# Pioneer

CD RDS RECEIVER
# DEH-P5100UB

Operation Manual

*English*

*Thank you* for purchasing this PIONEER product.

Please read through this manual before using the product for the first time, to ensure proper use. *After reading, please keep the manual in a safe and accessible place for future reference.*

# Contents

# Contents

# Before You Start

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

(Symbol for equipment)

(Symbol examples for batteries)

**Pb**

**These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation.**

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

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

**These symbols are only valid in the European Union.**

**For countries outside the European Union:**
If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal. ◼

## About this unit

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

## ⚠ CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.
- "CLASS 1 LASER PRODUCT"
  This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.
- The Pioneer CarStereo-Pass is for use only in Germany.
- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so that you can hear sounds from outside the vehicle.
- Protect this unit from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed. ◼

## Features

This unit is compatible with a wide variety of file formats and media/storage devices.

### File format compatibility
• WMA
• MP3
• AAC
• WAV

For details about compatibility, refer to *Additional Information* on page 59.

### Media/storage device compatibility
• CD/CD-R/CD-RW
• USB portable audio player/USB memory
Make inquiries to the manufacturer about your USB portable audio player/USB memory.
For details about compatibility, refer to *Additional Information* on page 59.

### iPod compatibility
This unit can control and listen to songs on an iPod.
In this manual, iPod and iPhone will be referred to as iPod.
For details about the supported iPod, refer to *iPod compatibility* on page 63.

### ⚠ CAUTION
• Pioneer accepts no responsibility for data lost on the USB memory/USB portable audio player even if that data is lost while using this unit.
• Pioneer accepts no responsibility for data lost on the iPod even if that data is lost while using this unit. ▣

## Visit our website
Visit us at the following site:
**http://www.pioneer.co.uk**
• 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.
• We offer the latest information about Pioneer Corporation on our website. ▣

## In case of trouble
Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station. ▣

## Protecting your unit from theft
The front panel can be detached to deter theft.
• If the front panel is not detached from the head unit within five seconds of turning off the ignition, a warning tone sounds.
• You can turn off the warning tone. Refer to *Switching the warning tone* on page 34.

### 🖐 Important
• Handle gently when removing or attaching the front panel.
• Avoid subjecting the front panel to excessive shock.
• Keep the front panel out of direct sunlight and high temperatures.
• Before detaching, be sure to remove the AUX/USB cable and USB device from the front panel. If they are not removed, this unit, any connected devices or the vehicle interior may be damaged.

### Removing the front panel
**1    Press ⏏ (detach) to release the front panel.**

**2    Grab the front panel and remove.**
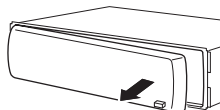


**3    Put the front panel into the provided protective case for safe keeping.**

# Before You Start

## Attaching the front panel

**1    Slide the front panel to the left until it clicks.**
Front panel and the head unit are jointed on the left side. Make sure that the front panel has been jointed to the head unit.
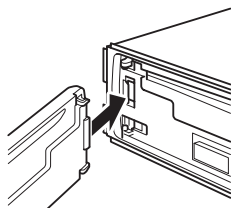


**2    Press the right side of the front panel until it is firmly seated.**
■  If you can't attach the front panel to the head unit successfully, try again. Front panel may be damaged if you attach the front panel forcedly.



■
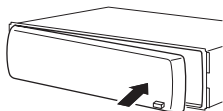
## About the demo mode

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

### 🅸 Important

The red lead (ACC) of this unit should be connected to a terminal coupled with ignition switch on/off operations. If this is not done, the vehicle battery may be drained.

### Reverse mode

If you do not perform an operation within about 30 seconds, screen indications start to reverse, and then continue reversing every 10 seconds. Pressing button **BAND/ESC** when power to this unit is turned off while the ignition switch is set to ACC or ON cancels the re-verse mode. Press button **BAND/ESC** again to start the reverse mode.

### Feature demo mode

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

## Use and care of the remote control

### Installing the battery

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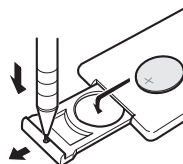


### ⚠ WARNING

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

### ⚠ CAUTION

• Use one **CR2025 (3 V)** lithium battery.
• Remove the battery if the remote control is not used for a month or longer.
• There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
• Do not handle the battery with metallic tools.
• Do not store the battery with metallic objects.

- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

## Using the remote control

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

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

### 🔧 Important

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

## Operating this unit

# What's what
## Head unit
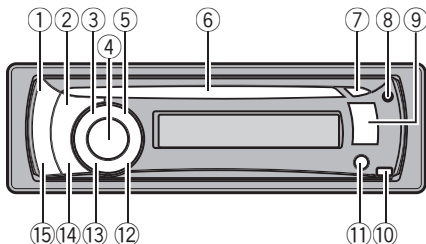


① **SRC/OFF button**
This unit is turned on by selecting a source.
Press to cycle through all the available
sources.

② ☰/**LIST button**
Press to display the disc title list, track title
list, folder list, file list or preset channel list
depending on the source.
Press and hold to switch to link play mode
while using an iPod.
For details, refer to *Playing songs related to
the currently playing song* on page 26.

③ **S.Rtrv button**
Press to switch advanced sound retriever
settings.
For details, refer to *Using advanced sound
retriever* on page 20.

④ **MULTI-CONTROL**
Move to perform manual seek tuning, fast
forward, reverse and track search controls.
Also used for controlling functions.
Turn to increase or decrease the volume.

⑤ **MUTE button**
Press to turn off the sound. To turn on the
sound, press again.

⑥ **Disc loading slot**
Insert a CD/CD-R/CD-RW to play.

⑦ ▲ **(eject) button**
Press to eject a CD/CD-R/CD-RW.

⑧ **TA/NEWS button**
Press to turn TA function on or off. Press
and hold to turn NEWS function on or off.

⑨ **USB port**
Use to connect a USB storage device and
an iPod.
• When connecting, open up the USB con-
nector lid.
• Use a USB cable to connect the USB sto-
rage device to the USB port. Since the
USB storage device is projected forward
from the unit, it is dangerous to connect
directly.
Pioneer CD-U50E USB cable is also avail-
able. For details, consult your dealer.

⑩ ▲ **(detach) button**
Press to remove the front panel from the
head unit.

⑪ **AUX input jack (3.5 mm stereo jack)**
Use to connect an auxiliary device.

⑫ ⇄ **(repeat)/LOC button**
Press to switch the repeat play range while
using CD, USB or iPod.
Press to switch local settings while using
tuner as the source.

⑬ ⤬⤬ **(random)/iPod button**
Press to turn random function on or off
while using CD or USB.
While using an iPod, press to shuffle all
tracks.
Press and hold to switch the control mode
while using an iPod.
For details, refer to *Operating this unit's iPod
function from your iPod* on page 26.
If using the iPod with an interface adapter
(CD-IB100Ⅱ), press to switch the shuffle
function.

⑭ **DISP/SCRL button**
Press to select different displays.
Press and hold to scroll through the text in-
formation.

⑮  **BAND/ESC button**
Press to select among three FM bands and
MW/LW bands.
Press to return to the ordinary display when
operating the menu.

## Remote control

Operation is the same as when using the but-
tons on the head unit.
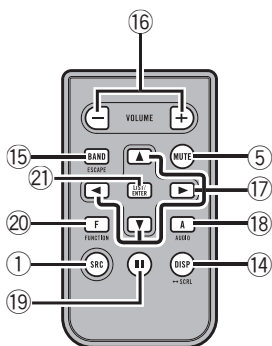


⑯  **VOLUME buttons**
Press to increase or decrease the volume.

⑰  **▲/▼/◄/► buttons**
Press to perform manual seek tuning, fast
forward, reverse and track search controls.
Also used for controlling functions.

⑱  **AUDIO button**
Press to select an audio function.

⑲  **II button**
Press to turn pause on or off.

⑳  **FUNCTION button**
Press to select functions.

㉑  **LIST/ENTER button**
Press to display the disc title list, track title
list, folder list, file list or preset channel list
depending on the source.
While in the operating menu, press to con-
trol functions. ■

## Basic Operations

### Power ON/OFF

#### Turning the unit on

● **Press SRC/OFF to turn the unit on.**

#### Turning the unit off

● **Press SRC/OFF and hold until the unit
turns off.**

### Selecting a source

You can select a source you want to listen to.

● **Press SRC/OFF repeatedly to switch be-
tween the following sources.**
**Tuner** (tuner)—**TV** (television)—**DVD** (DVD
player/multi-DVD player)—**CD** (built-in CD
player)—**Multi CD** (multi-CD player)—**iPod**
(iPod connected with the interface adapter)—
**USB** (USB storage device)/**iPod** (iPod con-
nected using USB input)—**EXT** (external unit
1)—**EXT** (external unit 2)—**AUX1** (AUX1)—
**AUX2** (AUX2)—**BT Audio** (BT audio)—**TEL** (BT
telephone)

### 📝 Notes

• In the following cases, the sound source will
  not change.
  — When no unit corresponding to the se-
    lected source is connected.
  — When there is no disc or magazine in the
    player.
  — When the iPod is not connected to this
    unit with the interface adapter.
  — When AUX (auxiliary input) is set to off
    (refer to page 35).
  — When the **BT Audio** source is set to off
    (refer to *Activating the **BT Audio** source* on
    page 37).
• When an USB storage device or iPod is not
  connected to the USB port of this unit,
  **NO DEVICE** is displayed.

# Operating this unit

- AUX1 is set to on by default. Turn off the AUX1 when not in use (refer to *Switching the auxiliary setting* on page 35).
- Charging the portable audio player using car's DC power source while connecting it to AUX input may generate noise. In this case, stop charging.
- External unit refers to a Pioneer product (such as ones available in the future) that, although incompatible as a source, enables control of basic functions with this unit. Two external units can be controlled with this unit. When two external units are connected, the external unit is automatically allocated to external unit 1 or external unit 2 by this unit.
- When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off.

## Adjusting the volume

● **Turn MULTI-CONTROL to adjust the sound level.** ▪

## Tuner

### Basic Operations

#### RDS
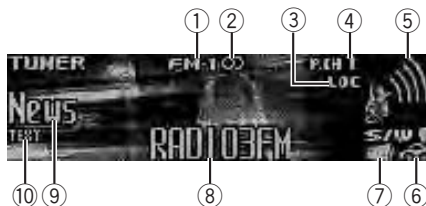


① Band indicator
② ⏻ (stereo) indicator
   Appears when the selected frequency is being broadcast in stereo.
③ **LOC** indicator
   Appears when local seek tuning is on.
④ Preset number indicator
⑤ Signal level indicator
   Shows the radio wave strength.
⑥ TP (🚗) indicator
   Appears when a TP station is tuned in.
⑦ News (📰) indicator
   Appears when the set news program is received.
⑧ Program service name
⑨ PTY label indicator
⑩ **TEXT** indicator
   Shows when the radio text is received.

#### Non-RDS or MW/LW



① Band indicator
② ⏻ (stereo) indicator
   Appears when the selected frequency is being broadcast in stereo.
③ **LOC** indicator
   Appears when local seek tuning is on.

④ Preset number indicator
⑤ Signal level indicator
 Shows the radio wave strength.
⑥ Frequency indicator

● **Select a band**
Press **BAND/ESC**.
▪ Band can be selected from among **FM1**, **FM2**, **FM3** or **MW/LW**.

● **Manual tuning (step by step)**
Push **MULTI-CONTROL** left or right.

● **Seek tuning**
Push and hold **MULTI-CONTROL** left or right, and then release.
▪ You can cancel seek tuning by pushing **MULTI-CONTROL** left or right.
▪ While pushing and holding **MULTI-CONTROL** left or right, you can skip stations. Seek tuning starts as soon as you release **MULTI-CONTROL**.

**✐ Notes**
• This unit's AF (alternative frequencies search) function can be turned on and off. AF should be off for normal tuning operation (refer to the next page).
• RDS service may not be provided by all stations.
• RDS functions such as AF and TA are only active when your radio is tuned to an RDS station.

## Storing and recalling broadcast frequencies

You can easily store up to six broadcast frequencies for later recall.
• Six stations for each band can be stored in memory.

**1  Press ▤/LIST.**
Preset screen is displayed.

**2  Use MULTI-CONTROL to store the selected frequency in memory.**
Turn to change the preset number. Press and hold to store.

**3  Use MULTI-CONTROL to select the desired station.**
Turn to change the station. Press to select.
▪ You can also change the station by pushing **MULTI-CONTROL** up or down.
▪ To return to the ordinary display, press **BAND/ESC** or ▤/**LIST**.
▪ If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.
▪ You can also recall radio station frequencies assigned to preset tuning numbers by pushing **MULTI-CONTROL** up or down during the frequency display.

## Receiving PTY alarm broadcasts

When the emergency PTY code broadcasts, the unit receives it automatically (**ALARM** appears). When the broadcasting ends, the system returns to the previous source.
• An emergency announcement can be canceled by pressing **TA/NEWS**.
 You can also cancel an emergency announcement by pressing **SRC**/**OFF**, **BAND/ESC** or **MULTI-CONTROL**.

## Introduction to advanced operations

**1  Press MULTI-CONTROL to display the main menu.**

**2  Use MULTI-CONTROL to select FUNCTION.**
Turn to change the menu option. Press to select.

# Operating this unit

**3   Turn MULTI-CONTROL to select the function.**
**BSM** (best stations memory)—**Regional** (regional)—**Local** (local seek tuning)—
**PTY search** (program type selection)—
**Traffic Announce** (traffic announcement standby)—**Alternative FREQ** (alternative frequencies search)—**News interrupt** (news program interruption)

### 📝 Notes

- To return to the ordinary display, press **BAND/ESC**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.
- If MW/LW band is selected, you can only select **BSM** or **Local**.

## Storing the strongest broadcast frequencies

BSM (best stations memory) lets you automatically store the six strongest broadcast frequencies.

**1   Use MULTI-CONTROL to select BSM in the function menu.**
Refer to *Introduction to advanced operations* on the previous page.

**2   Press MULTI-CONTROL to turn BSM on.**
The six strongest broadcast frequencies are stored in the order of their signal strength.

- To cancel, press **MULTI-CONTROL** again.

## Tuning in strong signals

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

● **Press ⇄/LOC repeatedly to select the desired setting.**
FM: **OFF**—**Level 1**—**Level 2**—**Level 3**—
**Level 4**
MW/LW: **OFF**—**Level 1**—**Level 2**

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

### 📝 Note

You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.

## Selecting alternative frequencies

When the tuner cannot get a good reception, the unit automatically searches for a different station in the same network.

**1   Use MULTI-CONTROL to select Alternative FREQ in the function menu.**
Refer to *Introduction to advanced operations* on the previous page.

**2   Press MULTI-CONTROL to turn AF on.**

- To turn off, press **MULTI-CONTROL** again.

### 📝 Notes

- Only RDS stations are tuned in during seek tuning or BSM when AF is on.
- When you recall a preset station, the tuner may update the preset station with a new frequency from the station's AF list. No preset number appears on the display if the RDS data for the station received differs from that of the originally stored station.
- During AF search, sound may be temporarily interrupted.
- AF can be turned on or off independently for each FM band.

### Using PI Seek

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

### Using Auto PI Seek for preset stations

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

• The default setting for Auto PI Seek is off. Refer to *Switching Auto PI Seek* on page 34.

### Limiting stations to regional programming

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

#### 1 Use MULTI-CONTROL to select Regional in the function menu.

Refer to *Introduction to advanced operations* on page 12.

#### 2 Press MULTI-CONTROL to turn the regional function on.

■ To turn off, press **MULTI-CONTROL** again.

### Notes

• Regional programming and regional networks are organized differently depending on the country (i.e., they may change according to the hour, state or broadcast area).
• The preset number may disappear from the display if the tuner tunes in a regional station which differs from the originally set station.
• The regional function can be turned on or off independently for each FM band.

