

# Operation Manual

# Manual de instrucciones

CD RDS RECEIVER

REPRODUCTOR DE CD CON RECEPTOR RDS

# DEH-P800BT



# Declaration of Conformity with regard to the R&TTE Directive 1999/5/EC

Manufacturer:

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English:

Hereby, Pioneer, declares that this DEH-P800BT is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Suomi:

Pioneer vakuuttaa täten että DEH-P800BT tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Nederlands:

Hierbij verklaart Pioneer dat het toestel DEH-P800BT in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG

Français:

Par la présente Pioneer déclare que l'appareil DEH-P800BT est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE

Svenska:

Härmed intygar Pioneer att denna DEH-P800BT står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Dansk:

Undertegnede Pioneer erklærer herved, at følgende udstyr DEH-P800BT overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF

Deutsch:

Hiermit erklärt Pioneer, dass sich dieses DEH-P800BT in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet". (BMW)

Ελληνικά:

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Pioneer ΔΗΛΩΝΕΙ ΟΤΙ DEH-P800BT ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/EK

Italiano:

Con la presente Pioneer dichiara che questo DEH-P800BT è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Español:

Por medio de la presente Pioneer declara que el DEH-P800BT cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE

Português:

Pioneer declara que este DEH-P800BT está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Čeština:

Pioneer tímto prohlašuje, že tento DEH-P800BT je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES

Eesti:

Käesolevaga kinnitab Pioneer seadme DEH-P800BT vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

Magyar:

Alulírott, Pioneer nyilatkozom, hogy a DEH-P800BT megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

Latviešu valoda:

Ar šo Pioneer deklarē, ka DEH-P800BT atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

Lietuvių kalba:

Šiuo Pioneer deklaruojama, kad šis DEH-P800BT atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Malti:

Hawnhekk, Pioneer jiddikjara li dan DEH-P800BT jikkonforma mal-htigijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Dirrettiva 1999/5/EC

Slovenčina:

Pioneer týmto vyhlasuje, že DEH-P800BT spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

Slovenščina:

Pioneer izjavlja, da je ta DEH-P800BT v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

Română:

Prin prezenta, Pioneer declara ca acest DEH-P800BT este in conformitate cu cerintele esentiale si alte prevederi ale Directivei 1999/5/EU.

Български:

С настоящето, Pioneer декларира, че този DEH-P800BT отговаря на основните изисквания и други съответни постановления на Директива 1999/5/EC.

Polski:

Niniejszym Pioneer oświadcza, że DEH-P800BT jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC

Norsk:

Pioneer erklærer herved at utstyret DEH-P800BT er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

Íslenska:

Hér með lýsir Pioneer yfir því að DEH-P800BT er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC

## Thank you for buying this Pioneer product.

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

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## Before You Start



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 overheating could result from contact with liquids.
- "CLASS 1 LASER PRODUCT"  
This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.

- The Pioneer CarStereo-Pass is for use only in Germany.
- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so that you can hear sounds from outside the vehicle.
- Protect this unit from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.

### About WMA



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

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

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

- This unit may not operate correctly depending on the application used to encode WMA files.

### About MP3

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

## Before You Start

### About AAC

AAC is short for Advanced Audio Coding and refers to an audio compression technology standard used with MPEG 2 and MPEG 4. Several applications can be used to encode AAC files, but file formats and extensions differ depending on the application which is used to encode.

This unit plays back AAC files encoded by iTunes®.

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

### About Bluetooth



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.

- The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Pioneer Corporation is under license. Other trademarks and trade names are those of their respective owners.

### iPod® compatibility

This unit can control and listen to songs on an iPod.

- This unit supports only the following iPods. Supported iPod software versions are shown below. Older versions of iPod software may not be supported.
  - iPod third generation (software version 2.3.0)

- iPod fourth generation (software version 3.1.1)
- iPod photo (software version 1.2.1)
- iPod fifth generation (software version 1.2.1)
- iPod mini (software version 1.4.1)
- iPod nano first generation (software version 1.3.1)
- iPod nano second generation (software version 1.1.3)
- iPod nano third generation (software version 1.0.2)
- iPod classic (software version 1.0.1)
- iPod touch (software version 1.1.1)
  - Music files on iPod touch can be played back.
- When using an iPod, Interface Cable for iPod (e.g., CD-I200) is required.
- Operations may vary depending on the software version of iPod.
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries. ■

## Operating environment

This unit should be used within the temperature ranges shown below.

Operating temperature range: -10 °C to +60 °C (14 °F to 140 °F)

EN300328 ETC test temperature: -20 °C and +55 °C (-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. ■

## Before You Start

### In case of trouble

Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station. ■

### Protecting your unit from theft

The front panel can be detached to deter theft.

- If the front panel is not detached from the head unit within five seconds of turning off the ignition, a warning tone will sound and the front panel will open.
- You can turn off the warning tone. See *Switching the warning tone* on page 50.
- You can turn off the face auto open. See *Switching the face auto open* on page 50.

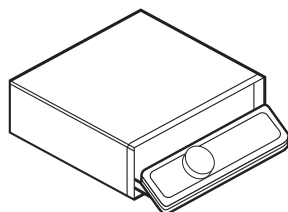


#### Important

- 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.
- A few seconds after turning the ignition switch to on or off, the front panel automatically moves. When this happens, your fingers may become jammed in the panel, so keep your hands away from it.

### Removing the front panel

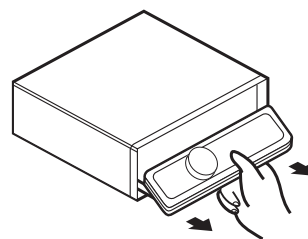
- 1 Press and hold OPEN to open the front panel.



- 2 Slide and remove the front panel toward you.

Take care not to grip it too tightly or to drop the front panel and protect it from contact

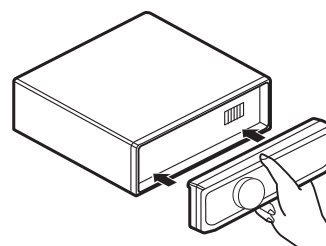
with water or other fluids to prevent permanent damage.



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

### Attaching the front panel

- 1 Make sure the inner cover is closed.
- 2 Replace the front panel by clipping it into place.





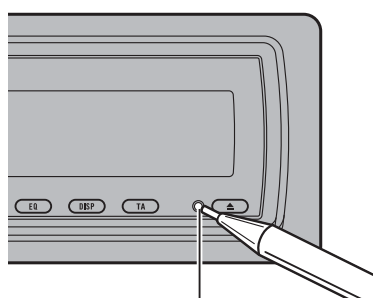
## Before You Start

### 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

- **Press RESET with a pen tip or other pointed instrument.**



RESET button



### About the demo mode

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



#### Important

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

#### Reverse mode

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

#### Feature demo mode

The feature demo automatically starts when power to this unit is turned off while the igni-

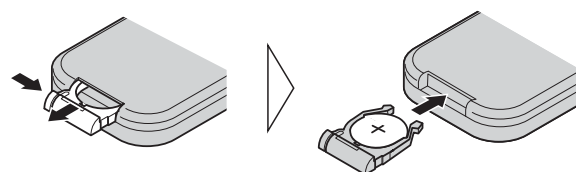
tion switch is set to ACC or ON. Press **DISPLAY** during feature demo operation to cancel the feature demo mode. Press **DISPLAY** again to start. Remember that if the feature demo continues operating when the car engine is turned off, it may drain battery power. ■

### Use and care of the remote control

#### Installing the battery

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

- When using for the first time, pull out the film protruding from the tray.



#### WARNING

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



#### CAUTION

- Use one **CR2025 (3 V)** lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

## Using the remote control

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

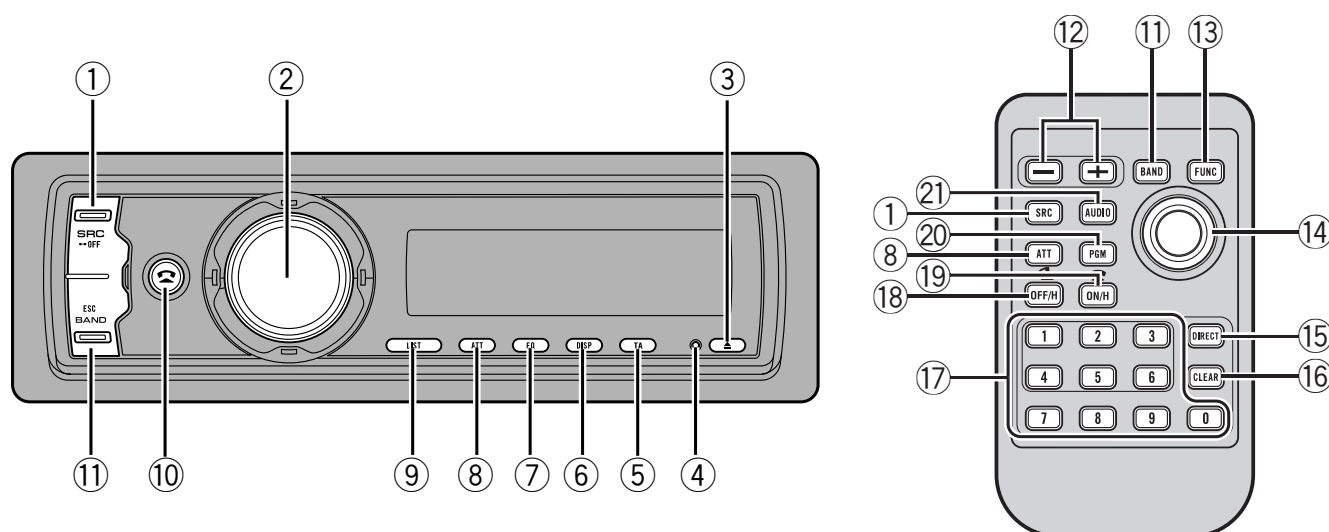
- The remote control may not function properly in direct sunlight.



### Important

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

## Operating this unit



## What's What

### Head unit

#### ① SOURCE button

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

#### ② MULTI-CONTROL

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

#### ③ EJECT button

Press to eject a CD from your built-in CD player. Press and hold to open or close the front panel.

#### ④ RESET button

Press to reset the microprocessor.

#### ⑤ TA/NEWS button

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

#### ⑥ DISPLAY button

Press to select different displays.

#### ⑦ EQ button

Press to select various equalizer curves.

#### ⑧ ATT button

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

#### ⑨ LIST button

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.

#### ⑩ PHONE button

Press to select the phone as the source. While operating a phone source, press to end a call, reject an incoming call or cancel making a call.

#### ⑪ BAND button

Press to select among three FM bands and MW/LW bands and to cancel the control mode of functions.

## Remote control

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

#### ⑫ VOLUME buttons

Press to increase or decrease the volume.

## Operating this unit

### ⑬ **FUNCTION button**

Press to select functions.

### ⑭ **Thumb pad**

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

Functions are the same as

**MULTI-CONTROL** except for volume control.

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.

### ⑮ **DIRECT button**

Press to directly select the desired track.

While operating the phone source, press to directly enter a phone number.

### ⑯ **CLEAR button**

Press to cancel the input number when **0** to **9** are used.

### ⑰ **0 to 9 buttons**

Press to directly select the desired track, preset tuning or disc. Buttons **1** to **6** can operate the preset tuning for the tuner or disc number search for the multi-CD player.

### ⑱ **OFF HOOK button**

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


### ⑲ **ON HOOK button**

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

### ⑳ **PGM button**

Press to operate the preprogrammed functions for each source. (Refer to *Using the PGM button* on page 56.)

### ㉑ **AUDIO button**

Press to select various sound quality controls. 

## Basic Operations

### Power ON/OFF

#### Turning the unit on

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

#### Turning the unit off

- Press **SOURCE** 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 19).

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

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

**Tuner—Television—DVD player/Multi-DVD player—Built-in CD player—Multi-CD player—iPod—USB—External unit 1—External unit 2—AUX1—AUX2—BT Audio—BT Telephone**



#### Notes

- In the following cases, the sound source will not change.
  - When no unit corresponding to the selected source is connected.
  - When there is no disc or magazine in the player.
  - When AUX (auxiliary input) is set to off (refer to page 50).
  - When the **BT Audio** source is set to off (refer to *Activating the BT Audio source* on page 52).
- AUX1 is set to on by default. Turn off the AUX1 when not in use (refer to *Switching the auxiliary setting* on page 50).

## Operating this unit

- External unit refers to a Pioneer product (such as ones available in the future) that, although incompatible as a source, enables control of basic functions with this unit. Two external units can be controlled with this unit. When two external units are connected, the external unit is automatically allocated to external unit 1 or external unit 2 by this unit.
- 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

- Use **MULTI-CONTROL** to adjust the sound level. ■

## Tuner

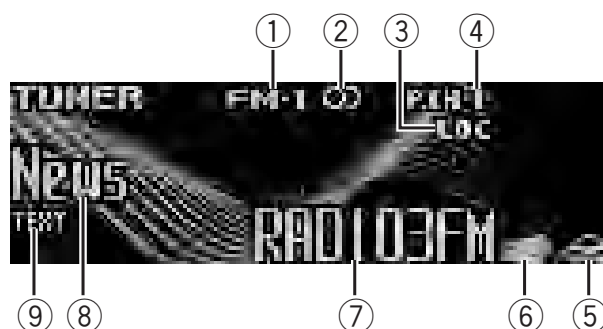
### Basic Operations

This unit's AF (alternative frequencies search) function can be turned on and off. AF should be off for normal tuning operation (refer to page 15).

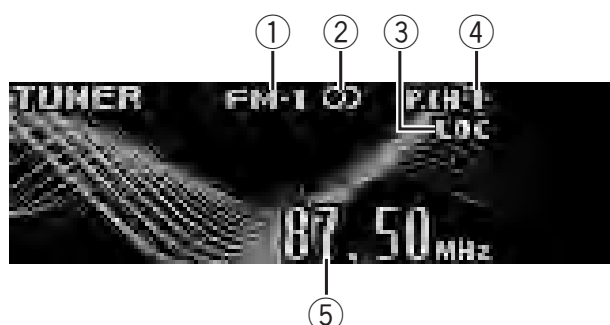
### RDS

RDS (radio data system) contains inaudible information that helps search for the radio stations.

