
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 × 20 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 × 15 mm
                 (6-3/4 × 1-3/4 × 5/8 in.)
Weight ......................................... 1.4 kg (3.1 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 $\Omega$ + 70 W × 1/2 $\Omega$ (for subwoofer)
Load impedance ...................... 4 $\Omega$ (4 – 8 $\Omega$ [2 $\Omega$ for 1 ch] allowable)
Preout max output level/output impedance
................................................... 2.2 V/1 k$\Omega$
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 network)
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 & 8

### FM tuner

Frequency range ..................... 87.9 – 107.9 MHz
Usable sensitivity .................... 8 dBf (0.7 $\mu$V/75 $\Omega$, mono, S/N: 30 dB)
50 dB quieting sensitivity ..... 10 dBf (0.9 $\mu$V/75 $\Omega$, 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)
Selectivity ................................... 80 dB (±200 kHz)

**Additional Information**

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 $\mu$V (S/N: 20 dB)
Signal-to-noise ratio .............. 65 dB (IHF-A network)

**Note**

Specifications and the design are subject to pos-
sible modifications without notice due to im-
provements. ▣

*Register your product at*
*Enregistrez votre produit au*
*Registre su producto en*

**http://www.pioneerelectronics.com**

*See "Product registration" page*
*Voir la page "Enregistrement du produit"*
*Consulte la página sobre "Registro del producto"*

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

# INSTALLATION MANUAL

# MANUEL D'INSTALLATION

# DEH-P5500MP

This product conforms to CEMA cord colors.
Le code de couleur des câbles utilisé pour ce produit est conforme à CEMA.
Los colores de los cables este producto se conforman con el código de colores CEMA.

**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 fuse, be sure to use only fuse of the rating prescribed on this unit.
- Since a unique BPTL circuit is employed, never wire so the speaker leads are directly grounded or the left and right $\ominus$ speaker leads are common.
- Speakers connected to this unit must be high-power types with minimum rating of 50 W and impedance of 4 to 8 ohms. Connecting speakers with output and/or impedance values other than those noted here may result in the speakers catching fire, emitting smoke or becoming damaged.
- When this product's source is switched ON, a control signal is output through the blue/white lead. Connect to an external power amp's system remote control or the car's Auto-antenna relay control terminal (max. 300 mA 12 V DC). If the car features a glass antenna, connect to the antenna booster power supply terminal.

- When an external power amp is being used with this system, be sure not to connect the blue/white lead to the amp's power terminal. Likewise, do not connect the blue/white lead to the power terminal of the auto-antenna. Such connection could cause excessive current drain and malfunction.
- To avoid short-circuiting, cover the disconnected lead with insulating tape. Especially, insulate the unused speaker leads without fail. There is a possibility of short-circuiting if the leads are not insulated.
- To prevent incorrect connection, the input side of the IP-BUS connector is blue, and the output side is black. Connect the connectors of the same colors correctly.
- 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)



ACC position        No ACC position
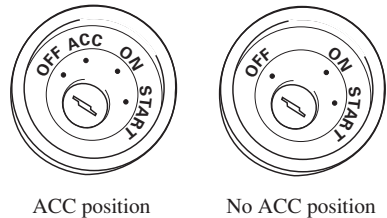
**Fig. 1**

