Pioneer

CD RDS RECEIVER
DEH-6100BT

Operation Manual

English

Contents

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

If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Private households in the member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).
For countries not mentioned above, please contact your local authorities for the correct method of disposal.
By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health. ■

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 over-heating 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. ■

About this manual

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

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 *Compressed audio compatibility* on page 50.

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 the supported device, refer to *Specifications* on page 55.

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 52.

Hands-free phoning
This unit realizes effortless hands-free phoning with Bluetooth wireless technology.

Bluetooth audio player compatibility
When you use this unit with a Bluetooth audio player featuring Bluetooth wireless technology, you can control the Bluetooth audio player.

⚠ 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. ◼

Operating environment
This unit should be used within the temperature ranges shown below.
Operating temperature range: -10 ℃ to +60 ℃ (14 °F to 140 °F)
EN300328 ETC test temperature: -20 ℃ and +55 ℃ (-4 °F and 131 °F) ◼

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, please contact your dealer or nearest authorized Pioneer Service Station. ◼

Protecting your unit from theft
The front panel can be detached to deter theft.

🖐 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.
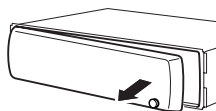
Before You Start

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

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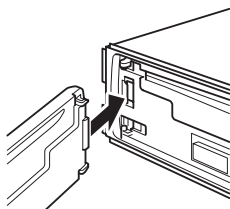
2   Press the right side of the front panel until it is firmly seated.
■ If you can't attach the front panel to the head unit successfully, try again. Front panel may be damaged if you attach the front panel forcedly.

■

Resetting the microprocessor

The microprocessor must be reset under the following conditions:
• Prior to using this unit for the first time after installation
• If the unit fails to operate properly
• When strange or incorrect messages appear on the display

1   Remove the front panel.
Refer to *Removing the front panel* on the previous page.
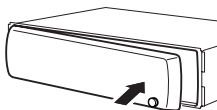
2   Press RESET with a pen tip or other pointed instrument.

RESET button
■

What's what

Head unit
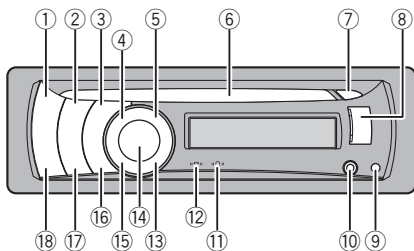
① **SRC/OFF button**

Press to cycle through all the available sources. Press and hold to turn the unit off.

② **⤨/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 25.

③ **SW/BASS button**

Press to switch to subwoofer setting menu. When operating subwoofer menu, press to switch menu.

Press and hold to switch to bass boost menu.

④ **▤/LIST button**

Press to display the 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 25.

⑤ **PHONE/☎/BT MENU button**

Press to display the phone book list. While operating a phone call, press to end a call, reject an incoming call or cancel making a call.

Press and hold to select **TELEPHONE** as a source.

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 **USB port**

Use to connect a USB storage device and an iPod.

- When connecting, open up the USB connector lid.
- Use an optional Pioneer USB cable (CD-U50E) to connect the USB audio player/ USB memory to the USB port. Since the USB audio player/USB memory is projected forward from the unit, it is dangerous to connect directly.

  Do not use the unauthorized product.

⑨ **⏏ (detach) button**

Press to remove the front panel from the head unit.

⑩ **AUX input jack (3.5 mm stereo jack)**

Use to connect an auxiliary device.

⑪ **"Ω" indicator**

Lights up when your Bluetooth audio player is connected via Bluetooth wireless technology.

⑫ **"☎" indicator**

Lights up when your cellular phone is connected via Bluetooth wireless technology.

- When selecting a source other than **TELEPHONE**, it flashes while using hands-free phoning.

⑬ **MUTE/HOLD button**

Press to turn off the sound. To turn on the sound, press again.

While talking on the phone, press to put the call on hold.

What's what

⑭ **MULTI-CONTROL**

Move to perform manual seek tuning, fast forward, reverse and track search controls. When a call comes in, press to answer the incoming call.

Also used for controlling functions.

Turn to increase or decrease the volume.

• While using hands-free phoning, you can select **END VOLUME** and switch **END VOLUME** and **PRIVATE** in **FUNCTION** by pressing **MULTI-CONTROL**.

⑮ **DISP/SCRL button**

Press to select different displays.

Press and hold to scroll through the text information.

⑯ **S.Rtrv button**

Press to switch advanced sound retriever settings.

⑰ **TA/NEWS button**

Press to turn TA function on or off. Press and hold to turn NEWS function on or off.

⑱ **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. ■

Optional remote control

The remote control CD-SR110/CD-SR120 is sold separately.

Operation is the same as when using the buttons on the head unit.
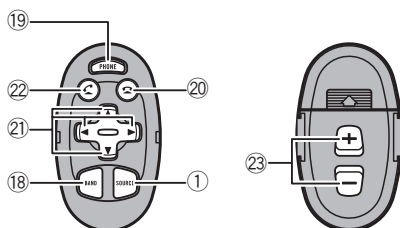
⑲ **PHONE button**

Press to display the phone book list. While operating a phone call, press to end a call, reject an incoming call or cancel making a call.

Press and hold to select **TELEPHONE** as a source.

⑳ 🕾 **button**

While operating the phone source, press to end a call or reject an incoming call.

㉑ **▲/▼/◄/► buttons**

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

㉒ 📞 **button**

Press to start talking on the phone while operating a phone source.

㉓ **VOLUME buttons**

Press to increase or decrease the volume. ■

Display indication
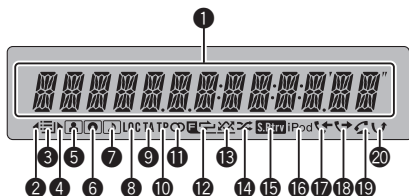
❶ **Main display section**

Displays band, frequency, elapsed playback time and other settings.

• Tuner

Band and frequency are displayed.

• RDS

Program service name, PTY information and other literal information are displayed.

• Built-in CD player, USB storage device, iPod

Elapsed playback time and literal information are displayed.

② ◄ indicator
Appears when an upper tier of folder or menu exists.

③ 📃 (list) indicator
Appears when operating list function.

④ ► indicator
Appears when a lower tier of folder or menu exists.

⑤ 👤 (artist) indicator
Appears when the disc (track) artist name is displayed on the main display section.
Appears when artist search refinement on the iPod browsing function is in use.

⑥ ◉ (disc) indicator
Appears when the disc (album) name is displayed on the main display section.
Appears when album search refinement on the iPod browsing function is in use.

⑦ ♩ (song) indicator
Appears when the track (song) name is displayed on the main display section.
Appears when song search refinement on the iPod browsing function is in use.

⑧ LOC indicator
Appears when local seek tuning is on.

⑨ TA indicator
Appears when TA (traffic announcement standby) function is on.

⑩ TP indicator
Appears when a TP station is tuned in.

⑪ ◯ (stereo) indicator
Appears when the selected frequency is being broadcast in stereo.

⑫ �🔁 (folder repeat) indicator
Appears when folder repeat is on.
When repeat function is on, only 🔁 is displayed.

⑬ 🔁🔀 (folder random) indicator
Appears when folder random is on.

When random function is on, only 🔀 is displayed.

⑭ 🔀 (shuffle) indicator
Appears when shuffle function is on while the iPod source is being selected.

⑮ S.Rtrv (Sound Retriever) indicator
Appears when Sound Retriever function is on.
For details, refer to *Using advanced sound retriever* on page 20.

⑯ iPod indicator
Appears when **CONTROL** (control mode) is set to **IPOD**.
For details about the control mode, refer to *Operating this unit's iPod function from your iPod* on page 25.

⑰ 📞 (received call) indicator
Appears when received call list is displayed while telephone source is being selected.