## Receiving traffic announcements

TA (traffic announcement standby) lets you receive traffic announcements automatically, no matter what source you are listening to. TA can be activated for both a TP station (a station that broadcasts traffic information) or an enhanced other network's TP station (a station carrying information which cross-references TP stations).

#### 1 Tune in a TP or enhanced other network's TP station.

The TP ( ) indicator will light.

#### 2 Press TA/NEWS to turn traffic announcement standby on.

■ To turn off, press **TA/NEWS** again.

#### 3 Use MULTI-CONTROL to adjust the TA volume when a traffic announcement begins.

The newly set volume is stored in memory and recalled for subsequent traffic announcements.

#### 4 Press TA/NEWS while a traffic announcement is being received to cancel the announcement.

The tuner returns to the original source but remains in the standby mode until **TA/NEWS** is pressed again.

### Notes

• You can also turn this function on or off in the menu that appears by using **MULTI-CONTROL**.
• The system switches back to the original source following traffic announcement reception.
• Only TP and enhanced other network's TP stations are tuned in during seek tuning or BSM when TA is on.

## Using PTY functions

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

### Searching for an RDS station by PTY information

You can search for general types of broadcasting programs, such as those listed in the following section. Refer to page 16.

# Operating this unit

**1   Use MULTI-CONTROL to select
PTY search in the function menu.**
Refer to *Introduction to advanced operations*
on page 12.

**2   Push MULTI-CONTROL left or right to
select a program type.**
News&Inf—Popular—Classics—Others

**3   Press MULTI-CONTROL to begin the
search.**
The unit searches for a station broadcasting
that program type. When a station is found, its
program service name is displayed.
PTY (program type ID code) information is
listed in the following section. Refer to the
next page.
▪ To cancel the search, press **MULTI-CONTROL**
again.
▪ The program of some stations may differ from
that indicated by the transmitted PTY.
▪ If no station is broadcasting the type of pro-
gram you searched for, **Not found** is displayed
for about two seconds and then the tuner returns
to the original station.

## Using news program interruption

When a news program is broadcast from a
PTY code news station, the unit automatically
switches to the news broadcast station. When
the news program ends, reception of the pre-
vious program resumes.

● **Press TA/NEWS and hold to turn on
news program interruption.**
Press **TA/NEWS** until **NEWS ON** appears in
the display.
▪ To turn off news program interruption, press
**TA/NEWS** and hold until **OFF** appears in the dis-
play.
▪ A news program can be canceled by pressing
**TA/NEWS**.

### ✏ Note

You can also turn on or off news programs in the
menu that appears by using **MULTI-CONTROL**.

## Using radio text

This tuner can display radio text data trans-
mitted by RDS stations, such as station infor-
mation, the name of the currently broadcast
song and the name of the artist.
▪ The tuner automatically memorizes the
three latest radio text broadcasts received,
replacing text from the least recent recep-
tion with new text when it is received.

### Displaying radio text

You can display the currently received radio
text and the three most recent radio texts.

**1   Press DISP/SCRL and hold to display
radio text.**
Radio text for the currently broadcasting sta-
tion is displayed.
▪ You can cancel radio text display by pressing
**DISP/SCRL** or **BAND/ESC**.
▪ When no radio text is received, **No text** ap-
pears in the display.

**2   Push MULTI-CONTROL left or right to
recall the three most recent radio texts.**
Pushing **MULTI-CONTROL** left or right
switches between the current and the three
radio text data displays.
▪ If there is no radio text data in memory the dis-
play will not change.

**3   Push MULTI-CONTROL up or down to
scroll.**
Push **MULTI-CONTROL** up to go to the begin-
ning. Push **MULTI-CONTROL** down to scroll
the radio text data.

### Storing and recalling radio text

You can store data from up to six radio text
transmissions for keys **RT Memo 1** to
**RT Memo 6**.

**1   Display the radio text you want to
store in memory.**
Refer to *Displaying radio text* on this page.

**2  Press ≣/LIST.**
Preset screen is displayed.

**3  Use MULTI-CONTROL  to store the se-lected radio text.**
Turn to change the preset number. Press and hold to store.

**4  Use MULTI-CONTROL to select the de-sired radio text.**
Turn to change the radio text. Press to select.
▪ You can also change the radio text by pushing **MULTI-CONTROL** up or down.
▪ To return to the ordinary display, press **BAND/ESC**.
▪ If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

## PTY list

| General | Specific | Type of program |
|---------|----------|-----------------|
| News&Inf | NEWS | News |
| | AFFAIRS | Current affairs |
| | INFO | General information and advice |
| | SPORT | Sports |
| | WEATHER | Weather reports/meteor-ological information |
| | FINANCE | Stock market reports, commerce, trading, etc. |
| Popular | POP MUS | Popular music |
| | ROCK MUS | Contemporary modern music |
| | EASY MUS | Easy listening music |
| | OTH MUS | Non-categorized music |
| | JAZZ | Jazz |
| | COUNTRY | Country music |
| | NAT MUS | National music |
| | OLDIES | Oldies, golden oldies |
| | FOLK MUS | Folk music |

| Classics | L. CLASS | Light classical music |
|----------|----------|-----------------------|
| | CLASSIC | Classical music |
| Others | EDUCATE | Educational programs |
| | DRAMA | Radio plays and serials |
| | CULTURE | National or regional culture |
| | SCIENCE | Nature, science and technology |
| | VARIED | Light entertainment |
| | CHILDREN | Children's |
| | SOCIAL | Social affairs |
| | RELIGION | Religious affairs or services |
| | PHONE IN | Phone in |
| | TOURING | Travel programs; not for traffic announcements |
| | LEISURE | Hobbies and recreational activities |
| | DOCUMENT | Documentaries |

▣

# Operating this unit

## Built-in CD Player
### Basic Operations
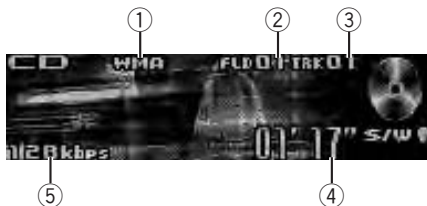


① **WMA/MP3/AAC/WAV** indicator
Shows the type of audio file currently playing when the compressed audio is playing.
② Folder number indicator
Shows the folder number currently playing when the compressed audio is playing.
③ Track number indicator
④ Play time indicator
⑤ Bit rate/sampling frequency indicator
Shows the bit rate or sampling frequency of the current track (file) when the compressed audio is playing.
  • When playing back VBR (variable bit rate)-recorded WMA files, the average bit rate value is displayed.
  • When playing back VBR (variable bit rate)-recorded MP3 files, **VBR** is displayed instead of bit rate value.

● **Inserting a CD/CD-R/CD-RW into the disc loading slot**
Playback will automatically start.
■ **When loading a CD/CD-R/CD-RW, face the label side of a disc up.**

● **Ejecting a CD/CD-R/CD-RW**
Press ▲ (eject).

● **Select a folder**
Push **MULTI-CONTROL** up or down.
■ You cannot select a folder that does not have a compressed audio file recorded in it.

● **Select a track**
Push **MULTI-CONTROL** left or right.

● **Fast forward or reverse**
Push and hold **MULTI-CONTROL** left or right.
■ When playing compressed audio, there is no sound on fast forward or reverse.

● **Return to root folder**
Press and hold **BAND/ESC**.
■ If folder 01 (ROOT) contains no files, playback commences with folder 02.

● **Switch between compressed audio and CD-DA**
Press **BAND/ESC**.
■ This operation is available only when playing CD-EXTRA or MIXED-MODE CDs.
■ If you have switched between compressed audio and CD-DA, playback starts at the first track on the disc.

### 📝 Notes

• The built-in CD player can play back audio CD and compressed audio recorded on a CD-ROM. (Please see the following section for files that can be played back. Refer to page 62.)
• Read the precautions for the player and discs in the following section. Refer to page 60.
• A disc has already been inserted, press **SRC/OFF** to select the built-in CD player.
• There is sometimes a delay between starting up disc playback and the sound being issued. When being read, **FORMAT READ** is displayed.
• If an error message is displayed, refer to *Error messages* on page 59.
• 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.)

## Displaying text information on disc

● **Press DISP/SCRL to select the desired text information.**
  • **For title entered CD**

Play time— ⊘ : disc title and play time
- **For CD TEXT discs**
  Play time— ⊙ : disc artist name and ♪ :
  track title— ⊙ : disc artist name and ⊘ :
  disc title— ⊘ : disc title and ♪ : track title
  — ♪ : track artist name and ♪ : track title
  — ♪ : track title and play time— ♪ : track
  title, ♪ : track artist name and ⊘ : disc title
- **For WMA/MP3/AAC**
  Play time— ▭ : folder name and ♫ : file
  name— ♪ : artist name and ♪ : track title
  — ♪ : artist name and ⊘ : album title— ⊘ :
  album title and ♪ : track title— ♪ : track
  title and play time— ▭ : comment and play
  time— ♪ : track title, ♪ : artist name and
  ⊘ : album title
- **For WAV**
  Play time— ▭ : folder name and ♫ : file
  name

## ✎ Notes

- You can scroll to the left of the title by pressing and holding **DISP/SCRL**.
- Audio CD that contains certain information such as text and/or number is CD TEXT.
- If specific information is not recorded on a disc, title or name is not displayed.
- Depending on the version of iTunes used to write MP3 files onto a disc, comment information may not be correctly displayed.
- Depending on the version of Windows Media™ Player used to encode WMA files, album names and other text information may not be correctly displayed.
- When playing back VBR (variable bit rate)-recorded WMA files, the average bit rate value is displayed.
- When playing back VBR (variable bit rate)-recorded MP3 files, **VBR** is displayed instead of bit rate value.
- The sampling frequency shown in the display may be abbreviated.
- When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll* on page 36.

- Depending on the character sets in the disc, Russian texts may be garbled. About the allowed character sets for Russian texts, refer to *Compressed audio files on the disc* on page 62.

## Selecting tracks from the track title list

Track title list lets you see the list of track titles on a CD TEXT disc and select one of them to play back.

**1   Press ☰/LIST to switch to the track title list mode.**

**2   Use MULTI-CONTROL to select the desired track title.**
Turn to change the track title. Press to play.
- You can also change the track title by pushing **MULTI-CONTROL** up or down.
- You can scroll to the left of the title by pressing and holding **DISP/SCRL**. To stop scrolling, press **DISP/SCRL**.
- To return to the ordinary display, press **BAND/ESC** or ☰/**LIST**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

## Selecting files from the file name list

File name list lets you see the list of file names (or folder names) and select one of them to playback.

**1   Press ☰/LIST to switch to the file name list mode.**
Names of files and folders appear in the display.

**2   Use MULTI-CONTROL to select the desired file name (or folder name).**
Turn to change the name of file or folder.
— when a file is selected, press to play.
— when a folder is selected, press to see a list of files (or folders) in the selected folder.

# Operating this unit

— when a folder is selected, press and hold to play a song in the selected folder.

■ You can also play the file by pushing **MULTI-CONTROL** right.

■ You can also play a song in the selected folder by pushing and holding **MULTI-CONTROL** right.

■ To return to the previous list (the folder one level higher), push **MULTI-CONTROL** left.

■ Number of the folders/files in the currently selected folder will be indicated on the right side of the display.

■ You can scroll to the left of the title by pressing and holding **DISP/SCRL**. To stop scrolling, press **DISP/SCRL**.

■ To return to the ordinary display, press **BAND/ESC** or ☰/**LIST**.

■ If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

## Introduction to advanced operations

**1   Press MULTI-CONTROL to display the main menu.**

**2   Use MULTI-CONTROL to select FUNCTION.**
Turn to change the menu option. Press to select.

**3   Turn MULTI-CONTROL to select the function.**
**Play mode** (repeat play)—**Random mode** (random play)—**Scan mode** (scan play)—**Pause** (pause)—**Sound Retriever** (advanced sound retriever)—**TitleInput "A"** (disc title input)

### 📝 Notes

• To return to the ordinary display, press **BAND/ESC**.

• If you do not operate functions except for **TitleInput "A"** within about 30 seconds, the display automatically returns to the ordinary display.

• When playing a compressed audio disc or CD TEXT disc, you cannot switch to disc title input display.

## Selecting a repeat play range

● **Press ⇄/LOC repeatedly to select the desired setting.**

• **Disc repeat** – Repeat all tracks
• **Track repeat** – Repeat the current track
• **Folder repeat** – Repeat the current folder

■ If you select another folder during repeat play, the repeat play range changes to disc repeat.

■ Performing track search or fast forward/reverse during **Track repeat** (track repeat) changes the repeat play range to disc/folder.

■ When **Folder repeat** (folder repeat) is selected, it is not possible to play back a subfolder of that folder.

### 📝 Note

You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.

## Playing tracks in random order

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

● **Press ✕✕/iPod to turn random play on.**
Tracks play in a random order.

■ To turn random play off, press ✕✕/**iPod** again.

### 📝 Note

You can also turn this function on or off in the menu that appears by using **MULTI-CONTROL**.

## Scanning folders and tracks

Scan play searches the song within the selected repeat range.

**1   Use MULTI-CONTROL to select Scan mode in the function menu.**
Refer to *Introduction to advanced operations* on this page.

**2   Press MULTI-CONTROL to turn scan play on.**
The first 10 seconds of each track is played.

**3   When you find the desired track press MULTI-CONTROL to turn scan play off.**
▪ If the display has automatically returned to the playback display, select **Scan mode** again by using **MULTI-CONTROL**.
▪ After scanning of a disc (folder) is finished, normal playback of the tracks begins.

## Pausing playback

**1   Use MULTI-CONTROL to select Pause in the function menu.**
Refer to *Introduction to advanced operations* on the previous page.

**2   Press MULTI-CONTROL to turn pause on.**
Playback of the current track pauses.
▪ To turn pause off, press **MULTI-CONTROL** again.

## Using advanced sound retriever

Advanced sound retriever function automatically enhances compressed audio and restores rich sound.

● **Press S.Rtrv repeatedly to select the desired setting.**
**OFF** (off)—**1**—**2**
▪ **2** is more effective than **1**.

### 📝 Note

You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.

## 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 is displayed.

### Entering disc titles

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

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

**2   Use MULTI-CONTROL to select TitleInput "A" in the function menu.**
Refer to *Introduction to advanced operations* on the previous page.

**3   Press DISP/SCRL to select the desired character type.**
Press **DISP/SCRL** repeatedly to switch between the following character types:
Alphabet (upper case), numbers and symbols
—Alphabet (lower case)—European letters, such as those with accents (e.g. **á**, **à**, **ä**, **ç**)—Numbers and symbols

**4   Push MULTI-CONTROL up or down to select a letter of the alphabet.**

**5   Push MULTI-CONTROL left or right to move the cursor to the previous or next character position.**

**6   Move the cursor to the last position by pushing MULTI-CONTROL right after entering the title.**
When you push **MULTI-CONTROL** right one more time, the entered title is stored in memory.

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

### 📝 Notes

• Titles remain in memory, even after the disc is removed from the unit, and are recalled when the disc is reinserted.
• After data for 48 discs are stored in the memory, data for a new disc overwrites the oldest one.
• If you connect a multi-CD player, you can input disc titles for up to 100 discs.

## Operating this unit

• When a multi-CD player that does not support disc title functions is connected, you cannot enter disc titles in this unit. ◼

# Playing songs in a USB storage device

You can play compressed audio files stored in a USB storage device.
• For details about compatibility, refer to *Additional Information* on page 59.