- 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.



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

**Non-RDS or MW/LW**

- ① Band indicator
- ②  $\odot$  (stereo) indicator  
Appears when the selected frequency is being broadcast in stereo.
- ③ **LOC** indicator  
Appears when local seek tuning is on.
- ④ Preset number indicator
- ⑤ Frequency indicator

**1 Press SOURCE to select the tuner.****2 Press BAND to select a band.**

Press **BAND** until the desired band is displayed, **FM-1**, **FM-2**, **FM-3** for FM or **MW/LW**.

**3 To perform manual tuning, push MULTI-CONTROL left or right.****4 To perform seek tuning, push and hold MULTI-CONTROL left or right for about one second and release.**

The tuner will scan the frequencies until a broadcast strong enough for good reception is found.

- You can cancel seek tuning by 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**.

**Note**

Listening MW radio while connecting iPod to this unit may generate noise. In this case, disconnect iPod from this unit and noise is disappeared.

**Storing and recalling broadcast frequencies**

You can easily store up to six broadcast frequencies for later recall.

- Up to 18 FM stations, six for each of the three FM bands, and six MW/LW stations can be stored in memory.

**1 When you find a frequency that you want to store in memory press LIST.****2 Use MULTI-CONTROL to store the selected frequency in memory.**

Turn to change the preset number. Press and hold to store.

The preset number you have selected will flash and then remain lit. The selected radio station frequency has been stored in memory.

**3 Use MULTI-CONTROL to select the desired station.**

Turn to change the station. Press to select.

- You can also change the station by pushing **MULTI-CONTROL** up or down.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

**Using the remote control****● When you find a frequency that you want to store in memory, press one of preset tuning buttons 1 to 6 and hold until the preset number stops flashing.**

The number you have pressed will flash in the preset number indicator and then remain lit. The selected radio station frequency has been stored in memory.

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

- You can also recall radio station frequencies assigned to preset tuning numbers by pushing **MULTI-CONTROL** up or down during the frequency display.

## Operating this unit

### Introduction to advanced operations

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

**FUNCTION**, **AUDIO** and **ENTERTAINMENT** appear on the display.

**2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

The function name appears on the display.

**3 Turn MULTI-CONTROL to select the function.**

Turn **MULTI-CONTROL** to switch between the functions in the following order.

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

**PTY search** (program type selection)—

**Traffic Announce** (traffic announcement standby)—

**Alternative FREQ** (alternative frequencies search)—**News interrupt** (news program interruption)

- You can also select the function by pressing **FUNCTION** on the remote control.

- If MW/LW band is selected, you can only select **BSM** or **Local**.

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

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

### Storing the strongest broadcast frequencies

BSM (best stations memory) lets you automatically store the six strongest broadcast frequencies under **1** to **6** on the remote control and once stored there you can tune in to those frequencies with the touch of a button.

- Storing broadcast frequencies with BSM may replace broadcast frequencies you have saved using **1** to **6** on the remote control.

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

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

The six strongest broadcast frequencies are stored in the order of their signal strength.

- To cancel the storage process, press **MULTI-CONTROL** again.

**3 Use MULTI-CONTROL to select the desired station.**

Turn to change the station. Press to select.

- You can also change the station by pushing **MULTI-CONTROL** up or down.

### Tuning in strong signals

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

**1 Use MULTI-CONTROL to select Local in the function menu.**

**2 Press MULTI-CONTROL to turn local seek tuning on.**

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

**3 Push MULTI-CONTROL left or right to set the sensitivity.**

There are four levels of sensitivity for FM and two levels for MW/LW:

FM: **Level 1—Level 2—Level 3—Level 4**

MW/LW: **Level 1—Level 2**

The **Level 4** 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 Use MULTI-CONTROL to select Alternative FREQ in the function menu.**

## Operating this unit

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

- To turn AF 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.
- Sound may be temporarily interrupted by another program during an AF frequency search.
- 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, as when travelling long distances, the unit can be set to perform PI Seek during preset recall.

- The default setting for Auto PI Seek is off. See *Switching Auto PI Seek* on page 49.

### Limiting stations to regional programming

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

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

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

- To turn the regional function off, press **MULTI-CONTROL** again.



#### Notes

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

## Receiving traffic announcements

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

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

The TP () indicator will light.

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

- To turn traffic announcements standby off, press **TA/NEWS** again.

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

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

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

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



## Operating this unit



### Notes

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

## Using PTY functions

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

### Searching for an RDS station by PTY information

You can search for general types of broadcasting programs, such as those listed on the next page.

- 1 Use **MULTI-CONTROL** to select **PTY search** in the function menu.
- 2 Push **MULTI-CONTROL** left or right to select a program type.  
**News&Inf—Popular—Classics—Others**
- 3 Press **MULTI-CONTROL** to begin the search.

The unit searches for a station broadcasting that program type. When a station is found, its program service name is displayed.

PTY (program type ID code) information is listed on 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 program you searched for, **Not found** is displayed for about two seconds and then the tuner returns to the original station.

## Using news program interruption

When a news program is broadcast from a PTY code news station, the unit can switch from any station to the news broadcast station. When the news program ends, reception of the previous program resumes.

- Press **TA/NEWS** and hold to turn on news program interruption.

News program interruption standby is now on.

- 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**.

## 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**.

## Using radio text

This tuner can display radio text data transmitted by RDS stations, such as station information, the name of the currently broadcast song and the name of the artist.

- The tuner automatically memorizes the three latest radio text broadcasts received, replacing text from the least recent reception with new text when it is received.

## Displaying radio text

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

## Operating this unit

### 1 Press **DISPLAY** and hold to display radio text.

Radio text for the currently broadcasting station is displayed.

- You can cancel radio text display by pressing **DISPLAY** or **BAND**.
- When no radio text is received, **No text** appears in the display.

### 2 Push **MULTI-CONTROL** left or right to recall the three most recent radio texts.

Pushing **MULTI-CONTROL** left or right switches between the current and the three radio text data displays.

- If there is no radio text data in memory the display will not change.

### 3 Push **MULTI-CONTROL** up or down to scroll.

Push **MULTI-CONTROL** up to go to the beginning. Push **MULTI-CONTROL** down to scroll the radio text data.

## Storing and recalling radio text

You can store data from up to six radio text transmissions for buttons **1** to **6** on the remote control.

### 1 Display the radio text you want to store in memory.

Refer to *Displaying radio text* on the previous page.

### 2 Press and hold any buttons **1** to **6** on the remote control to store the selected radio text.

The memory number will display and the selected radio text will be stored in memory. The next time you press the same button on the remote control in the radio text display the stored text is recalled from memory.

## PTY list

General	Specific	Type of program
News&Inf	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
Classics	Folk mus	Folk music
	L. Class	Light classical music
	Classic	Classical music

## Operating this unit

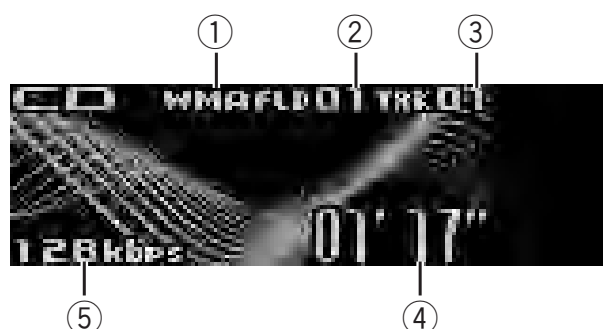
Others	<b>Educate</b>	Educational programs
	<b>Drama</b>	Radio plays and serials
	<b>Culture</b>	National or regional culture
	<b>Science</b>	Nature, science and technology
	<b>Varied</b>	Light entertainment
	<b>Children</b>	Children's
	<b>Social</b>	Social affairs
	<b>Religion</b>	Religious affairs or services
	<b>Phone In</b>	Phone in
	<b>Touring</b>	Travel programs; not for traffic announcements
	<b>Leisure</b>	Hobbies and recreational activities
	<b>Document</b>	Documentaries



## Built-in CD Player

### Basic Operations

The built-in CD player can play back audio CD (CD-DA) and compressed audio (WMA/MP3/AAC/WAV) recorded on CD-ROM. (Refer to page 68 for files that can be played back.) Read the precautions for discs and player on page 67.

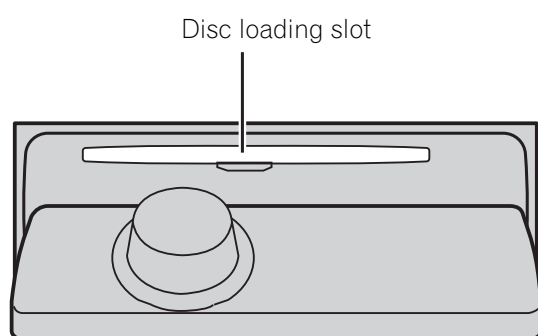


- ① **WMA/MP3/AAC/WAV** indicator  
Shows the type of audio file currently playing when the compressed audio is playing.
- ② Folder number indicator  
Shows the folder number currently playing when the compressed audio is playing.
- ③ Track number indicator
- ④ Play time indicator
- ⑤ Bit rate/sampling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

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

Disc loading slot appears.

## Operating this unit



### 2 Insert a CD (CD-ROM) into the disc loading slot.

Front panel is closed automatically, and playback will start.

- **Be sure to turn up the label side of a disc.**
- After a CD (CD-ROM) has been inserted, press **SOURCE** to select the built-in CD player.
- You can eject a CD (CD-ROM) by pressing **EJECT**.

### 3 Push MULTI-CONTROL up or down to select a folder when playing a compressed audio.

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

### 4 To perform fast forward or reverse, push and hold MULTI-CONTROL left or right.

- If you select **Rough search**, pushing and holding **MULTI-CONTROL** left or right enables you to search every 10 tracks in the current disc (folder). (Refer to *Searching every 10 tracks in the current disc or folder* on page 22.)

### 5 To skip back or forward to another track, push MULTI-CONTROL left or right.



#### Notes

- 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 such as **ERROR-11** is displayed, refer to *Understanding error messages* on page 66.
- When playing CD-EXTRA or MIXED-MODE CDs, compressed audio and CD-DA can be switched by pressing **BAND**.
- If you have switched between compressed audio and CD-DA, playback starts at the first track on the disc.
- When playing back VBR (variable bit rate) recorded files, elapsed play time may not be displayed correctly.
- When playing compressed audio, there is no sound on fast forward or reverse.
- When a CD TEXT disc is inserted, the disc and track titles automatically begin to scroll in the display. When Ever Scroll is set to ON at the initial setting, the disc and track titles scroll continuously. For more details about Ever Scroll, refer to *Switching the ever scroll* on page 52.
- 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.)
- If you cannot insert a disc completely or if after you insert a disc the disc does not play, check that the label side of the disc is up. Press **EJECT** to eject the disc, and check the disc for damage before inserting it again.
- When the disc loading or ejecting function does not operate properly, you can eject the disc by pressing and holding **EJECT** while opening the front panel.
- Depending on the character sets in the disc, Russian texts may be garbled. About the allowed character sets for Russian texts, refer to *Compressed audio files* on page 68.

## Selecting a track directly

When using the remote control, you can select a track directly by entering the desired track number.

- When audio files are being played back, you can select track in the current folder.

## Operating this unit

### 1 Press **DIRECT**.

Track number input display appears.

### 2 Press 0 to 9 to enter the desired track number.

- You can cancel the input number by pressing **CLEAR**.

### 3 Press **DIRECT**.

The track for the entered number will play.

- After entering the number input mode, if you do not perform an operation within about eight seconds, the mode is automatically canceled.

## Introduction to advanced operations

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

**FUNCTION**, **AUDIO** and **ENTERTAINMENT** appear on the display.

### 2 Use **MULTI-CONTROL** to select **FUNCTION**.

Turn to change the menu option. Press to select.

The function name appears on the display.

### 3 Turn **MULTI-CONTROL** to select the function.

Turn **MULTI-CONTROL** to switch between the functions in the following order.

**Play mode** (repeat play)—**Random mode**

(random play)—**Scan mode** (scan play)—

**Pause** (pause)—**Compression** (compression

and BMX)—**Search mode** (search method)—

**TitleInput "A"** (disc title input)

- You can also select the function by pressing **FUNCTION** on the remote control.
- When playing a CD TEXT disc, you cannot switch to disc title input display. The disc title will have already been recorded on a CD TEXT disc.
- When playing compressed audio disc, you cannot switch to disc title input display.
- To return to the ordinary display, press **BAND**.

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

## Selecting a repeat play range

Repeat play plays the same track/folder within the selected repeat play range.

Also, the repeat range determines the range of random play and scan play.

### 1 Use **MULTI-CONTROL** to select **Play mode** in the function menu.

### 2 Press **MULTI-CONTROL** to select the repeat range.

- **Disc repeat** – Repeat all tracks
- **Track repeat** – Repeat the current track
- **Folder repeat** – Repeat the current folder
- If you select another folder during repeat play, the repeat play range changes to disc repeat.
- When playing CD, performing track search or fast forward/reverse cancels the repeat play automatically.
- When playing compressed audio, performing track search or fast forward/reverse during **Track repeat** (track repeat) changes the repeat play range to folder repeat.
- When **Folder repeat** (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.

Refer to *Selecting a repeat play range* on this page.

### 1 Use **MULTI-CONTROL** to select **Random mode** in the function menu.

### 2 Press **MULTI-CONTROL** to turn random play on.

Tracks play in a random order.

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

## Operating this unit

### Scanning folders and tracks

Scan play searches the song within the selected repeat range.

Refer to *Selecting a repeat play range* on the previous page.

- 1 Use **MULTI-CONTROL** to select **Scan mode** in the function menu.
- 2 Press **MULTI-CONTROL** to turn scan play on.  
The first 10 seconds of each track is played.
- 3 When you find the desired track press **MULTI-CONTROL** to turn scan play off.
  - If the display has automatically returned to the playback display, select **Scan mode** again by using **MULTI-CONTROL**.
  - After scanning of a disc (folder) is finished, normal playback of the tracks begins.

