

**CD RDS Receiver**

**Operation Manual**

# DEH-P7900UB

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to register your product

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

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## Contents

### Thank you for buying this Pioneer product

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

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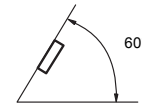
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## Installation

### Notes

- Check all connections and systems before final installation.
- Do not use unauthorized parts. The use of unauthorized parts may cause malfunctions.
- Consult with your dealer if installation requires drilling of holes or other modifications of the vehicle.
- Do not install this unit where:
  - it may interfere with operation of the vehicle.
  - it may cause injury to a passenger as a result of a sudden stop.
- The semiconductor laser will be damaged if it overheats. Install this unit away from hot places such as near the heater outlet.
- Optimum performance is obtained when the unit is installed at an angle of less than 60°.

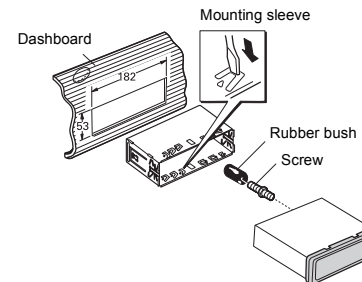


## DIN Front/Rear-mount

This unit can be properly installed either from "Front" (conventional DIN Front-mount) or "Rear" (DIN Rear-mount installation, utilizing threaded screw holes at the sides of unit chassis). For details, refer to the following installation methods.

## DIN Front-mount

### Installation with the rubber bush

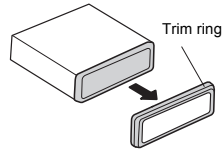


## Installation

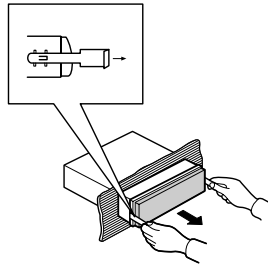
1. Insert the mounting sleeve into the dashboard.
  - When installing in a shallow space, use a supplied mounting sleeve. If there is enough space behind the unit, use factory supplied mounting sleeve.
2. Secure the mounting sleeve by using a screwdriver to bend the metal tabs (90°) into place.
3. Install the unit as illustrated.

### Removing the Unit

1. Extend top and bottom of the trim ring outwards to remove the trim ring. When reattaching the trim ring, push the trim ring onto the unit until it clicks. (If the trim ring is attached upside down, the trim ring will not fit properly.)
  - It becomes easy to remove the trim ring if the front panel is released.

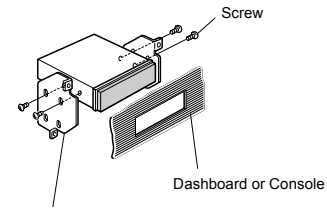
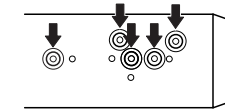
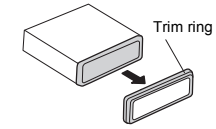


2. Insert the supplied extraction keys into both sides of the unit until they click into place.
3. Pull the unit out of the dashboard.



## DIN Rear-mount

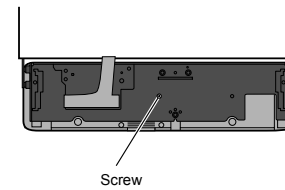
1. Extend top and bottom of the trim ring outwards to remove the trim ring. When reattaching the trim ring, push the trim ring onto the unit until it clicks. (If the trim ring is attached upside down, the trim ring will not fit properly.)
  - It becomes easy to remove the trim ring if the front panel is released.
2. Determine the appropriate position where the holes on the bracket and the side of the unit match.
3. Tighten two screws on each side.
  - Use either truss screws (5 mm x 8 mm) or flush surface screws (5 mm x 9 mm), depending on the shape of screw holes in the bracket.