## Basic Operations
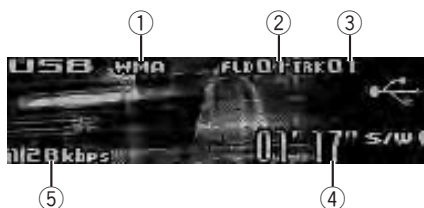


① **WMA/MP3/AAC/WAV** indicator
  Shows the type of file currently playing.
② Folder number indicator
③ Track number indicator
④ Play time indicator
⑤ Bit rate/sampling frequency indicator
  • When playing back VBR (variable bit rate)-recorded WMA files, the average bit rate value is displayed.
  • When playing back VBR (variable bit rate)-recorded MP3 files, **VBR** is displayed instead of bit rate value.

● **Plugging a USB storage device and playing**
  1 Plug a USB storage device into the USB port.
    Regarding the position of USB port, refer to *Head unit* on page 9.
  2 Press **SRC**/**OFF** to select **USB** as a source. Playback will start.
  ▪ Use a USB cable to connect the USB storage device to the USB port. Since the USB storage device is projected forward from the unit, it is dangerous to connect directly.

● **Select a folder**
Push **MULTI-CONTROL** up or down.

● **Fast forward or reverse**
Push and hold **MULTI-CONTROL** left or right.

● **Select a track**
Push **MULTI-CONTROL** left or right.

● **Return to root folder**
Press and hold **BAND/ESC**.

● **Unplugging a USB storage device**
Pull out the USB storage device.
You can disconnect the USB storage device anytime you want to finish listening to it.

### ✎ Notes

• Read the precautions for USB storage devices and this unit in the following section. Refer to *Additional Information*.
• If an error message is displayed, refer to *Error messages* on page 59.
• If folder 01 (ROOT) contains no files, playback commences with folder 02.
• When the USB portable audio player having battery charging function is connected to this unit and the ignition switch is set to ACC or ON, the battery is charged.

## Displaying text information of an audio file

The operation is the same as that of the built-in CD player.
Refer to *Displaying text information on disc* on page 17.

### ✎ Notes

• If the characters recorded on the audio file are not compatible with the head unit, those characters are not displayed.
• The text information of some audio files may not be correctly displayed.

## Selecting files from the file name list

The operation is the same as that of the built-in CD player.
Refer to *Selecting files from the file name list* on page 18.

## Introduction to advanced operations

**1  Press MULTI-CONTROL to display the main menu.**

**2  Use MULTI-CONTROL to select FUNCTION.**
Turn to change the menu option. Press to select.

**3  Turn MULTI-CONTROL to select the function.**
**Play mode** (repeat play)—**Random mode** (random play)—**Scan mode** (scan play)—**Pause** (pause)—**Sound Retriever** (advanced sound retriever)

### Function and operation

**Play mode**, **Random mode**, **Scan mode**, **Pause** and **Sound Retriever** operations are basically the same as that of the built-in CD player.

| Function name | Operation |
|---|---|
| **Play mode** | Refer to *Selecting a repeat play range* on page 19.<br>However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the USB storage device are:<br>• **Track repeat** – Repeat just the current file<br>• **Folder repeat** – Repeat the current folder<br>• **All repeat** – Repeat all files |
| **Random mode** | Refer to *Playing tracks in random order* on page 19. |

# Operating this unit

| Scan mode | Refer to *Scanning folders and tracks* on page 19. |
|---|---|
| Pause | Refer to *Pausing playback* on page 20. |
| Sound Retriever | Refer to *Using advanced sound retriever* on page 20. |

## Notes

- To return to the ordinary display, press **BAND/ESC**.
- If you select another folder during repeat play, the repeat play range changes to **All repeat**.
- If you perform track search or fast forward/reverse during **Track repeat**, the repeat play range changes to **Folder repeat**.
- When **Folder repeat** is selected, it is not possible to play back a subfolder of that folder.
- After file or folder scanning is finished, normal playback of the files begins again.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display. ◼

## Playing songs on iPod

You can control and listen to songs on an iPod.

- For details about the supported iPod, refer to *iPod compatibility* on page 63.
- When using an iPod, iPod Dock Connector to USB Cable is required.

### Basic Operations
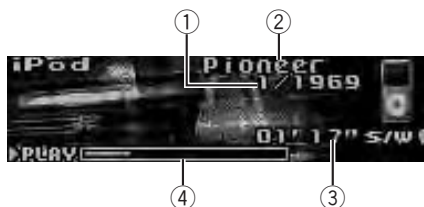


① Song number indicator
② iPod name
③ Play time indicator
④ Song time (progress bar)

● **Connecting an iPod**

1 Plug an iPod into the USB port using the iPod Dock Connector to USB Cable. Regarding the position of USB port, refer to *Head unit* on page 9.

2 Press **SRC/OFF** to select **iPod** as a source. Playback will start.

● **Fast forward or reverse**

Push and hold **MULTI-CONTROL** left or right.

● **Select a track (chapter)**

Push **MULTI-CONTROL** left or right.

● **Disconnecting an iPod**

Pull out the iPod Dock Connector to USB Cable.

## Notes

- Read the precautions for iPod in the following section. Refer to page 63.
- If an error message is displayed, refer to *Error messages* on page 59.

- When the ignition switch is set to ACC or ON, the iPod's battery is charged while the iPod is connected to this unit.
- While the iPod is connected to this unit, the iPod cannot be turned on or off. However when the control mode is set to **iPod**, you can turn the iPod on or off.
- Before connecting the dock connector of this unit to the iPod, disconnect the headphones from the iPod.
- The iPod is turned off about two minutes after the ignition switch is set to OFF.

## Browsing for a song

Operations to control an iPod with this unit is designed to be as close to the iPod as possible to make operation and song search easy.

- Depending on the number of files in the iPod, there may be a delay when displaying a list.
- If the characters recorded on the iPod are not compatible with this unit, those characters are not displayed.

### Searching songs by category

**1    Press ☰/LIST to switch to the top menu of the list search.**

**2    Use MULTI-CONTROL to select a category.**
Turn to change the category. Press to select.
**Playlists** (playlists)—**Artists** (artists)—
**Albums** (albums)—**Songs** (songs)—**Podcasts** (podcasts)—**Genres** (genres)—**Composers** (composers)—**Audiobooks** (audiobooks)
List for the selected category is displayed.

- You can start playback throughout the selected category by pressing and holding **MULTI-CONTROL**. You can also perform this operation by pushing and holding **MULTI-CONTROL** right.
- You can also change the category by pushing **MULTI-CONTROL** up or down.
- You can also select the category by pushing **MULTI-CONTROL** right.

**3    Repeat step 2 to find a song you want to listen to.**

- To return to the previous category, push **MULTI-CONTROL** left.
- To return to the top tier of categories, push and hold **MULTI-CONTROL** left.
- You can scroll to the left of the title by pressing and holding **DISP/SCRL**. To stop scrolling, press **DISP/SCRL**.
- To return to the ordinary display, press **BAND/ESC**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

### Searching by alphabet in the list

**1    Press ☰/LIST to switch to the top menu of the list search.**

**2    Use MULTI-CONTROL to select a category.**
Turn to change the category. Press to select.

**3    When a list for the selected category is displayed, press ☰/LIST to switch to alphabet search mode.**

**4    Turn MULTI-CONTROL to select a letter of the alphabet.**

**5    Press MULTI-CONTROL to display the alphabetical list.**
The list is displayed starting from the selected letter of the alphabet.

- If alphabet search is aborted, **NOT FOUND** is displayed.

## Displaying text information on iPod

● **Press DISP/SCRL to select the desired text information.**
Play time—🎵: artist name and 🎵 : song title —🎵: artist name and ⊘: album name—⊘: album name and 🎵 : song title—🎵 : song title and play time—🎵 : song title, 🎵: artist name and ⊘: album name

# Operating this unit

■ If the characters recorded on the iPod are not compatible with this unit, those characters are not displayed.

## 📝 Notes

• You can scroll the text information to the left by pressing and holding **DISP/SCRL**.
• When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll* on page 36.

## Introduction to advanced operations

**1    Press MULTI-CONTROL to display the main menu.**

**2    Use MULTI-CONTROL to select FUNCTION.**
Turn to change the menu option. Press to select.

**3    Turn MULTI-CONTROL to select the function.**
**Play mode** (repeat play)—**Shuffle mode** (shuffle)—**Shuffle all** (shuffle all)—**Link play** (link play)—**Control mode** (control mode)—**Pause** (pause)—**Audiobooks** (audiobook speed)—**Sound Retriever** (advanced sound retriever)

### Function and operation

**Play mode**, **Pause** and **Sound Retriever** operations are basically the same as that of the built-in CD player.

| Function name | Operation |
|---|---|
| **Play mode** | Refer to *Selecting a repeat play range* on page 19. However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the iPod are:<br>• **Repeat One** – Repeat the current song<br>• **Repeat All** – Repeat all songs in the selected list |
| **Pause** | Refer to *Pausing playback* on page 20. |
| **Sound Retriever** | Refer to *Using advanced sound retriever* on page 20. |

## 📝 Notes

• To return to the ordinary display, press **BAND/ESC**.
• If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.
• When **Control mode** is set to **iPod**, only **Control mode**, **Pause** and **Sound Retriever** can be operated.

## Playing songs in a random order (shuffle)

**1    Use MULTI-CONTROL to select Shuffle mode in the function menu.**
Refer to *Introduction to advanced operations* on this page.

**2    Press MULTI-CONTROL to select your favorite setting.**
• **Shuffle Songs** – Play back songs in the selected list in random order.
• **Shuffle Albums** – Play back songs from a randomly selected album in order.
• **Shuffle OFF** – Cancel random play.

## Playing all songs in a random order (shuffle all)

● **Press ✕✕/iPod to turn shuffle all on.**
All songs on the iPod play randomly.
▪ To turn shuffle all off, set **Shuffle mode** in the **FUNCTION** menu to off.

### 📝 Note

You can also turn this function on in the menu that appears by using **MULTI-CONTROL**.

## Playing songs related to the currently playing song

Songs related to the currently playing song are played. You can play songs of the following lists.
— Album list of currently playing artist
— Song list of currently playing album
— Album list of currently playing genre
• Depending on the number of files in the iPod, there may be a delay when displaying a list.

**1   Press and hold ☰/LIST to switch to the link play mode.**
**Link play** is displayed.

**2   Use MULTI-CONTROL to select the desired mode.**
Push **MULTI-CONTROL** left or right to change the mode; press to select.
• **Artist** – Plays the album of currently playing artist.
• **Album** – Plays the song of currently playing album.
• **Genre** – Plays the album of currently playing genre.
**Searching** flashes while searching the list and then the playback of the list starts.
▪ If the related albums/songs are not found, **Not Found** is displayed.

### 📝 Note

You can also turn this function on in the menu that appears by using **MULTI-CONTROL**.

## Operating this unit's iPod function from your iPod

*This function cannot be operated with the following iPod models.*
*— iPod nano first generation*
*— iPod fifth generation*
This unit's iPod function can be operated from your iPod. Sound can be heard from the car's speakers, and operation can be conducted from your iPod.
• While this function is in use, even if the ignition key is turned off, the iPod will not be turned off. To turn off power, operate the iPod.

**1   Press ✕✕/iPod and hold to switch the control mode.**
Each pressing and holding ✕✕/**iPod** switches the control mode as follows:
• **iPod** – This unit's iPod function can be operated from the connected iPod.
• **AUDIO** – This unit's iPod function can be operated from this unit.

**2   When you select iPod, operate the connected iPod to select a song and play.**
▪ Switching the control mode to **iPod** pauses song playback. Operate the iPod to start playback.
▪ Even if the control mode is set to **iPod**, following functions are available from this unit.
• Volume
• Fast forward/reverse
• Track up/down
• Pausing
• Switching the text information

### 📝 Notes

• You can also switch the control mode in the menu that appears by using **MULTI-CONTROL**.

# Operating this unit

- When the control mode is set to **iPod**, operations are limited as follows:
  — Functions other than **Control mode** (control mode), **Pause** (pause) and **Sound Retriever** (advanced sound retriever) cannot be selected.
  — Browse function cannot be operated from this unit.
- Turning this function on pauses song playback. Operate the iPod to start playback.

## Changing audiobook speed

While listening to an audiobook on iPod, playback speed can be changed.

**1 Use MULTI-CONTROL to select Audiobooks in the function menu.**
Refer to *Introduction to advanced operations* on page 25.

**2 Press MULTI-CONTROL to select your favorite setting.**
Press **MULTI-CONTROL** repeatedly until the desired setting appears in the display.

- **Faster** – Playback faster than normal speed
- **Normal** – Playback in normal speed
- **Slower** – Playback slower than normal speed ▪

## Introduction of audio adjustments
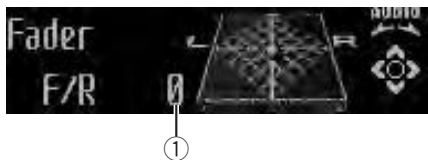


① Audio display
Shows the audio adjustment status.

**1    Press MULTI-CONTROL to display the main menu.**

**2    Use MULTI-CONTROL to select AUDIO.**
Turn to change the menu option. Press to select.
The audio menu is displayed.

**3    Turn MULTI-CONTROL to select the audio function.**
Turn **MULTI-CONTROL** to switch between the audio functions in the following order.
**Fader** (balance adjustment)—**Powerful** (graphic equalizer adjustment)—**50Hz** (7-band graphic equalizer adjustment)—**Loudness** (loudness)—**SubWoofer1** (subwoofer on/off setting)—**SubWoofer2** (subwoofer setting)—**Bass** (bass boost)—**HPF** (high pass filter)—**SLA** (source level adjustment)—**ASL** (automatic sound levelizer)
■  You can select the **SubWoofer2** only when subwoofer output is turned on in **SubWoofer1**.
■  When selecting FM as the source, you cannot switch to **SLA**.
■  To return to the display of each source, press **BAND/ESC**.
■  If you do not operate functions except for **50Hz** within about 30 seconds, the display is automatically returned to the ordinary display. ▣

## Using balance adjustment

You can change the fader/balance setting so that it can provide the ideal listening environment in all occupied seats.

**1    Use MULTI-CONTROL to select Fader in the audio function menu.**
Refer to *Introduction of audio adjustments* on this page.
■  If the balance setting has been previously adjusted, **Balance** will be displayed.

**2    Push MULTI-CONTROL up or down to adjust front/rear speaker balance.**
Each time **MULTI-CONTROL** is pushed up or down, the front/rear speaker balance moves towards the front or rear.
**Front 15** to **Rear 15** is displayed as the front/rear speaker balance moves from front to rear.
■  **F/R 0** is the proper setting when only two speakers are used.
■  When the rear output setting is **Rear SP :S/W**, you cannot adjust front/rear speaker balance. Refer to *Setting the rear output and subwoofer controller* on page 35.

**3    Push MULTI-CONTROL left or right to adjust left/right speaker balance.**
Each time **MULTI-CONTROL** is pushed left or right, the left/right speaker balance moves towards the left or right.
**Left 15** to **Right 15** 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 the car's interior acoustic characteristics as desired.

### Recalling equalizer curves

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

# Audio Adjustments

| Display | Equalizer curve |
|---------|-----------------|
| **Powerful** | Powerful |
| **Natural** | Natural |
| **Vocal** | Vocal |
| **Custom1** | Custom 1 |
| **Custom2** | Custom 2 |
| **Flat** | Flat |
| **SuperBass** | Super bass |

• **Custom1** and **Custom2** are adjusted equalizer curves that you create. Adjustments can be made with a 7-band graphic equalizer.
• When **Flat** is selected, no supplement or correction is made to the sound. This is useful to check the effect of the equalizer curves by switching alternatively between **Flat** and a set equalizer curve.

**1    Use MULTI-CONTROL to select the graphic equalizer adjustment.**
Refer to *Introduction of audio adjustments* on the previous page.
**Powerful** appears in the display.
If the equalizer curve has been previously selected, the curve of that previously selected will be displayed instead of **Powerful**.