⑱ 📞 (dialled call) indicator
Appears when dialled call list is displayed while telephone source is being selected.

⑲ 📞 (auto answer) indicator
Shows when the automatic answering function is on (Refer to *Setting automatic answering* on page 36).

⑳ 📞 (missed call) indicator
Appears when there are missed call log.
Appears when missed call list is displayed while telephone source is being selected. ■

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. To switch to the built-in CD player, load a disc in the unit. Refer to page 17.

● **Press SRC/OFF repeatedly to switch between the following sources.**
TUNER (tuner)—**COMPACT DISC** (built-in CD player)—**USB** (USB storage device)/**USB-IPOD** (iPod connected using USB input)—**AUX** (auxiliary unit)—**BT AUDIO** (Bluetooth audio)

✎ Notes

• In the following cases, the sound source will not change.
  — When there is no disc in the unit.
  — When AUX (auxiliary input) is set to off (refer to page 43).
  — When the **BT AUDIO** source is set to off (refer to *Activating the* **BT AUDIO** *source* on page 44).
• When an USB storage device or iPod is not connected to the USB port of this unit, **NO DEVICE** is displayed.
• AUX is set to on by default. Turn off the AUX when not in use (refer to *Switching the auxiliary setting* on page 43).
• 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.
• 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.** ▣

Basic Operations

● **Selecting 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.

● **Seeking 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.
▪ All stations stored for FM bands can be recalled from each independent FM band.
▪ 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.

Note

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**.◼

Switching the RDS display

When you tune in an RDS station its program service name is displayed. Switch the display to find out the frequency.

● **Press DISP/SCRL.**
Press **DISP/SCRL** repeatedly to switch between the following settings:
Program service name—PTY information—Frequency

PTY (program type ID code) information is listed in the following section. Refer to page 16.

▪ PTY information and the frequency of the current station appears on the display for eight seconds.◾

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.
The function menu is displayed.

3 Turn MULTI-CONTROL to select the function.
BSM (best stations memory)—**REGIONAL** (regional)—**LOCAL** (local seek tuning)—**PTY** (program type selection)—**TRAFFIC** (traffic announcement standby)—**AF** (alternative frequencies search)—**NEWS** (news program interruption)

📝 Notes

• To return to the ordinary display, press **BAND/ESC**.
• 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 Display the function menu.
Refer to *Introduction to advanced operations* on this page.

2 Use MULTI-CONTROL to select BSM in the function menu.

3 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.

1 Display the function menu.
Refer to *Introduction to advanced operations* on this page.

2 Use MULTI-CONTROL to select LOCAL in the function menu.

3 Press MULTI-CONTROL to turn local seek tuning on.

▪ To turn local seek tuning off, press **MULTI-CONTROL** again.

4 Push MULTI-CONTROL left or right to set the sensitivity.
FM: **LEVEL1**—**LEVEL2**—**LEVEL3**—**LEVEL4**
MW/LW: **LEVEL1**—**LEVEL2**
Larger setting number is higher level. The highest level setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.◾

Selecting alternative frequencies

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

1 Display the function menu.
Refer to *Introduction to advanced operations* on this page.

2   Use MULTI-CONTROL to select AF in the function menu.

3   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 42.

Limiting stations to regional programming

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

1   Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2   Use MULTI-CONTROL to select REGIONAL in the function menu.

3   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.
TP indicator lights.

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 an-
nouncement is being received to cancel the
announcement.**
The tuner returns to the original source but re-
mains 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 recep-
  tion.
- Only TP and enhanced other network's TP sta-
  tions are tuned in during seek tuning or BSM
  when TA is on. ◼

Using PTY functions

You can tune in a station by using PTY (pro-
gram type) information.

Searching for an RDS station by
PTY information

You can search for general types of broadcast-
ing programs, such as those listed in the fol-
lowing section. Refer to the next page.

1   Display the function menu.
Refer to *Introduction to advanced operations*
on page 13.

**2   Use MULTI-CONTROL to select PTY in
the function menu.**

**3   Push MULTI-CONTROL left or right to
select a program type.**
NEWS/INFO—**POPULAR**—**CLASSICS**—
OTHERS

**4   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, **PTY NOT FOUND** is dis-
  played 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 **NEWS :OFF** appears in
  the display.
- 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. ◼

PTY list

General	Specific	Type of program
NEWS/INFO	NEWS	News
	AFFAIRS	Current affairs
	INFO	General information and advice
	SPORT	Sports
	WEATHER	Weather reports/meteorological 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

▣

Basic Operations

● **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).

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

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

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

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

● **Switching 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 50.)
• Read the precautions for the player and discs in the following section. Refer to page 49.
• 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 47.
• 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.)
• You can eject the CD by pressing and holding ▲ (eject) with eject position when the CD loading or ejecting cannot operate properly. ■

Displaying text information on disc

● **Press DISP/SCRL to select the desired text information.**
For title entered CD
Play time—disc title
For CD TEXT discs
Play time—disc title—disc artist name—track title—track artist name
For WMA/MP3/AAC
Play time—folder name—file name—track title—artist name—album title—comment—bit rate—folder and file numbers
For WAV
Play time—folder name—file name—sampling frequency—folder and file numbers

✎ 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 the characters recorded on the audio file are not compatible with this unit, those characters will not be displayed.
• If specific information is not recorded on a disc, title or name is not displayed.
• The text information of some audio files may not be correctly 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 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 43.
- Depending on the character sets in the disc, Russian texts may be garbled. About the allowed character sets for Russian texts, refer to *Handling guideline and supplemental information* on page 50. ◾

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.
- 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.
— 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.
- 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.
The function menu is displayed.

3   Turn MULTI-CONTROL to select the function.
REPEAT (repeat play)—**RANDOM** (random play)—**SCAN** (scan play)—**PAUSE** (pause)—**S.RTRV** (advanced sound retriever)—**TITLE INPUT** (disc title input)

Built-in CD Player

📝 Notes

- To return to the ordinary display, press **BAND/ESC**.
- If you do not operate functions except for **TITLE INPUT** 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

1   Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2   Use MULTI-CONTROL to select REPEAT in the function menu.

3   Press MULTI-CONTROL to select the repeat range.
- **DISC** – Repeat all tracks
- **TRACK** – Repeat the current track
- **FOLDER** – 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** (track repeat) changes the repeat play range to disc/folder.

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

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   Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2   Use MULTI-CONTROL to select SCAN in the function menu.

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

4   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** again by using **MULTI-CONTROL**.

◾ After scanning of a disc (folder) is finished, normal playback of the tracks begins. ◼

Pausing playback

1   Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2   Use MULTI-CONTROL to select PAUSE in the function menu.

3   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**. ◼

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   Display the function menu.
Refer to *Introduction to advanced operations* on page 18.

3   Use MULTI-CONTROL to select TITLE INPUT in the function menu.

4   Press DISP/SCRL to select the desired character type.
Press **DISP/SCRL** repeatedly to switch between the following character types:
Alphabet—Numbers

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

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

7   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.

8   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. ◼

Playing songs on USB storage device

For details about the supported device, refer to Specifications on page 55.

Basic Operations

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

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

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

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

✎ Notes

- Optimum performance of this unit may not be obtained depending on the connected USB storage device.
- 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.
- You can disconnect the USB storage device anytime you want to finish listening to it.
- If you do not use an USB storage device, disconnect it from this unit.
- When the USB portable audio player/USB memory is disconnected from this unit during playback, **NO DEVICE** is displayed. ▣

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. ▣

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.
The function menu is displayed.

3   Turn MULTI-CONTROL to select the function.
REPEAT (repeat play)—**RANDOM** (random play)—**SCAN** (scan play)—**PAUSE** (pause)—**S.RTRV** (advanced sound retriever)

Function and operation

REPEAT, **RANDOM**, **SCAN**, **PAUSE** and **S.RTRV** operations are basically the same as that of the built-in CD player.