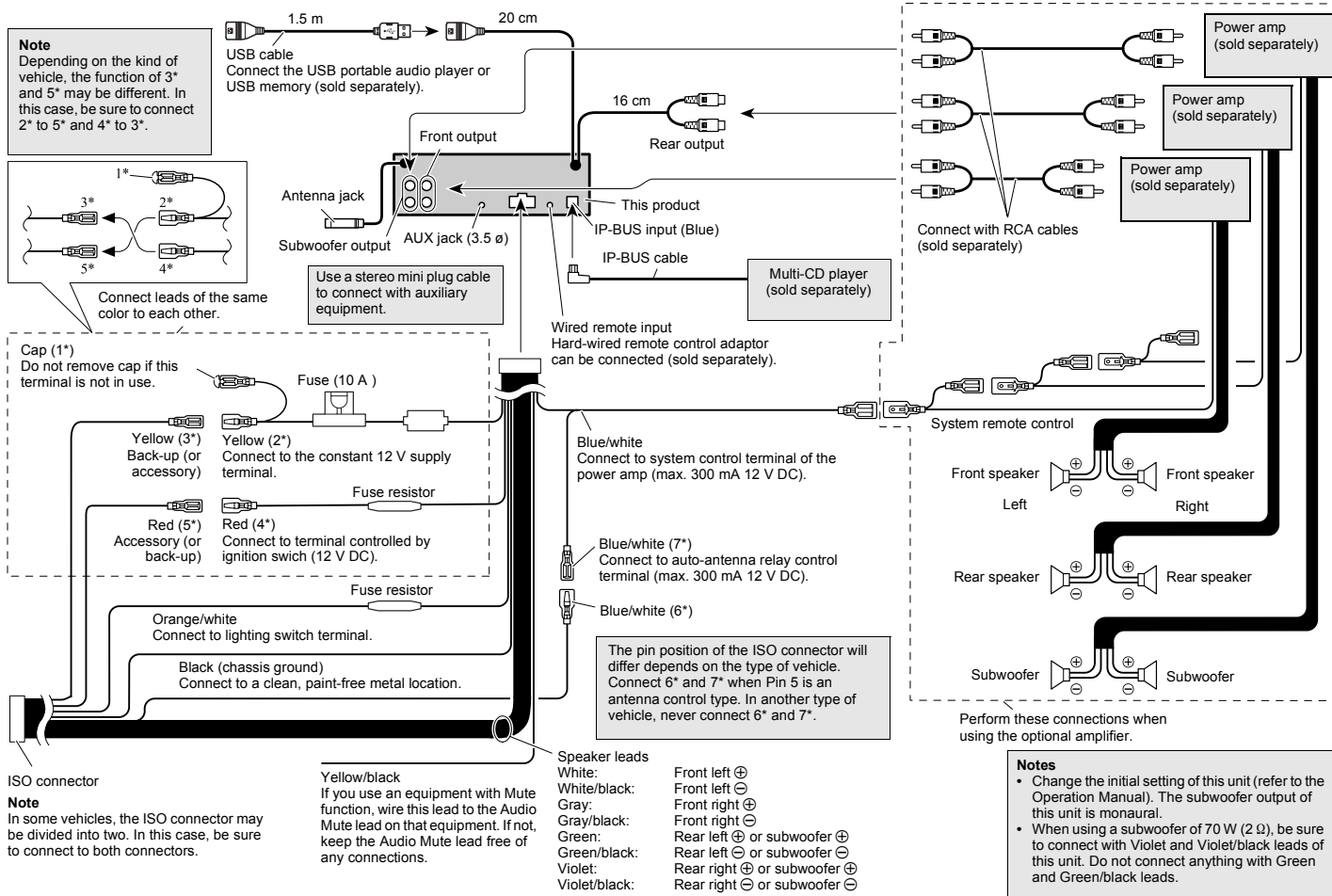
Factory radio mounting bracket

## Fastening the front panel

If you do not plan to detach the front panel, the front panel can be fastened with supplied screw.



## Connecting the Units



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## Connecting the Units

### Notes

- When this unit is installed in a vehicle without ACC (accessory) position on the ignition switch, red cable must be wired to the terminal that can detect the operation of the ignition key. Otherwise, battery drain may result.



ACC position



No ACC position

- Use this unit in other than the following conditions could result in fire or malfunction.
  - Vehicles with a 12-volt battery and negative grounding.
  - Speakers with 50 W (output value) and 4 ohm to 8 ohm (impedance value).
- To prevent short-circuit, overheating or malfunction, be sure to follow the directions below.
  - Disconnect the negative terminal of the battery before installation.
  - Secure the wiring with cable clamps or adhesive tape. To protect the wiring, wrap adhesive tape around them where they lie against metal parts.
  - Place all cables away from moving parts, such as gear shift and seat rails.
  - Place all cables away from hot places, such as near the heater outlet.
  - Do not pass the yellow cable through a hole into the engine compartment to connect to a battery.
  - Cover any disconnected cable connectors with insulating tape.
  - Do not shorten any cables.
  - Never cut the insulation of the power cable of this unit in order to share the power to other equipment. Current capacity of the cable is limited.
  - Use a fuse of the rating prescribed.
  - Never wire the speaker negative cable directly to ground.
  - Never band together multiple speaker's negative cables.
- Control signal is output through blue/white cable when this unit is powered on. Connect it to an external power amp's system remote control or the vehicle's auto-antenna relay control terminal (max. 300 mA, 12 V DC). If the vehicle is equipped with a glass antenna, connect it to the antenna booster power supply terminal.
- Never connect blue/white cable to external power amp's power terminal. Also, never connect it to the power terminal of the auto antenna. Otherwise, battery drain or malfunction may result.
- IP-BUS connectors are color-coded. Be sure to connect connectors of the same color.
- Black cable is ground. This cable and other product's ground cable (especially, high-current products such as power amp) must be wired separately. Otherwise, fire or malfunction may result if they are accidentally detached.