- 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 Installation manuals of both products and connect cords that have the same function.
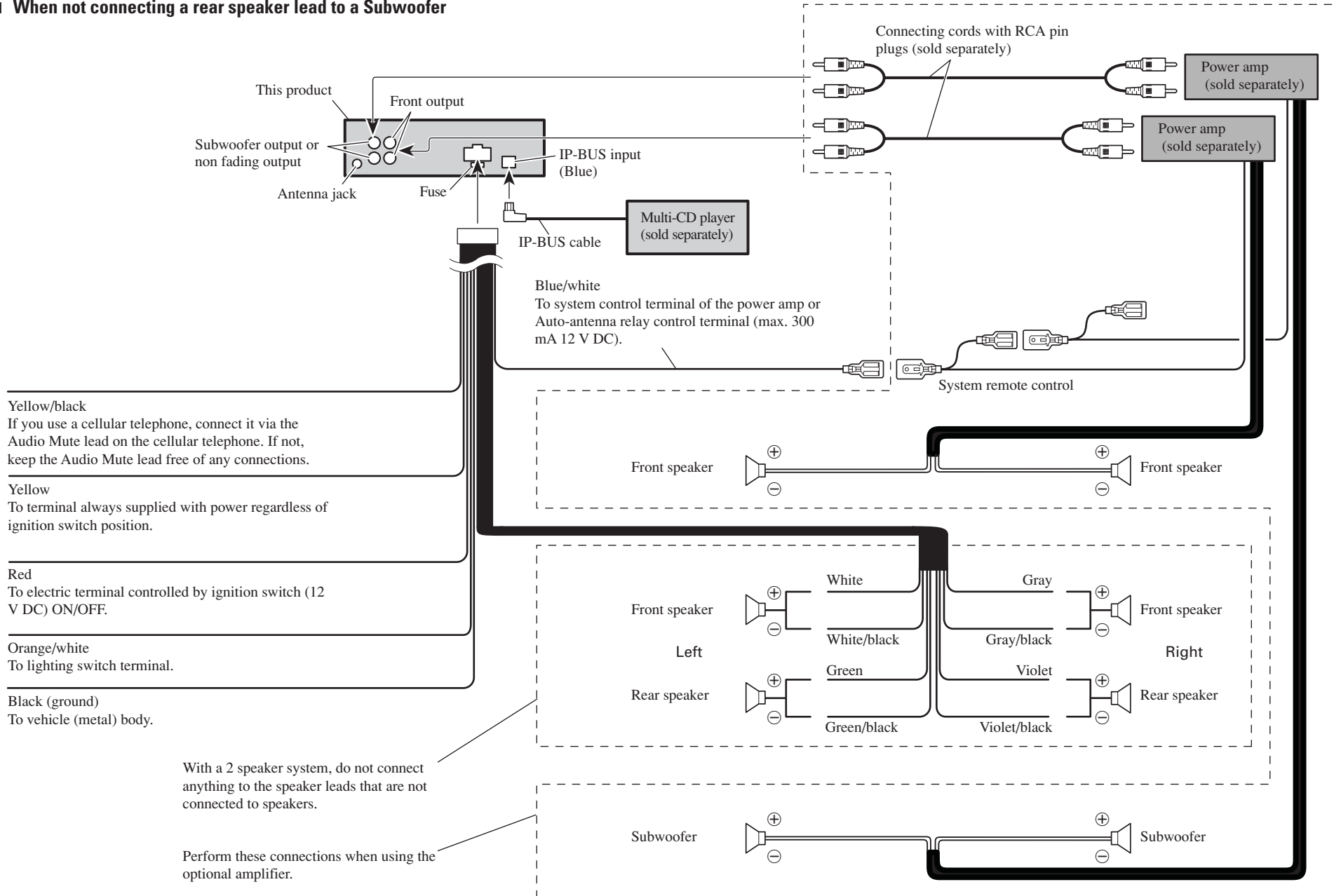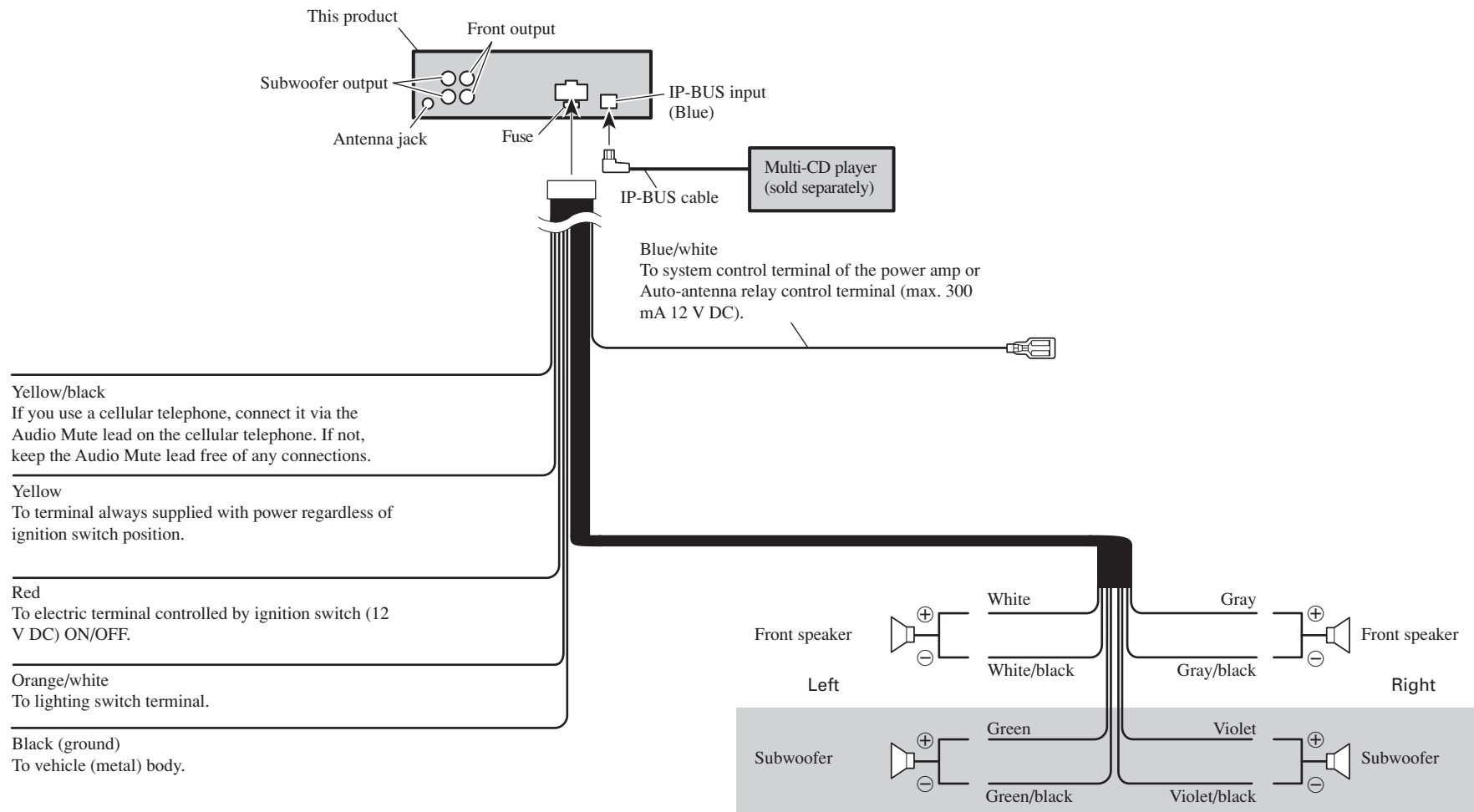
■ **When not connecting a rear speaker lead to a Subwoofer**