### Pausing disc playback

- 1 Use **MULTI-CONTROL** to select **Pause** in the function menu.
- 2 Press **MULTI-CONTROL** to turn pause on.  
Playback of the current track pauses.
  - To turn pause off, press **MULTI-CONTROL** again.

### Using compression and BMX

Using the COMP (compression) and BMX functions let you adjust the sound playback quality of this unit.

- 1 Use **MULTI-CONTROL** to select **Compression** in the function menu.
- 2 Press **MULTI-CONTROL** to select your favorite setting.  
**COMP/BMX OFF—COMP 1—COMP 2—COMP/BMX OFF—BMX 1—BMX 2**

### Searching every 10 tracks in the current disc or folder

You can switch the search method between fast forward/reverse and searching every 10 tracks. Selecting **Rough search** enables you to search every 10 tracks.

- 1 Use **MULTI-CONTROL** to select **Search mode** in the function menu.
- 2 Press **MULTI-CONTROL** to select **Rough search**.
  - **FF/REV** – Fast forward and reverse
  - **Rough search** – Searching every 10 tracks
  - To select **FF/REV**, press **MULTI-CONTROL** again.
- 3 Press **BAND** to return to the playback display.
- 4 Push and hold **MULTI-CONTROL** left or right to search every 10 tracks on a disc (folder).
  - If the rest of track number is less than 10, pushing and holding **MULTI-CONTROL** recalls the first (last) one.

### Using disc title functions

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

#### Entering disc titles

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

- 1 Play the CD that you want to enter a title for.
- 2 Use **MULTI-CONTROL** to select **TitleInput "A"** in the function menu.

## Operating this unit

### 3 Press **DISPLAY** to select the desired character type.

Press **DISPLAY** repeatedly to switch between the following character types:

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

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

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

### 6 Move the cursor to the last position by pushing **MULTI-CONTROL** right after entering the title.

When you push **MULTI-CONTROL** right one more time, the entered title is stored in memory.

### 7 Press **BAND** to return to the playback display.



#### Notes

- Titles remain in memory, even after the disc is removed from the unit, and are recalled when the disc is reinserted.
- After data for 48 discs are stored in the memory, data for a new disc overwrites the oldest one.
- If you connect a multi-CD player, you can input disc titles for up to 100 discs.
- When a multi-CD player that does not support disc title functions is connected, you cannot enter disc titles in this unit.

## Displaying text information on disc

### ● Press **DISPLAY** to select the desired text information.

#### For title entered CD

Play time—: disc title and play time

#### For CD TEXT discs

Play time—: disc artist name and : track title—: disc artist name and : disc title—: disc title and : track title—: track artist name and : track title—: track title and play time

#### For WMA/MP3/AAC discs

Play time—: folder name and : file name—: artist name and : track title—: artist name and : album title—: album title and : track title—: track title and play time—: comment and play time

#### For WAV

Play time—: folder name and : file name



#### Notes

- You can scroll to the left of the title by pressing and holding **DISPLAY**.
- Audio CD that contains certain information such as text and/or number is CD TEXT.
- If specific information is not recorded on a disc, title or name is not displayed.
- Depending on the version of iTunes® used to write MP3 files onto a disc, comment information may not be correctly displayed.
- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- The sampling frequency shown in the display may be abbreviated.
- When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll* on page 52.

## 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.



## Operating this unit

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

### Selecting tracks 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).

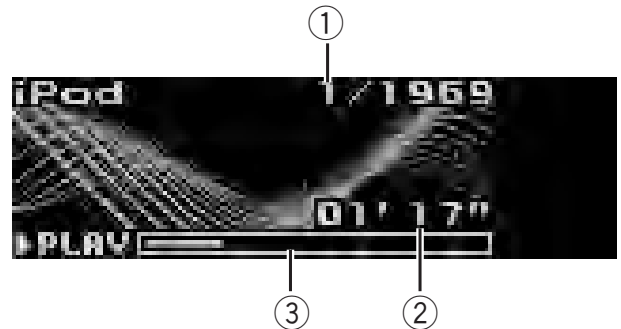
Turn to change the name of file or folder. Press to play. Push right to see a list of the files (or folders) in the selected folder.

- You can also change the name of a file or folder by pushing **MULTI-CONTROL** up or down.
- To return to the previous list (the folder one level higher), push **MULTI-CONTROL** left.
- If the folder/file number is more than 100, last 2-digit of the folder/file number is displayed.
- Number of the folders/files in the currently selected folder will be indicated on the right side of the display.
- If you select a folder and it contains no folders or no files, **NO FILES** is displayed.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display. 

## Playing songs on iPod

### Basic Operations

*You can use this unit to control an iPod by using a cable (e.g., CD-I200), which is sold separately.*



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

#### 1 Connect the iPod to this unit.

Playback will automatically start.

While connected to this unit, **PIONEER** (or ✓ (check mark)) is displayed on the iPod.

- Before connecting the dock connector of this unit to the iPod, disconnect the headphones from the iPod.
- After the iPod has been connected to this unit, press **SOURCE** to select the iPod.
- When removing the iPod from this unit, this unit is turned off.

#### 2 When playing Audiobook or Podcast (with chapter) on iPod, pushing MULTI-CONTROL up or down to select a chapter.

#### 3 To perform fast forward or reverse, push and hold MULTI-CONTROL left or right.

#### 4 To skip back or forward to another song, push MULTI-CONTROL left or right.



#### Notes

- Read the precautions for iPod on page 69.



## Operating this unit

- If an error message such as **ERROR-11** is displayed, refer to *Understanding error messages* on page 66.
- Connect directly the dock connector cable to the iPod so that this unit works properly.
- 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.
- 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.

- If a playlist is selected, first, this unit shows the playlist of your iPod's name. This plays all the songs in your iPod.
- If the characters recorded on the iPod are not compatible with this unit, those characters are not displayed.

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

**2 Use MULTI-CONTROL to select a category.**

Turn to change the category; press to select.

**Playlists** (playlists)—**Artists** (artists)—**Albums** (albums)—**Songs** (songs)—**Podcasts** (podcasts)—**Genres** (genres)—**Audiobooks** (audiobooks)

List for the selected category is displayed.

- You can start playback throughout the selected category by pressing and holding **MULTI-CONTROL**, or pushing **MULTI-CONTROL** right and holding.
- 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 list, push **MULTI-CONTROL** left.

- To go to the top menu of the list search, push and hold **MULTI-CONTROL** left.
- **Podcasts** and **Audiobooks** are displayed when the connected iPod is compatible with the categories.
- If you do not operate the list within about 30 seconds, the list search is cancelled automatically.

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

### Displaying text information on iPod

● **Press DISPLAY to select the desired text information.**

Play time— : artist name and : song title  
— : artist name and : album name— : album name and : song title— : song title and play time

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



#### Notes

- You can scroll the text information to the left by pressing and holding **DISPLAY**.
- 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 52.

### Introduction to advanced operations

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

**FUNCTION, AUDIO** and **ENTERTAINMENT** appear on the display.

**2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

The function name appears on the display.

## Operating this unit

### 3 Turn MULTI-CONTROL to select the function.

Turn **MULTI-CONTROL** to switch between the functions in the following order.

**Play mode** (repeat play)—**Shuffle mode** (shuffle)—**Shuffle all** (shuffle all)—**Pause** (pause)—**Audiobooks** (audiobook speed)

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the playback display, press **BAND**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.

### Repeating play

For playback of the songs on the iPod, there are two repeat play ranges: **Repeat One** (repeat one song) and **Repeat All** (repeat all songs in the list).

- While **Play mode** is set to **Repeat One**, you cannot select other songs.

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

#### 2 Press MULTI-CONTROL to select the repeat range.

- **Repeat One** – Repeat the current song
- **Repeat All** – Repeat all songs in the selected list

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

For playback of songs on the iPod, there are two random play methods: **Shuffle Songs** (play back songs in a random order) and **Shuffle Albums** (play back albums in a random order).

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

#### 2 Press MULTI-CONTROL to select your favorite setting.

- **Shuffle Songs** – Play back songs in the selected list in random order.

- **Shuffle Albums** – Play back songs from a randomly selected album in order.
- **Shuffle OFF** – Cancel random play.

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

This method plays all songs on the iPod randomly.

- **Press and hold MULTI-CONTROL to turn shuffle all on during the playback display.** **Shuffle All** is displayed briefly and all songs on the iPod will play randomly.



#### Note

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

### Pausing a song

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

#### 2 Press MULTI-CONTROL to turn pause on.

Playback of the current song pauses.

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


### Changing audiobook speed

The audiobook playback speed can be changed.

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

#### 2 Press MULTI-CONTROL to select your favorite setting.

Press **MULTI-CONTROL** repeatedly until the desired setting appears in the display.

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

## Operating this unit

### 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:
  - Lower level: Only playing back songs on your audio player is possible.
  - Higher level: Playing back, pausing, selecting songs, etc., are possible (all the operations illustrated in this manual).
- Since there are a number of Bluetooth audio players available on the market, operations with your Bluetooth audio player using this unit vary extensively. Refer to the instruction manual that came with your Bluetooth audio player as well as this manual while operating your player on this unit.
- Information about songs (e.g. the elapsed playing time, song title, song index, etc.) cannot be displayed on this unit.
- While you are listening to songs on your Bluetooth audio player, refrain from using on your cellular phone as much as possible. If you use your cellular phone, the signal from your cellular phone may cause noise on the song playback.
- When you are talking on a cellular phone connected to this unit via Bluetooth wireless technology, song playback from your Bluetooth audio player connected to this unit is muted.
- Even if you are listening to a song on your Bluetooth audio player and you switch to another source, song playback continues.

Even though your audio player does not contain a Bluetooth module, you can still control it from this unit via Bluetooth wireless technology using a Bluetooth adapter (sold separately).



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

### Connecting a Bluetooth audio player

- Before you can use audio players you may need to enter the PIN code into this unit. If your player requires a PIN code to establish a connection, look for the code on the player or in its accompanying documentation. Refer to *Entering PIN code for Bluetooth wireless connection* on page 52.

### Using a Bluetooth audio player to initiate a connection

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

**CONNECTION, FUNCTION, AUDIO and ENTERTAINMENT** appear on the display.

**2 Use MULTI-CONTROL to select CONNECTION.**

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select BT Audio 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 audio player*.

## Operating this unit

**4 Use MULTI-CONTROL to select a group.**  
Push **MULTI-CONTROL** up or down to select a group.

**NOKIA** (Nokia)—**STANDARD** (standard)

- Normally select **STANDARD**. If the device of Nokia is not paired to this unit, select **NOKIA**.
- Push **MULTI-CONTROL** left or right to display a group name or an ID.

**5 Press MULTI-CONTROL to open the connection.**

**Ready** will be displayed.

- This unit is now on standby for connection from Bluetooth audio player.
- Push **MULTI-CONTROL** left or right to display the device name, BD address and PIN code of this unit.

**6 Use your Bluetooth audio player to establish connection.**

PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 52.

While connecting, **Connecting** is displayed. If the connection is established, **Connected** is displayed.

### Connecting a paired Bluetooth audio player

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

**CONNECTION, FUNCTION, AUDIO** and **ENTERTAINMENT** appear on the display.

**2 Use MULTI-CONTROL to select CONNECTION.**

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select Paired device.**

Paired device name will be displayed.

- Push **MULTI-CONTROL** left or right to switch the device name, BD address, group name and group ID.

**4 Press MULTI-CONTROL to establish connection.**

While connecting, **Connecting** is displayed. If the connection is established, **Connected** is displayed.

- If the connection fails, **ERROR** is displayed. In this case, try again from the beginning.

### Disconnecting a Bluetooth audio player

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

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

**CONNECTION, FUNCTION, AUDIO** and **ENTERTAINMENT** appear on the display.

**2 Use MULTI-CONTROL to select CONNECTION.**

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select Disconnect audio.**

**4 Press MULTI-CONTROL to disconnect the Bluetooth wireless connection.**

### Basic Operations

#### ● Fast forward or reverse

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

#### ● Select a track

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



#### Note

Even though your audio player does not contain a Bluetooth module, you can still control it from this unit via Bluetooth wireless technology. To control your audio player using this unit, connect a product featuring Bluetooth wireless technology (available on the market) to your audio player.

## Operating this unit

### Introduction to advanced operations

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

**CONNECTION, FUNCTION, AUDIO** and **ENTERTAINMENT** appear on the display.

**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)—**Auto connect** (automatic connection setting)—**Device info.** (device information)



#### Notes

- If a Bluetooth audio player is not connected to this unit yet, **Auto connect** and **Device info.** appear in the function menu and other functions are not available.
- If a Bluetooth audio player is connected via A2DP (Advanced Audio Distribution Profile), only **Auto connect** and **Device info.** appear in the function menu.
- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the ordinary display, press **BAND**.
- 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 <i>Pausing disc playback</i> on page 22.

### 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.**

### Connecting to a Bluetooth audio player automatically

- Initially, this function is set to on.

**1 Display the function menu.**

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

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

**3 Press MULTI-CONTROL to turn automatic connection on.**

If your Bluetooth audio player is ready for Bluetooth wireless connection, connection to this unit is automatically established.

- To turn automatic connection off, press **MULTI-CONTROL** again.
- If this function is turned off, device information of the previously connected Bluetooth audio player is deleted.

## Displaying BD (Bluetooth Device) address

This unit displays the BD address of this unit.

### 1 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

### 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. 

## 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.
- 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.



- ① Device name  
Shows the device name of the cellular phone.
- ② Signal level indicator  
Shows the signal strength of cellular phone.
  - The level shown on the indicator may differ from the actual signal level.
  - If the signal level is not available, this indicator is not displayed.
- ③ User number indicator  
Shows the registration number of the cellular phone.
- ④ Battery strength indicator  
Shows the battery strength of cellular phone.
  - The level shown on the indicator may differ from the actual battery strength.
  - If the battery strength is not available, nothing is displayed in the battery strength indicator area.
- ⑤ Missed call notice indication  
Shows when an incoming call has been received and not answered.
- ⑥ Automatic answering indicator

## Operating this unit

Shows **AUTO** when the automatic answering function is on (for more details, refer to *Setting automatic answering* on page 41).