- Cord function may differ according to the product, even if cord color is the same. When connecting this system, be sure to check all manuals and connect cords correctly.

## 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 25 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, this unit damage, smoke, and overheat 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.

## Before You Start

### About WMA

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

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

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

- 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>.

### 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® version 6.0.5 and earlier.

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

### Portable audio player compatibility

This unit controls portable audio player with USB interface.

- This unit can play back a WMA/MP3/AAC file on the USB audio player/USB memory.
- You can listen to songs by connecting USB portable audio player/USB memory that is USB Mass Storage Class compliant. For details about the supported USB memory, refer to "USB audio player/USB memory compatibility" on page 48.

### iPod® compatibility

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

You can connect and listen to songs on an iPod with Dock Connector or USB interface.

- When using an iPod with Dock Connector, iPod Dock Connector to USB Cable is required.
- Pioneer CD-IU50 interface cable is also available. For details, consult your dealer.
- This unit controls the iPod listed below.
  - iPod nano or 5th generation iPod or later
  - Firmware Ver. 1.2 or later
- This unit can control previous generations of iPod with a Pioneer iPod adapter (e.g. CD-IB100II). In this case, most functions are essentially the same as iPod connected to USB interface of this unit. However, functions related to Audiobooks and Podcast can not be used. For details concerning operation with iPod adapter, refer to "Playing songs on iPod" on page 31.
- iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

### CAUTION

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

### Visit our website

Visit us at the following site:

**[www.pioneer.co.uk](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.

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## 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.

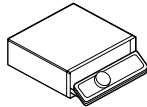
- If the front panel is not detached from the head unit within five seconds of turning off the ignition, a warning tone will sound and the front panel will open.
- You can turn off the warning tone. See "Switching the warning tone" on page 27.
- You can turn off the face auto open. See "Switching the face auto open" on page 27.

#### Important

- Handle gently when removing or attaching the front panel.
- Avoid subjecting the front panel to excessive shocks.
- 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.

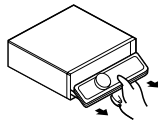
### Removing the front panel

1. Press and hold EJECT to open the front panel.



2. Slide and remove the front panel toward you.

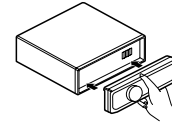
Take care not to grip it too tightly or to drop the front panel and protect it from contact with water or other fluids to prevent permanent damage.



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

### Attaching the front panel

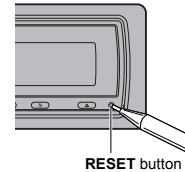
1. Make sure the inner cover is closed.
2. Replace the front panel by clipping it into place.



### 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.





## Before You Start

### 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

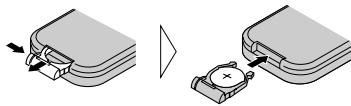
The feature demo automatically starts when power to this unit is turned off while the ignition switch is set to ACC or ON. Pressing **DISPLAY** during feature demo operation cancels the feature demo mode. Press **DISPLAY** again to start the feature demo mode. Remember that if the feature demo continues 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 out on the back of the remote control and insert the battery with the plus (+) and minus (-) poles pointing in the proper direction.

- 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, immediately consult a doctor.

#### ⚠ CAUTION

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

#### Using the remote control

- Point the remote control in the direction of the front panel to operate.
- The remote control may not function properly in direct sunlight.

#### Important

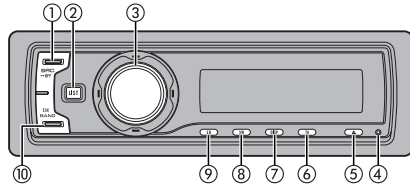
- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal.