Connecting cords with RCA pin plugs (sold separately)

Power amp (sold separately)

Power amp (sold separately)

This product

Front output

Subwoofer output or non fading output

Antenna jack

Fuse

IP-BUS input (Blue)

IP-BUS cable

Multi-CD player (sold separately)

Blue/white
To system control terminal of the power amp or Auto-antenna relay control terminal (max. 300 mA 12 V DC).

System remote control

Yellow/black
If you use a cellular telephone, connect it via the Audio Mute lead on the cellular telephone. If not, keep the Audio Mute lead free of any connections.

Yellow
To terminal always supplied with power regardless of ignition switch position.

Red
To electric terminal controlled by ignition switch (12 V DC) ON/OFF.

Orange/white
To lighting switch terminal.

Black (ground)
To vehicle (metal) body.

With a 2 speaker system, do not connect anything to the speaker leads that are not connected to speakers.

Perform these connections when using the optional amplifier.

Front speaker

Front speaker

Front speaker

Left

White

White/black

Green

Green/black

Gray

Gray/black

Violet

Violet/black

Front speaker

Right

Rear speaker

Rear speaker

Subwoofer

Subwoofer

**Fig. 2**

■ **When using a Subwoofer without using the optional amplifier**

This product

Front output

Subwoofer output

Antenna jack

Fuse

IP-BUS input
(Blue)

Multi-CD player
(sold separately)

IP-BUS cable

Blue/white
To system control terminal of the power amp or
Auto-antenna relay control terminal (max. 300
mA 12 V DC).

Yellow/black
If you use a cellular telephone, connect it via the
Audio Mute lead on the cellular telephone. If not,
keep the Audio Mute lead free of any connections.