**2    Push MULTI-CONTROL left or right to select an equalizer curve.**
Each time **MULTI-CONTROL** is pushed left or right, equalizer curves are selected in the following order:
**Powerful**—**Natural**—**Vocal**—**Custom1**—**Custom2**—**Flat**—**SuperBass**

## Adjusting equalizer curves

The factory supplied equalizer curves, with the exception of **Flat**, can be adjusted to a fine degree (nuance control).

**1    Recall the equalizer curve you want to adjust.**
Refer to *Recalling equalizer curves* on the previous page.

**2    Push MULTI-CONTROL up or down to adjust the equalizer curve.**
Each time **MULTI-CONTROL** is pushed up or down, the equalizer curve increases or decreases respectively.
**+6** to **–4** (or **–6**) is displayed as the equalizer curve is increased or decreased.
■ The actual range of the adjustments are different depending on which equalizer curve is selected.
■ The equalizer curve with all frequencies set to **0** cannot be adjusted.

## Adjusting 7-band graphic equalizer

For **Custom1** and **Custom2** equalizer curves, you can adjust the level of each band.
• A separate **Custom1** 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 when a curve other than **Custom2** is selected, the equalizer curve settings will be memorized in **Custom1**.
• A **Custom2** curve can be created common to all sources. If you make adjustments when the **Custom2** curve is selected, the **Custom2** curve will be updated.

**1    Recall the equalizer curve you want to adjust.**
Refer to *Recalling equalizer curves* on the previous page.

**2    Use MULTI-CONTROL to select 7-band graphic equalizer adjustment.**
Frequency and the level (e.g., **50Hz +4**) appears in the display.

**3  Push MULTI-CONTROL left or right to
select the equalizer band to adjust.**
Each time **MULTI-CONTROL** is pushed left or
right, equalizer bands are selected in the fol-
lowing order:
**50Hz—125Hz—315Hz—800Hz—2kHz—
5kHz—12.5kHz**

**4  Push MULTI-CONTROL up or down to
adjust the level of the equalizer band.**
Each time **MULTI-CONTROL** is pushed up or
down, the level of the equalization band in-
creases or decreases.
**+6** to **–6** is displayed as the level is increased
or decreased.
▪ You can then select another band and adjust
the level.

**5  Press BAND/ESC to cancel the 7-band
graphic equalizer adjustment.**◨

# Adjusting loudness

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

**1  Use MULTI-CONTROL to select
Loudness in the audio function menu.**
Refer to *Introduction of audio adjustments* on
page 28.

**2  Press MULTI-CONTROL to turn loudness
on.**
Loudness level (e.g., **Mid**) appears in the dis-
play.
▪ To turn loudness off, press **MULTI-CONTROL**
again.

**3  Push MULTI-CONTROL left or right to
select a desired level.**
Each time **MULTI-CONTROL** is pushed left or
right, level is selected in the following order:
**Low** (low)—**Mid** (mid)—**High** (high)◨

# Using subwoofer output

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

**1  Use MULTI-CONTROL to select
SubWoofer1.**
Refer to *Introduction of audio adjustments* on
page 28.

**2  Press MULTI-CONTROL to turn subwoo-
fer output on.**
**Normal** appears in the display. Subwoofer out-
put is now on.
▪ To turn subwoofer output off, press
**MULTI-CONTROL** again.

**3  Push MULTI-CONTROL left or right to
select the phase of subwoofer output.**
Push **MULTI-CONTROL** left to select reverse
phase and **Reverse** appears in the display.
Push **MULTI-CONTROL** right to select normal
phase and **Normal** appears in the display.

# Adjusting subwoofer settings

When the subwoofer output is on, you can ad-
just the cut-off frequency and the output level
of the subwoofer.
Only frequencies lower than those in the se-
lected range are outputted from the subwoo-
fer.
• When the subwoofer output is on, you can
select **SubWoofer2**.

**1  Use MULTI-CONTROL to select
SubWoofer2.**
Refer to *Introduction of audio adjustments* on
page 28.

**2  Push MULTI-CONTROL left or right to
select cut-off frequency.**
Each time **MULTI-CONTROL** is pushed left or
right, cut-off frequencies are selected in the
following order:
**50Hz—63Hz—80Hz—100Hz—125Hz**

# Audio Adjustments

**3 Push MULTI-CONTROL up or down to adjust the output level of the subwoofer.**
Each time **MULTI-CONTROL** is pushed up or down, subwoofer level increases or decreases. **+6** to **-24** is displayed as the level is increased or decreased. ◼

## Boosting the bass

Bass boost function boosts the bass level of sound.

**1 Use MULTI-CONTROL to select Bass.**
Refer to *Introduction of audio adjustments* on page 28.

**2 Push MULTI-CONTROL up or down to select a desired level.**
**0** to **+6** is displayed as the level is increased or decreased. ◼

## Using the high pass filter

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

**1 Use MULTI-CONTROL to select HPF.**
Refer to *Introduction of audio adjustments* on page 28.

**2 Press MULTI-CONTROL to turn high pass filter on.**
**80Hz** 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 **80Hz**.
◾ To turn high pass filter off, press **MULTI-CONTROL** again.

**3 Push MULTI-CONTROL left or right to select cut-off frequency.**
Each time **MULTI-CONTROL** is pushed left or right, cut-off frequencies are selected in the following order:
**50Hz—63Hz—80Hz—100Hz—125Hz** ◼

## Adjusting source levels

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

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

**2 Use MULTI-CONTROL to select SLA in the audio function menu.**
Refer to *Introduction of audio adjustments* on page 28.

**3 Push MULTI-CONTROL up or down to adjust the source volume.**
Each time **MULTI-CONTROL** is pushed up or down, source volume increases or decreases. **SLA +4** to **SLA –4** is displayed as the source volume is increased or decreased.

### ✎ Notes
• The MW/LW 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. ◼

# Using automatic sound levelizer

During driving, noise in the car changes according to the driving speed and road conditions. The automatic sound levelizer (**ASL**) monitors such varying noise and automatically increases the volume level, if this noise becomes greater. The sensitivity (variation of volume level to noise level) of ASL can be set to one of five levels.

**1    Use MULTI-CONTROL to select ASL.**
Refer to *Introduction of audio adjustments* on page 28.

**2    Press MULTI-CONTROL to turn ASL on.**
**Mid** appears in the display.
■  To turn ASL off, press **MULTI-CONTROL** again.

**3    Push MULTI-CONTROL left or right to select the desired ASL level.**
Each time **MULTI-CONTROL** is pushed left or right, ASL level is selected in the following order:
**Low** (low)—**Mid-Low** (mid-low)—**Mid** (mid)—**Mid-High** (mid-high)—**High** (high) ■

## Initial Settings

## Adjusting initial settings



① Function display

Using the initial settings, you can customize various system settings to achieve optimal performance from this unit.
① Function display
  • Shows the function status.

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

**2   Press MULTI-CONTROL and hold until the initial setting menu appears in the display.**

**3   Turn MULTI-CONTROL to select one of the initial settings.**
Turn **MULTI-CONTROL** to switch between the functions in the following order.
**Language select** (language selection)—
**Calendar** (calendar)—**Clock** (clock)—
**Off clock** (off clock)—**FM step** (FM tuning step)—**Auto PI** (auto PI seek)—**Warning tone** (warning tone)—**AUX1** (auxiliary input 1)—
**AUX2** (auxiliary input 2)—**Dimmer** (dimmer)
—**Brightness** (brightness)—**S/W control** (rear output and subwoofer controller)—**Mute** (sound muting/attenuation)—**Demonstration** (feature demo)—**Reverse mode** (reverse mode)—**Ever-scroll** (ever scroll)—**BT AUDIO** (Bluetooth audio)—**Pin code input** (pin code input)—**BT Version info.** (Bluetooth version information)
Use the following instructions to operate each particular setting.
▪ **BT AUDIO**, **Pin code input** and
**BT Version info.** can be selected only when Bluetooth adapter (e.g., CD-BTB200) is connected to this unit.
▪ To cancel initial settings, press **BAND/ESC**. ◼

## Selecting the display language

For your convenience, this unit equips multiple language display. You can select the language best suited to your first language.

**1   Use MULTI-CONTROL to select Language select in the initial setting menu.**
Refer to *Adjusting initial settings* on this page.

**2   Press MULTI-CONTROL to select the language.**
Each press of **MULTI-CONTROL** selects languages in the following order:
**English**—**Français**—**Italiano**—**Español**—
**Deutsch**—**Nederlands**—**РУССКИЙ** ◼

## Setting the date

The calendar display adjusted in this mode appears when the telephone source is selected or sources and the feature demo are off.

**1   Use MULTI-CONTROL to select Calendar in the initial setting menu.**
Refer to *Adjusting initial settings* on this page.
**Calendar** appears in the display.

**2   Push MULTI-CONTROL left or right to select the segment of the calendar display you wish to set.**
Pushing **MULTI-CONTROL** left or right will select one segment of the calendar display:
Day—Month—Year
As you select segments of the calendar display the segment selected will blink.

**3   Push MULTI-CONTROL up or down to set the date.**
Pushing **MULTI-CONTROL** up will increase the selected day, month or year. Pushing **MULTI-CONTROL** down will decrease the selected day, month or year. ◼

## Setting the clock

Use these instructions to set the clock.

Initial Settings

**1    Use MULTI-CONTROL to select Clock in the initial setting menu.**
Refer to *Adjusting initial settings* on the previous page.

**2    Push MULTI-CONTROL left or right to select the segment of the clock display you wish to set.**
Pushing **MULTI-CONTROL** left or right will select one segment of the clock display:
Hour—Minute
As you select segments of the clock display, the selected segment blinks.

**3    Push MULTI-CONTROL up or down to put a clock right.**

### 📝 Note

You can match the clock to a time signal by pressing **MULTI-CONTROL**.
• If **00** to **29**, the minutes are rounded down. (e.g., **10:18** becomes **10:00**.)
• If **30** to **59**, the minutes are rounded up. (e.g., **10:36** becomes **11:00**.) ■

## Turning the off clock display on or off

If the off clock display is turned on and the sources and the feature demo are off, the clock display appears on the display.

**1    Use MULTI-CONTROL to select Off clock in the initial setting menu.**
Refer to *Adjusting initial settings* on the previous page.

**2    Press MULTI-CONTROL to turn the off clock display on.**
■ To turn the off clock display off, press **MULTI-CONTROL** again. ■

## Setting the FM tuning step

Normally the FM tuning step employed by seek tuning is 50 kHz. When AF or TA is on,

the tuning step automatically changes to 100 kHz. It may be preferable to set the tuning step to 50 kHz when AF is on.

**1    Use MULTI-CONTROL to select FM step in the initial setting menu.**
Refer to *Adjusting initial settings* on the previous page.

**2    Press MULTI-CONTROL to select the FM tuning step.**
Pressing **MULTI-CONTROL** repeatedly will switch the FM tuning step between 50 kHz and 100 kHz. The selected FM tuning step will appear in the display.

### 📝 Note

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

## Switching Auto PI Seek

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

**1    Use MULTI-CONTROL to select Auto PI in the initial setting menu.**
Refer to *Adjusting initial settings* on the previous page.

**2    Press MULTI-CONTROL to turn Auto PI seek on.**
■ To turn Auto PI seek off, press **MULTI-CONTROL** again. ■

## Switching the warning tone

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

**1   Use MULTI-CONTROL to select
Warning tone in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Press MULTI-CONTROL to turn warning
tone on.**
■  To turn warning tone off, press
**MULTI-CONTROL** again.◼

## Switching the auxiliary setting

Auxiliary devices connected to this unit can be
activated individually. Set each AUX source to
ON when using. For more information about
connecting or using auxiliary devices, refer to
*Using the AUX source* on page 38.

**1   Use MULTI-CONTROL to select AUX1/
AUX2 in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Press MULTI-CONTROL to turn AUX1/
AUX2 on.**
■  To turn AUX off, press **MULTI-CONTROL**
again.◼

## Switching the dimmer setting

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

**1   Use MULTI-CONTROL to select Dimmer
in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Press MULTI-CONTROL to turn dimmer
on.**
■  To turn dimmer off, press **MULTI-CONTROL**
again.◼

## Adjusting the brightness

You can adjust the display brightness.

**1   Use MULTI-CONTROL to select
Brightness in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Push MULTI-CONTROL left or right to
adjust the brightness level.**
**0** to **15** is displayed as the level is increased or
decreased.
■  When dimmer is functioning, the brightness
level can be adjusted **0** to **10**.◼

## Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads out-
put and RCA rear output) can be used for full-
range speaker (**Rear SP :F.Range**) or subwoo-
fer (**Rear SP :S/W**) connection. If you switch
the rear output setting to **Rear SP :S/W**, you
can connect a rear speaker lead directly to a
subwoofer without using an auxiliary amp.
Initially, the unit is set for rear full-range speak-
er connection (**Rear SP :F.Range**).

**1   Use MULTI-CONTROL to select
S/W control in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Press MULTI-CONTROL to switch the
rear output setting.**
Pressing **MULTI-CONTROL** will switch be-
tween **Rear SP :F.Range** (full-range speaker)
and **Rear SP :S/W** (subwoofer) and that status
will be displayed.
■  When no subwoofer is connected to the rear
output, select **Rear SP :F.Range** (full-range speak-
er).
■  When a subwoofer is connected to the rear
output, select **Rear SP :S/W** (subwoofer).

### 📝 Notes

• Even if you change this setting, there is no
output unless you turn the subwoofer output
on (refer to *Using subwoofer output* on page
30).

• If you change this setting, subwoofer output in the audio menu will return to the factory settings.
• Both rear speaker lead outputs and RCA rear output are switched simultaneously in this setting. ◼

## Switching the sound muting/attenuation

Sound from this system is muted or attenuated automatically when the signal from the equipment with mute function is received.
• The sound is muted or attenuated, **MUTE** or **ATT** are displayed and no audio adjustment is possible.
• Sound from this system returns to normal when the muting or attenuation is canceled.

**1   Use MULTI-CONTROL to select Mute in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Press MULTI-CONTROL to switch the telephone muting/attenuation.**
Pressing **MULTI-CONTROL** will switch between **TEL ATT** (attenuation) and **TEL mute** (muting) and that status will be displayed. ◼

## Switching the feature demo

The feature demo automatically starts when power to this unit is turned off while the ignition switch is set to ACC or ON.

**1   Use MULTI-CONTROL to select Demonstration in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Press MULTI-CONTROL to turn the feature demo on.**
▪ To turn the feature demo off, press **MULTI-CONTROL** again.

## 🖉 Notes

• Remember that if the feature demo continues operating when the car engine is turned off, it may drain battery power.
• You can also turn on or off feature demo by pressing **DISP** while this unit is turned off. For more details, refer to *About the demo mode* on page 7. ◼

## Switching the reverse mode

If you do not perform an operation for about 30 seconds, screen indications start to reverse, and continue reversing every 10 seconds.

**1   Use MULTI-CONTROL to select Reverse mode in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Press MULTI-CONTROL to turn the reverse mode on.**
▪ To turn the reverse mode off, press **MULTI-CONTROL** again.

## 🖉 Note

You can also turn on or off reverse mode by pressing **BAND/ESC** while this unit is turned off. For more details, refer to *Reverse mode* on page 7. ◼

## Switching the ever scroll

When ever scroll is set to on, CD text information scrolls continuously in the display. Set to off if you prefer the information to scroll just once.

**1   Use MULTI-CONTROL to select Ever-scroll in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Press MULTI-CONTROL to turn the ever scroll on.**
▪ To turn the Ever Scroll off, press **MULTI-CONTROL** again. ◼

# Initial Settings

## Activating the BT Audio source

You need to activate the **BT Audio** source in order to use a Bluetooth audio player.

- You can only operate this function when Bluetooth adapter (e.g. CD-BTB200) is connected to this unit.