- ⑦ Clock display  
Shows the time (if connected with a phone).
- ⑧ Calendar display  
Shows the day, month and year (if connected with a phone).

### 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, and adjusting the volume level.

#### 1 Connection

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

#### 2 Pairing

Pairing is usually performed automatically during the connection operation. You only need to perform this operation manually when your phone is connected temporarily for any reason.

We recommend you pair the phone to this unit to make best use of the technology.

To pair your temporarily connected phone, refer to *Pairing a connected cellular phone* on page 34.

#### 3 Volume adjustment

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

- Caller's voice volume and ring volume may vary depending on the type of cellular phone.
- If the difference between the ring volume and caller's voice volume is big, overall volume level may become unstable.
- Before disconnecting the cellular phone from this unit, make sure to adjust the volume to a

proper level. If the volume is muted (zero level) on your cellular phone, the volume level of your cellular phone remains muted even after the cellular phone is disconnected.



#### Notes

- The equalizer curve for the phone source is fixed.
- When selecting the phone source, you can only operate **Fader** (balance adjustment) in the audio menu.
- When selecting the phone source, the fader value is set to **F 15** as an initial setting.

### Introduction to connection and pairing

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

**CONNECTION, FUNCTION, AUDIO, ENTERTAINMENT** and **RECEIVING MOVIE** appear on the display.

**2 Use MULTI-CONTROL to select CONNECTION.**

The connection menu is displayed.

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select the function.**

**Paired phone** (paired phone)—

**BT Hands Free** (new phone)—**Set phone**

(phone registration)—**Disconnect phone** (disconnect phone)—**Delete phone** (delete phone)

**If the phone is not connected and not paired**

The following function can be operated.

- **BT Hands Free** (new phone)

**If the phone is not connected but paired**

The following functions can be operated.

- **Paired phone** (pair phone manually)
- **BT Hands Free** (new phone)
- **Delete phone** (delete phone)

**If the phone is connected but not paired**

## Operating this unit

The following functions can be operated.

- **Set phone** (phone registration)
- **Disconnect phone** (disconnect phone)
- **Delete phone** (delete phone)

### **If the phone is connected and paired**

The following functions can be operated.

- **Disconnect phone** (disconnect phone)
- **Delete phone** (delete phone)

## Connecting and disconnecting a cellular phone

### Using a cellular phone to initiate a connection

#### **1 Display the connection menu.**

Refer to *Introduction to connection and pairing* on the previous page.

#### **2 Use MULTI-CONTROL to select BT Hands Free.**

#### **3 Use MULTI-CONTROL to select a group.**

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

**NOKIA** (Nokia)—**STANDARD** (standard)

- Normally select **STANDARD**. If the device of Nokia is not paired to this unit, select **NOKIA**.
- Push **MULTI-CONTROL** left or right to display a group name or an ID.

#### **4 Press MULTI-CONTROL to switch to Pair from phone.**

Push **MULTI-CONTROL** up or down to switch **Pair from phone** and **Search device**.

#### **5 Select Pair from phone and then press MULTI-CONTROL to ready for pairing.** **Ready** will be displayed.

#### **6 Use your cellular phone to establish connection.**

PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 52.

While connecting, **Connecting** is displayed. If the connection is established, **Completed** is displayed.

After connected, this unit automatically changes to **PH. Book DL** (phone book download confirmation) display.

- If the connection fails, **ERROR** is displayed. In this case, check the cellular phone and try again.
- If three cellular phones have already been paired, the pairing assignment selection display will appear. Select one assignment to pair the new phone. The newly paired phone overwrites the previously paired phone. The assignment selection operation is the same as Step 3 to 4 of *Pairing a connected cellular phone* on page 34 except for the operation below.

- Switching the BD address and device name

#### **7 Use MULTI-CONTROL to decide to download the phone book from your cellular phone or not.**

Push **MULTI-CONTROL** left or right to select **NO** (No) or **YES** (Yes).

Press **MULTI-CONTROL** to decide.

When you select **YES**, this unit changes to **PH.Book Download** and the download operation automatically begins. After completing, **Data downloaded** is displayed.

According to the circumstances, this unit changes to **PH.Book Transfer**. In this case, refer to step 4 on *Transferring entries to the phone book* on page 41.

- When you select **NO**, the display reverts to normal.

### Using this unit to initiate a connection

#### **1 Display the connection menu.**

Refer to *Introduction to connection and pairing* on the previous page.

#### **2 Use MULTI-CONTROL to select BT Hands Free.**

#### **3 Use MULTI-CONTROL to select a group.**

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

**NOKIA** (Nokia)—**STANDARD** (standard)



## Operating this unit

- Normally select **STANDARD**. If the device of Nokia is not paired to this unit, select **NOKIA**.
- Push **MULTI-CONTROL** left or right to display a group name or an ID.

### 4 Press MULTI-CONTROL to switch to Pair from phone.

Push **MULTI-CONTROL** up or down to switch **Pair from phone** and **Search device**.

### 5 Select Search device and then press MULTI-CONTROL to start searching.

While searching, **Searching** is displayed.

- If this unit fails to find any available cellular phones, **Not found** is displayed.

### 6 Use MULTI-CONTROL to select a device.

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

Press **MULTI-CONTROL** to select a device name.

- Push **MULTI-CONTROL** left or right to switch the BD address and device name.

### 7 Use your cellular phone to establish connection.

PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 52.

While connecting, **Connecting** is displayed. If the connection is established, **Completed** is displayed.

After connected, this unit automatically changes to **PH. Book DL** (phone book download confirmation) display.

- If the connection fails, **ERROR** is displayed. In this case, check the cellular phone and try again.
- If three cellular phones have already been paired, the pairing assignment selection display will appear. Select one assignment to pair the new phone. The newly paired phone overwrites the previously paired phone. The assignment selection operation is the same as Step 3 to 4 of *Pairing a connected cellular phone* on the next page except for the operation below.

- Switching the BD address and device name

### 8 Use MULTI-CONTROL to decide to download the phone book from your cellular phone or not.

Push **MULTI-CONTROL** left or right to select **NO** (No) or **YES** (Yes).

Press **MULTI-CONTROL** to decide.

When you select **YES**, this unit changes to **PH.Book Download** and the download operation automatically begins. After completing, **Data downloaded** is displayed.

According to the circumstances, this unit changes to **PH.Book Transfer**. In this case, refer to step 4 on *Transferring entries to the phone book* on page 41.

- When you select **NO**, the display reverts to normal.

## Connecting a paired cellular phone

### 1 Display the connection menu.

Refer to *Introduction to connection and pairing* on page 31.

### 2 Turn MULTI-CONTROL to select Paired phone.

- Push **MULTI-CONTROL** up or down to select a desired phone.
- Push **MULTI-CONTROL** left or right to switch the device name, BD address, group name and group ID.

### 3 Press MULTI-CONTROL to start connection.

PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 52.

While connecting, **Connecting** is displayed. If the connection is established, **Connected** is displayed.

After connected, this unit automatically changes to **PH. Book DL** (phone book download confirmation) display.

- If the connection fails, **ERROR** is displayed. In this case, check the cellular phone and try again.

## Operating this unit

### 4 Use MULTI-CONTROL to decide to download the phone book from your cellular phone or not.

Push **MULTI-CONTROL** left or right to select **NO** (No) or **YES** (Yes).

Press **MULTI-CONTROL** to decide.

When you select **YES**, this unit changes to **PH.Book Download** and the download operation automatically begins. After completing, **Data downloaded** is displayed.

- When you select **NO**, the display reverts to normal.

### Disconnecting a cellular phone

#### 1 Display the connection menu.

Refer to *Introduction to connection and pairing* on page 31.

#### 2 Use MULTI-CONTROL to select Disconnect phone.

#### 3 Press MULTI-CONTROL to disconnect a cellular phone from this unit.

After disconnection is completed, **Disconnected** is displayed.

### Pairing a connected cellular phone

*Pairing is usually performed automatically during the connection operation. You only need to perform this operation manually when your phone is connected temporarily for any reason. We recommend you pair the phone to this unit to make best use of the technology.*

#### 1 Display the connection menu.

Refer to *Introduction to connection and pairing* on page 31.

#### 2 Use MULTI-CONTROL to select Set phone.

#### 3 Push MULTI-CONTROL up or down to select a pairing assignment.

**P1** (user phone 1)—**P2** (user phone 2)—**P3** (user phone 3)

- Push **MULTI-CONTROL** left or right to switch the BD address and device name.

- If a phone is already assigned to the user phone number, the new phone will overwrite the old one.

- As you select each assignment, you can see whether or not a phone is already paired. If the assignment is empty, **No data** is displayed.

#### 4 Press MULTI-CONTROL to pair the currently connected phone.

When pairing is completed, **Completed** is displayed.

- If the pairing fails, **Reg. ERROR** is displayed. In this case, return to step 1 and try again.

### Deleting a paired phone

#### 1 Display the connection menu.

Refer to *Introduction to connection and pairing* on page 31.

#### 2 Use MULTI-CONTROL to select Delete phone.

#### 3 Push MULTI-CONTROL up or down to select a pairing assignment.

**P1** (user phone 1)—**P2** (user phone 2)—**P3** (user phone 3)

- Push **MULTI-CONTROL** left or right to switch the BD address and device name.
- If the assignment is empty, **No data** is displayed and operation is not possible.

#### 4 When the device name is being displayed, push MULTI-CONTROL right to select Delete YES.

**Delete YES** is displayed. Deleting phone is now on standby.

- If you do not want to delete the phone, push **MULTI-CONTROL** left. The display reverts to normal.

#### 5 Press MULTI-CONTROL to delete the phone.

After the phone is deleted, **Deleted** is displayed.

## Operating this unit

### Making a phone call

#### Dial a number

The most basic way to make a call is to simply dial the number.

Refer to *Making a call by entering phone number* on page 42 for detailed instructions.

#### Calling a number in the Phone Book or the Call History

Refer to *Calling a number in the phone book* on the next page and *Using the call history* on the next page for detailed instructions.

#### Preset number

Numbers that you dial frequently can be assigned to presets for quick recall.

Refer to *Using preset numbers* on page 38 for how to assign a number to a preset.

#### 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.
- This function can be operated only when the connection is established with HFP (Hands Free Profile).

#### 1 Press BAND and hold until Voice dial 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.

### Taking a phone call

#### Answering or rejecting an incoming call

##### ● Answering an incoming call

When a call comes in, press

**MULTI-CONTROL**.


- You can also take a phone call by pressing **OFF HOOK** on the remote control.

##### ● End a call

Press .

- You can also end the call by pressing **ON HOOK** on the remote control.

##### ● Rejecting an incoming call

When a call comes in, press .

- You can also reject an incoming call by pressing **ON HOOK** on the remote control.



#### Notes

- Pressing **MULTI-CONTROL** while talking on the phone changes into **Echo cancel of FUNCTION**. For details on **Echo cancel**, refer to *Echo canceling and noise reduction* on page 42.
- The estimated call time appears in the display (this may differ slightly from the actual call time).

### Operating a call waiting


#### ● Answering a call waiting

When a call comes in, press

**MULTI-CONTROL**.

- You can also answer a call waiting by pressing **OFF HOOK** on the remote control.

#### ● End all calls

Press .


- You can also end all calls by pressing **ON HOOK** on the remote control.

#### ● Switch between callers on hold

Press **MULTI-CONTROL**.

- You can also switch between callers on hold by pressing **OFF HOOK** on the remote control.

#### ● Rejecting call waiting

Press .

- You can also reject call waiting by pressing **ON HOOK** on the remote control.

**Note**

To end the call, both you and your caller need to hang up the phone.

**Using the phone number list****Important**

Be sure to park your vehicle and apply the parking brake when operating the list.

- **Press LIST to display the list.**

Press **LIST** repeatedly to switch between the following lists:

**RECENT** (call history)—**P. BOOK** (phone book)—**PRESET** (preset number list)

- For more details about the call history, refer to *Using the call history* on this page.
- For more details about the Phone Book list, refer to *Using the phone book* on this page.
- For more details about the preset number list, refer to *Using preset numbers* on page 38.
- If no phone numbers are stored in the selected list, **No data** is displayed.

**Using the call history**

The 20 most recent calls dialed, received, and missed are stored in the call history. You can browse the call history and call numbers from it.

- 1 Press LIST to display RECENT (call history list).**

Refer to *Using the phone number list* on this page.

- 2 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.

- 3 Press MULTI-CONTROL to display the detailed list.**

Name, phone number and date are displayed in the detailed list.

- You can also display the detailed list by pushing **MULTI-CONTROL** right.
- You can scroll literal information by pressing and holding **DISPLAY**.
- Turning **MULTI-CONTROL** switches to the previous or next phone number displayed in the detailed list.
- If you do not operate anything within about 30 seconds, the list display is canceled automatically.

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

- While in the phone number list, press and hold **MULTI-CONTROL** to add or delete **+** to the phone number.

- 5 To end the call, press**

**Using the phone book**

Before using the phone book, you need to set up the phone book. To set up the phone book, refer to *Downloading phone books from your cellular phone* on page 40 and refer to *Transferring entries to the phone book* on page 41.

**Calling a number in the phone book**

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

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

Refer to *Using the phone number list* on this page.

- 2 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** left or right.

- 3 Press MULTI-CONTROL to display entries.**

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

- 4 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.

## Operating this unit

### 5 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 **DISPLAY**.
- If several phone numbers are included in an entry, select one by turning **MULTI-CONTROL**.
- If you want to go back and select another entry, push **MULTI-CONTROL** left.

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

### 7 To end the call, press .

## Editing phone numbers

You can edit the phone numbers of phone book entries.

### 1 Display the phone number list of your desired phone book entry.

See step 1 to 5 on *Calling a number in the phone book* on the previous page for how to do this.