Yellow
To terminal always supplied with power regardless of
ignition switch position.

Red
To electric terminal controlled by ignition switch (12
V DC) ON/OFF.

Orange/white
To lighting switch terminal.

Black (ground)
To vehicle (metal) body.

White

Gray

Front speaker

Front speaker

White/black

Gray/black

Left

Right

Green

Violet

Subwoofer

Subwoofer

Green/black

Violet/black

**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 finally installing the unit, connect the wiring temporarily, making sure it is all connected up properly, and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- The semiconductor laser will be damaged if it overheats, so don't install the unit anywhere hot — for instance, near a heater outlet.

- If installation angle exceeds 60° from horizontal, the unit might not give its optimum performance. (Fig. 4)
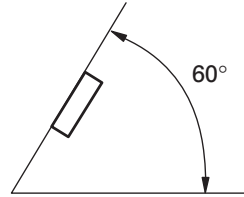


**Fig. 4**

## 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)
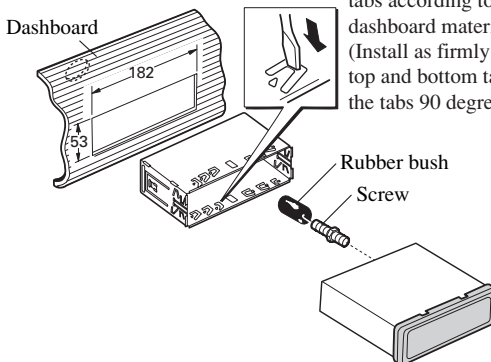


Holder
After inserting the holder into the dashboard, then select the appropriate tabs according to the thickness of the dashboard material and bend them. (Install as firmly as possible using the top and bottom tabs. To secure, bend the tabs 90 degrees.)

Dashboard
182
53
Rubber bush
Screw

**Fig. 5**

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

Frame

Insert the release pin into the hole in the bottom of the frame and pull out to remove the frame.
(When reattaching the frame, point the side with a groove downwards and attach it.)

**Fig. 6**

Insert the supplied extraction keys into the unit, as shown in the figure, until they click into place. Keeping the keys pressed against the sides of the unit, pull the unit out.
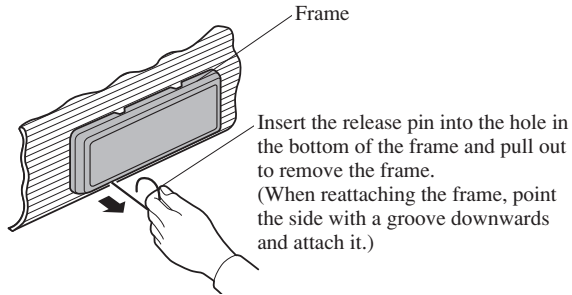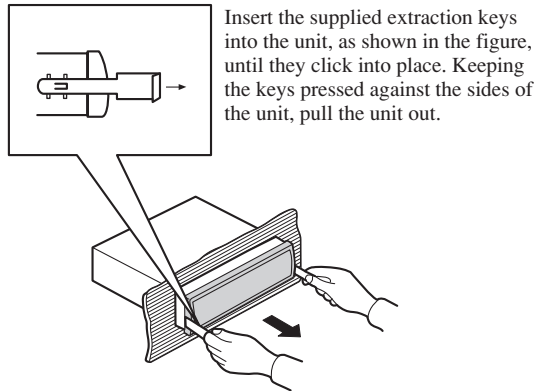
**Fig. 7**

## DIN Rear-mount

## Installation using the screw holes on the side of the unit

**1. Remove the frame. (Fig. 8)**

Frame

Insert the release pin into the hole in
the bottom of the frame and pull out
to remove the frame.
(When reattaching the frame, point
the side with a groove downwards
and attach it.)
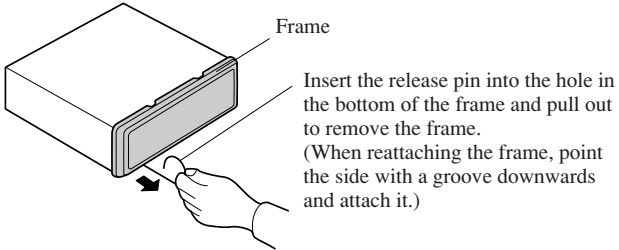
**Fig. 8**

**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 ($5 \times 8$ mm) or flush surface screws
($5 \times 9$ mm), depending on the shape of the screw holes in
the bracket.