**1   Use MULTI-CONTROL to select BT AUDIO in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Press MULTI-CONTROL to turn the BT Audio source on.**

- To turn the **BT Audio** source off, press **MULTI-CONTROL** again. ▣

## Entering PIN code for Bluetooth wireless connection

To connect your cellular phone to this unit via Bluetooth wireless technology, you need to enter PIN code on your phone to verify the connection. The default code is **0000**, but you can change this in this function.

- With some Bluetooth audio players, you may be required to enter the Bluetooth audio player PIN code in advance to set this unit for a connection.
- You can only operate this function when Bluetooth adapter (e.g. CD-BTB200) is connected to this unit.

**1   Use MULTI-CONTROL to select Pin code input in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.

**2   Push MULTI-CONTROL up or down to select a number.**

**3   Push MULTI-CONTROL left or right to move the cursor to the previous or next position.**

**4   After inputting PIN code (up to 16 digits), press MULTI-CONTROL.**
PIN code can be stored in memory.

When you press **MULTI-CONTROL** again on the same display, the PIN code you entered is stored in this unit.

- Pushing **MULTI-CONTROL** right in the confirmation display returns you to the PIN code input display, and you can change the PIN code. ▣

## Displaying system version for repair

Should this unit fails to operate properly and you consult your dealer for repair, you may be asked to indicate the system versions of this unit and of Bluetooth module. You can display the versions and confirm them.

- You can only operate this function when Bluetooth adapter (e.g. CD-BTB200) is connected to this unit.

**1   Use MULTI-CONTROL to select BT Version info. in the initial setting menu.**
Refer to *Adjusting initial settings* on page 33.
The system (microprocessor) version of this unit is displayed.

**2   Push MULTI-CONTROL left to switch to the version of the Bluetooth module of this unit.**

- Pushing **MULTI-CONTROL** right returns to the system version of this unit. ▣

## Other Functions

# Using the AUX source

Up to two auxiliary devices such as VCR or portable devices (sold separately) can be connected to this unit. When connected, auxiliary devices are automatically read as AUX sources and assigned to **AUX1** or **AUX2**. The relationship between **AUX1** and **AUX2** sources is explained below.

## About AUX1 and AUX2

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

## AUX1 source:

*When connecting auxiliary device using a stereo mini plug cable*

● **Insert the stereo mini plug into the input jack on this unit.**
For more details, refer to *Head unit* on page 9. This auxiliary device is automatically set to **AUX1**.

## AUX2 source:

*When connecting auxiliary device using an IP-BUS-RCA Interconnector (sold separately)*

● **Use an IP-BUS-RCA Interconnector such as the CD-RB20/CD-RB10 (sold separately) to connect this unit to auxiliary device featuring RCA output.**
For more details, refer to the IP-BUS-RCA Interconnector owner's manual.
This auxiliary device is automatically set to **AUX2**.
■ You can only make this type of connection if the auxiliary device has RCA outputs.

## Selecting AUX as the source

● **Press SRC to select AUX as the source.**
■ If the auxiliary setting is not turned on, **AUX** cannot be selected. For more details, refer to *Switching the auxiliary setting* on page 35.

# Setting the AUX title

The title displayed for the **AUX1** or **AUX2** source can be changed.

**1    After you have selected AUX as the source, use MULTI-CONTROL and select FUNCTION to display TitleInput "A".**

**2    Enter a title in the same way as the built-in CD player.**
For details concerning operation, refer to *Entering disc titles* on page 20. ◼

# Using the external unit

External unit refers to a Pioneer product (such as ones available in the future) that, although incompatible as a source, enables control of basic functions with this unit. Two external units can be controlled with this unit. When two external units are connected, the external unit is automatically allocated to external unit 1 or external unit 2 by this unit.
Basic operations of the external unit are explained below. Allocated functions are different depending on the connected external unit. For details concerning functions, refer to external unit's owner's manual.

## Selecting the external unit as the source

● **Press SRC/OFF to select EXTERNAL as the source.**

## Basic operation

Functions allocated to the following operations are different depending on the connected external unit. For details concerning functions, refer to the connected external unit's owner's manual.

● **Press BAND/ESC.**

● **Press and hold BAND/ESC.**

● **Push MULTI-CONTROL left or right.**

● **Push and hold MULTI-CONTROL left or right.**

● **Push MULTI-CONTROL up or down.**

### Using the functions allocated to 1 to 6 keys

**1   Press ☰/LIST.**

**2   Use MULTI-CONTROL to select Key 1 to Key 6.**
Turn to change **Key 1** to **Key 6** and press.

### Advanced operations

**1   Press MULTI-CONTROL to display the main menu.**

**2   Use MULTI-CONTROL to select FUNCTION.**
Turn to change the menu option. Press to select.

**3   Turn MULTI-CONTROL to select the function.**
**Function1** (function 1)—**Function2** (function 2)—**Function3** (function 3)—**Function4** (function 4)—**Auto/Manual** (auto/manual)

### 📝 **Note**

To return to the ordinary display, press **BAND/ESC**. ▣

## Using different entertainment displays

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

**1   Press MULTI-CONTROL to display the main menu.**

**2   Use MULTI-CONTROL to select ENTERTAINMENT.**
Turn to change the menu option. Press to select.

**3   Use MULTI-CONTROL to change the display.**
Turn to change the menu option. Press to select.
**BGV** (background visual)—**BGP-1** (background picture 1)—**BGP-2** (background picture 2)—**BGP-3** (background picture 3)—**BGP-4** (background picture 4)—**SIMPLE-1** (simple display 1)—**SIMPLE-2** (simple display 2)—**LEVEL METER** (level meter)—**VISUALIZER-1** (visualizer 1)—**VISUALIZER-2** (visualizer 2)—**SPECTRUM ANALYZER-1** (spectrum analyzer 1)—**SPECTRUM ANALYZER-2** (spectrum analyzer 2)—**MOVIE-1** (movie 1)—**MOVIE-2** (movie 2)
■  To return to the playback display, press **BAND/ESC**. ▣

# Playing songs on iPod

## Basic operation

*You can use this unit to control an interface adapter for iPod (e.g. CD-IB100Ⅱ), which is sold separately.*
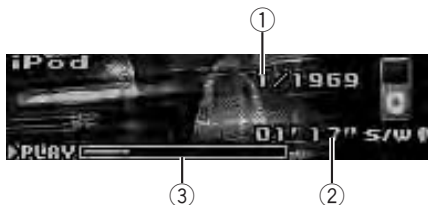


① Song number indicator
② Play time indicator
③ Song time (progress bar)

### ● Fast forward or reverse
Push and hold **MULTI-CONTROL** left or right.

### ● Select a track
Push **MULTI-CONTROL** left or right.

### 📝 Notes
- Read the precautions for iPod in the following section. Refer to page 63.
- If an error message is displayed, refer to *Error messages* on page 59.
- When the ignition switch is set to ACC or ON, the iPod's battery is charged while the iPod is connected to this unit.
- While the iPod is connected to this unit, the iPod cannot be turned on or off.
- Before connecting the dock connector of this unit to the iPod, disconnect the headphones from the iPod.
- The iPod is turned off about two minutes after the ignition switch is set to OFF.

# Displaying text information on iPod

### ● Press DISP/SCRL to select the desired text information.
Play time—🎵: artist name and 🎵 : song title —🎵: artist name and ⊘ : album name—⊘: album name and 🎵 : song title— 🎵 : song title and play time
■ If the characters recorded on the iPod are not compatible with this unit, those characters are not displayed.

### 📝 Notes
- You can scroll the text information to the left by pressing and holding **DISP/SCRL**.
- When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll* on page 36.

## Browsing for a song

The operation is the same as that of the iPod connected to USB interface of this unit. (Refer to *Browsing for a song* on page 24.)
However, the selectable categories are slightly different. Selectable categories are **Playlists** (playlists)—**Artists** (artists)—**Albums** (albums)—**Songs** (songs)—**Genres** (genres)

## Introduction to advanced operations

**1  Press MULTI-CONTROL to display the main menu.**

**2  Use MULTI-CONTROL to select FUNCTION.**
Turn to change the menu option. Press to select.

**3  Turn MULTI-CONTROL to select the function.**
**Play mode** (repeat play)—**Shuffle mode** (shuffle)—**Pause** (pause)

# Available accessories

## Function and operation

**Play mode** and **Pause** operations are basically the same as that of the built-in CD player.

| Function name | Operation |
|---|---|
| Play mode | Refer to *Selecting a repeat play range* on page 19.<br>However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the iPod are:<br>• **Repeat One** – Repeat the current song<br>• **Repeat All** – Repeat all songs in the selected list |
| Pause | Refer to *Pausing playback* on page 20. |

### Notes

- To return to the ordinary display, press **BAND/ESC**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.

## Playing songs in a random order (shuffle)

● **Press ⚆/iPod repeatedly to select the desired setting.**
- **Shuffle Songs** – Play back songs in the selected list in random order.
- **Shuffle Albums** – Play back songs from a randomly selected album in order.
- **Shuffle OFF** – Cancel random play.

### Note

You can also turn this function on in the menu that appears by using **MULTI-CONTROL**. ■

## Bluetooth Audio

*If you connect a Bluetooth adapter (e.g. CD-BTB200) to this unit, you can control Bluetooth audio players via Bluetooth wireless technology.*

- In some countries, CD-BTB200 is not sold on the market.

## Basic Operations
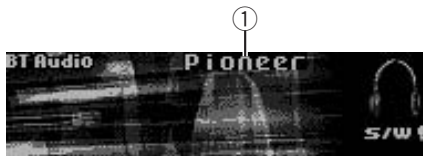


① Device name
Shows the device name of the connected Bluetooth audio player (or Bluetooth adapter).

### Important

- Depending on the Bluetooth audio player connected to this unit, the operations available with this unit are limited to the following two levels:
  — A2DP profile (Advanced Audio Distribution Profile): Only playing back songs on your audio player is possible.
  — AVRCP profile (Audio/Video Remote Control Profile): Playing back, pausing, selecting songs, etc., are possible.
- Since there are a number of Bluetooth audio players available on the market, operations with your Bluetooth audio player using this unit vary extensively. Refer to the instruction manual that came with your Bluetooth audio player as well as this manual while operating your player on this unit.
- Information about songs (e.g. the elapsed playing time, song title, song index, etc.) cannot be displayed on this unit.
- While you are listening to songs on your Bluetooth audio player, refrain from using on your cellular phone as much as possible. If you use your cellular phone, the signal from your cellular phone may cause noise on the song playback.
- When you are talking on a cellular phone connected to this unit via Bluetooth wireless technology, song playback from your Bluetooth audio player connected to this unit is muted.

• Even if you are listening to a song on your Bluetooth audio player and you switch to another source, song playback continues.

● **Fast forward or reverse**
Push and hold **MULTI-CONTROL** left or right.

● **Select a track**
Push **MULTI-CONTROL** left or right.

### Notes

• For details concerning operation, refer to the Bluetooth adapter's operation manual. This section provides brief information on Bluetooth audio player operations with this unit, which slightly differs or is abbreviated from that described in the Bluetooth adapter's operation manual.
• Even though your audio player does not contain a Bluetooth module, you can still control it from this unit via Bluetooth wireless technology. To control your audio player using this unit, connect a product featuring Bluetooth wireless technology (available on the market) to your audio player and connect the Bluetooth adapter (e.g. CD-BTB200) to this unit.

## Function and operation

**1   Press MULTI-CONTROL to display the main menu.**

**2   Use MULTI-CONTROL to select FUNCTION.**
Turn to change the menu option. Press to select.

**3   Turn MULTI-CONTROL to select the function.**
**Connection open** (connection open)—
**Disconnect audio** (disconnect audio)—**Play** (Play)—**Stop** (Stop)—**Pause** (pause)—
**Device info.** (device information)
■  **Pause** is the same as that of the built-in CD player. (Refer to *Pausing playback* on page 20.)

### Notes

• To return to the ordinary display, press **BAND/ESC**.
• If a Bluetooth audio player is not connected to this unit yet, **Connection open** and **Device info.** appear in the function menu and other functions are not available.
• If a Bluetooth audio player is connected via AVRCP (Audio/Video Remote Control Profile), **Connection open** does not appear in the function menu and the other functions are available.
• If a Bluetooth audio player is connected via A2DP (Advanced Audio Distribution Profile) , only **Disconnect audio** and **Device info.** appear in the function menu.
• If you do not operate functions other than **Connection open** and **Disconnect audio** within about 30 seconds, the display is automatically returned to the ordinary display.

## Connecting a Bluetooth audio player

**1   Use MULTI-CONTROL to select Connection open in the function menu.**
Refer to *Function and operation* on this page.

**2   Press MULTI-CONTROL to open the connection.**
**Always waiting** is displayed. This unit is now on standby for connection from Bluetooth audio player.
If your Bluetooth audio player is set ready for Bluetooth wireless connection, connection to this unit is automatically established.

### Note

Before you can use audio players you may need to enter the PIN code into this unit. If your player requires a PIN code to establish a connection, look for the code on the player or in its accompanying documentation. Refer to *Entering PIN code for Bluetooth wireless connection* on page 37.

# Available accessories

## Playing songs on a Bluetooth audio player

**1   Use MULTI-CONTROL to select Play in the function menu.**
Refer to *Function and operation* on the previous page.

**2   Press MULTI-CONTROL to start playback.**

## Stopping playback

**1   Use MULTI-CONTROL to select Stop in the function menu.**
Refer to *Function and operation* on the previous page.

**2   Press MULTI-CONTROL to stop the playback.**

## Disconnecting a Bluetooth audio player

**1   Use MULTI-CONTROL to select Disconnect audio in the function menu.**
Refer to *Function and operation* on the previous page.

**2   Press MULTI-CONTROL to disconnect the Bluetooth audio player.**
**Disconnected** is displayed. The Bluetooth audio player is now disconnected from this unit.

## Displaying BD (Bluetooth Device) address

**1   Use MULTI-CONTROL to select Device info. in the function menu.**
Refer to *Function and operation* on the previous page.

**2   Push MULTI-CONTROL left to switch to the BD address.**
12-digit hexadecimal string is displayed.
■ Pushing **MULTI-CONTROL** right returns to the device name. ▣

# Bluetooth Telephone

*If you use a Bluetooth adapter (e.g. CD-BTB200), you can connect a cellular phone featuring Bluetooth wireless technology to this unit for hands-free, wireless calls, even while driving.*
• In some countries, CD-BTB200 is not sold on the market.

## Basic Operations
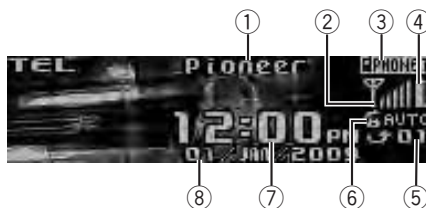


① Device name
Shows the device name of the cellular phone.
② Signal level indicator
Shows the signal strength of cellular phone.
• The level shown on the indicator may differ from the actual signal level.
③ User number indicator
Shows the registration number of the cellular phone.
④ Battery strength indicator
Shows the battery strength of cellular phone.
• The level shown on the indicator may differ from the actual battery strength.
• If the battery strength is not available, nothing is displayed in the battery strength indicator area.
⑤ Incoming call notice indication
Shows when an incoming call has been received and not checked yet.
• Incoming call notice is not displayed for calls made when your cellular phone is disconnected from this unit.
⑥ Automatic answering/Automatic rejecting indicator
Shows **AUTO** when the automatic answering function is on (for more details, refer to *Setting automatic answering* on page 51).

*Available accessories*

Shows **REJECT** when the automatic rejecting function is on (for more details, refer to *Setting automatic rejecting* on page 51).

⑦ Clock display
Shows the time (if connected with a phone).

⑧ Calendar display
Shows the day, month and year (if connected with a phone).