Function name	Operation
REPEAT	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 USB portable audio player/USB memory are: • **TRACK** – Repeat just the current file • **FOLDER** – Repeat the current folder • **ALL** – Repeat all files
RANDOM	Refer to *Playing tracks in random order* on page 19.

SCAN	Refer to *Scanning folders and tracks* on page 19.
PAUSE	Refer to *Pausing playback* on page 19.
S.RTRV	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**.
- If you perform track search or fast forward/reverse during **TRACK**, the repeat play range changes to **FOLDER**.
- When **FOLDER** is selected, it is not possible to play back a subfolder of that folder.
- After file or folder scanning is finished, normal playback of the files begins again. ■

For details about the supported iPod, refer to iPod compatibility on page 52.

Basic Operations

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

● **Selecting a track (chapter)**
Push **MULTI-CONTROL** left or right.

✎ Notes

- When using an iPod, iPod Dock Connector to USB Cable (CD-IU50) is required.
- Read the precautions for iPod in the following section. Refer to page 52.
- If an error message is displayed, refer to *Error messages* on page 47.
- 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 iPod to this unit, 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 browsing mode.

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.
- To return to the previous category, push **MULTI-CONTROL** left.
- To return to the top tier of categories, push and hold **MULTI-CONTROL** left.
- 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.

3   Repeat step 2 to find a song you want to listen to.
- When you select **PODCASTS**, an episode list is displayed.

Searching by alphabet in the list

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

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

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

4   Press MULTI-CONTROL to display the alphabetical list.
The list is displayed starting from the selected letter of the alphabet.
■ If alphabet search fails, **NOT FOUND** is displayed. ▣

Displaying text information on iPod

● **Press DISP/SCRL to select the desired text information.**
Play time—song title—artist name—album title—number of songs

📝 Notes
• If the characters recorded on the iPod are not compatible with this unit, those characters are not displayed.
• 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 43. ▣

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.
The function menu is displayed.

3   Turn MULTI-CONTROL to select the function.
REPEAT (repeat play)—**SHUFFLE** (shuffle)—**SHUFFLE ALL** (shuffle all)—**LINK** (link play)—**CONTROL** (control mode)—**PAUSE** (pause)—

A-BOOKS (audiobook speed)—**S.RTRV** (advanced sound retriever)

Function and operation

REPEAT, **PAUSE** and **S.RTRV** operations are basically the same as that of the built-in CD player.

Function name	Operation
REPEAT	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: • **ONE** – Repeat the current song • **ALL** – Repeat all songs in the selected list
PAUSE	Refer to *Pausing playback* on page 19.
S.RTRV	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** is set to **IPOD**, only **CONTROL**, **PAUSE** and **S.RTRV** can be operated. ▣

Playing songs in a random order (shuffle)

1   Display the function menu.
Refer to *Introduction to advanced operations* on this page.

2   Use MULTI-CONTROL to select SHUFFLE in the function menu.

Playing songs on iPod

3 Press MULTI-CONTROL to select your favorite setting.
- **SONGS** – Play back songs in the selected list in random order.
- **ALBUMS** – Play back songs from a randomly selected album in order.
- **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** 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.

2 Use MULTI-CONTROL to select the desired mode.
Push **MULTI-CONTROL** left or right to change the mode; press to select.
- **ARTISTS** – Plays the album of currently playing artist.
- **ALBUMS** – Plays the song of currently playing album.

- **GENRES** – 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.

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 turn this function on or off in the menu that appears by using **MULTI-CONTROL**.
* When the control mode is set to **IPOD**, operations are limited as follows:
  — Functions other than **CONTROL** (control mode), **PAUSE** (pause) and **S.RTRV** (advanced sound retriever) cannot be selected.
  — The volume can only be controlled from this unit. ■

Changing audiobook speed

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

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 24.

2 Use MULTI-CONTROL to select A-BOOKS in the function menu.

3 Press MULTI-CONTROL to select your favorite setting.

* **FASTER** – Playback faster than normal speed
* **NORMAL** – Playback in normal speed
* **SLOWER** – Playback slower than normal speed ■

Using Bluetooth wireless technology

Connecting a Bluetooth device

Before using the Bluetooth audio player and Bluetooth telephone, you need to connect Bluetooth device to this unit. Please read the following section and connect correctly.

If you use Bluetooth device with this unit for the first time, read the following section.

- *Using a Bluetooth device to pair* on the next page
- *Pairing from this unit* on the next page

If your Bluetooth device has already been paired, read the following section.

- *Connecting a paired Bluetooth device and selecting a service* on page 29

If your Bluetooth device needs to be disconnected from this unit, read the following section.

- *Disconnecting a Bluetooth device* on page 29

Also, you can use other convenient functions listed below. You can use these functions when needed.

- *Deleting a paired Bluetooth device* on page 29
- *Connecting to a Bluetooth device automatically* on page 30
- *Displaying system version for repair* on page 30
- *Displaying BD (Bluetooth Device) address* on page 30
- *Editing device name* on page 30
- *Entering PIN code for Bluetooth wireless connection* on page 31

📝 Note

Before you can use the devices featuring Bluetooth wireless technology, you may need to enter the PIN code into this unit. If your device requires a PIN code to establish a connection, look for the code on the device or in its accompanying docu-
mentation. Refer to *Entering PIN code for Bluetooth wireless connection* on page 31.

Introduction to connection operations

1   Select BT AUDIO or TELEPHONE as a source.
To select **BT AUDIO**, press **SRC/OFF**.
To select **TELEPHONE**, press and hold **PHONE/☎/BT MENU**.

2   Press MULTI-CONTROL to display the main menu.

3   Use MULTI-CONTROL to select CONNECTION.
Turn to change the menu option. Press to select.
The connection menu is displayed.

4   Turn MULTI-CONTROL to select the function.
OPEN DEVICE (open a connection to the device)—**SEARCH DEVICE** (search device)—
DISCONNECT (disconnect device)—
DELETE DEVICE (delete device)—
PAIRED DEVICE (service setting)—
A.CONNECT (automatic connection setting)—
BT VER. INFO (version information)—
DEVICE INFO (device information)—
DEVICE EDIT (editing the device name)—
PINCODE INPUT (pin code input)

📝 Notes

- If a Bluetooth device is not connected to this unit yet, **DISCONNECT** function is not available.
- If a Bluetooth device is not paired with this unit yet, **DELETE DEVICE** and **PAIRED DEVICE** function is not available.
- To return to the ordinary display, press **BAND/ESC**.

Using Bluetooth wireless technology

- If you do not operate functions except for **OPEN DEVICE**, **SEARCH DEVICE**, **DISCONNECT**, **DEVICE EDIT** and **PINCODE INPUT** within about 30 seconds, the display automatically returns to the ordinary display.
- If you do not operate **OPEN DEVICE** and **SEARCH DEVICE** within 30 seconds after the Bluetooth device is paired, the display automatically returns to the ordinary display.

Using a Bluetooth device to pair

1 Display the connection menu.
Refer to *Introduction to connection operations* on the previous page.

2 Use MULTI-CONTROL to select OPEN DEVICE.
■ If there is previous connection log in this unit, you can select the Bluetooth device from **PAIRED DEVICE**.
Refer to *Connecting a paired Bluetooth device and selecting a service* on the next page.

3 Push MULTI-CONTROL up or down to select the special device.
■ Bluetooth devices that are difficult to establish connection is called special device. If your Bluetooth device is listed in the special device, select the appropriate one.

4 Press MULTI-CONTROL to open the connection.
READY will be displayed.
This unit is now on standby for connection from Bluetooth device.
■ If five devices are already paired, **MEMORY FULL** is displayed and it is not possible to perform the pairing operation. In this case, delete a paired device first. Refer to *Deleting a paired Bluetooth device* on the next page.
■ Push **MULTI-CONTROL** left or right to display the device name, BD address and PIN code of this unit.