**Fig. 9**

Screw

Dashboard or Console

Factory radio mounting bracket
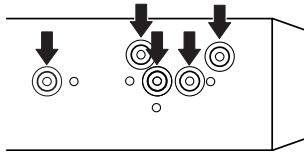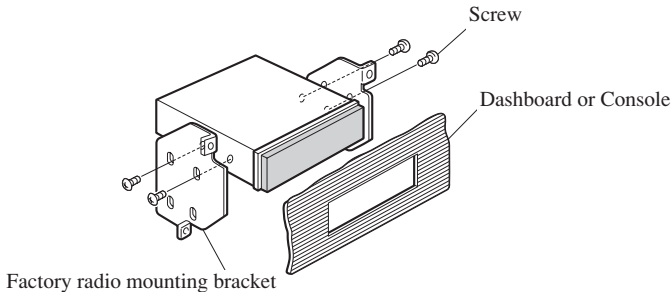
**Fig. 10**

## 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)**
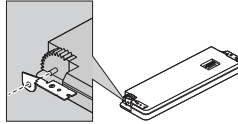
**Fig. 11**

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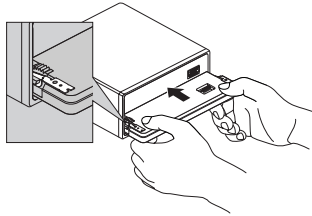
**Fig. 12**

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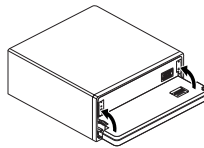
**Fig. 13**

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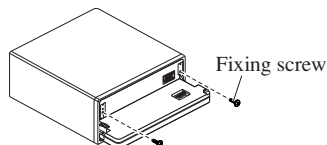
Fixing screw

**Fig. 14**

**K T C 0 1 - 0 1**

**Single CD-3**

**Pioneer**

**PO BOX 174303**
**DENVER CO 80217-4303**

# Pioneer

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**BoomerangIt**
B.I.N. PE22368965

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# Pioneer

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LA10000000

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All required fields (*) of this registration form must be completed before BoomerangIt service can be provided.

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**First Name**                    **Initial**   **Last Name**

**Street**                                        **Apt. No.**

**City**                                  **State**   **ZIP Code**

**E-mail Address:**

**2.** Your date of birth: ___ / ___
Month        Year

**3.** Marital status:  1. ☐ Married       2. ☐ Single

**4.** Telephone Number:
( ___ ) ___ – ___

**5.** Date of purchase: ___ / ___ / ___
Month        Day        Year

**6.** Model #:
**D E** – ___
or **F H – P** ___

**7.** Serial #:

**8.** BIN # (# on Boomerang® label):

**9.** Where did you purchase your Pioneer Product?
Retailer Name:

1. ☐ Received as gift

**10.** In what vehicle will this Pioneer product be used?
(make: e.g. Ford, Nissan; Model: e.g. Taurus SHO, Maxima SE)

Make:

Model:

Year:

A. ☐ Bought New   B. ☐ Bought Used   C. ☐ Lease

**11.** Please rate the importance of the following features in your
purchase decision:

|   | Not Important | Somewhat Important | Very Important |
|---|---|---|---|
| A. EEQ (Easy EQ) | 1. ☐ | 2. ☐ | 3. ☐ |
| B. Mosfet Power | 1. ☐ | 2. ☐ | 3. ☐ |
| C. Can Control Multi-Disc Changer | 1. ☐ | 2. ☐ | 3. ☐ |
| D. Multi-Color Display | 1. ☐ | 2. ☐ | 3. ☐ |
| E. Remote Control | 1. ☐ | 2. ☐ | 3. ☐ |
| F. Flap Face Design | 1. ☐ | 2. ☐ | 3. ☐ |
| G. Cosmetics | 1. ☐ | 2. ☐ | 3. ☐ |