### Important

- Since this unit is on standby to connect with your cellular phone via Bluetooth wireless technology, using this unit without running the engine can result in battery drainage.
- Advanced operations that require your attention such as dialing numbers on the monitor, using phone book, etc., are prohibited while you are driving. When you need to use these advanced operations, stop your vehicle in a safe place.

### Notes

- The equalizer curve for the phone source is fixed.
- When selecting the phone source, you can only operate **Fader** (balance adjustment) in the audio menu.

## Setting up for hands-free phoning

Before you can use the hands-free phoning function you must set up the unit for use with your cellular phone. This entails establishing a Bluetooth wireless connection between this unit and your phone, registering your phone with this unit, and adjusting the volume level.

### 1 Connection

For detailed instructions on connecting your phone to this unit via Bluetooth wireless technology, refer to *Connecting a cellular phone* on page 46.

- Your phone should now be temporarily connected. However, to make best use of the technology, we recommend you register the phone to this unit.

### 2 Registration

To register your temporarily connected phone, refer to *Registering a connected cellular phone* on page 47.

### 3 Volume adjustment

Adjust the earpiece volume on your cellular phone for comfort. When adjusted, the volume level is recorded in this unit as the default setting.

- Caller's voice volume and ring volume may vary depending on the type of cellular phone.
- If the difference between the ring volume and caller's voice volume is big, overall volume level may become unstable.
- Before disconnecting the cellular phone from this unit, make sure to adjust the volume to a proper level. If the volume is muted (zero level) on your cellular phone, the volume level of your cellular phone remains muted even after the cellular phone is disconnected.

## Making a phone call

### Voice recognition

### 1 Press BAND/ESC and hold until Voice dial appears in the display.

**Voice dial** appears in the display. When **Voice dial ON** is displayed, voice recognition function is now ready.

- If your cellular phone does not feature voice recognition function, **No voice dial** appears in the display and operation is not possible.

### 2 Pronounce the name of your contact.

# Available accessories

## Taking a phone call

### Answering or rejecting an incoming call

● **Answering an incoming call**
When a call comes in, press
**MULTI-CONTROL**.
■ You can also perform this operation by pushing **MULTI-CONTROL** up.

● **End a call**
Push **MULTI-CONTROL** down.

● **Rejecting an incoming call**
When a call comes in, push **MULTI-CONTROL** down.

### 📝 Notes

- If private mode is selected on the cellular phone, hands-free phoning may not be performed.
- The estimated call time appears in the display (this may differ slightly from the actual call time).

## Operating a call waiting

● **Answering a call waiting**
When a call comes in, press
**MULTI-CONTROL**.
■ You can also perform this operation by pushing **MULTI-CONTROL** up.

● **End all calls**
Push **MULTI-CONTROL** down.

● **Switch between callers on hold**
Press **MULTI-CONTROL**.
■ You can also perform this operation by pushing **MULTI-CONTROL** up.

● **Rejecting call waiting**
Push **MULTI-CONTROL** down.

### 📝 Notes

- Pushing **MULTI-CONTROL** down ends all calls including calls waiting on line.
- To end the call, both you and your caller need to hang up the phone.

## Function and operation

**1 Press MULTI-CONTROL to display the main menu.**

**2 Use MULTI-CONTROL to select FUNCTION.**
Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select the function.**
**Search & Connect** (search and connect)—
**Connection open** (connection open)—
**Disconnect phone** (disconnect phone)—
**Connect phone** (connect phone)—**Set phone** (registering phone)—**Delete phone** (delete phone)—**PH.B.Transfer** (phone book transfer) —**PH.B.Name view** (phone book name view) —**Clear memory** (clear memory)—
**Number dial** (call by entering number)—
**Refuse calls** (automatic reject setting)—
**Auto answer** (automatic answer setting)—
**Ring tone** (ring tone select)—**Auto connect** (automatic connection setting)—**Echo cancel** (echo cancel)—**Device info.** (device information)

**If not connected yet**
The following functions cannot be operated.
- **Disconnect phone** (disconnect phone)
- **Set phone** (registering phone)
- **Clear memory** (clear memory)
- **PH.B.Name view** (phone book name view)
- **Number dial** (call by entering number)

**If connected but not registered yet**
The following functions cannot be operated.
- **Search & Connect** (search and connect)
- **Connection open** (connection open)
- **Connect phone** (connect phone)
- **PH.B.Name view** (phone book name view)
- **Clear memory** (clear memory)

**If already connected and registered**
The following functions cannot be operated.
- **Search & Connect** (search and connect)
- **Connection open** (connection open)
- **Connect phone** (connect phone)
- **Set phone** (registering phone)

**Available accessories**

### Notes

- To return to the playback display, press **BAND/ESC**.
- **Device info.** is the same as that of the Blue-tooth audio. (Refer to *Displaying BD (Bluetooth Device) address* on page 43.)
- **PH.B.Name view** (phone book name view) cannot be selected for cellular phone registered guest phone.
- If cellular phone is connected to this unit via Bluetooth wireless technology with HSP (Head Set Profile), **PH.B.Name view**, **Clear memory**, **Number dial** and **Refuse calls** cannot be selected.
- If you do not operate functions other than **Search & Connect**, **Connection open**, **Connect phone**, **PH.B.Transfer**, **Disconnect phone**, **Number dial** and **Clear memory** within about 30 seconds, the display automatically returns to the ordinary display.

## Connecting a cellular phone

### Searching for available cellular phones

**1 Use MULTI-CONTROL to select Search & Connect in the function menu.**
Refer to *Function and operation* on the previous page.

**2 Press MULTI-CONTROL to search for available cellular phones.**
While searching, **Searching** flashes. When available cellular phones featuring Bluetooth wireless technology are found, device name or **Name not found** (if names cannot be obtained) is displayed.
■ If this unit fails to find any available cellular phones, **Not found** is displayed.

**3 Push MULTI-CONTROL up or down to select a device name you want to connect.**

**4 Press MULTI-CONTROL to connect the selected cellular phone.**
While connecting, **Connecting** flashes. To complete the connection, check the device

name (**Pioneer BT Unit**) and enter the link code on your cellular phone. If the connection is established, **Connected** is displayed.
■ PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 37.

### Using a cellular phone to initiate a connection

**1 Use MULTI-CONTROL to select Connection open in the function menu.**
Refer to *Function and operation* on the previous page.

**2 Press MULTI-CONTROL to open the connection.**
**Always waiting** flashes and the unit is now on standby for connection from a cellular phone.

**3 Use cellular phone to connect to this unit.**
■ PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 37.

## Disconnecting a cellular phone

**1 Use MULTI-CONTROL to select Disconnect phone in the function menu.**
Refer to *Function and operation* on the previous page.
Device name of the connected phone appears in the display.

**2 Press MULTI-CONTROL to disconnect a cellular phone from this unit.**
After disconnection is completed, **Disconnected** is displayed.

# Available accessories

## Registering a connected cellular phone

**1   Use MULTI-CONTROL to select
Set phone in the function menu.**
Refer to *Function and operation* on page 45.

**2   Push MULTI-CONTROL up or down to
select a pairing assignment.**
**P1** (user phone 1)—**P2** (user phone 2)—**P3**
(user phone 3)—**G1** (guest phone 1)—**G2**
(guest phone 2)

■  As you select each assignment, you can see
whether or not a phone is already registered. If
the assignment is empty, **No data** is displayed. If
the assignment is already taken, the device name
appears. To replace an assignment with a new
phone, first delete the current assignment. For
more detailed instructions, see *Deleting a regis-
tered phone* on this page.

**3   Press MULTI-CONTROL to register the
currently connected phone.**
When registration is completed,
**Reg.Completed** is displayed.

■  If the registration fails, **Reg.ERROR** is dis-
played. In this case, return to step 1 and try
again.

## Deleting a registered phone

**1   Use MULTI-CONTROL to select
Delete phone in the function menu.**
Refer to *Function and operation* on page 45.

**2   Push MULTI-CONTROL up or down to
select a pairing assignment.**
**P1** (user phone 1)—**P2** (user phone 2)—**P3**
(user phone 3)—**G1** (guest phone 1)—**G2**
(guest phone 2)

■  If the assignment is empty, **No data** is dis-
played and operation is not possible.

**3   Push MULTI-CONTROL right to select
Delete YES.**
**Delete YES** is displayed. Deleting phone is
now on standby.

**4   Press MULTI-CONTROL to delete the
phone.**
After the phone is deleted, **Deleted** is dis-
played.

## Connecting to a registered cellular phone

### Connecting to a registered phone manually

**1   Use MULTI-CONTROL to select
Connect phone in the function menu.**
Refer to *Function and operation* on page 45.

**2   Push MULTI-CONTROL up or down to
select a pairing assignment.**
**P1** (user phone 1)—**P2** (user phone 2)—**P3**
(user phone 3)—**G1** (guest phone 1)—**G2**
(guest phone 2)

■  If the assignment is empty, **No data** is dis-
played and operation is not possible.

**3   Press MULTI-CONTROL to connect the
selected cellular phone.**
While connecting, **Connecting** is displayed.
After the connection is completed, **Connected**
is displayed.

### Connecting to a registered phone automatically

**1   Use MULTI-CONTROL to select
Auto connect in the function menu.**
Refer to *Function and operation* on page 45.

**2   Press MULTI-CONTROL to turn auto-
matic connection on.**
If your cellular phone is ready for Bluetooth
wireless connection, connection to this unit is
automatically established.

■  To turn automatic connection off, press
**MULTI-CONTROL** again.

**Available accessories**

# Available accessories

## Using the phone book

### Transferring entries to the phone book

The Phone Book can hold a total of 500 entries. 300 from User 1, 150 from User 2, and 50 from User 3.

**1 Use MULTI-CONTROL to select PH.B.Transfer in the function menu.**
Refer to *Function and operation* on page 45.

**2 Press MULTI-CONTROL to enter the phone book transfer standby mode.**
**Transfer YES** appears in the display.

**3 Press MULTI-CONTROL to show the confirmation display.**
**Transfer -/-** appears in the display.

**4 Use the cellular phone to perform phone book transfer.**
Perform phone book transfer using the cellular phone. For detailed instructions, refer to the instruction manual that came with your cellular phone.
■ The display indicates how many entries have been transferred and the total number to be transferred.

**5 Data transferred is displayed and phone book transfer is completed.**

### Changing the phone book display order

**1 Use MULTI-CONTROL to select PH.B.Name view in the function menu.**
Refer to *Function and operation* on page 45.
**Invert names YES** appears in the display.

**2 Press MULTI-CONTROL to change the name view order.**
**Inverted** is displayed and the name view order is changed.
Pressing **MULTI-CONTROL** repeatedly changes the name view order between first and last name.

## Calling a number in the phone book

### ⊘ Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

After finding the number you want to call in the phone book, you can select the entry and make the call.

**1 Press LIST to display the phone book.**

**2 Push MULTI-CONTROL left or right to select the first letter of the name you are looking for.**

**3 Press MULTI-CONTROL to display entries.**
The display shows the first three Phone Book entries starting with that letter (e.g. "Ben", "Brian" and "Burt" when "B" is selected).

**4 Push MULTI-CONTROL up or down to select a Phone Book entry you want to call.**
■ You can scroll literal information by pressing and holding **DISP/SCRL**. To stop scrolling, press **DISP/SCRL**.

**5 Push MULTI-CONTROL right to display the detailed list of the selected entry.**
The phone number, name and genre (if assigned) of entries are displayed in the detailed list.
■ You can scroll literal information by pressing and holding **DISP/SCRL**. To stop scrolling, press **DISP/SCRL**.
■ If several phone numbers are included in an entry, select one by turning **MULTI-CONTROL**.
■ If you want to go back and select another entry, push **MULTI-CONTROL** left.

**6 Press MULTI-CONTROL to make a call.**

**7 To end the call, push MULTI-CONTROL down.**

# Available accessories

## Editing the name of a Phone Book entry

### ✪ Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

You can edit the names of Phone Book entries. Each name can be up to 16 characters long.

**1   Display the detailed list of your desired Phone Book entry.**
Please see Steps 1 to 5 of the following section for how to do this. Refer to *Calling a number in the phone book* on the previous page.

**2   Press and hold MULTI-CONTROL to display the name input screen.**
**Edit name** is displayed.

**3   Press DISP/SCRL to select the desired character type.**
Each press of **DISP/SCRL** switches the character types in the following order:
Alphabet (upper case), numbers and symbols
—alphabet (lower case)—numbers and symbols—European characters, such as those with accents (e.g., **á**, **à**, **ä**, **ç**) or Russian characters
■  Pressing and holding **DISP/SCRL** enables you to switch character set between ISO8859-1 (European characters) and ISO8859-5 (Russian characters) alternately.
■  European characters and Russian characters can't be mixed.

**4   Push MULTI-CONTROL up or down to select a letter.**
■  To delete a character and leave a space, select "_" (underbar).

**5   Push MULTI-CONTROL left or right to move the cursor to the previous or next character position.**

**6   Press MULTI-CONTROL to store the new name.**

## Editing phone numbers

### ✪ Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

You can edit the numbers of Phone Book entries. Each phone number can be up to 24 digits long.

**1   Display the detailed list of your desired Phone Book entry.**
Please see Steps 1 to 5 of the following section for how to do this. Refer to *Calling a number in the phone book* on the previous page.

**2   Press and hold MULTI-CONTROL to display the name input screen.**
**Edit name** is displayed.

**3   Turn MULTI-CONTROL to switch to the number input screen.**
**Edit name** (name input screen)—
**Edit number** (number input screen)—
**Clear memory** (clear memory screen)

**4   Push MULTI-CONTROL left or right to move the cursor to the number you want to change.**

**5   Push MULTI-CONTROL up or down to change numbers.**
Repeat these steps until you have finished changing.

**6   Press MULTI-CONTROL to store the new number.**

## Clearing a phone book entry

### ✪ Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

**Available accessories**

**1   Display the detailed list of your desired Phone Book entry.**
Please see Steps 1 to 5 of the following section for how to do this. Refer to *Calling a number in the phone book* on page 48.

**2   Press and hold MULTI-CONTROL to display the name input screen.**
**Edit name** is displayed.

**3   Turn MULTI-CONTROL to switch to the clear memory screen.**
**Edit name** (name input screen)—
**Edit number** (number input screen)—
**Clear memory** (clear memory screen)

**4   Push MULTI-CONTROL right to show a confirmation display.**
**Clear memory YES** is displayed.
▪  If you do not want to clear the memory that you have selected, push **MULTI-CONTROL** left. The display reverts to normal.

**5   Press MULTI-CONTROL to delete the Phone Book entry.**
**Cleared** is displayed.
The Phone Book entry is deleted. The display returns to Phone Book entry list.

## Using the call history

### Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

The 12 most recent calls made (dialled), received and missed, are stored in the call history. You can browse the call history and call numbers from it.

**1   Press LIST to display the list.**
Press **LIST** repeatedly to switch between the following lists:
Phone book—Missed call—Dialled call—Received call
▪  For more details about the Phone Book list, refer to *Using the phone book* on page 48.

▪  If no phone numbers are stored in the selected list, **No data** is displayed.

**2   Turn MULTI-CONTROL to select a phone number.**
Turning **MULTI-CONTROL** to change the phone numbers stored in the list.
▪  If the phone number is already in the phone book, the corresponding name is displayed.
▪  You can also change the phone number by pushing **MULTI-CONTROL** up or down.

**3   Push MULTI-CONTROL right to display the detailed list.**
Name and phone number are displayed in the detailed list.
▪  If the number is already in the Phone Book then the name is also displayed.
▪  Turning **MULTI-CONTROL** switches to the previous or next phone number displayed in the detailed list.
▪  If you do not operate anything within about 30 seconds, the list display is canceled automatically.

**4   Press MULTI-CONTROL to make a call.**
▪  For an international call, press and hold **MULTI-CONTROL** to add **+** to the phone number.