5 Use your Bluetooth device to establish connection.
Connection method is different depending on the Bluetooth device. See the manual of your Bluetooth device to establish connection.
When the connection is established, **PAIRED** is displayed.
■ If the connection fails, **ERROR** is displayed. In this case, try again from the beginning.
■ PIN code is set to **0000** as the default. You can change this code. Refer to *Entering PIN code for Bluetooth wireless connection* on page 31.

Pairing from this unit

1 Display the connection menu.
Refer to *Introduction to connection operations* on the previous page.

2 Use MULTI-CONTROL to select SEARCH DEVICE.

3 Push MULTI-CONTROL up or down to select a device.

4 Press MULTI-CONTROL to start searching.
While searching, **SEARCHING** flashes. When available Bluetooth devices are found, device name or BD address (if names cannot be obtained) is displayed.
■ To cancel searching, press **MULTI-CONTROL** again.
■ If five devices are already paired, **MEMORY FULL** is displayed and it is not possible to perform the pairing operation. In this case, delete a paired device first. Refer to *Deleting a paired Bluetooth device* on the next page.
■ If no device can be found, **NOT FOUND** is displayed. In this case, check the status of Bluetooth device and search again.

5 Push MULTI-CONTROL up or down to select a device name you want to connect.
■ If only one device was found, this step cannot be performed.
■ Push **MULTI-CONTROL** left or right to display the device name and BD address.

6 Press MULTI-CONTROL to establish connection.
While connecting, **PAIRING** flashes. If the connection is established, **PAIRED** is displayed.

- If the connection fails, **ERROR** is displayed. In this case, try again from the beginning.
- PIN code is set to **0000** as the default. You can change this code. Refer to *Entering PIN code for Bluetooth wireless connection* on page 31.

Disconnecting a Bluetooth device

This function can be operated only when the Bluetooth wireless connection is being established.

1 Display the connection menu.
Refer to *Introduction to connection operations* on page 27.

2 Use MULTI-CONTROL to select DISCONNECT.

3 Push MULTI-CONTROL up or down to select a device.

- If only one device was found, this step cannot be performed.

4 Press MULTI-CONTROL to disconnect the Bluetooth wireless connection.
While disconnecting, **DISCONNECTING** flashes. When the Bluetooth wireless connection is terminated, **DISCONNECTED** is displayed.

- If multiple Bluetooth devices have been connected and you wish to disconnect them, press **MULTI-CONTROL** and then select the device. In this case, repeat operation from step 3.

Deleting a paired Bluetooth device

1 Display the connection menu.
Refer to *Introduction to connection operations* on page 27.

2 Use MULTI-CONTROL to select DELETE DEVICE.

3 Push MULTI-CONTROL up or down to select a device.

- If only one device was found, this step cannot be performed.
- Push **MULTI-CONTROL** left to display the BD address.
- If device name cannot be obtained, BD address is displayed.

4 When the device name is being displayed, push MULTI-CONTROL right to display DELETE YES.
Deleting device is now on standby.

- If you do not want to delete the device, push **MULTI-CONTROL** left.

5 Press MULTI-CONTROL to delete the device.
While deleting, **DELETING** flashes. After the device is deleted, **DELETED** is displayed.

Connecting a paired Bluetooth device and selecting a service

Bluetooth service of the paired device can be selected. You can choose a Bluetooth service from **PHONE** service, **AVRCP** service or **A2DP** service.

1 Display the connection menu.
Refer to *Introduction to connection operations* on page 27.

2 Use MULTI-CONTROL to select PAIRED DEVICE.

3 Push MULTI-CONTROL up or down to select a device.

- If only one device was found, this step cannot be performed.
- Push **MULTI-CONTROL** left or right to switch the BD address and device name.
- If device name cannot be obtained, BD address is displayed.

4 Press MULTI-CONTROL to display the service select screen.

5   Push MULTI-CONTROL up or down to select the service.
PHONE—AVRCP—A2DP

- "∗" is displayed on the connected service.
- Profile that is not compatible with the con- nected device cannot be selected.

6   Press MULTI-CONTROL to start or stop the selected service.

Connecting to a Bluetooth device automatically

It is possible to set the automatic connection between your Bluetooth device and this unit. If this function is set to on, connection between your Bluetooth device and this unit will take place automatically as soon as the two devices are less than a few meters apart.

- Initially, this function is set to on.

1   Display the connection menu.
Refer to *Introduction to connection operations* on page 27.

2   Use MULTI-CONTROL to select A.CONNECT.

3   Press MULTI-CONTROL to turn auto- matic connection on.
If your Bluetooth device is ready for Bluetooth wireless connection, connection to this unit is automatically established.

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

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.

1   Display the connection menu.
Refer to *Introduction to connection operations* on page 27.

2   Use MULTI-CONTROL to select BT VER. INFO.
The system (microprocessor) version of this unit is displayed.

3   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.

Displaying BD (Bluetooth Device) address

This unit displays the BD address of this unit.

1   Display the connection menu.
Refer to *Introduction to connection operations* on page 27.

2   Use MULTI-CONTROL to select DEVICE INFO in the function menu.

3   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.

Editing device name

You can edit the device name.
The device name is set to **DEH-6100BT** as de- fault.

1   Display the connection menu.
Refer to *Introduction to connection operations* on page 27.

2   Use MULTI-CONTROL to select DEVICE EDIT.

3   Press DISP/SCRL to select the desired character type.
Press **DISP/SCRL** repeatedly to switch between the following character types:
Alphabet—Numbers

Using Bluetooth wireless technology

4   Push MULTI-CONTROL up or down to select a letter of the alphabet.
- Device name can be up to 32 characters long.

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

6   After editing device name, press MULTI-CONTROL to store in this unit.

Entering PIN code for Bluetooth wireless connection

To connect your Bluetooth device to this unit via Bluetooth wireless technology, you need to enter PIN code on your Bluetooth device to verify the connection. The default code is **0000**, but you can change this in this function.
- With some Bluetooth devices, you don't need to enter the PIN code.

1   Display the connection menu.
Refer to *Introduction to connection operations* on page 27.

2   Use MULTI-CONTROL to select PINCODE INPUT.

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

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

5   After inputting PIN code (up to 16 digits), press MULTI-CONTROL to store 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.
- If an invalid character has been entered, subsequent characters are not displayed.
- If an invalid character has been entered in the beginning, PIN code cannot be stored in memory. ■

Bluetooth Audio

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.
- While using Bluetooth audio player, automatic connection of Bluetooth telephone cannot be performed.
- Even if you are listening to a song on your Bluetooth audio player and you switch to another source, song playback continues.

Using Bluetooth wireless technology

Setting up for Bluetooth audio

Before you can use the Bluetooth audio function you must set up the unit for use with your Bluetooth audio player. This entails establishing a Bluetooth wireless connection between this unit and your Bluetooth audio player, and pairing your Bluetooth audio player with this unit.

● **Connecting and pairing**
For detailed instructions on connecting your phone to this unit via Bluetooth wireless technology, see following section. *Connecting a Bluetooth device* on page 27.

Basic Operations

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

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

● **Starting playback**
Press **BAND/ESC**.

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.
The function menu is displayed.

3   Turn MULTI-CONTROL to select the function.
PLAY (play)—**STOP** (stop)—**PAUSE** (pause)

✍ 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.

Function and operation

PAUSE is the same as that of the built-in CD player.

Function name	Operation
PAUSE	Refer to *Pausing playback* on page 19.