### 2 Press and hold MULTI-CONTROL to display the edit screen.

### 3 Turn MULTI-CONTROL to display Edit number (number edit screen).

Turning **MULTI-CONTROL** switches input screens in the following order:

**Edit number** (number edit screen)—

**Edit genre** (genre edit screen)—

**Clear memory** (clear memory screen)

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

### 5 Push MULTI-CONTROL up or down to change numbers.

Repeat these steps until you have finished changing the number.

- Press and hold **MULTI-CONTROL** to add or delete + to the phone number.

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

After the number is stored, the display reverts to the detailed list.

## Assign genres to phone numbers

If there are a lot of entries in the Phone Book it can be useful to assign them to specific genres (categories) for easier searching. There are four preset genres that you can assign entries to: **Home**, **Mobile**, **Office** and **Others**.

### 1 Display the phone number list of your desired phone book entry.

See step 1 to 5 on *Calling a number in the phone book* on the previous page for how to do this.

### 2 Press and hold MULTI-CONTROL to display the edit screen.

### 3 Turn MULTI-CONTROL to display Edit genre (genre edit screen).

Turning **MULTI-CONTROL** switches input screens in the following order:

**Edit number** (number edit screen)—

**Edit genre** (genre edit screen)—

**Clear memory** (clear memory screen)

### 4 Push MULTI-CONTROL up or down to select a genre.

Each time **MULTI-CONTROL** is pushed up or down, the genres are switched in the following order:

**Home** (home)—**Mobile** (mobile)—**Office** (office)—**Others** (other)

### 5 Press MULTI-CONTROL to assign a genre to the phone number.

The selected genre is assigned to the phone number, and the display reverts to the detailed list.

## Clearing a phone book entry

### 1 Display the phone number list of your desired phone book entry.

See step 1 to 5 on *Calling a number in the phone book* on the previous page for how to do this.

### 2 Press and hold MULTI-CONTROL to display the edit screen.

## Operating this unit

### 3 Turn MULTI-CONTROL to display Clear memory (clear memory screen).

Turning **MULTI-CONTROL** switches input screens in the following order:

**Edit number** (number edit screen)—

**Edit genre** (genre edit screen)—

**Clear memory** (clear memory screen)

### 4 Push MULTI-CONTROL right to show a confirmation display.

**Clear memory YES** is displayed.

- If you do not want to clear the memory that you have selected, push **MULTI-CONTROL** left. The display reverts to normal.

### 5 Press MULTI-CONTROL to delete the Phone Book entry.

The Phone Book entry is deleted and **Cleared** is displayed. The display returns to Phone Book entry list.

## Using preset numbers

Numbers that you dial frequently can be assigned to presets for quick recall.

### Assigning preset numbers

#### 1 Press LIST to display PRESET (preset number list).

Refer to *Using the phone number list* on page 36.

#### 2 Turn MULTI-CONTROL to switch preset numbers.

You can select preset number from **1** to **10**.

- You can also change the phone number by pushing **MULTI-CONTROL** up or down.

#### 3 Press MULTI-CONTROL to select a preset number that you want to assign a phone number to.

#### 4 Press and hold MULTI-CONTROL to display Memory.

Push **MULTI-CONTROL** up or down to switch **Memory** (memory) and **Delete** (delete).

- If a phone number is already stored in the selected preset number, the new phone number will overwrite the old one.

- For details on deleting, refer to *Deleting preset numbers* on this page.

### 5 Select Memory and then press MULTI-CONTROL to display the phone book.

### 6 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** left or right.

### 7 Press MULTI-CONTROL to display entries.

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

### 8 Turn MULTI-CONTROL to select a phone book entry you want to store in the preset list.

- You can also perform the same operation by pushing **MULTI-CONTROL** up or down.

### 9 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.

- If several phone numbers are included in an entry, select one by turning **MULTI-CONTROL**.

- You can scroll literal information by pressing and holding **DISPLAY**.

- If you want to go back and select another entry, push **MULTI-CONTROL** left.

### 10 Press MULTI-CONTROL to store the phone number in the preset list.

## Deleting preset numbers

#### 1 Press LIST to display PRESET (preset number list).

Refer to *Using the phone number list* on page 36.

#### 2 Turn MULTI-CONTROL to switch preset numbers.

- You can also change the preset phone number by pushing **MULTI-CONTROL** up or down.

#### 3 Press MULTI-CONTROL to select a preset phone number that you want to delete.

## Operating this unit

### 4 Press and hold MULTI-CONTROL to display Memory.

Push **MULTI-CONTROL** up or down to switch **Memory** (memory) and **Delete** (delete).

- About assigning, *Assigning preset numbers* on the previous page.

### 5 Select Delete and then press MULTI-CONTROL to delete the preset phone number.

### Calling a number in the preset list

After finding the number you want to call in the preset list, you can select the entry and make a call.

#### 1 Press LIST to display PRESET (preset number list).

Refer to *Using the phone number list* on page 36.

#### 2 Turn MULTI-CONTROL to select the phone number.

- You can also change the phone number by pushing **MULTI-CONTROL** up or down.

#### 3 Press MULTI-CONTROL to make a call.

#### 4 To end the call, press .

### Assigning preset numbers by using MULTI-CONTROL

#### 1 Push MULTI-CONTROL up or down to switch preset numbers.

#### 2 Perform from step 4 to 10 of *Assigning preset numbers* on the previous page.

### Assigning preset numbers by using remote control

#### 1 Press thumb pad to display RECENT (call history list).

#### 2 Push thumb pad up or down to select a phone number.

#### 3 Press a number from 0 to 9 and hold to preset in memory.

Preset number 10 is assigned to 0.

### Calling number in the preset list by using MULTI-CONTROL

#### 1 Push MULTI-CONTROL up or down to switch preset numbers.

#### 2 Press MULTI-CONTROL to make a call.

#### 3 To end the call, press .

### Calling number in the preset list by using remote control

#### 1 Push thumb pad up or down to select a preset phone number.

- Pressing a number from 0 to 9 also recalls the preset phone number.

#### 2 Press thumb pad to make a call.

- Pressing **OFF HOOK** can also make a call.

#### 3 To end the call, press ON HOOK.



## Introduction to advanced operations

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

**CONNECTION, FUNCTION, AUDIO, ENTERTAINMENT** and **RECEIVING MOVIE** appear on the display.

**2 Use MULTI-CONTROL to select FUNCTION.**

The function menu is displayed.

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select the function.**

**PH.Book Download** (phone book download)—**PH.Book Transfer** (phone book transfer)—**Auto connect** (automatic connection setting)—**Auto answer** (automatic answer setting)—**Echo cancel** (echo cancel)—**Ring tone** (ring tone select)—**Number dial** (call by entering number)—**Clear memory** (clear memory)—**Add+ to numbers** (international call prefix setting)—**PH.B.Name view** (phone book name view)—**Device info.** (device information)

### If not connected yet

The following functions cannot be operated.

- **PH.Book Download** (phone book download)
- **Echo cancel** (echo cancel)
- **Number dial** (call by entering number)
- **Clear memory** (clear memory)
- **Add+ to numbers** (international call prefix setting)
- **PH.B.Name view** (phone book name view)

### If connected but not paired yet

The following functions cannot be operated.

- **PH.Book Download** (phone book download)
- **Echo cancel** (echo cancel)
- **Clear memory** (clear memory)
- **Add+ to numbers** (international call prefix setting)
- **PH.B.Name view** (phone book name view)



### Notes

- To return to the playback display, press **BAND**.
- **Device info.** is the same as that of the Bluetooth audio. (Refer to *Displaying BD (Bluetooth Device) address* on page 30.)
- **PH.B.Name view** (phone book name view) cannot be selected for cellular phone registered guest phone.
- If cellular phone is connected to this unit via Bluetooth wireless technology with HFP (Hands-Free Profile), PBAP (Phone Book Access Profile) and SPP (Serial Port Profile), **PH.Book Download** can be operated.
- If you do not operate functions other than **PH.Book Download**, **PH.Book Transfer**, and **Number dial** within about 30 seconds, the display automatically returns to the ordinary display.

## Downloading phone books from your cellular phone

Phone books in your cellular phone can be downloaded and stored in this unit.

- 400 entries for each user (max. 3 users) can be stored in the phone book. Each independent entry can hold three 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.Book Download.**

**3 Press MULTI-CONTROL to enter in the phone book download standby mode.**

Phone book downloading starts automatically. When phone book download is completed, **Data downloaded** is displayed.

- The display indicates how many entries have been transferred and the total number to be transferred.
- If the ID and the password are requested, refer to *Entering the ID and the password* on the next page.



## Operating this unit

### Entering the ID and the password

If the ID and the password are requested, read the following instructions to enter the ID and the password.

- Up to 20 characters can be entered for the ID and up to 16 characters can be entered for the password.

#### 1 Press **DISPLAY** to switch between alphabet and numbers.

Press **DISPLAY** repeatedly to switch between the following character types:

Alphabet—Numbers and symbols

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

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

#### 4 Press **MULTI-CONTROL** to determine the ID and the password.

#### 5 After entering the ID and password, use your cellular phone to continue the procedure.

### Transferring entries to the phone book

Phone books in your cellular phone can be transferred to this unit by using your cellular phone.

- 400 entries for each user (max. 3 users) can be stored in the phone book. Each independent entry can hold three phone numbers and genres.

#### 1 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

#### 2 Use **MULTI-CONTROL** to select **PH.Book Transfer**.

#### 3 Press **MULTI-CONTROL** to enter the phone book transfer standby mode.

#### 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 transferred** is displayed.

- The display indicates how many entries have been transferred and the total number to be transferred.

### Setting the automatic connection

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

- With some cellular phones, it may not be possible to perform the automatic connection.

#### 1 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

#### 2 Use **MULTI-CONTROL** to select **Auto connect**.

#### 3 Press **MULTI-CONTROL** to turn automatic connection on.

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



#### Note

Automatic connection is performed in the registration number order.

### Setting automatic answering

#### 1 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

## Operating this unit

**2 Use MULTI-CONTROL to select Auto answer.**

**3 Press MULTI-CONTROL to turn automatic answering on.**

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

### Echo canceling and noise reduction

**1 Display the function menu.**

Refer to *Introduction to advanced operations* on page 40.

**2 Use MULTI-CONTROL to select Echo cancel.**

**3 Push MULTI-CONTROL left or right to select the desired setting.**

**OFF (off)—LOW—MID—HIGH**

- This function can be performed even while talking on the phone. In this case, press **MULTI-CONTROL** to switch to **Echo cancel**.

### Switching the ring tone

**1 Display the function menu.**

Refer to *Introduction to advanced operations* on page 40.

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

**3 Push MULTI-CONTROL left or right to select the desired setting.**

**OFF (off)—BEEP1—BEEP2—BEEP3**

### 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 page 40.

**2 Use MULTI-CONTROL to select Number dial.**

- You can also press **DIRECT** on the remote control to enter in this menu from the standby display.

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

- You can also input numbers by pressing **0** to **9** on the remote control.

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

- Up to 24 digits can be entered.

**5 When you finish entering the number, press MULTI-CONTROL.**

Call confirmation appears.

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

**7 To end the call, press .**

### Clearing memory

**1 Display the function menu.**

Refer to *Introduction to advanced operations* on page 40.

**2 Use MULTI-CONTROL to select Clear memory.**

**3 Push MULTI-CONTROL up or down to select an item.**

**Phone book** (phone book)—**All clear** (delete all memory)—**Dial preset** (preset phone numbers)—**Recent calls** (call history)

- If you want to clear the entire Phone Book, call history list and preset phone number, select **All clear**.

**4 Push MULTI-CONTROL right to determine the item that you want to delete from this unit.**

**Clear memory YES** is displayed. Clearing memory is now on standby.

## Operating this unit

- If you do not want to clear the memory that you have selected, push **MULTI-CONTROL** left. The display reverts to normal.

### 5 Press **MULTI-CONTROL** to clear the memory.

**Cleared** is displayed and data on the selected item is cleared from this unit's memory.

## Adding the prefix for international calls

You can add the international call prefix “+” to all calls.

### 1 Display the function menu.

Refer to *Introduction to advanced operations* on page 40.

### 2 Use **MULTI-CONTROL** to select **Add+** to numbers.

### 3 Press **MULTI-CONTROL** to add the prefix to all calls.

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

## Changing the phone book display order

### 1 Display the function menu.

Refer to *Introduction to advanced operations* on page 40.

### 2 Use **MULTI-CONTROL** to select **PH.B.Name view**.

**Invert names YES** is displayed.

### 3 Press **MULTI-CONTROL** to change the name view order.

**Inverted** is displayed.

Pressing **MULTI-CONTROL** repeatedly changes the name view order between first and last name.

## Selecting the incoming call screen

It is possible to select an incoming call screen. Since the screen selection is available for

each user, it is possible to select different screens for different users.

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

**FUNCTION**, **AUDIO**, **ENTERTAINMENT** and **RECEIVING MOVIE** appear on the display.

### 2 Use **MULTI-CONTROL** to select **RECEIVING MOVIE**.

Turn to change the menu option. Press to select.

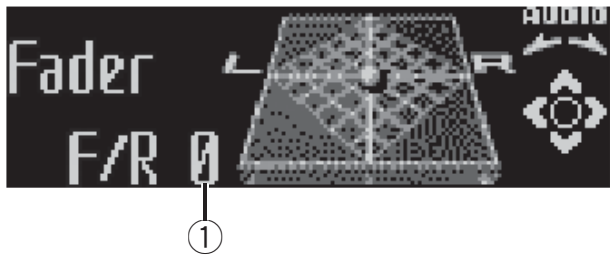
### 3 Use **MULTI-CONTROL** to select the screen.

Turn to change the menu option. Press to select.

Screen 1—Screen 2—Screen 3—Screen 4 ☐

Audio Adjustments

Introduction of audio adjustments



① Audio display  
Shows the audio adjustment status.

1 Press **MULTI-CONTROL** to display the main menu.  
**FUNCTION**, **AUDIO** and **ENTERTAINMENT** appear on the display.

2 Use **MULTI-CONTROL** to select **AUDIO**.  
Turn to change the menu option. Press to select.  
The audio function name appears on the display.