**5   To end the call, push MULTI-CONTROL down.**

## Making a call by entering phone number

### Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

**1   Use MULTI-CONTROL to select Number dial in the function menu.**
Refer to *Function and operation* on page 45.

**2   Push MULTI-CONTROL up or down to select a number.**

# Available accessories

**3   Push MULTI-CONTROL left or right to move the cursor to the previous or next position.**
- Up to 24 digits can be entered.

**4   When you finish entering the number, press MULTI-CONTROL.**
Call confirmation appears.

**5   Press MULTI-CONTROL again to make a call.**

**6   To end the call, push MULTI-CONTROL down.**

## Clearing memory

**1   Use MULTI-CONTROL to select Clear memory in the function menu.**
Refer to *Function and operation* on page 45.

**2   Push MULTI-CONTROL up or down to select an item.**
Each time **MULTI-CONTROL** is pushed up or down, the items are switched in the following order:
**Phone book** (phone book)—**Missed calls** (missed call history)—**Dialed  calls** (dialled call history)—**Received calls** (received call history)—**Dial preset** (preset phone numbers)—**All clear** (delete all memory)
- If you want to clear all the Phone Book, dialled/received/missed call history list and preset phone number, select **All clear**.
- If guest phone is connected to this unit via Bluetooth wireless technology, **Phone book** cannot be selected.

**3   Push MULTI-CONTROL right to determine the item that you want to delete from this unit.**
**Clear memory YES** is displayed. Clearing memory is now on standby.
- If you do not want to clear the memory that you have selected, push **MULTI-CONTROL** left. The display reverts to normal.

**4   Press MULTI-CONTROL to clear the memory.**
**Cleared** is displayed and data on the selected item is cleared from this unit's memory.

## Setting automatic rejecting

**1   Use MULTI-CONTROL to select Refuse calls in the function menu.**
Refer to *Function and operation* on page 45.

**2   Press MULTI-CONTROL to turn automatic call rejection on.**
- To turn automatic call rejection off, press **MULTI-CONTROL** again.

## Setting automatic answering

**1   Use MULTI-CONTROL to select Auto answer in the function menu.**
Refer to *Function and operation* on page 45.

**2   Press MULTI-CONTROL to turn automatic answering on.**
- To turn automatic answering function off, press **MULTI-CONTROL** again.

## Switching the ring tone

**1   Use MULTI-CONTROL to select Ring tone in the function menu.**
Refer to *Function and operation* on page 45.

**2   Press MULTI-CONTROL to turn the ring tone on.**
- To turn the ring tone off, press **MULTI-CONTROL** again.

## Echo canceling and noise reduction

**1   Use MULTI-CONTROL to select Echo cancel in the function menu.**
Refer to *Function and operation* on page 45.

**Available accessories**

**2 Press MULTI-CONTROL to turn echo can-
celing on.**
- To turn echo canceling off, press
**MULTI-CONTROL** again. ◼

# Multi-CD Player

## Basic Operations

*You can use this unit to control a multi-CD
player, which is sold separately.*
- *Only functions described in this section can
be operated.*
- *Only functions described in this manual are
supported by 50-disc multi-CD players.*
- *This unit is not designed to operate disc title
list functions with a 50-disc multi-CD player.
For information about the disc title list func-
tions, refer to Selecting discs from the disc
title list on page 55.*



① Disc number indicator
② Track number indicator
③ Play time indicator

● **Select a disc**
Push **MULTI-CONTROL** up or down.

● **Fast forward or reverse**
Push and hold **MULTI-CONTROL** left or right.

● **Select a track**
Push **MULTI-CONTROL** left or right.

### 📝 Notes

- When multi-CD player completes preparatory
operations, **READY** is displayed.

- If an error message such as **ERROR-11** is dis-
played, refer to the multi-CD player owner's
manual.
- If there are no discs in the multi-CD player ma-
gazine, **NO DISC** is displayed.

## Using CD TEXT functions

*You can use these functions only with a CD
TEXT compatible multi-CD player.*
The operation is the same as that of the built-
in CD player.
Refer to *Displaying text information on disc* on
page 17.

## Introduction to advanced
operations

*You can only use* **Compression** *(compression
and DBE) with a multi-CD player that supports
them.*

**1 Press MULTI-CONTROL to display the
main menu.**

**2 Use MULTI-CONTROL to select
FUNCTION.**
Turn to change the menu option. Press to se-
lect.

**3 Turn MULTI-CONTROL to select the
function.**
**Play mode** (repeat play)—**Random mode**
(random play)—**Scan mode** (scan play)—
**Pause** (pause)—**Compression** (compression
and DBE)—**ITS play mode** (ITS play)—
**ITS memo** (ITS programming)—
**TitleInput "A"** (disc title input)
- If you do not operate functions other than
**ITS memo** and **TitleInput "A"** within about 30
seconds, the display automatically returns to the
ordinary display.
- When playing a CD TEXT disc on a CD TEXT
compatible multi-CD player, you cannot switch to
**TitleInput "A"**. The disc title is already recorded
on the CD TEXT disc.

# Available accessories

## Function and operation

**Play mode**, **Random mode**, **Scan mode**, **Pause** and **TitleInput "A"** operations are basically the same as that of the built-in CD player.

| Function name | Operation |
|---|---|
| Play mode | Refer to *Selecting a repeat play range* on page 19.<br>However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the multi-CD player are:<br>• **M-CD repeat** – Repeat all discs in the multi-CD player<br>• **Track repeat** – Repeat just the current track<br>• **Disc repeat** – Repeat the current disc |
| Random mode | Refer to *Playing tracks in random order* on page 19. |
| Scan mode | Refer to *Scanning folders and tracks* on page 19. |
| Pause | Refer to *Pausing playback* on page 20. |
| TitleInput "A" | Refer to *Entering disc titles* on page 20. |

### 🖉 Notes

- To return to the playback display, press **BAND/ESC**.
- If you select other discs during repeat play, the repeat play range changes to **M-CD repeat**.
- If you perform track search or fast forward/reverse during **Track repeat**, the repeat play range changes to **Disc repeat**.
- After track or disc scanning is finished, normal playback of the tracks begins again.

## Using compression and bass emphasis

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

COMP (compression) and DBE (dynamic bass emphasis) functions lets you adjust the sound playback quality of the multi-CD player.

**1   Use MULTI-CONTROL to select Compression in the function menu.**
Refer to *Introduction to advanced operations* on the previous page.
■   If the multi-CD player does not support COMP/DBE, **NO COMP** is displayed when you attempt to select it.

**2   Press MULTI-CONTROL to select your favorite setting.**
COMP OFF—COMP 1—COMP 2—
COMP OFF—DBE 1—DBE 2

## Using ITS playlists

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

### Creating a playlist with ITS programming

**1   Play a CD that you want to program.**
Push **MULTI-CONTROL** up or down to select the CD.

**2   Use MULTI-CONTROL to select ITS memo in the function menu.**
Refer to *Introduction to advanced operations* on the previous page.

**3   Select the desired track by pushing MULTI-CONTROL left or right.**

**4 Push MULTI-CONTROL up to store the
currently playing track in the playlist.**
**Memory complete** is displayed and the cur-
rently playing selection is added to your play-
list.

**5 Press BAND/ESC to return to the play-
back display.**

### 📝 Note

After data for 100 discs is 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 begin to play.

**1 Select the repeat range.**
Refer to *Playing tracks in random order* on
page 19.

**2 Use MULTI-CONTROL to select
ITS play mode in the function menu.**
Refer to *Introduction to advanced operations*
on page 52.

**3 Press MULTI-CONTROL to turn ITS play
on.**
**ITS play** appears in the display. Playback be-
gins of those tracks from your playlist within
the previously selected **M-CD repeat** or
**Disc repeat** ranges.
■ If no tracks in the current range are pro-
grammed for ITS play, then **ITS empty** is dis-
played.
■ To turn ITS play off, press **MULTI-CONTROL**
again.

## Erasing a track from your ITS playlist

You can delete a track from your ITS playlist if
ITS play is on.
If ITS play is already on, skip to step 2. If ITS
play is off, use **MULTI-CONTROL**.

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

**2 Use MULTI-CONTROL to select
ITS memo in the function menu.**
Refer to *Introduction to advanced operations*
on page 52.

**3 Select the desired track by pushing
MULTI-CONTROL left or right.**

**4 Push MULTI-CONTROL down to erase
the track from your ITS playlist.**
The currently playing selection is erased from
your ITS playlist and playback of the next track
begins.
■ If there are no tracks from your playlist in the
current range, **ITS empty** is displayed and nor-
mal playback resumes.

**5 Press BAND/ESC to return to the play-
back display.**

## Erasing a CD from your ITS playlist

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

**1 Play the CD that you want to delete.**
Push **MULTI-CONTROL** up or down to select
the CD.

**2 Use MULTI-CONTROL to select
ITS memo in the function menu.**
Refer to *Introduction to advanced operations*
on page 52.

**3 Push MULTI-CONTROL down to erase
all tracks on the currently playing CD from
your ITS playlist.**
All tracks on the currently playing CD are de-
leted from your playlist and **Memory deleted**
is displayed.

**4 Press BAND/ESC to return to the play-
back display.**

# Available accessories

## Using disc title functions

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

### Entering disc titles

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

For details concerning operation, refer to *Entering disc titles* on page 20.

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

### Displaying disc titles

● **Press DISP/SCRL to select the desired text information.**
  • **For title entered CD**
    Play time—⊘: disc title and play time
  • **For CD TEXT discs**
    Play time—📀: disc artist name and 🎵 : track title—📀: disc artist name and ⊘ : disc title—⊘ : disc title and 🎵 : track title —🎤: track artist name and 🎵 : track title —🎵 : track title and play time

### Selecting discs from the disc title list

Disc title list lets you see the list of disc titles entered in the multi-CD player and select one of them to play back.

**1  Press LIST to switch to the disc title list mode during the playback display.**

**2  Use MULTI-CONTROL to select the desired disc title.**
Turn to change the disc title. Press to play.
■ You can also change the disc title by pushing **MULTI-CONTROL** up or down.

■ When playing CD TEXT disc, push **MULTI-CONTROL** right to see a list of the tracks in the selected disc. Push **MULTI-CONTROL** left to return to the disc list.
■ If no title is entered for a disc, **NO TITLE** is displayed.
■ **NO DISC** is displayed next to the disc number when there is no disc in the magazine.
■ You can scroll to the left of the title by pressing and holding **DISP/SCRL**. To stop scrolling, press **DISP/SCRL**.
■ If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display. ▣

**Available accessories**

# DVD Player

## Basic Operations

*You can use this unit to control a DVD player or multi-DVD player, which is sold separately.*
For details concerning operation, refer to the DVD player's or multi-DVD player's operation manual. This section provides information on DVD operations with this unit which differs from that described in the DVD player's or multi-DVD player's operation manual.
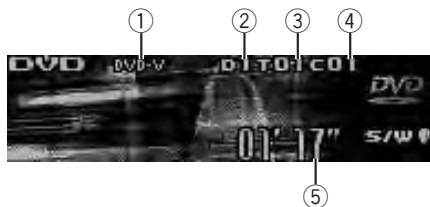


① **DVD-V/VCD/CD/MP3/WMA** indicator
   Shows the type of disc currently playing.
② Disc number indicator
   Shows the number of the disc currently playing when using a multi-DVD player.
③ Title/Folder number indicator
   Shows the title (when playing DVD video) or folder (when playing compressed audio) of the selection currently playing.
④ Chapter/track number indicator
   Shows the chapter (when playing DVD video) or track (when playing Video CD, CD or compressed audio) currently playing.
⑤ Play time indicator

● **Select a chapter/track**
Push **MULTI-CONTROL** left or right.

● **Fast forward or reverse**
Push and hold **MULTI-CONTROL** left or right.
■ When playing compressed audio, there is no sound on fast forward or reverse.

● **To skip back or forward to another chapter/track, push MULTI-CONTROL left or right.**

● **Select a disc**
Push **MULTI-CONTROL** up or down.
■ You can operate this function only when a multi-DVD player is connected to this unit.

● **Select a folder**
Push **MULTI-CONTROL** up or down.
■ You can operate this function only when a DVD player compatible with compressed audio playback is connected to this unit.
■ You cannot select a folder that does not have a compressed audio file recorded in it.

## Introduction to advanced operations

**1   Press MULTI-CONTROL to display the main menu.**

**2   Use MULTI-CONTROL to select FUNCTION.**
Turn to change the menu option. Press to select.

**3   Turn MULTI-CONTROL to select the function.**
**During DVD video or Video CD playback**
**Play mode** (repeat play)—**Pause** (pause)
**During CD playback**
**Play mode** (repeat play)—**Random mode** (random play)—**Scan mode** (scan play)—**Pause** (pause)—**ITS play mode** (ITS play)—**ITS memo** (ITS input)—**TitleInput "A"** (disc title input)
**During compressed audio playback**
**Play mode** (repeat play)—**Random mode** (random play)—**Scan mode** (scan play)—**Pause** (pause)
■ To return to the playback display, press **BAND/ESC**.
■ If you do not operate functions except for **ITS memo** and **TitleInput "A"** within about 30 seconds, the display is automatically returned to the ordinary display.

# Available accessories

## Function and operation

**Play mode**, **Random mode**, **Scan mode**, **Pause** and **TitleInput "A"** operations are basically the same as that of the built-in CD player. Also, **ITS play mode** and **ITS memo** operations are basically the same as that the multi-CD player.

| Function name | Operation |
|---|---|
| **Play mode** | Refer to *Selecting a repeat play range* on page 19.<br>But the repeat play range that you can select is vary depending on the type of disc or system. The repeat play ranges of the DVD player/multi-DVD player are as below:<br>During PBC playback of Video CDs, this function cannot be operated.<br>• **Disc repeat** – Repeat the current disc<br>• **Folder repeat** – Repeat the current folder<br>• **Title repeat** – Repeat just the current title<br>• **Chapter repeat** – Repeat just the current chapter<br>• **Track repeat** – Repeat the current track |
| **Random mode** | Refer to *Playing tracks in random order* on page 19. |
| **Scan mode** | Refer to *Scanning folders and tracks* on page 19. |
| **Pause** | Refer to *Pausing playback* on page 20. |
| **ITS play mode** | Refer to *Using ITS playlists* on page 53. |
| **ITS memo** | Refer to *Using ITS playlists* on page 53. |
| **TitleInput "A"** | Refer to *Entering disc titles* on page 20. |

### Notes

- If you select other discs during repeat play, the repeat play range changes to **Disc repeat**.
- When playing back Video CD or CD, if you perform track search or fast forward/reverse during **Track repeat**, the repeat play range changes to **Disc repeat**.
- When playing back compressed audio, if you select another folder during repeat play, the repeat play range changes to **Disc repeat**.
- When playing back compressed audio, if you perform track search or fast forward/reverse during **Track repeat**, the repeat play range changes to **Folder repeat**.
- Multi-DVD player that has ITS functions and disc title functions can also be connected to this unit. In this case, **ITS play mode**, **ITS memo** and disc title input can be controlled.
- The ITS function of a DVD player differs slightly from ITS playback with a multi-CD player. With multi-DVD player, ITS playback applies only to the CD playing. For details, refer to *Using ITS playlists* on page 53. ∎

# TV tuner
## Basic Operations

*You can use this unit to control a TV tuner, which is sold separately.*

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



① Band indicator
② Preset number indicator
③ Channel indicator

● **Select a band**
Press **BAND/ESC**.

● **Select a channel (step by step)**
Push **MULTI-CONTROL** left or right.

● **Seek tuning**
Push and hold **MULTI-CONTROL** left or right, and then release.

## 📝 Notes

• Band can be selected from **TV-1** or **TV-2**.
• You can cancel seek tuning by pushing **MULTI-CONTROL** left or right.
• While pushing and holding **MULTI-CONTROL** left or right, you can skip stations. Seek tuning starts as soon as you release **MULTI-CONTROL**.