Playing songs on a Bluetooth audio player

1   Display the function menu.
Refer to *Introduction to advanced operations* on this page.

2   Use MULTI-CONTROL to select PLAY in the function menu.

3   Press MULTI-CONTROL to start playback.

Stopping playback

1   Display the function menu.
Refer to *Introduction to advanced operations* on this page.

2   Use MULTI-CONTROL to select STOP in the function menu.

3   Press MULTI-CONTROL to stop the playback. ◼

Using Bluetooth wireless technology

Bluetooth Telephone

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.
- When **POWER SAVE** (refer to *Saving the battery consumption* on page 44) is on, calls cannot be received with this unit.
- 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.
- Depending on the cellular phone connected to this unit, the operations available with this unit may be limited.

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, pairing your phone with this unit, adjusting the volume level and adjusting the microphone angle.

1   Connecting and pairing

For detailed instructions on connecting your phone to this unit via Bluetooth wireless technology, see following section. *Connecting a Bluetooth device* on page 27.

2   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.

3   Microphone angle adjustment

The microphone needs to be pointed toward the person speaking.

Making a phone call

Dial a number

The most basic way to make a call is to simply dial the number.
For detailed instructions, refer to *Making a call by entering phone number* on page 37.

Calling a number in the Phone Book or the Call History

For detailed instructions, refer to *Calling a number in the phone book* on page 35 and *Using the missed, received and dialed call lists* on page 35.

Voice recognition

If your cellular phone features voice recognition technology, you can make a call by voice commands.

- Operation varies depending on the type of cellular phone. Refer to the instruction manual that came with your cellular phone for detailed instructions.

1   Press BAND/ESC and hold until CANCEL appears in the display.

When **VOICE DIAL ON** is displayed, voice recognition function is 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.

Using Bluetooth wireless technology

Taking a phone call

Answering or rejecting an incoming call

● **Answering an incoming call**
When a call comes in, press
MULTI-CONTROL.

● **End a call**
Press **PHONE/☎/BT MENU**.

● **Rejecting an incoming call**
When a call comes in, press **PHONE/☎/
BT MENU**.

📝 Note
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.

● **End all calls**
Press **PHONE/☎/BT MENU**.

● **Switch between callers on hold**
Push **MULTI-CONTROL** up.

● **Rejecting call waiting**
Press **PHONE/☎/BT MENU**.

📝 Notes
• To end the call, both you and your caller need
  to hang up the phone.
• While in standby mode, you can recall
  PHONE BOOK by pushing **MULTI-CONTROL**
  down.
• While in standby mode, you can recall
  MISSED CALLS by pushing **MULTI-CONTROL**
  up.
• While in standby mode, you can recall
  DIALLED CALLS by pushing
  MULTI-CONTROL right.

• While in standby mode, you can recall
  RCVED CALLS by pushing **MULTI-CONTROL**
  left.

Using the phone number list

🔧 Important
• Be sure to park your vehicle and apply the
  parking brake when operating the list.
• List can be called up from all sources. The
  methods to call up the list are different by the
  source.

**1   Press PHONE/☎/BT MENU to switch to
the phone number list mode.**
■ If **TELEPHONE** is selected as the source, press
▤/**LIST** to switch to the phone number list mode.

**2   Use MULTI-CONTROL to select a cate-
gory.**
Turn to change the menu option. Press to se-
lect.
PHONE BOOK (phone book list)—
MISSED CALLS (missed call list)—
DIALLED CALLS (dialed call list)—
RCVED CALLS (received call list)
  • For more detailed information about
    PHONE BOOK, see the following section.
    Calling a number in the phone book on the
    next page.
  • For more detailed information about
    MISSED CALLS, **DIALLED CALLS** and
    RCVED CALLS, see the following section.
    *Using the missed, received and dialed call
    lists* on the next page.
■ If no names are stored, phone numbers are
displayed.

Using Bluetooth wireless technology

Calling a number in the phone book

While this unit and your cellular phone are being connected, the phone book of this unit is automatically synchronized with that of the cellular phone. However, the synchronization may not be performed depending on the type of cellular phone. In this case, you will need to set up the phone book manually. To set up the phone book, see the following section. *Transferring entries to the phone book* on the next page.

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

1 Press PHONE/☎/BT MENU to switch to the phone number list mode.
■ If **TELEPHONE** is selected as the source, press 📃/**LIST** to switch to the phone number list mode.

2 Use MULTI-CONTROL to select PHONE BOOK.
Turn to change the menu option. Press to select.

3 Turn MULTI-CONTROL to select the first letter of the name you are looking for.
■ You can also perform the same operation by pushing **MULTI-CONTROL** up or down.
■ To change the character, press **DISP/SCRL**. Pressing **DISP/SCRL** switches the character in the following order.
Alphabet—Russian—Greek
■ The order of the first name and last name may be different from that of the cellular phone.

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

5 Turn MULTI-CONTROL to select a phone book entry you want to call.
■ You can also perform the same operation by pushing **MULTI-CONTROL** up or down.

6 Press MULTI-CONTROL to display the phone number list of the selected entry.
■ You can also display the phone number list of the selected entry by pushing **MULTI-CONTROL** right.
■ 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.

7 Press MULTI-CONTROL to make a call.

8 To end the call, press PHONE/☎/ BT MENU.

Using the missed, received and dialed call lists

The 80 most recent calls dialed, received, and missed are stored in memory. You can browse them and call numbers from these lists.

1 Press PHONE/☎/BT MENU to switch to the phone number list mode.
■ If **TELEPHONE** is selected as the source, press 📃/**LIST** to switch to the phone number list mode.

2 Use MULTI-CONTROL to select MISSED CALLS, DIALLED CALLS or RCVED CALLS.
Turn to change the menu option. Press to select.

3 Turn MULTI-CONTROL to select a phone number.
Turning **MULTI-CONTROL** to change the phone numbers stored in the list.
■ You can also change the phone number by pushing **MULTI-CONTROL** up or down.
■ You can switch the name and phone number by pressing **DISP/SCRL**.
■ You can scroll literal information by pressing and holding **DISP/SCRL**. To stop scrolling, press **DISP/SCRL**.

Using Bluetooth wireless technology

■ If you do not operate anything within about 30 seconds, the list display is canceled automatically.

4   Press MULTI-CONTROL to make a call.

5   To end the call, press PHONE/☎/ BT MENU.

Introduction to advanced operations

1   Press and hold PHONE/☎/BT MENU to switch to TELEPHONE.

2   Press MULTI-CONTROL to display the main menu.

3   Use MULTI-CONTROL to select FUNCTION.
The function menu is displayed.
Turn to change the menu option. Press to select.

4   Turn MULTI-CONTROL to select the function.
PH B TRANSFER (phone book transfer)—
A.ANSWER (automatic answer setting)—
END VOLUME (Adjust the intended party's listening volume)—**RING TONE** (ring tone select)—**NUMBER DIAL** (call by entering number)—**PRIVATE** (private mode)

✐ Notes

• To return to the playback display, press **BAND/ESC**.
• If you do not operate functions other than **PH B TRANSFER**, and **NUMBER DIAL** within about 30 seconds, the display automatically returns to the ordinary display.
• You can operate **PRIVATE** only while talking on the phone.
• If Bluetooth telephone is not connected to this unit, **NUMBER DIAL** cannot be operated.

Transferring entries to the phone book

Phone books in your cellular phone can be transferred to this unit by using your cellular phone.
• 1 000 entries for each user (max. 5 devices) can be stored in the phone book. Each independent entry can hold five phone numbers and genres.

1   Display the function menu.
Refer to *Introduction to advanced operations* on this page.

2   Use MULTI-CONTROL to select PH B TRANSFER.

3   Press MULTI-CONTROL to enter the phone book transfer standby mode.
WAIT is displayed.

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.
When phone book transfer is completed, **DATA TRANSFER** is displayed.

Setting automatic answering

1   Display the function menu.
Refer to *Introduction to advanced operations* on this page.

2   Use MULTI-CONTROL to select A.ANSWER.

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

Using Bluetooth wireless technology

Adjusting the intended party's listening volume

To maintain the good speech quality, this unit can adjust the intended party's listening volume. If the volume is not enough for intended party, adjust this function.