3 Turn **MULTI-CONTROL** to select the audio function.  
Turn **MULTI-CONTROL** to switch between the audio functions in the following order.  
**Fader** (balance adjustment)—**Powerful** (graphic equalizer adjustment)—**50Hz** (7-band graphic equalizer adjustment)—**LOUD** (loudness)—**Sub W.1** (subwoofer on/off setting)—**Sub W.2** (subwoofer setting)—**Bass** (bass boost)—**HPF** (high pass filter)—**SLA** (source level adjustment)—**ASL** (automatic sound levelizer)  
■ You can also select the audio function by pressing **AUDIO** on the remote control.  
■ You can select the **Sub W.2** only when subwoofer output is turned on in **Sub W.1**.  
■ When selecting FM as the source, you cannot switch to **SLA**.  
■ To return to the display of each source, press **BAND**.  
■ If you do not operate functions except for **50Hz** within about 30 seconds, the display is automatically returned to the ordinary display.

Using balance adjustment

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

- 1 Use **MULTI-CONTROL** to select **Fader**.  
■ If the balance setting has been previously adjusted, **Balance** will be displayed.
- 2 Push **MULTI-CONTROL** up or down to adjust front/rear speaker balance.  
Each time **MULTI-CONTROL** is pushed up or down, the front/rear speaker balance moves towards the front or rear.  
**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:S/W**, you cannot adjust front/rear speaker balance. Refer to *Setting the rear output and subwoofer controller* on page 51.

- 3 Push **MULTI-CONTROL** left or right to adjust left/right speaker balance.  
Each time **MULTI-CONTROL** is pushed left or right, the left/right speaker balance moves towards the left or right.  
**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 seven 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

## Operating this unit

<b>Custom 1</b>	Custom 1
<b>Custom 2</b>	Custom 2
<b>Flat</b>	Flat
<b>SuperBass (S.Bass)</b>	Super bass

- **Custom 1** and **Custom 2** are adjusted equalizer curves that you create. Adjustments can be made with a 7-band graphic equalizer.
- When **Flat** is selected, no supplement or correction is made to the sound. This is useful to check the effect of the equalizer curves by switching alternatively between **Flat** and a set equalizer curve.

### ● Press EQ to select the equalizer.

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

**Powerful—Natural—Vocal—Custom 1—Custom 2—Flat—SuperBass (S.Bass)**

### Adjusting equalizer curves

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

#### 1 Use MULTI-CONTROL to select the graphic equalizer adjustment.

**Powerful** appears in the display.

If the equalizer curve has been previously selected, the curve of that previously selected will be displayed instead of **Powerful**.

#### 2 Push MULTI-CONTROL left or right to select an equalizer curve.

Each time **MULTI-CONTROL** is pushed left or right, equalizer curves are selected in the following order:

**Powerful—Natural—Vocal—Custom 1—Custom 2—Flat—SuperBass (S.Bass)**

#### 3 Push MULTI-CONTROL up or down to adjust the equalizer curve.

Each time **MULTI-CONTROL** is pushed up or down, the equalizer curve increases or decreases respectively.

**+6** to **−4** (or **−6**) is displayed as the equalizer curve is increased or decreased.

- The actual range of the adjustments are different depending on which equalizer curve is selected.
- The equalizer curve with all frequencies set to **0** cannot be adjusted.

### Adjusting 7-band graphic equalizer

For **Custom 1** and **Custom 2** equalizer curves, you can adjust the level of each band.

- A separate **Custom 1** curve can be created for each source. (The built-in CD player and the multi-CD player are set to the same equalizer adjustment setting automatically.) If you make adjustments when a curve other than **Custom 2** is selected, the equalizer curve settings will be memorized in **Custom 1**.
- A **Custom 2** curve can be created common to all sources. If you make adjustments when the **Custom 2** curve is selected, the **Custom 2** curve will be updated.

#### 1 Recall the equalizer curve you want to adjust.

See *Recalling equalizer curves* on the previous page.

#### 2 Use MULTI-CONTROL to select 7-band graphic equalizer adjustment.

Frequency and the level (e.g., **50Hz +4**) appears in the display.

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

Each time **MULTI-CONTROL** is pushed left or right, equalizer bands are selected in the following order:

**50Hz—125Hz—315Hz—800Hz—2kHz—5kHz—12.5kHz**

#### 4 Push MULTI-CONTROL up or down to adjust the level of the equalizer band.

Each time **MULTI-CONTROL** is pushed up or down, the level of the equalization band increases or decreases.

## Operating this unit

**+6** to **-6** is displayed as the level is increased or decreased.

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

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

### Adjusting loudness

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

**1 Use MULTI-CONTROL to select LOUD.**

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

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

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

**3 Push MULTI-CONTROL left or right to select a desired level.**

Each time **MULTI-CONTROL** is pushed left or right, level is selected in the following order:

**Low** (low)—**Mid** (mid)—**High** (high)

### Using subwoofer output

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

**1 Use MULTI-CONTROL to select Sub W.1.**

**2 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.

**3 Push MULTI-CONTROL left or right to select the phase of subwoofer output.**

Push **MULTI-CONTROL** left to select reverse phase and **Reverse** appears in the display.

Push **MULTI-CONTROL** right to select normal phase and **Normal** appears in the display.

### Adjusting subwoofer settings

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

**1 Use MULTI-CONTROL to select Sub W.2.**

- When the subwoofer output is on, you can select **Sub W.2**.

**2 Push MULTI-CONTROL left or right to select cut-off frequency.**

Each time **MULTI-CONTROL** is pushed left or right, cut-off frequencies are selected in the following order:

**50Hz—63Hz—80Hz—100Hz—125Hz**

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

**3 Push MULTI-CONTROL up or down to adjust the output level of the subwoofer.**

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

### Boosting the bass

Bass boost function boosts the bass level of sound.

**1 Use MULTI-CONTROL to select Bass.**

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

**0** to **+6** is displayed as the level is increased or decreased.

### Using the high pass filter

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

**1 Use MULTI-CONTROL to select HPF.**

## Operating this unit

### 2 Press **MULTI-CONTROL** to turn high pass filter on.

**80Hz** appears in the display. High pass filter is now on.

- If the high pass filter has been previously adjusted, the frequency of that previously selected will be displayed instead of **80Hz**.
- To turn high pass filter off, press **MULTI-CONTROL** again.

### 3 Push **MULTI-CONTROL** left or right to select cut-off frequency.

Each time **MULTI-CONTROL** is pushed left or right, cut-off frequencies are selected in the following order:

**50Hz—63Hz—80Hz—100Hz—125Hz**

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

## Adjusting source levels

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

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

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

### 2 Use **MULTI-CONTROL** to select SLA.

### 3 Push **MULTI-CONTROL** up or down to adjust the source volume.

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



#### Notes

- The MW/LW volume level can also be adjusted with source level adjustments.
- The built-in CD player and the multi-CD player are set to the same source level adjustment volume automatically.

- External unit 1 and external unit 2 are set to the same source level adjustment volume automatically.

## Using automatic sound levelizer

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

### 1 Use **MULTI-CONTROL** to select ASL.

### 2 Press **MULTI-CONTROL** to turn ASL on. **Mid** appears in the display.

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

### 3 Push **MULTI-CONTROL** left or right to select the desired ASL level.

Each time **MULTI-CONTROL** is pushed left or right, ASL level is selected in the following order:

**Low** (low)—**Mid-L** (mid-low)—**Mid** (mid)—**Mid-H** (mid-high)—**High** (high)



## Initial Settings

### Adjusting initial settings

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



- ① Function display  
Shows the function status.

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

**2 Press MULTI-CONTROL and hold until Language select appears in the display.**

- You can also perform this operation by pressing and holding **FUNCTION** on the remote control.

**3 Turn MULTI-CONTROL to select one of the initial settings.**

Turn **MULTI-CONTROL** to switch between the functions in the following order.

**Language select** (language selection)—**Calendar** (calendar)—**Clock** (clock)—**Off clock** (off clock)—**FM step** (FM tuning step)—**Auto PI** (auto PI seek)—**Warning tone** (warning tone)—**Face auto open** (face auto open)—**AUX1** (auxiliary input 1)—**AUX2** (auxiliary input 2)—**Dimmer** (dimmer)—**Brightness** (brightness)—**S/W control** (rear output and subwoofer controller)—**Mute** (sound muting/attenuation)—**Demonstration** (feature demo)—**Reverse mode** (reverse mode)—**Ever-scroll** (ever scroll)—**BT AUDIO** (Bluetooth audio)—**Pin code input** (pin code input)—**Edit device name** (device name edit)—**BT Version Info.** (Bluetooth version information)—**BT reset** (Bluetooth reset)—**Software update** (software update)

Use the following instructions to operate each particular setting.

- You can also select the function by pressing **FUNCTION** on the remote control.
- To cancel initial settings, press **BAND**.
- You cannot select **BT AUDIO** when the Bluetooth audio player has been connected.

### Selecting the display language

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

**1 Display the initial setting menu.**

Refer to *Adjusting initial settings* on this page.

**2 Use MULTI-CONTROL to select Language select.**

**3 Press MULTI-CONTROL to select the language.**

Each press of **MULTI-CONTROL** selects languages in the following order:

**English—Français—Italiano—Español—Deutsch—Nederlands—РУССКИЙ**

### Setting the date

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

**1 Display the initial setting menu.**

Refer to *Adjusting initial settings* on this page.

**2 Use MULTI-CONTROL to select Calendar.**

**3 Push MULTI-CONTROL left or right to select the segment of the calendar display you wish to set.**

Pushing **MULTI-CONTROL** left or right will select one segment of the calendar display:

Day—Month—Year

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

**4 Push MULTI-CONTROL up or down to set the date.**



## Operating this unit

### Setting the clock

Use these instructions to set the clock.

#### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on the previous page.

#### 2 Use MULTI-CONTROL to select Clock.

#### 3 Push MULTI-CONTROL left or right to select the segment of the clock display you wish to set.

Pushing **MULTI-CONTROL** left or right will select one segment of the clock display:

Hour—Minute

As you select segments of the clock display, the selected segment blinks.

#### 4 Push MULTI-CONTROL up or down to put a clock right.



#### Note

You can match the clock to a time signal by pressing **MULTI-CONTROL**.

- If **00** to **29**, the minutes are rounded down. (e.g., **10:18** becomes **10:00**.)
- If **30** to **59**, the minutes are rounded up. (e.g., **10:36** becomes **11:00**.)

### Turning the off clock display on or off

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

#### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on the previous page.

#### 2 Use MULTI-CONTROL to select Off clock.

#### 3 Press MULTI-CONTROL to turn the off clock display on.

- To turn the off clock display off, press **MULTI-CONTROL** again.

### Setting the FM tuning step

Normally the FM tuning step employed by seek tuning is 50 kHz. When AF or TA is on, the tuning step automatically changes to 100 kHz. It may be preferable to set the tuning step to 50 kHz when AF is on.

#### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on the previous page.

#### 2 Use MULTI-CONTROL to select FM step.

#### 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.



#### Note

The tuning step remains at 50 kHz during manual tuning.

### Switching Auto PI Seek

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

#### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on the previous page.

#### 2 Use MULTI-CONTROL to select Auto PI.

#### 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.

### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

### 2 Use MULTI-CONTROL to select Warning tone.

### 3 Press MULTI-CONTROL to turn warning tone on.

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

## Switching the face auto open

To protect against theft, this unit features detachable front panel. To detach the front panel easily, the front panel opens automatically. This function is on as a default.

### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

### 2 Use MULTI-CONTROL to select Face auto open.

### 3 Press MULTI-CONTROL to turn the face auto open on.

- To turn the face auto open off, press **MULTI-CONTROL** again.

## Switching the auxiliary setting

Auxiliary devices connected to this unit can be activated individually. Set each AUX source to ON when using. For more information about connecting or using auxiliary devices, refer to *Using the AUX source* on page 54.

### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

### 2 Use MULTI-CONTROL to select AUX1/AUX2.

### 3 Press MULTI-CONTROL to turn AUX1/AUX2 on.

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

## Switching the dimmer setting

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

### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

### 2 Use MULTI-CONTROL to select Dimmer.

### 3 Press MULTI-CONTROL to turn dimmer on.

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

## Adjusting the brightness

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

### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

### 2 Use MULTI-CONTROL to select Brightness.

### 3 Push MULTI-CONTROL left or right to adjust the brightness level.

**0** to **15** is displayed as the level is increased or decreased.

- When dimmer is functioning, the brightness level can be adjusted **0** to **10**.

## Operating this unit

### Setting the rear output and subwoofer controller

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

#### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

#### 2 Use MULTI-CONTROL to select S/W control.

#### 3 Press MULTI-CONTROL to switch the rear output setting.

Pressing **MULTI-CONTROL** will switch between **Rear SP:F.Range** (full-range speaker) and **Rear SP:S/W** (subwoofer) and that status will be displayed.

- When no subwoofer is connected to the rear output, select **Rear SP:F.Range** (full-range speaker).
- When a subwoofer is connected to the rear output, select **Rear SP:S/W** (subwoofer).



#### Notes

- Even if you change this setting, there is no output unless you turn the subwoofer output on (refer to *Using subwoofer output* on page 46).
- If you change this setting, subwoofer output in the audio menu return to the factory settings.
- Both rear speaker lead outputs and RCA rear output are switched simultaneously in this setting.

### Switching the sound muting/attenuation

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

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

#### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

#### 2 Use MULTI-CONTROL to select Mute.

#### 3 Press MULTI-CONTROL to switch the telephone muting/attenuation.

Pressing **MULTI-CONTROL** will switch between **TEL ATT** (attenuation) and **TEL mute** (muting) and that status will be displayed.

### Switching the feature demo

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

#### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

#### 2 Use MULTI-CONTROL to select Demonstration.

#### 3 Press MULTI-CONTROL to turn the feature demo on.

- To turn the feature demo off, press **MULTI-CONTROL** again.



#### Notes

- Remember that if the feature demo continues operating when the car engine is turned off, it may drain battery power.

## Operating this unit

- You can also turn on or off feature demo by pressing **DISPLAY** while this unit is turned off. For more details, see *Feature demo mode* on page 9.