**12.** What three factors MOST influenced your purchase
decision? (check only three)
1. ☐ Brand Name/Reputation   6. ☐ Warranty/Guarantee
2. ☐ Price/Value              7. ☐ Magazine Test Report
3. ☐ Salesperson             8. ☐ Cosmetics
4. ☐ In-Store Demonstration  9. ☐ Other
5. ☐ Friend/Relative

**13.** How did you first become aware of this Pioneer product?
01. ☐ TV Ad               07. ☐ Other Internet Source
02. ☐ Radio Ad            08. ☐ Salesperson
03. ☐ Newspaper Ad        09. ☐ Friend/Relative
04. ☐ Stereo Magazine Ad  10. ☐ Previous Experience
05. ☐ Stereo Magazine Article      with Pioneer
06. ☐ Pioneer Website     11. ☐ Other

**14.** Which of the following magazines do you subscribe to or
read frequently?
01. ☐ Super Street              09. ☐ Vibe
02. ☐ Auto Sound & Security     10. ☐ Maxim
03. ☐ Car Sound                 11. ☐ ESPN The Magazine
04. ☐ Sport Compact Car         12. ☐ Motocross
05. ☐ Mobile Entertainment      13. ☐ FHM
06. ☐ Rolling Stone             14. ☐ Playboy
07. ☐ Spin                      15. ☐ Dirt Rider
08. ☐ The Source                16. ☐ Other

**15.** Would you be willing to participate in future Pioneer surveys
via e-mail?
1. ☐ Yes                 2. ☐ No

**16.** Gender:  1. ☐ Male       2. ☐ Female

**17.** Not including yourself, what is the GENDER and AGE
(in years) of children and other adults living in your household?
1. ☐ No one else in household    2. ☐ Child under 1 year

| Male | Female | Age | Male | Female | Age |
|---|---|---|---|---|---|
| 1. ☐ | 2. ☐ | ___ yrs. | 1. ☐ | 2. ☐ | ___ yrs. |
| 1. ☐ | 2. ☐ | ___ yrs. | 1. ☐ | 2. ☐ | ___ yrs. |

**18.** Occupation: (check all that apply)

|   | You |   | Spouse |
|---|---|---|---|
| Professional/Technical | ☐ | 1. | ☐ |
| Upper Management/Executive | ☐ | 2. | ☐ |
| Middle Management | ☐ | 3. | ☐ |
| Sales/Marketing | ☐ | 4. | ☐ |
| Clerical/Service Worker | ☐ | 5. | ☐ |
| Tradesman/Machine Operator/Laborer | ☐ | 6. | ☐ |

**19.** Are you or your spouse:

|   | You |   | Spouse |
|---|---|---|---|
| A Homemaker? | ☐ | 1. | ☐ |
| Retired? | ☐ | 2. | ☐ |
| A Student? | ☐ | 3. | ☐ |
| Self Employed/Business Owner? | ☐ | 4. | ☐ |
| Working from a Home Office? | ☐ | 5. | ☐ |
| In the Military? | ☐ | 6. | ☐ |
| A Federal Employee? | ☐ | 7. | ☐ |

**20.** Which group describes your annual family income?
01. ☐ Under $15,000       08. ☐ $75,000-$99,999
02. ☐ $15,000-$19,999     09. ☐ $100,000-$124,999
03. ☐ $20,000-$29,999     10. ☐ $125,000-$149,999
04. ☐ $30,000-$39,999     11. ☐ $150,000-$174,999
05. ☐ $40,000-$49,999     12. ☐ $175,000-$199,999
06. ☐ $50,000-$59,999     13. ☐ $200,000-$249,999
07. ☐ $60,000-$74,999     14. ☐ $250,000 & over

**21.** Level of education: (check highest level completed)
1. ☐ Completed High School
2. ☐ Completed College
3. ☐ Completed Graduate School

**22.** Which credit cards do you use regularly?
1. ☐ American Express, Diners Club
2. ☐ MasterCard, Visa, Discover
3. ☐ Department Store, Oil Company, etc.
4. ☐ Do not use credit cards

**23.** For your primary residence, do you:  1. ☐ Own?  2. ☐ Rent?

PLEASE CONTINUE ON BACK ► ► ►

**24.** Please check all that apply to your household.

- 01. ☐ Shop by Catalog/Mail
- 02. ☐ Member of Frequent Flyer Program
- 03. ☐ Donate to Charitable Causes
- 04. ☐ Own a Compact Disc Player
- 05. ☐ Have a Dog
- 06. ☐ Have a Cat
- 07. ☐ Own a Cellular Phone
- 08. ☐ Subscribe to an Online/ Internet Service
- 09. ☐ Own an IBM or Compatible Computer
- 10. ☐ Own an Apple/Macintosh Computer
- 11. ☐ Own a CD-ROM

**25.** To help us understand our customers' lifestyles, please indicate the interests and activities in which *you* or *your spouse* enjoy participating on a *regular* basis.