1   Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2   Use MULTI-CONTROL to select END VOLUME.

3   Push MULTI-CONTROL left or right to select the desired setting.
1—2—3—4—5
■   This function can be performed even while talking on the phone.
■   Settings can be stored for each device.

Switching the ring tone

You can select whether to use this unit's ring tone or not. If this function is set to on, ring tone from this unit will sound.

1   Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2   Use MULTI-CONTROL to select RING TONE.

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

Making a call by entering phone number

🔧 Important

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

1   Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2   Use MULTI-CONTROL to select NUMBER DIAL.

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

4   Push MULTI-CONTROL left or right to move the cursor to the previous or next position.
■   Up to 32 digits can be entered.

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

6   Press MULTI-CONTROL to make a call.

7   To end the call, press PHONE/☎/ BT MENU.

Setting the private mode

During a conversation, you can switch to private mode (talking directly on your cellular phone).

1   Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2   Use MULTI-CONTROL to select PRIVATE.

3   Press MULTI-CONTROL to turn private mode on.
To turn private mode off, press **MULTI-CONTROL** again. ▣

Audio Adjustments

Introduction of audio adjustments

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.
FADER (balance adjustment)—**P.EQ** (equalizer recall)—**EQ** (equalizer adjustment)—**EQ** (equalizer fine adjustment)—**LOUDNESS** (loudness)—**SUB W1** (subwoofer on/off setting)—**SUB W2** (subwoofer setting)—**HPF** (high pass filter)—**BASS BOOST** (bass boost) —**SLA** (source level adjustment)

📝 Notes

- To return to the playback display, press **BAND/ESC**.
- If **TELEPHONE** is selected as a source, only **FADER** (balance adjustment) can be operated.
- You can select the **SUB W2** only when subwoofer output is turned on in **SUB W1**.
- When selecting FM as the source, you cannot switch to **SLA**.
- If you do not operate functions within about 30 seconds, the display automatically returns 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 Display the audio menu.
Refer to *Introduction of audio adjustments* on this page.

2 Use MULTI-CONTROL to select FADER in the audio function menu.
- If the balance setting has been previously adjusted, **BALANCE** will be displayed.

3 Push MULTI-CONTROL up or down to adjust front/rear speaker balance.
F 15 to **R 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:SUB W**, you cannot adjust front/rear speaker balance. Refer to *Setting the rear output and subwoofer output* on page 43.

4 Push MULTI-CONTROL left or right to adjust left/right speaker balance.
L 15 to **R 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 six stored equalizer curves which you can easily recall at any time. Here is a list of the equalizer curves.

Display	Equalizer curve
POWERFUL	Powerful
NATURAL	Natural
VOCAL	Vocal
CUSTOM	Custom
FLAT	Flat
S-BASS	Super bass

- **CUSTOM** is an adjusted equalizer curve that you create.

Audio Adjustments

- 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   Display the audio menu.
Refer to *Introduction of audio adjustments* on the previous page.

2   Use MULTI-CONTROL to select P.EQ.

3   Push MULTI-CONTROL left or right to select the equalizer.

Adjusting equalizer curves

The factory supplied equalizer curves can be adjusted to a fine degree (nuance control).

1   Display the audio menu.
Refer to *Introduction of audio adjustments* on the previous page.

2   Use MULTI-CONTROL to select EQ (equalizer adjustment).

3   Push MULTI-CONTROL left or right to select the equalizer band to adjust.
LOW (low)—**MID** (mid)—**HIGH** (high)

4   Push MULTI-CONTROL up or down to adjust the level of the equalization band.
+6 to **–6** is displayed as the level is increased or decreased.
■ You can then select another band and adjust the level.

Fine-adjusting equalizer curve

You can adjust the center frequency and the Q factor (curve characteristics) of each currently selected curve band (**LOW**/**MID**/**HI**).
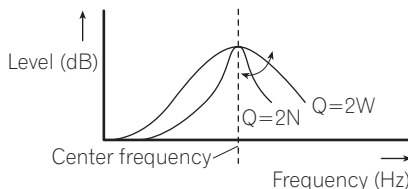
1   Display the audio menu.
Refer to *Introduction of audio adjustments* on the previous page.

2   Use MULTI-CONTROL to select EQ (equalizer fine adjustment).

3   Push MULTI-CONTROL left or right to select the frequency to adjust.
Low: **40HZ**—**80HZ**—**100HZ**—**160HZ**
Mid: **200HZ**—**500HZ**—**1KHZ**—**2KHZ**
High: **3KHZ**—**8KHZ**—**10KHZ**—**12KHZ**

4   Push MULTI-CONTROL up or down to adjust the Q factor.
2W—**1W**—**1N**—**2N** ■

Adjusting loudness

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

1   Display the audio menu.
Refer to *Introduction of audio adjustments* on the previous page.

2   Use MULTI-CONTROL to select LOUDNESS.

3   Press MULTI-CONTROL to turn loudness on.
Loudness level (e.g., **MID**) appears in the display.
■ To turn loudness off, press **MULTI-CONTROL** again.

Audio Adjustments

Audio Adjustments

4   Push MULTI-CONTROL left or right to select the desired level.
LOW (low)—**MID** (mid)—**HIGH** (high) ◼

Using subwoofer output

This unit is equipped with a subwoofer output which can be turned on or off.
Also, phase can be selected between normal and reverse.

1   Press SW/BASS to display the subwoofer setting mode.
Press **SW**/**BASS** repeatedly to switch between the subwoofer setting modes in the following order.
SUB W1 (subwoofer on/off setting) setting mode—**SUB W2** (subwoofer setting) setting mode

2   Select SUB W1 setting mode.

3   Press MULTI-CONTROL to turn subwoofer output on.
NORMAL appears in the display. Subwoofer output is now on.
▪ To turn subwoofer output off, press **MULTI-CONTROL** again.

4   Push MULTI-CONTROL left or right to select the phase of subwoofer output.
Push **MULTI-CONTROL** left to select reverse phase and **REV** appears in the display. Push **MULTI-CONTROL** right to select normal phase and **NORMAL** appears in the display.

📝 Note

You can also switch to this setting mode in the menu that appears by using **MULTI-CONTROL**.

Adjusting subwoofer settings

When the subwoofer output is on, you can adjust the cut-off frequency and the output level of the subwoofer.
• When the subwoofer output is on, you can select **SUB W2**.

1   Press SW/BASS to display the subwoofer setting mode.
Press **SW**/**BASS** repeatedly to switch between the subwoofer setting modes in the following order.
SUB W1 (subwoofer on/off setting) setting mode—**SUB W2** (subwoofer setting) setting mode

2   Select SUB W2 setting mode.

3   Push MULTI-CONTROL left or right to select cut-off frequency.
50—**63**—**80**—**100**—**125** (Hz)
Only frequencies lower than those in the selected range are outputted from the subwoofer.

4   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.

📝 Note

You can also switch to this setting mode in the menu that appears by using **MULTI-CONTROL**. ◼

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   Display the audio menu.
Refer to *Introduction of audio adjustments* on page 38.

2   Use MULTI-CONTROL to select HPF.

3 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.

4 Push MULTI-CONTROL left or right to select cut-off frequency.
50—63—80—100—125 (Hz)
Only frequencies higher than those in the selected range are output from the front or rear speakers. ■

Boosting the bass

Bass boost function boosts the bass level of sound.

1 Press and hold SW/BASS to display BASS BOOST setting mode.

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

✎ Note

You can also switch to this setting mode in the menu that appears by using **MULTI-CONTROL**. ■

Adjusting source levels

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

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

2 Display the audio menu.
Refer to *Introduction of audio adjustments* on page 38.

3 Use MULTI-CONTROL to select SLA.

4 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.
+4 to **–4** is displayed as the source volume is increased or decreased.