### Switching the reverse mode

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

#### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

#### 2 Use MULTI-CONTROL to select Reverse mode.

#### 3 Press MULTI-CONTROL to turn the reverse mode on.

- To turn the reverse mode off, press **MULTI-CONTROL** again.



#### Note

You can also turn on or off reverse mode by pressing **BAND** while this unit is turned off. For more details, see *Reverse mode* on page 9.

### Switching the ever scroll

When Ever Scroll is set to ON, text information recorded on CD or iPod 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 page 48.

#### 2 Use MULTI-CONTROL to select Ever-scroll.

#### 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 48.

#### 2 Use MULTI-CONTROL to select BT AUDIO.

#### 3 Press MULTI-CONTROL to turn the BT Audio source on.

- To turn the **BT Audio** source off, press **MULTI-CONTROL** again.
- If you turn the **BT AUDIO** in the initial settings off, the history of the most recently connected Bluetooth audio stored in this unit is cleared.

### Entering PIN code for Bluetooth wireless connection

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

- With some Bluetooth audio players, you may be required to enter the Bluetooth audio player PIN code in advance to set this unit for a connection.

#### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

#### 2 Use MULTI-CONTROL to select Pin code input.

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

- You can also press **0** to **9** on the remote control to select a number.

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

## Operating this unit

### 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.

### Editing device name

You can edit the device name.

The device name is set to **Pioneer BT unit** as default.

#### 1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 48.

#### 2 Use **MULTI-CONTROL** to select Edit device name.

#### 3 Press **DISPLAY** to select the desired character type.

Press **DISPLAY** repeatedly to switch between the following character types:

Alphabet (upper case)—Alphabet (lower case)  
—Numbers and symbols

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

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

#### 6 After inputting device name, press **MULTI-CONTROL** to store in this unit.

- Pushing **MULTI-CONTROL** right in the confirmation display returns you to the device name input display, and you can change the device name.
- If an invalid character has been entered, subsequent characters are not displayed.

- If an invalid character has been entered in the beginning, device name cannot be stored in memory.

### 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 initial setting menu.

Refer to *Adjusting initial settings* on page 48.

#### 2 Use **MULTI-CONTROL** to select BT Version 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.

### 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
- preset numbers 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 48.

**2 Use MULTI-CONTROL to select BT reset.**

**3 Push MULTI-CONTROL right to show a confirmation display.**

**Clear memory 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.


**1 Display the initial setting menu.**

Refer to *Adjusting initial settings* on page 48.

**2 Use MULTI-CONTROL to select Software update.**

**3 Push MULTI-CONTROL up or down to select a appropriate group.**

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

- To finish the updating, follow the on-screen instructions. 

## Other Functions

### Using the AUX source

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

### About AUX1 and AUX2

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

#### AUX1 source:

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

- **Insert the stereo mini plug into the input jack on this unit.**

For more details, refer to the installation manual.

This auxiliary device is automatically set to **AUX1**.

#### AUX2 source:

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

- **Use an IP-BUS-RCA Interconnector such as the CD-RB20/CD-RB10 (sold separately) to connect this unit to auxiliary device featuring RCA output.**

For more details, refer to the IP-BUS-RCA Interconnector owner's manual.

This auxiliary device is automatically set to **AUX2**.

- You can only make this type of connection if the auxiliary device has RCA outputs.

## Operating this unit

### Selecting AUX as the source

- Press **SOURCE** to select **AUX** as the source.
  - If the auxiliary setting is not turned on, **AUX** cannot be selected. For more details, see *Switching the auxiliary setting* on page 50.

### Setting the AUX title

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

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

**2 Enter a title in the same way as the built-in CD player.**

For details concerning operation, refer to *Entering disc titles* on page 22.

### Using the external unit

External unit refers to a Pioneer product (such as ones available in the future) that, although incompatible as a source, enables control of basic functions with this unit. Two external units can be controlled with this unit. When two external units are connected, the external unit is automatically allocated to external unit 1 or external unit 2 by this unit.

Basic operations of the external unit are explained below. Allocated functions are different depending on the connected external unit. For details concerning functions, refer to external unit's owner's manual.

### Selecting the external unit as the source

- Press **SOURCE** to select **External** as the source.

### Basic operation

Functions allocated to the following operations are different depending on the connected external unit. For details concerning

functions, refer to the connected external unit's owner's manual.

- Press **BAND**.
- Press and hold **BAND**.
- Push **MULTI-CONTROL** left or right.
- Push and hold **MULTI-CONTROL** left or right.
- Push **MULTI-CONTROL** up or down.
- Press any of 1 to 6 on the remote control.

### Advanced operations

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

**FUNCTION**, **AUDIO** and **ENTERTAINMENT** appear on the display.

**2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

**3 Turn MULTI-CONTROL to select the function.**

**Function1** (function 1)—**Function2** (function 2)—**Function3** (function 3)—**Function4** (function 4)—**Auto/Manual** (auto/manual)

- You can also turn **Function1** on or off by pressing **PGM** on the remote control.



#### Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the ordinary display, press **BAND**.

## Using different entertainment displays

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

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

**FUNCTION**, **AUDIO** and **ENTERTAINMENT** appear on the display.

### 2 Use MULTI-CONTROL to select ENTERTAINMENT.

Turn to change the menu option. Press to select.

### 3 Use MULTI-CONTROL to change the display.

Turn to change the menu option. Press to select.

**BGV-1** (background visual 1)—**BGV-2** (background visual 2)—**BGP-1** (background picture 1)—**BGP-2** (background picture 2)—**BGP-3** (background picture 3)—**BGP-4** (background picture 4)—**SIMPLE-1** (simple display 1)—**SIMPLE-2** (simple display 2)—**LEVEL METER** (level meter)—**VISUALIZER-1** (visualizer 1)—**VISUALIZER-2** (visualizer 2)—**VISUALIZER-3** (visualizer 3)—**SPECTRUM ANALYZER-1** (spectrum analyzer 1)—**SPECTRUM ANALYZER-2** (spectrum analyzer 2)—**MOVIE** (movie)—**ENT CLOCK** (entertainment clock)

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

- **BT Audio** – Bluetooth audio player
- **DVD** – DVD player/multi-DVD player
- To turn pause off, press **PGM** again.


### ● Press PGM and hold to turn BSM on when selecting tuner as the source.

Press **PGM** and hold until the BSM turns on.

- To cancel the storage process, press **PGM** again.

### ● Press PGM and hold to turn BSSM on when selecting television as the source.

Press **PGM** and hold until the BSSM turns on.

- To cancel the storage process, press **PGM** again. 

## Using the PGM button

You can operate the preprogrammed functions for each source by using **PGM** on the remote control.

### ● Press PGM to turn pause on when selecting the following sources:

- **CD** – Built-in CD player
- **iPod** – iPod
- **Multi CD** – Multi-CD player
- **USB** – USB portable audio player/USB memory



## Available accessories

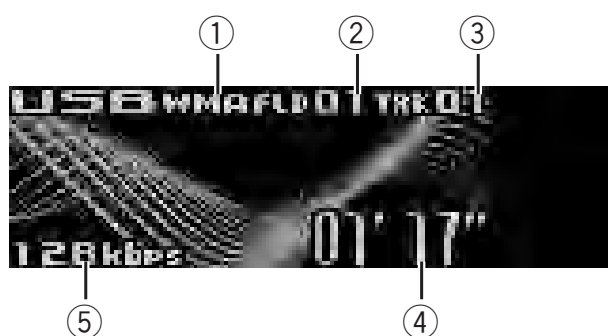
### USB adapter

#### Basic Operations

You can use this unit to control a USB adapter (e.g., CD-UB100), which is sold separately.

For details concerning operation, refer to the USB adapter's operation manual. This section provides information on USB portable audio player/USB memory operations with this unit which differs from that described in the USB adapter's operation manual.

- Optimum performance of this unit may not be obtained depending on the connected USB portable audio player/USB memory.



- ① **WMA/MP3/AAC** indicator  
Shows the type of file currently playing.
- ② Folder number indicator
- ③ Track number indicator
- ④ Play time indicator
- ⑤ Bit rate indicator

#### 1 Press **SOURCE** to select **USB**.

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

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

#### 3 To perform fast forward or reverse, push and hold **MULTI-CONTROL** left or right.

#### 4 To skip back or forward to another compressed audio file, push **MULTI-CONTROL** left or right.

### Selecting an audio file directly in the current folder

The operation is basically the same as that of the built-in CD player.

For details concerning operation, refer to *Selecting a track directly* on page 20.

### Introduction to advanced operations

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

**FUNCTION**, **AUDIO** and **ENTERTAINMENT** appear on the display.

#### 2 Use **MULTI-CONTROL** to select **FUNCTION**.

Turn to change the menu option. Press to select.

The function name appears on the display.

#### 3 Turn **MULTI-CONTROL** to select the function.

Turn **MULTI-CONTROL** to switch between the functions in the following order.

**Play mode** (repeat play)—**Random mode**

(random play)—**Scan mode** (scan play)—

**Pause** (pause)

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the playback display, press **BAND**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.

### Function and operation

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

## Available accessories

Function name	Operation
Play mode	<p>Refer to <i>Selecting a repeat play range</i> on page 21. 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:</p> <ul style="list-style-type: none"> <li>• <b>Track repeat</b> – Repeat just the current file</li> <li>• <b>Folder repeat</b> – Repeat the current folder</li> <li>• <b>All repeat</b> – Repeat all files</li> </ul>
Random mode	Refer to <i>Playing tracks in random order</i> on page 21.
Scan mode	Refer to <i>Scanning folders and tracks</i> on page 22.
Pause	Refer to <i>Pausing disc playback</i> on page 22.



### Notes

- If you select another folder during repeat play, the repeat play range changes to **All repeat**.
- If you perform track search or fast forward/reverse during **Track repeat**, the repeat play range changes to **Folder repeat**.
- When **Folder repeat** is selected, it is not possible to play back a subfolder of that folder.
- Scan play searches the file within the selected repeat range.  
While you are using **Track repeat** or **Folder repeat**, the beginning of each file in the folder is played for about 10 seconds.  
When you are using **All repeat**, the beginning of the each file in the USB portable audio player/USB memory is played for about 10 seconds.
- After scanning is finished, normal playback of the files will begin again.

## 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 23.

- If the characters recorded on the audio file are not compatible with this unit, those characters will not be displayed.

## Selecting files from the file name list

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

Refer to *Selecting tracks from the file name list* on page 24. 

## Available accessories

### Multi-CD Player

#### Basic Operations

You can use this unit to control a multi-CD player, which is sold separately.

- Only functions described in this manual are supported by 50-disc multi-CD players.
- This unit is not designed to operate disc title list functions with a 50-disc multi-CD player. For information about the disc title list functions, refer to *Selecting discs from the disc title list* on page 62.



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

**1 Press SOURCE to select the multi-CD player.**

**2 Push MULTI-CONTROL up or down to select a disc you want to listen to.**

- You can also select a disc by using **1** to **6** buttons on the remote control.
  - For discs 1 to 6, press the corresponding button number.
  - For discs 7 to 12, press and hold the corresponding numbers, such as **1** for disc 7, until the disc number appears in the display.

**3 To perform fast forward or reverse, push and hold MULTI-CONTROL left or right.**

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



#### Notes

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

### Selecting a track directly

The operation is basically the same as that of the built-in CD player.

For details concerning operation, refer to *Selecting a track directly* on page 20.

### Introduction to advanced operations

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

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

**FUNCTION, AUDIO** and **ENTERTAINMENT** appear on the display.

**2 Use MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

The function name appears on the display.

**3 Turn MULTI-CONTROL to select the function.**

Turn **MULTI-CONTROL** to switch between the functions in the following order.

**Play mode** (repeat play)—**Random mode**

(random play)—**Scan mode** (scan play)—

**Pause** (pause)—**Compression** (compression

and DBE)—**ITS play mode** (ITS play)—

**ITS memo** (ITS programming)—

**TitleInput "A"** (disc title input)

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the playback display, press **BAND**.

## Available accessories

- If you do not operate functions other than **ITS memo** and **TitleInput "A"** within about 30 seconds, the display automatically returns to the ordinary display.

### Function and operation

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

Function name	Operation
<b>Play mode</b>	Refer to <i>Selecting a repeat play range</i> on page 21. However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the multi-CD player are: <ul style="list-style-type: none"> <li>• <b>M-CD repeat</b> – Repeat all discs in the multi-CD player</li> <li>• <b>Track repeat</b> – Repeat just the current track</li> <li>• <b>Disc repeat</b> – Repeat the current disc</li> </ul>
<b>Random mode</b>	Refer to <i>Playing tracks in random order</i> on page 21.
<b>Scan mode</b>	Refer to <i>Scanning folders and tracks</i> on page 22.
<b>Pause</b>	Refer to <i>Pausing disc playback</i> on page 22.
<b>Compression</b>	Refer to <i>Using compression and BMX</i> on page 22. Multi-CD player has DBE (dynamic bass emphasis) function instead of BMX. The settings can be switched as below: <b>COMP OFF—COMP 1—COMP 2—COMP OFF—DBE 1—DBE 2</b>
<b>ITS play mode</b>	Refer to <i>Using ITS playlists</i> on this page.
<b>ITS memo</b>	Refer to <i>Using ITS playlists</i> on this page.
<b>TitleInput "A"</b>	Refer to <i>Entering disc titles</i> on the next page.



### Notes

- If you select other discs during repeat play, the repeat play range changes to **M-CD repeat**.
- If you perform track search or fast forward/reverse during **Track repeat**, the repeat play range changes to **Disc repeat**.
- After track or disc scanning is finished, normal playback of the tracks begins again.
- When playing a CD TEXT disc on a CD TEXT compatible multi-CD player, you cannot switch to **TitleInput "A"**. The disc title is already recorded on the CD TEXT disc.

## Using ITS playlists

ITS (instant track selection) lets you make a playlist of favorite tracks from the multi-CD player magazine. After you have added your favorite tracks to the playlist, you can turn on ITS play and play just those selections.