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## Operating this unit

### What's What

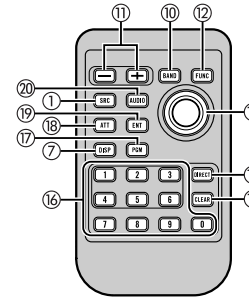
#### Head unit



- ① **SOURCE button**  
This unit is turned on by selecting a source. Press to cycle through all the available sources.
- ② **LIST button**  
Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.
- ③ **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.
- ④ **RESET button**  
Press to reset the microprocessor.
- ⑤ **EJECT button**  
Press to eject a CD from your built-in CD player.  
Press and hold to open or close the front panel.
- ⑥ **TA/NEWS button**  
Press to turn TA function on or off. Press and hold to turn NEWS function on or off.
- ⑦ **DISPLAY button**  
Press to select different displays.
- ⑧ **SW button**  
Press to select the subwoofer setting menu. Press and hold to select the bass boost setting menu.
- ⑨ **EQ button**  
Press to select various equalizer curves.
- ⑩ **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.



- ⑪ **VOLUME buttons**  
Press to increase or decrease the volume.
- ⑫ **FUNCTION button**  
Press to select functions.
- ⑬ **Joystick**  
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.
- ⑭ **DIRECT button**  
Press to directly select the desired track.
- ⑮ **CLEAR button**  
Press to cancel the input number when 0 to 9 are used.
- ⑯ **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.
- ⑰ **PGM button**  
Press to operate the preprogrammed functions for each source. (Refer to "Using the PGM button" on page 30.)
- ⑱ **ATT button**  
Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.
- ⑲ **ENTERTAINMENT button**  
Press to change to the entertainment display.
- ⑳ **AUDIO button**  
Press to select various sound quality controls.

## Operating this unit

### 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 16).

- 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 there is no unit corresponding to the selected source connected to this unit.
  - When there is no disc or magazine in the player.
  - When the AUX (auxiliary input) is set to off (refer to page 27).
  - When the **BT Audio** source is set to off (refer to "Activating the BT Audio source" on page 29).
- AUX1 is set to on by default. Turn off the AUX1 when not in use (refer to "Switching the auxiliary setting" on page 27).
- Charging the portable audio player using car's DC power source while connecting it to AUX input may generate noise. In this case, stop charging.
- External unit refers to a Pioneer product (such as one available in the future) that, although incompatible as a source, enables control of basic functions by this unit. Two external units can be controlled by this unit. When two external units are connected, the allocation of them to external unit 1 or external unit 2 is automatically set by this unit.
- When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off.

#### Adjusting the volume

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

### Tuner

#### Basic Operations

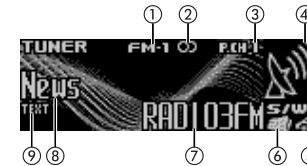
This unit's AF (alternative frequencies search) function can be turned on and off. AF should be off for normal tuning operation (refer to page 13).

#### RDS

RDS (radio data system) contains inaudible informations that helps searching of 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.

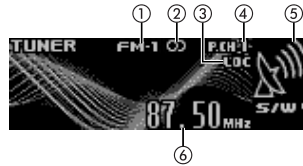
- ① **Band indicator**
- ② **Stereo (◐) indicator**  
Shows when the selected frequency is being broadcast in stereo.
- ③ **Preset number indicator**
- ④ **Signal level indicator**  
Shows the radio wave strength.
- ⑤ **TP (📶) indicator**  
Shows when a TP station is tuned in.
- ⑥ **News (📰) indicator**  
Shows 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.



## Operating this unit

### Non-RDS or MW/LW

- ① Band indicator
- ② Stereo (◻) indicator  
Shows when the selected frequency is being broadcast in stereo.
- ③ LOC indicator  
Shows when local seek tuning is on.
- ④ Preset number indicator
- ⑤ Signal level indicator  
Shows the radio wave strength.
- ⑥ 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.
- If you push and hold **MULTI-CONTROL** left or right you can skip stations. Seek tuning starts as soon as you release **MULTI-CONTROL**.

### 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 is automatically returned 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.

### Introduction of 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 is automatically returned to the ordinary display.

## Operating this unit

### 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.**

Six strongest broadcast frequencies will be 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 can't get good reception, the unit automatically search for a different station in a same network.

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

**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 can't find a suitable station, or reception status becomes bad, the unit will automatically search for a different station with a 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 27.

### 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.


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## Operating this unit

### 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.

**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 page 15.

**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 page 15.

- 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.**

Press **TA/NEWS** until **NEWS ON** appears in the display.

- To turn off news program interruption, press **TA/NEWS** and hold until **OFF** appears in the display.
- A news program can be canceled by pressing **TA/NEWS**.

**Note**

- You can also turn on or off news program 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**.

## Operating this unit

### 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.

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

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## Operating this unit

### 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 49 for files that can be played back.)

Read the precautions with discs and player on page 47.