✎ Note

The MW/LW volume level can also be adjusted with source level adjustments. ■

Audio Adjustments

Adjusting initial settings

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

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

2   Press SRC/OFF and hold until the initial setting menu appears in the display.

3   Turn MULTI-CONTROL to select one of the initial settings.
LANGUAGE (language selection)—**FM STEP** (FM tuning step)—**AUTO PI** (auto PI seek)—**WARNING** (warning tone)—**AUX** (auxiliary input)—**REAR SP** (rear output and subwoofer output)—**EVERSCROLL** (ever scroll)—**BT AUDIO** (Bluetooth audio)—**POWER SAVE** (power save)—**BT MEMORY CLR** (clearing Bluetooth memory)—**S/W UPDATE** (software update)
Use the following instructions to operate each particular setting.
■ To cancel initial settings, press **BAND/ESC**. ▣

Selecting the language

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

1   Display the initial setting menu.
Refer to *Adjusting initial settings* on this page.

2   Use MULTI-CONTROL to select LANGUAGE in the initial setting menu.

3   Push MULTI-CONTROL left or right to select the language.
ENG (English)—**РУССКИИ** (Russian)—**ESPANOL** (Spanish)

4   Press MULTI-CONTROL to determine the selection. ▣

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   Display the initial setting menu.
Refer to *Adjusting initial settings* on this page.

2   Use MULTI-CONTROL to select FM STEP in the initial setting menu.

3   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.
■ 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   Display the initial setting menu.
Refer to *Adjusting initial settings* on this page.

2   Use MULTI-CONTROL to select AUTO PI in the initial setting menu.

3   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.

Initial Settings

1   Display the initial setting menu.
Refer to *Adjusting initial settings* on the previous page.

2   Use MULTI-CONTROL to select WARNING in the initial setting menu.

3   Press MULTI-CONTROL to turn warning tone on.
▪ To turn warning tone off, press **MULTI-CONTROL** again. ∎

Switching the auxiliary setting

It is possible to use auxiliary device with this unit. Activate the auxiliary setting when using auxiliary device connected to this unit.

1   Display the initial setting menu.
Refer to *Adjusting initial settings* on the previous page.

2   Use MULTI-CONTROL to select AUX in the initial setting menu.

3   Press MULTI-CONTROL to turn AUX on.
▪ To turn AUX off, press **MULTI-CONTROL** again. ∎

Setting the rear output and subwoofer output

This unit's rear output (rear speaker leads output and RCA rear output) can be used for full-range speaker (**Rear SP :REAR**) or subwoofer (**Rear SP :SUB W**) connection. If you switch the rear output setting to **Rear SP :SUB W**, you can connect a rear speaker lead directly to a subwoofer without using an auxiliary amp. Initially, the unit is set for rear full-range speaker connection (**Rear SP :REAR**).

1   Display the initial setting menu.
Refer to *Adjusting initial settings* on the previous page.

2   Use MULTI-CONTROL to select REAR SP in the initial setting menu.

3   Press MULTI-CONTROL to switch the rear output setting.
Pressing **MULTI-CONTROL** will switch between **Rear SP :REAR** (full-range speaker) and **Rear SP :SUB W** (subwoofer) and that status will be displayed.
▪ When no subwoofer is connected to the rear output, select **Rear SP :REAR** (full-range speaker).
▪ When a subwoofer is connected to the rear output, select **Rear SP :SUB 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 40).
• 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 ever scroll

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

1   Display the initial setting menu.
Refer to *Adjusting initial settings* on the previous page.

2   Use MULTI-CONTROL to select EVERSCROLL in the initial setting menu.

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

Activating the BT AUDIO source

You need to activate the **BT AUDIO** source in order to use a Bluetooth audio player.
This setting is set to on by default. If you do not use **BT AUDIO**, you can turn it off.

1   Display the initial setting menu.
Refer to *Adjusting initial settings* on page 42.

**2   Use MULTI-CONTROL to select
BT AUDIO in the initial setting menu.**

**3   Press MULTI-CONTROL to turn the
BT AUDIO source on.**
▪ To turn the **BT AUDIO** source off, press
MULTI-CONTROL again. ▪

Saving the battery consumption

Switching this function on enables you to save the consumption of battery power.
• Operations other than turning on the source are not allowed when this function is on.

🔧 Important

• If the battery in your vehicle is disconnected, the Power Save mode is canceled. Turn on Power Save again once the battery has been reconnected. If the ignition switch in your vehicle doesn't have an ACC (accessory) position, it is possible depending on the connection method that when Power Save is off, the unit will draw power from the battery.
• When the Power Save is on, calls cannot be received with this unit.

**1   Use MULTI-CONTROL to select
POWER SAVE in the initial setting menu.**
Refer to *Adjusting initial settings* on page 42.

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

Resetting the Bluetooth wireless technology module

Bluetooth telephone and Bluetooth Audio data can be deleted. To protect personal information, we recommend deleting this data before transferring the unit to other persons. The following settings will be deleted.
• phone book entries on the Bluetooth telephone
• registration assignment of Bluetooth telephone
• call history of Bluetooth telephone
• history of the most recently connected Bluetooth audio

1   Display the initial setting menu.
Refer to *Adjusting initial settings* on page 42.

**2   Use MULTI-CONTROL to select
BT MEMORY CLR.**

**3   Push MULTI-CONTROL right to show a
confirmation display.**
YES is displayed. Clearing memory is now on standby.
▪ If you do not want to reset phone memory, push **MULTI-CONTROL** left. The display reverts.

**4   Press MULTI-CONTROL to clear the
memory.**
CLEARED is displayed and the settings are deleted. ▪

Updating the software about Bluetooth connection

This function is used to update this unit with the latest software. For about software and updating, refer to our website.

🔧 Important

Never turn the unit off while the software is being updated.

1   Display the initial setting menu.
Refer to *Adjusting initial settings* on page 42.

**2 Use MULTI-CONTROL to select
S/W UPDATE.**

**3 Press MULTI-CONTROL to display the
data transfer mode.**

▪ To finish the updating, follow the on-screen in-
structions. ▣

Using the AUX source

You can connect an auxiliary device to this
unit using a stereo mini plug cable.

● **Insert the stereo mini plug into the
input jack on this unit.**
For more details, refer to *What's what* on page
8.

Selecting AUX as the source

● **Press SRC/OFF 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 43.

Setting the AUX title

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

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

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

SMS (Short Message
Service) Reception
Notification Function

When an SMS is received by the connected
cellular phone, a message is displayed for 8
seconds to notify you of the reception. A beep
tone also sounds at that time.

✐ Note

When an SMS is received while a menu screen is
displayed, the display of the menu is
cancelled. ▣

Additional Information

Troubleshooting

Bluetooth audio/telephone

Symptom	Cause	Action
The audio of the Bluetooth audio source is not played back.	A Bluetooth-connected cellular phone is currently in a phone call.	The audio will be played back when the call is completed.
	A Bluetooth-connected cellular phone is currently in operation.	Do not operate the cellular phone at this time.
	A call was made with a Bluetooth-connected cellular phone and then immediately terminated. As a result, communication between this unit and the cellular phone was not terminated properly.	Reconnect the Bluetooth connection between this unit and the cellular phone.

◻

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.
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 audio player/USB memory

Message	Cause	Action
NO AUDIO	No songs	Transfer the audio files to the USB portable audio player/USB memory and connect.
	USB memory with security enabled is connected	Follow the USB memory 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.
SKIPPED	The connected USB portable audio player/USB memory 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 on the connected USB portable audio player/USB memory are protected by Windows Media DRM 9/10	Transfer audio files not protected by Windows Media DRM 9/10 to the USB portable audio player/USB memory and connect.