### Creating a playlist with ITS programming

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

- 1 Play a CD that you want to program.**  
Push **MULTI-CONTROL** up or down to select the CD.
- 2 Use MULTI-CONTROL to select ITS memo in the function menu.**
- 3 Select the desired track by pushing MULTI-CONTROL left or right.**
- 4 Push MULTI-CONTROL up to store the currently playing track in the playlist.**  
**Memory complete** is displayed and the currently playing selection is added to your playlist.
- 5 Press BAND to return to the playback display.**

## Available accessories



### Note

After data for 100 discs is stored in memory, data for a new disc will overwrite the oldest one.

### Playback from your ITS playlist

ITS play lets you listen to the tracks that you have entered into your ITS playlist. When you turn on ITS play, tracks from your ITS playlist in the multi-CD player begin to play.

#### 1 Select the repeat range.

Refer to *Playing tracks in random order* on page 21.

#### 2 Use MULTI-CONTROL to select ITS play mode in the function menu.

#### 3 Press MULTI-CONTROL to turn ITS play on.

Playback begins of those tracks from your playlist within the previously selected **M-CD repeat** or **Disc repeat** ranges.

- If no tracks in the current range are programmed for ITS play, then **ITS empty** is displayed.
- To turn ITS play off, press **MULTI-CONTROL** again.

### Erasing a track from your ITS playlist

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

If ITS play is already on, skip to step 2. If ITS play is off, use **MULTI-CONTROL**.

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

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

#### 2 Use MULTI-CONTROL to select ITS memo in the function menu.

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

#### 4 Push MULTI-CONTROL down to erase the track from your ITS playlist.

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

- If there are no tracks from your playlist in the current range, **ITS empty** is displayed and normal playback resumes.

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

### Erasing a CD from your ITS playlist

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

#### 1 Play the CD that you want to delete.

Push **MULTI-CONTROL** up or down to select the CD.

#### 2 Use MULTI-CONTROL to select ITS memo in the function menu.

#### 3 Push MULTI-CONTROL down to erase all tracks on the currently playing CD from your ITS playlist.

All tracks on the currently playing CD are deleted from your playlist and **Memory deleted** is displayed.

#### 4 Press BAND to return to the playback display.

### Using disc title functions

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

### Entering disc titles

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

For details concerning operation, refer to *Entering disc titles* on page 22.

## Available accessories

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

### Displaying disc titles

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

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

Refer to *Displaying text information on disc* on page 23.

### Selecting discs from the disc title list

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

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

#### 2 Use MULTI-CONTROL to select the desired disc title.

Turn to change the disc title. Press to play.

- You can also change the disc title by pushing **MULTI-CONTROL** up or down.

- When playing CD TEXT disc, push **MULTI-CONTROL** right to see a list of the tracks in the selected disc. Push **MULTI-CONTROL** left to return to the disc list.

- If no title is entered for a disc, **No D.Title** is displayed.

- **No Disc** is displayed next to the disc number when there is no disc in the magazine.

### Using CD TEXT functions

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

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

Refer to *Displaying text information on disc* on page 23. ■

## DVD Player

### Basic Operations

*You can use this unit to control a DVD player or multi-DVD player, which is sold separately.*

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



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

#### 1 Press SOURCE to select the DVD player/multi-DVD player.

#### 2 To perform fast forward or reverse, push and hold MULTI-CONTROL left or right.

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

## Available accessories

### Selecting a disc

- You can operate this function only when a multi-DVD player is connected to this unit.

- Press any of 1 to 6 on the remote control to select the desired disc.

### Selecting a folder

- You can operate this function only when a DVD player compatible with compressed audio playback is connected to this unit.

- Push MULTI-CONTROL up or down to select a folder.

## Introduction to advanced operations

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

FUNCTION, AUDIO and ENTERTAINMENT appear on the display.

- 2 Use MULTI-CONTROL to select FUNCTION.

Turn to change the menu option. Press to select.

The function name appears on the display.

- 3 Turn MULTI-CONTROL to select the function.

Turn MULTI-CONTROL to switch between the functions in the following order.

**During DVD video or Video CD playback**

**Play mode** (repeat play)—**Pause** (pause)

**During CD playback**

**Play mode** (repeat play)—**Random mode**

(random play)—**Scan mode** (scan play)—

**Pause** (pause)—**ITS play mode** (ITS play)—

**ITS memo** (ITS input)—**TitleInput "A"** (disc title input)

**During compressed audio playback**

**Play mode** (repeat play)—**Random mode**

(random play)—**Scan mode** (scan play)—

**Pause** (pause)

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the playback display, press **BAND**.

### Function and operation

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

Function name	Operation
<b>Play mode</b>	<p>Refer to <i>Selecting a repeat play range</i> on page 21.</p> <p>But the repeat play range that you can select is vary depending on the type of disc or system. The repeat play ranges of the DVD player/multi-DVD player are as below:</p> <p>During PBC playback of Video CDs, this function cannot be operated.</p> <ul style="list-style-type: none"> <li>• <b>Disc repeat</b> – Repeat the current disc</li> <li>• <b>Folder repeat</b> – Repeat the current folder</li> <li>• <b>Title repeat</b> – Repeat just the current title</li> <li>• <b>Chapter repeat</b> – Repeat just the current chapter</li> <li>• <b>Track repeat</b> – Repeat the current track</li> </ul>
<b>Random mode</b>	Refer to <i>Playing tracks in random order</i> on page 21.
<b>Scan mode</b>	Refer to <i>Scanning folders and tracks</i> on page 22.
<b>Pause</b>	Refer to <i>Pausing disc playback</i> on page 22.
<b>ITS play mode</b>	Refer to <i>Using ITS playlists</i> on page 60.
<b>ITS memo</b>	Refer to <i>Using ITS playlists</i> on page 60.
<b>TitleInput "A"</b>	Refer to <i>Entering disc titles</i> on page 22.





## Notes

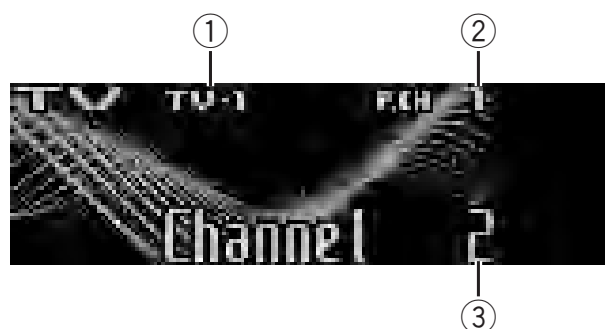
- If you select other discs during repeat play, the repeat play range changes to **Disc repeat**.
- When playing back Video CD or CD, if you perform track search or fast forward/reverse during **Track repeat**, the repeat play range changes to **Disc repeat**.
- When playing back compressed audio, if you select another folder during repeat play, the repeat play range changes to **Disc repeat**.
- When playing back compressed audio, if you perform track search or fast forward/reverse during **Track repeat**, the repeat play range changes to **Folder repeat**.
- Multi-DVD player that has ITS functions and disc title functions can also be connected to this unit. In this case, **ITS play mode**, **ITS memo** and disc title input can be controlled.
- The ITS function of a DVD player differs slightly from ITS playback with a multi-CD player. With multi-DVD player, ITS playback applies only to the CD playing. For details, refer to *Using ITS playlists* on page 60. ■

## TV tuner

## Basic Operations

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

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



- ① Band indicator
- ② Preset number indicator
- ③ Channel indicator

### 1 Press SOURCE to select the TV.

### 2 Press BAND to select a band.

Press **BAND** until the desired band (**TV-1** or **TV-2**) is displayed.

### 3 To perform manual tuning, push MULTI-CONTROL left or right.

### 4 To perform seek tuning, push and hold MULTI-CONTROL left or right for about one second and release.

The tuner will scan the channels until a broadcast strong enough for good reception is found.

- You can cancel seek tuning by pushing **MULTI-CONTROL** left or right.
- If you push and hold **MULTI-CONTROL** left or right, you can skip broadcasting channels. Seek tuning starts as soon as you release **MULTI-CONTROL**.



## Available accessories

### Storing and recalling broadcast stations

You can easily store up to 12 broadcast stations for later recall.

- Up to 24 stations, 12 for each of two TV bands, can be stored in memory.

**1 When you find a station that you want to store in memory press LIST.**

**2 Use MULTI-CONTROL to store the selected station in memory.**

Turn to change the preset number. Press and hold to store.

The preset number you have selected flashes and then remains lit. The selected station is stored in memory.

**3 Use MULTI-CONTROL to select the desired station.**

Turn to change the station. Press to select.

- You can also change the station by pushing **MULTI-CONTROL** up or down.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

### Using the remote control

You can also store and recall stations assigned to preset tuning numbers **P.CH 1** to **P.CH 6** by using the remote control.

● **When you find a station that you want to store in memory, press one of preset tuning buttons 1 to 6 and hold until the preset number stops flashing.**

The number you have pressed will flash in the preset number indicator and then remain lit. The selected station has been stored in memory.

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

- You can also recall stations assigned to preset tuning numbers by pushing **MULTI-CONTROL** up or down during the channel display.

### Storing the strongest broadcast stations sequentially

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

**FUNCTION, AUDIO** and **ENTERTAINMENT** appear on the display.

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

Turn to change the menu option. Press to select.

- You can also select the function by pressing **FUNCTION** on the remote control.

**3 Press MULTI-CONTROL to turn BSSM on.**

**Searching** is displayed. While **Searching** is displayed, the 12 strongest broadcast stations will be stored in order from the lowest channel up. When finished, the preset channel list appears.

- To cancel the storage process, press **MULTI-CONTROL** again.

**4 Use MULTI-CONTROL to select the desired station.**

Turn to change the station. Press to select.

- You can also change the station by pushing **MULTI-CONTROL** up or down.
- To return to the channel display, press **BAND**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.



#### Note

Storing broadcast stations with BSSM may replace broadcast stations you have saved using **P.CH 1** to **P.CH12**. □

## Additional Information

### Troubleshooting

#### iPod

Symptom	Cause	Action
iPod doesn't operate correctly.	Cables are incorrectly connected.	Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod.

#### 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.



### Understanding 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
<b>ERROR-11, 12, 17, 30</b>	Dirty disc	Clean disc.

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

#### iPod

Message	Cause	Action
<b>ERROR-11</b>	Communication failure	Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod.
<b>ERROR-21</b>	Old version of iPod	Update the iPod version.
<b>ERROR-30</b>	iPod failure	Reset the iPod.
<b>ERROR-A0</b>	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.

## Additional Information

<b>No Songs</b>	No songs	Transfer the songs to iPod.
<b>STOP</b>	No songs in the current list	Select a list that contains the songs.

### Bluetooth audio/telephone

Message	Cause	Action
<b>ERROR-10</b>	Built-in Bluetooth unit encountered an error	Turn the ignition OFF and ON.
<b>ERROR-80</b>	Built-in FLASH ROM encountered an error	Turn the ignition OFF and ON.



## 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

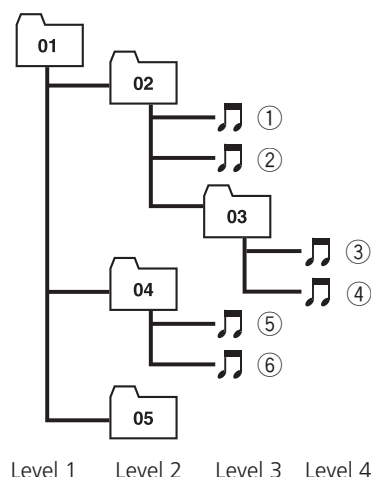
### Compressed audio files

- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- Depending on the software (or the version of the software) used to encode the audio files, this unit may not operate properly.
- There may be a slight delay when starting playback of WMA/AAC files encoded with image data.
- 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.
- Only 64 characters from the beginning can be displayed as a file name (including the extension such as .wma, .mp3, .m4a or .wav) or a folder name.
- Folder selection sequence or other operation may be altered depending on the encoding or writing software.
- Regardless of the length of blank section between the songs of original recording, compressed audio discs play with a short pause between songs.
- File extensions such as .wma, .mp3, .m4a or .wav must be used properly.
- 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
- Only 32 characters from the beginning can be displayed as a file name (including the extension such as .wma, .mp3, .m4a or .wav) or a folder name when using Russian text.

### Example of a hierarchy

📁: Folder

🎵: Compressed audio file



- This unit assigns folder numbers. The user cannot assign folder numbers.
- Folder hierarchy is allowed up to eight tiers. However, a practical hierarchy of folder is less than two tiers.
- Up to 99 folders on a disc can be played back.

### Compressed audio compatibility

#### WMA

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

#### MP3


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

## Additional Information


### AAC

- Compatible format: AAC encoded by iTunes®
- Sampling frequency: 11.025 kHz to 48 kHz
- Transmission rate: 16 kbps to 320 kbps
- Apple Lossless: No

### 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) 

### 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) 

## 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

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

## 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 .....	178 mm × 50 mm × 165 mm
Nose .....	188 mm × 58 mm × 16 mm
D	
Chassis .....	178 mm × 50 mm × 165 mm
Nose .....	170 mm × 45 mm × 16 mm
Weight .....	1.7 kg

#### Audio

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

#### CD player

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

AAC decoding format .....	MPEG-4 AAC (iTunes® encoded only) (.m4a) (Ver. 7.2 and earlier)
WAV signal format .....	Linear PCM & MS ADPCM

#### FM tuner

Frequency range .....	87.5 MHz to 108.0 MHz
Usable sensitivity .....	8 dBf (0.7 $\mu$ V/75 $\Omega$ , mono, S/N: 30 dB)
Signal-to-noise ratio .....	75 dB (IEC-A network)

#### MW tuner

Frequency range .....	531 kHz to 1 602 kHz (9 kHz)
Usable sensitivity .....	18 $\mu$ V (S/N: 20 dB)
Signal-to-noise ratio .....	65 dB (IEC-A network)

#### LW tuner

Frequency range .....	153 kHz to 281 kHz
Usable sensitivity .....	30 $\mu$ V (S/N: 20 dB)
Signal-to-noise ratio .....	65 dB (IEC-A network)

#### Bluetooth

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

#### Infrared remote control

Wavelength .....	940 nm ±50 nm
Output .....	typ; 12 mw/sr per Infrared LED



#### Note

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