## Storing and recalling broadcast stations

You can easily store up to 12 broadcast stations for later recall.
• 12 stations for each band can be stored in memory.

**1    Press LIST.**
Preset screen is displayed.

**2    Use MULTI-CONTROL to store the selected station in memory.**
Turn to change the preset number. Press and hold to store.

**3    Use MULTI-CONTROL to select the desired station.**
Turn to change the station. Press to select.
■ You can also change the station by pushing **MULTI-CONTROL** up or down.
■ If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.
■ You can also recall stations assigned to preset tuning numbers by pushing **MULTI-CONTROL** up or down during the channel display.

## Storing the strongest broadcast stations sequentially

**1    Press MULTI-CONTROL to display the main menu.**

**2    Use MULTI-CONTROL and select FUNCTION to display BSSM.**

**3    Press MULTI-CONTROL to turn BSSM on.**
**Searching** begins to flash. While **Searching** is flashing, the 12 strongest broadcast stations are stored in order from the lowest channel up. When finished, the preset channel list appears.
■ To cancel the storage process, press **MULTI-CONTROL** again.

**4    Use MULTI-CONTROL to select the desired station.**
Turn to change the station. Press to select.
■ You can also change the station by pushing **MULTI-CONTROL** up or down.
■ To return to the ordinary display, press **BAND/ESC**.
■ If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display. ■

# Additional Information

## Error messages

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

### Built-in CD Player

| Message | Cause | Action |
|---|---|---|
| ERROR-11, 12, 17, 30 | Dirty disc | Clean disc. |
| | Scratched disc | Replace disc. |
| ERROR-10, 11, 12, 15, 17, 30, A0 | Electrical or mechanical | Turn the ignition switch OFF and back ON, or switch to a different source, then back to the CD player. |
| ERROR-15 | The inserted disc does not contain any data | Replace disc. |
| ERROR-22, 23 | The CD format cannot be played back | Replace disc. |
| NO AUDIO | The inserted disc does not contain any files that can be played back | Replace disc. |
| TRK SKIPPED | The inserted disc contains WMA files that are protected by DRM | Replace disc. |
| PROTECT | All the files on the inserted disc are secured by DRM | Replace disc. |

### USB storage device

| Message | Cause | Action |
|---|---|---|
| NO AUDIO | No songs | Transfer the audio files to the external storage device and connect. |
| | USB storage device with security enabled is connected | Follow the USB storage device instructions to disable the security. |
| NO DEVICE | The USB storage device or iPod is not connected to the USB port of this unit. | Connect a compatible USB storage device. |

| Message | Cause | Action |
|---|---|---|
| TRK SKIPPED | The connected USB storage device contains WMA files that are protected by Windows Media™ DRM 9/10 | Play an audio file not protected by Windows Media DRM 9/10. |
| PROTECT | All the files in the USB storage device are protected by Windows Media DRM 9/10 | Transfer audio files not protected by Windows Media DRM 9/10 to the USB storage device and connect. |
| NOT COMPATIBLE | The USB storage device connected to is not supported by this unit. | Connect a USB storage device that is USB Mass Storage Class compliant. |
| CHECK USB | The USB connector or USB cable is short-circuited. | Confirm that the USB connector or USB cable is not caught in something or damaged. |
| | The connected USB storage device consumes more than 500 mA (maximum allowable current). | Disconnect the USB storage device and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect the compliant USB storage device. |
| ERROR-19 | Communication failure | Perform one of the following operations. –Turn the ignition switch OFF and back ON. –Disconnect or eject the USB storage device. –Change to a different source. Then, return to the USB source. |
| ERROR-23 | USB storage device is not formatted with FAT16 or FAT32 | USB storage device should be formatted with FAT16 or FAT32. |

Additional Information

# Additional Information

## iPod

| Message | Cause | Action |
|---------|-------|--------|
| **ERROR-19** | Communication failure | Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod. |
| | iPod failure | Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod. |
| **ERROR-16, 18** | Old version of iPod | Update the iPod version. |
| | iPod failure | Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod. |
| **ERROR-A1 CHECK USB** | iPod is not charged but operates correctly | Check if the connection cable for iPod shorted out (e.g., not caught in metal objects). After checking, turn the ignition switch OFF and back ON or disconnect the iPod and connect again. |
| **NO SONGS** | No songs | Transfer the songs to iPod. |
| **STOP** | No songs in the current list | Select a list that contains the songs. |
| **NO DEVICE** | The USB storage device or iPod is not connected to the USB port of this unit. | Connect a compatible iPod. |

■

# Handling guideline of discs and player

• Use only discs featuring either of following two logos.



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



• Use 12-cm or 8-cm CD. Do not use an adapter when playing 8-cm CDs.
• Do not insert anything other than a CD into the CD loading slot.
• Do not use cracked, chipped, warped, or otherwise damaged discs as they may damage the player.
• Unfinalized CD-R/CD-RW disc playback is not possible.
• Do not touch the recorded surface of the discs.
• Store discs in their cases when not in use.
• Avoid leaving discs in excessively hot environments including under direct sunlight.
• Do not attach labels, write on or apply chemicals to the surface of the discs.
• To clean a CD, wipe the disc with a soft cloth outward from the center.
• Condensation may temporarily impair the player's performance. Leave it to adjust to the warmer temperature for about one hour. Also, wipe any dump discs with a soft cloth.
• Playback of discs may not be possible because of disc characteristics, disc format, recorded application, playback environment, storage conditions, and so on.

# Additional Information

- Text information may not be correctly displayed depending on the recorded environment.
- Road shocks may interrupt disc playback.
- Read the precautions for discs before using them. ◾

## Dual Discs

- Dual Discs are two-sided discs that have a recordable CD for audio on one side and a recordable DVD for video on the other.
- Since the CD side of Dual Discs is not physically compatible with the general CD standard, it may not be possible to play the CD side with this unit.
- Frequent loading and ejecting of a Dual Disc may result in scratches on the disc. Serious scratches can lead to playback problems on this unit. In some cases, a Dual Disc may become stuck in the disc loading slot and will not eject. To prevent this, we recommend you refrain from using Dual Disc with this unit.
- Please refer to the information from the disc manufacturer for more detailed information about Dual Discs. ◾

## Handling guideline of USB storage device and this unit

- This unit can play back files in the USB portable audio player/USB memory that is USB Mass Storage Class.
- Optimum performance of this unit may not be obtained depending on the connected USB storage device.
- Do not leave the USB storage device in any place with high temperatures.
- Depending on the kind of USB storage device you use, this unit may not recognize the storage device or file may not be played back properly.
- Operations may vary depending on the kind of a USB storage device.

- You cannot connect a USB storage device to this unit via a USB hub.
- Do not plug anything other than the USB storage device into the USB port.
- Firmly secure the USB storage device when driving. Do not let the USB storage device fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- Partitioned USB storage device is not compatible with this unit.
- Depending on the USB storage device connected to this unit, it may generate noise in the radio. ◾

## Compressed audio compatibility (disc, USB)

### WMA
- Compatible format: WMA encoded by Windows Media Player
- File extension: .wma
- Bit rate: 48 kbps to 320 kbps (CBR), 48 kbps to 384 kbps (VBR)
- Sampling frequency: 32 kHz to 48 kHz
- Windows Media Audio 9 Professional, Lossless, Voice: No

### MP3
- File extension: .mp3
- Bit rate: 8 kbps to 320 kbps (CBR, VBR)
- Sampling frequency: 16 kHz to 48 kHz (32, 44.1, 48 kHz for emphasis)
- Compatible ID3 tag version: 1.0, 1.1, 2.2, 2.3, 2.4 (ID3 tag Version 2.x is given priority than Version 1.x.)
- M3u playlist: No
- MP3i (MP3 interactive), mp3 PRO: No

### AAC
- Compatible format: AAC encoded by iTunes
- File extension: .m4a
- Transmission rate: 16 kbps to 320 kbps (CBR)
- Sampling frequency: 11.025 kHz to 48 kHz
- Apple Lossless: No

## Additional Information

**WAV**
- Compatible format: Linear PCM (LPCM), MS ADPCM
- File extension: .wav
- Quantization bits: 8 and 16 (LPCM), 4 (MS ADPCM)
- Sampling frequency: 16 kHz to 48 kHz (LPCM), 22.05 kHz to 44.1 kHz (MS ADPCM)

## Supplemental information of compressed audio (disc, USB)

- There may be a slight delay when starting playback of audio files encoded with image data.
- File extensions must be used properly.
- Only 32 characters from the beginning can be displayed as a file name (including the extension) or a folder name.
- Russian text to be displayed on this unit should be encoded with the following character sets:
  — Unicode (UTF-8, UTF-16)
  — Character sets other than Unicode that are used in Windows environment and are set to Russian in the multi-language setting
- The text information of some audio files may not be correctly displayed. ◼

## Compressed audio files on the disc

- ISO 9660 Level 1 and 2 compliant. Romeo and Joliet file systems are both compatible with this player.
- Multi-session playback is possible.
- Compressed audio files are not compatible with packet write data transfer.
- Regardless of the length of blank section between the songs of original recording, compressed audio discs play with a short pause between songs. ◼

## Compressed audio files in the USB storage device

About USB storage device compatibility, refer to *Specifications* on page 65.
- Copyright protected files cannot be played back.
- There may be a slight delay when starting playback of audio files on a USB storage device with numerous folder hierarchies. ◼

## Example of a hierarchy and playback sequences

☐: Folder
♫: Compressed audio file



Level 1    Level 2    Level 3    Level 4
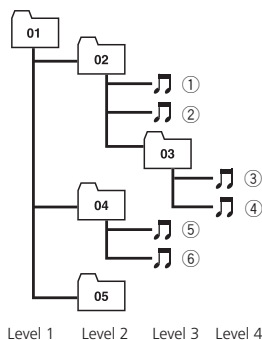
## The sequence of audio files on the disc

- This unit assigns folder numbers. The user cannot assign folder numbers.
- Folder selection sequence or other operation may be altered depending on the encoding or writing software.
- Folder hierarchy is allowed up to eight tiers. However, a practical hierarchy of folder is less than two tiers.
- Up to 99 folders on a disc can be played back.

# Additional Information

## The sequence of audio files on the USB storage device

*For USB portable audio players, the sequence is different from that of USB memory and depends on the player.*

- 01 to 05 represent assigned folder numbers. ① to ⑥ represent the playback sequence. The user cannot assign folder numbers and specify the playback sequence with this unit.
- Playback sequence of the audio file is the same as recorded sequence in the USB storage device.
- To specify the playback sequence, the following method is recommended.
  1 Create the file name including numbers that specify the playback sequence (e.g., 001xxx.mp3 and 099yyy.mp3).
  2 Put those files into a folder.
  3 Record the folder containing files into the USB storage device.
  However, depending on the system environment, you cannot specify the file playback sequence.
- Up to 15 000 files in a USB storage device can be played back.
- Up to 500 folders in a USB storage device can be played back.
- Up to eight tiers directory in a USB storage device can be played back. ◼

# iPod

## iPod compatibility

- This unit supports only the following iPod models. Supported iPod software versions are shown below. Older versions of iPod software may not be supported.
  — iPod nano first generation (software version 1.3.1)
  — iPod nano second generation (software version 1.1.3)
  — iPod nano third generation (software version 1.1.2)
  — iPod fifth generation (software version 1.3.0)
  — iPod classic (software version 1.1.2)
  — iPod touch (software version 2.0)
  — iPhone (software version 2.0)
  — iPhone 3G (software version 2.0)
- Depending on the generation or version of the iPod, some functions can not be operated.
- Operations may vary depending on the software version of iPod.
- When using an iPod, iPod Dock Connector to USB Cable is required.
- Pioneer CD-IU50 interface cable is also available. For details, consult your dealer.
- This unit can control previous generations iPod models with a Pioneer iPod adapter (e.g. CD-IB100Ⅱ).
  For details concerning operation with the iPod adapter, refer to *Playing songs on iPod* on page 40.

## About handling the iPod

- Do not leave the iPod in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in iPod malfunction due to the resulting high temperature.
- Do not leave the iPod in a high temperature.
- Connect directly the dock connector cable to the iPod so that this unit works properly.
- Firmly secure the iPod when driving. Do not let the iPod fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- For details, refer to the iPod's manuals.

## About iPod settings

- You cannot operate the iPod Equalizer on Pioneer products. We recommend that you set the iPod Equalizer to off, before connecting to this unit.

*Additional Information*

# Additional Information

• You cannot set Repeat to off on the iPod when using this unit. Even if you set Repeat to off on the iPod, Repeat is automatically changed to All when connecting the iPod to this unit. ◉

## Copyright and trademark notice

### WMA



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http://www.mp3licensing.com.

### iTunes

iTunes is a trademark of Apple Inc., registered in the U.S. and other countries.

### iPod



iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

### iPhone



iPhone is a trademark of Apple Inc. ◉

# Additional Information

## Specifications

### General

Power source ............................ 14.4 V DC (10.8 V to 15.1 V allowable)
Grounding system ................... Negative type
Max. current consumption
...................................................... 10.0 A
Dimensions (W × H × D):
   DIN
      Chassis ..................... 180 mm × 50 mm × 162 mm
      Nose .......................... 188 mm × 58 mm × 17 mm
   D
      Chassis ..................... 180 mm × 50 mm × 162 mm
      Nose .......................... 170 mm × 48 mm × 17 mm
Weight .......................................... 1.5 kg

### Audio

Maximum power output ....... 50 W × 4
                               50 W × 2/4 Ω + 70 W × 1/2 Ω (for subwoofer)
Continuous power output ... 22 W × 4 (50 Hz to 15 000 Hz, 5 % THD, 4 Ω load, both channels driven)
Load impedance ...................... 4 Ω to 8 Ω × 4
                               4 Ω to 8 Ω × 2 + 2 Ω × 1
Preout max output level ....... 4 V
Equalizer (7-Band Graphic Equalizer):
      Frequency .......................... 50/125/315/800/2k/5k/12.5k Hz
      Gain ..................................... ±12 dB
HPF:
      Frequency .......................... 50/63/80/100/125 Hz
      Slope ................................... −12 dB/oct
Subwoofer (mono):
      Frequency .......................... 50/63/80/100/125 Hz
      Slope ................................... −18 dB/oct
      Gain ..................................... +6 dB to −24 dB
      Phase ................................. Normal/Reverse
Bass boost:
      Gain ..................................... +12 dB to 0 dB

### CD player

System .......................................... Compact disc audio system
Usable discs .............................. Compact disc
Signal-to-noise ratio ............... 94 dB (1 kHz) (IEC-A network)
Number of channels .............. 2 (stereo)
MP3 decoding format ........... MPEG-1 & 2 Audio Layer 3
WMA decoding format ......... Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio) (Windows Media Player)

AAC decoding format ............ MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 7.7 and earlier)
WAV signal format .................. Linear PCM & MS ADPCM (Non-compressed)

### USB

USB standard specification
...................................................... USB 2.0 full speed
Maximum current supply .... 500 mA
Minimum memory capacity
...................................................... 256 MB
USB Class ................................... MSC (Mass Storage Class)
File system ................................. FAT16, FAT32
MP3 decoding format ........... MPEG-1 & 2 Audio Layer 3
WMA decoding format ......... Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio) (Windows Media Player)
AAC decoding format ............ MPEG-4 AAC (iTunes encoded only) (.m4a) (Ver. 7.7 and earlier)
WAV signal format .................. Linear PCM & MS ADPCM (Non-compressed)

### FM tuner

Frequency range ...................... 87.5 MHz to 108.0 MHz
Usable sensitivity .................... 9 dBf (0.7 $\mu$V/75 Ω, mono, S/N: 30 dB)
Signal-to-noise ratio ............... 72 dB (IEC-A network)

### MW tuner

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

### LW tuner

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

### ✎ Note

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

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