- 01. ☐ Bicycling
- 02. ☐ Golf
- 03. ☐ Physical Fitness/Exercise
- 04. ☐ Running/Jogging
- 05. ☐ Snow Skiing
- 06. ☐ Tennis
- 07. ☐ Camping/Hiking
- 08. ☐ Fishing
- 09. ☐ Hunting/Shooting
- 10. ☐ Horseback Riding
- 11. ☐ Powerboating
- 12. ☐ Sailing
- 13. ☐ Grandchildren
- 14. ☐ Needlework/Knitting/ Sewing
- 15. ☐ Flower Gardening
- 16. ☐ Vegetable Gardening
- 17. ☐ Crafts
- 18. ☐ Buy Prerecorded Videos
- 19. ☐ Automotive Work
- 20. ☐ Electronics
- 21. ☐ Home Workshop/ Do-It-Yourself
- 22. ☐ Recreation Vehicles
- 23. ☐ Listen to Records/ Tapes/CDs
- 24. ☐ Surf the Internet
- 25. ☐ Avid Book Reading
- 26. ☐ Bible/Devotional Reading
- 27. ☐ Health/Natural Foods
- 28. ☐ Photography
- 29. ☐ Attending Cultural/ Arts Events
- 30. ☐ Fashion Clothing
- 31. ☐ Fine Art/Antiques
- 32. ☐ Foreign Travel
- 33. ☐ Cruise Ship Vacations
- 34. ☐ Travel in USA
- 35. ☐ Gourmet Cooking/ Fine Foods
- 36. ☐ Wines
- 37. ☐ Coin/Stamp Collecting
- 38. ☐ Collectibles/Collections
- 39. ☐ Our Nation's Heritage
- 40. ☐ Real Estate Investments
- 41. ☐ Stocks/Bonds/ Mutual Funds
- 42. ☐ Entering Sweepstakes
- 43. ☐ Casino Gambling
- 44. ☐ Science Fiction
- 45. ☐ Wildlife/ Environmental Issues
- 46. ☐ Dieting/Weight Control
- 47. ☐ Science/ New Technology
- 48. ☐ Self-Improvement
- 49. ☐ Walking for Health
- 50. ☐ Watching Sports on TV
- 51. ☐ Home Video Recording
- 52. ☐ Moneymaking Opportunities

**26.** Using the numbers in the above list, please indicate your 3 most important activities:

Thanks for taking the time to fill out this questionnaire. Your answers will be used for market research studies and reports. They will also allow you to receive important mailings and special offers from a number of fine companies whose products and services relate directly to the specific interests, hobbies, and other information indicated above. Through this selective program, you will be able to obtain more information about activities in which you are involved and less about those in which you are not. Please check here if, for some reason, you would prefer *not* to participate in this opportunity. ☐

Please check here if you do not want to receive mailings and offers using your E-mail address ☐

Please seal with tape. Do not staple.

# Pioneer

## PIONEER ELECTRONICS (USA) INC. - PIONEER ELECTRONICS OF CANADA, INC.
### (PA)                                                              (POC)

# LIMITED WARRANTY
## WARRANTY VALID ONLY IN COUNTRY OF PRODUCT PURCHASE

**WARRANTY PERIOD**

For the period specified below from date of original retail purchase (the warranty period) from an authorized Pioneer dealer, Pioneer Electronics (USA) Inc. (PA), and Pioneer Electronics Of Canada, Inc. (POC), warrant that products distributed by PA in the U.S.A., and by POC in Canada that fail to function properly under normal use due to a manufacturing defect when installed and operated according to the owner's manual enclosed with the unit will be repaired or replaced with a unit of comparable value, at the option of PA or POC, without charge to you for parts or actual repair work. Parts supplied under this warranty may be new or rebuilt at the option of PA or POC.