Additional Information

Additional Information

NOT COMPA-TIBLE	The USB device connected to is not supported by this unit.	Connect a USB portable audio player or USB memory 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 portable audio player/USB memory consumes more than 500 mA (maximum allowable current).	Disconnect the USB portable audio player/USB memory and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect the compliant USB portable audio player/USB memory.
ERROR-19	Communication failure	Perform one of the following operations. –Turn the ignition switch OFF and back ON. –Disconnect the USB portable audio player/USB memory. –Change to a different source. Then, return to the USB portable audio player/USB memory.
ERROR-23	USB device is not formatted with FAT16 or FAT32	USB device should be formatted with FAT16 or FAT32.

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.

Additional Information

Bluetooth audio/telephone

Message	Cause	Action
ERROR-10	Power failure of the Bluetooth module of this unit	Turn the ignition switch OFF and then to ACC or ON. If the error message is displayed again after the action, please contact your dealer or an authorized Pioneer Service Station.

▣

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.
• 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. ▣

Additional Information

Additional Information

Compressed audio compatibility

WMA
- Compatible format: WMA encoded by Windows Media Player
- File extension: .wma
- Bit rate: 5 kbps to 320 kbps (CBR), VBR
- Sampling frequency: 8 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: 8 kHz to 48 kHz (32, 44.1, 48 kHz for emphasis)
- Compatible ID3 tag version: 1.0, 1.1, 2.2, 2.3 (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
- Bit rate: 8 kbps to 320 kbps
- Sampling frequency: 8 kHz to 44.1 kHz
- Transmission rate: 16 kbps to 320 kbps
- Apple Lossless: No

WAV
- File extension: .wav
- Compatible format: Linear PCM (LPCM), MS ADPCM
- 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) ◼

Handling guideline and supplemental information
- There may be a slight delay when starting playback of audio files encoded with image data.

- Only 32 characters from beginning can be displayed as a file name (including the file extension) or a folder name.
- The text information of some audio files may not be correctly displayed.
- This unit may not operate correctly depending on the application used to encode WMA files.
- 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

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.

USB audio player/USB memory
⚠ 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.

- This unit can play back files in the USB portable audio player/USB memory that is USB Mass Storage Class. However, copyright protected files that are stored in the USB devices cannot be played back.
- You cannot connect a USB portable audio player/USB memory to this unit via a USB hub.
- Partitioned USB memory is not compatible with this unit.

Additional Information

- Depending on the kind of USB portable audio player/USB memory you use, this unit may not recognize the USB audio player/USB memory or audio files may not be played back properly.
- Do not leave the USB portable audio player/USB memory in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in USB portable audio player/USB memory malfunction due to the resulting high temperature.
- Do not leave the USB portable audio player/USB memory in high temperature.
- Firmly secure the USB portable audio player/USB memory when driving. Do not let the USB portable audio player/USB memory fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- Depending on the USB devices connected to this unit, it may generate noise in the radio.
- There may be a slight delay when starting playback of audio files on a USB portable audio player/USB memory with numerous folder hierarchies.
- Do not connect anything other than the USB portable audio player/USB memory.
- Operations may vary depending on the kind of USB audio player and a USB memory. ◼

Example of a hierarchy

☐: Folder
♫: Compressed audio file

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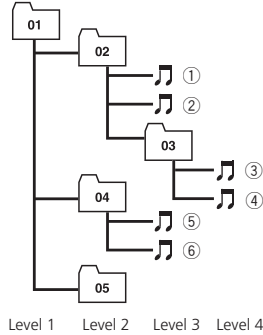
The sequence of audio files on the disc

- 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.
- Up to 999 files on a CD (-R/-RW) can be played back.
- Up to 99 folders on a disc can be played back.

The sequence of audio files on USB memory

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 device.
- To specify the playback sequence, the following method is recommended.

Additional Information

En (51)

Additional Information

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 device.
However, depending on the system environment, you cannot specify the file playback sequence.
• Up to 65 535 files on a USB portable audio player/USB memory can be played back.
• Up to 6 000 folders on a USB portable audio player/USB memory can be played back. ▣

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 3G (software version 2.0)
— iPhone (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 (CD-IU50) is required. For details, consult your dealer. ▣

About handling the iPod

⚠ CAUTION
• Pioneer accepts no responsibility for data lost on the iPod even if that data is lost while using this unit.
• 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.
• 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

• When an iPod is connected, this unit changes the EQ (equalizer) setting of the iPod to Flat in order to optimize the acoustics. When you disconnect the iPod, the EQ returns to the original setting.
• 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. ▣

Bluetooth profiles

• In order to use Bluetooth wireless technology, devices must be able to interpret certain profiles. This unit is compatible with the following profiles.
— A2DP (Advanced Audio Distribution Profile)
— AVRCP (Audio/Video Remote Control Profile)
— GAP (Generic Access Profile)
— SDP (Service Discovery Protocol)
— OPP (Object Push Profile)
— HFP (Hands Free Profile)
— PBAP (Phone Book Access Profile)
— SPP (Serial Port Profile) ▣

Additional Information

Russian character chart

Display	Character	Display	Character
Я	А	Б	Б
В	В	Г	Г
Д	Д	Е	Е, Ё
Ж	Ж	З	З
И	И, й	К	К
Л	Л	М	М
Н	Н	О	О
П	П	Р	Р
С	С	Т	Т
У	У	Ф	Ф
Х	Х	Ц	Ц
Ч	Ч	Ш	Ш, Щ
'	Ъ	Ы	Ы
Ь	Ь	Э	Э
Ю	Ю	Я	Я

◼

Greek character chart

Display	Character	Display	Character
Α	Α	Β	Β
Γ	Γ	Δ	Δ
Ε	Ε	Ζ	Ζ
Η	Η	Θ	Θ
Ι	Ι	Κ	Κ
Λ	Λ	Μ	Μ
Ν	Ν	Ξ	Ξ
Ο	Ο	Π	Π
Ρ	Ρ	Σ	Σ
Τ	Τ	Υ	Υ
Φ	Φ	Χ	Χ
Ψ	Ψ	Ω	Ω

◼

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Additional Information

Additional Information

MP3

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Bluetooth

Bluetooth®

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• Bluetooth is a short-range wireless radio connectivity technology that is developed as a cable replacement for mobile phones, handheld PCs and other devices. Bluetooth operates in 2.4 GHz frequency range and transmits voice and data at speeds up to 1 megabit per second. Bluetooth was launched by a special interest group (SIG) that comprises of Ericsson Inc., Intel Corp., Nokia Corp., Toshiba and IBM in 1998, and it is currently developed by nearly 2 000 companies worldwide.

iPod

Made for **iPod**

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

iPhone

Works with **iPhone**

iPhone is a trademark of Apple Inc.

iTunes

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

Additional Information

Specifications

General

Power source .... 14.4 V DC (12.0 V to 14.4 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 × 24 mm
D
Chassis .... 178 mm × 50 mm × 162 mm
Nose .... 170 mm × 46 mm × 24 mm
Weight .... 1.3 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 .... 2.2 V
Equalizer (3-Band Parametric Equalizer):
Low
Frequency .... 40/80/100/160 Hz
Q Factor .... 0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain .... ±12 dB
Mid
Frequency .... 200/500/1k/2k Hz
Q Factor .... 0.35/0.59/0.95/1.15 (+6 dB when boosted)
Gain .... ±12 dB
High
Frequency .... 3.15k/8k/10k/12.5k Hz
Q Factor .... 0.35/0.59/0.95/1.15 (+6 dB when boosted)
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 (0.8 μV/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 μV (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 μV (S/N: 20 dB)
Signal-to-noise ratio .... 62 dB (IEC-A network)

Bluetooth

Version .... Bluetooth 2.0 + EDR certified
Output power .... +4 dBm Max.
(Power class 2)

✎ Note

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

http://www.pioneer.eu

Visit **www.pioneer.co.uk** (or **www.pioneer.eu**) to register your product.

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