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.

The warranty does not cover any product which is used in any trade or business, or in an industrial or commercial application.

| PRODUCT | WARRANTY PERIOD PARTS | LABOR |
|---|---|---|
| Car Stereo Products ............................................................................................................................................................ | ONE YEAR | ONE YEAR |

This warranty covers the product during the warranty period whether in the possession of the original owner or any subsequent owner. In the event service is required, the product must be delivered within the warranty period, transportation prepaid, from within the country of purchase as explained in this document. You will be responsible for removal and installation of the product. PA or POC, as appropriate, will pay for the cost of returning the repaired or replacement product to you within the country of purchase.

**WHAT'S NOT COVERED**

This warranty does not apply to any speaker that has been subjected to power in excess of its published power rating.

This warranty does not cover the cabinet or any appearance item, user attached antennas, any damage to recordings or recording tapes or discs, any damage to the product resulting from alterations, modifications not authorized in writing by PA or POC, accident, misuse or abuse, damage due to lightning or to power surges, subsequent damage from leaking, damaged or inoperative batteries or the use of batteries not conforming to those specified in the owner's manual.

This warranty does not cover the cost of parts or labor which would be otherwise provided without charge under this warranty, obtained from any source other than a PA or POC Authorized Service Company or other designated location. This warranty does not cover defects or damage caused by the use of unauthorized parts or labor, or from improper maintenance.

**ALTERED, DEFACED OR REMOVED SERIAL NUMBERS VOID THIS WARRANTY.**

**YOUR RIGHTS**

PA and POC exclude any obligation on their part for incidental or consequential damages related to the failure of products each distributes to function properly under the conditions set forth above.

**IN THE U.S.A.** - PA LIMITS ITS OBLIGATIONS UNDER ANY IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO A PERIOD NOT TO EXCEED THE WARRANTY PERIOD. NO WARRANTIES SHALL APPLY AFTER THE WARRANTY PERIOD. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

**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**
**CAR STEREO PRODUCTS (EXCEPT CAR SPEAKERS SOLD IN THE U.S.A. ONLY)**

PA and POC have appointed a number of Authorized Service Companies throughout the U.S.A. and Canada should your product ever require service. To receive warranty service you will need to present your sales receipt or, if rented, your rental contract showing place and date of original owner's transaction.

Should it become necessary to ship the unit you will need to package the product carefully and send it, transportation prepaid by a traceable, pre-insured method, to an Authorized Service Company. Carefully package the product using adequate padding material to prevent damage in transit. The original container is ideal for this purpose. Include in the package your name, address, telephone number where you can be reached during business hours, a copy of your sales receipt and a detailed description of the problem.

**TO OBTAIN SERVICE**
**CAR SPEAKERS SOLD IN THE U.S.A. ONLY**

Should your car speaker require service, return defective car speaker to your retail dealer for exchange. To receive warranty service you will need to present your sales receipt showing place and date of original owner's retail purchase. If, for any reason, you cannot exchange the speakers at the selling dealer, call the Customer Service Department as given below.

### - ADDITIONAL INFORMATION -

**IN THE U.S.A.**
For additional information on this warranty, please call or write:

CUSTOMER SERVICE DEPARTMENT
PIONEER ELECTRONICS SERVICE, INC.
P.O. BOX 1760
LONG BEACH, CALIFORNIA 90801
1-800-421-1404

**IN THE U.S.A. DO NOT RETURN ANY PRODUCT TO THE ABOVE ADDRESS. IT IS NOT A SERVICE LOCATION.**

**IN CANADA**
Please contact a Pioneer authorized Dealer to find the nearest Pioneer authorized service location. For additional information on this warranty, please call or write:

CUSTOMER SERVICE DEPARTMENT
PIONEER ELECTRONICS OF CANADA, INC.
300 ALLSTATE PARKWAY
MARKHAM, ON  L3R 0P2
(905) 479-4411

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**IN THE U.S.A.**

**FOR PRODUCT INFORMATION, TO PURCHASE REPLACEMENT PARTS OR TO LOCATE AN AUTHORIZED SERVICE COMPANY CALL: 1-800-421-1404**

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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