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.



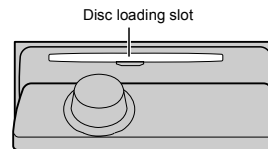
**1. Press EJECT to open the front panel.**

Disc loading slot appears.

**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 18.)

**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 "Error messages" on page 46.
- 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. About Ever Scroll, refer to "Switching the Ever Scroll" on page 29.
- 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.)
- Depending on the character sets in the disc, Russian texts may be garbled. About the allowed character sets for Russian texts, refer to "Compressed audio files on the disc" on page 49.

#### 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.

**1. Press DIRECT.**

Track number input display appears.

**2. Press 0 to 9 buttons to enter the desired track number.**

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



## Operating this unit

### 3. Press **DIRECT**.

The track of 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 of 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 is automatically returned 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 just 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

Random play plays tracks in a random order within the selected repeat range.

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 will play in a random order.

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

### Scanning folders and tracks

Scan play searches the song within the selected repeat range.

Refer to "Selecting a repeat play range" on this 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 will begin again.

### 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.

## Operating this unit

### 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 will be displayed.

#### Entering disc titles

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

1. Play the CD that you want to enter a title for.
2. Use **MULTI-CONTROL** to select TitleInput "A" in the function menu.
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, â, 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 has been removed from the unit, and are recalled when the disc is reinserted.
- After data for 48 discs has been stored in memory, data for a new disc will overwrite the oldest one.
- If you connect a multi-CD player, you can input disc titles for up to 100 discs.
- 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 discs

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 has not been 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 29.

## Operating this unit

### Selecting tracks from the track title list

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

1. Press **LIST** to switch to the track title list mode.
2. Use **MULTI-CONTROL** to select the desired track title.

Turn to change the track title; press to play.

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

## Playing songs on USB portable audio player/USB memory

### Basic Operations

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.
  - When playing playlists, you cannot select a folder.
  - When playing USB portable audio player or USB memory, pressing and holding **BAND** returns to folder 01 (ROOT). 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.

Pushing **MULTI-CONTROL** right skips to the start of the next audio file. Pushing **MULTI-CONTROL** left once skips to the start of the current audio file. Pushing again will skip to the previous audio file.

#### Notes

- When the USB portable audio player having battery charging function connects to this unit and the ignition switch is set to ACC or ON, the battery is charged.
- You can disconnect the USB portable audio player/USB memory anytime you want to finish listening to.
- When disconnecting the USB portable audio player/USB memory from this unit during playback, **No Device** is displayed.

ENGLISH

## Operating this unit

### Selecting an audio file directly in the current folder

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

- When playing playlists, this function cannot be used.

**1. Press DIRECT.**

Audio file number input display appears.

**2. Press 0 to 9 buttons to enter the desired track number.**

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

**3. Press DIRECT.**

The audio file of 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 of 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 is automatically returned to the ordinary display.

### Selecting a repeat play range

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

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

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

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

- **Track repeat** – Repeat just the current file
- **Folder repeat** – Repeat the current folder
- **All repeat** – Repeat all files

**Notes**

- When playing playlists, **Playlists** is displayed.
- 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.

### Playing files in random order

Random play plays tracks in a random order within the selected repeat range.

**1. Select the repeat range.**

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

**3. Press MULTI-CONTROL to turn random play on.**

Audio files will play in a random order.

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

### Scanning folders and files

Scan play searches the file within the selected repeat range.

**1. Select the repeat range.**

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

**3. Press MULTI-CONTROL to turn scan play on.**

The first 10 seconds of each file of the current folder (or the first file of each folder) is played.

**4. When you find the desired file (or folder) press MULTI-CONTROL to turn scan play off.**

The file (or folder) will continue to play.

- If the display has automatically returned to the playback display, select **Scan mode** again by using **MULTI-CONTROL**.
- After file or folder scanning is finished, normal playback of the files will begin again.

## Operating this unit

### Pausing 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.

### Displaying text information of an audio file

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

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

- If the characters recorded on the audio file are not compatible with a head unit, those characters will not be displayed.
- If specific information has not been recorded on an audio file, title or name is not displayed.
- The text information of some audio files may not be correctly displayed.

#### Notes

- You can scroll to the left the text information 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 29.

### Selecting files from the file name list

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

1. Press **LIST** to switch to the file name list mode.

Names of files and folders appear in the display.

2. Use **MULTI-CONTROL** to select the desired file name (or folder name).

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

- When playlist is selected, pressing **MULTI-CONTROL** starts playback of the files in the selected playlist.
- You can also change the name of 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.

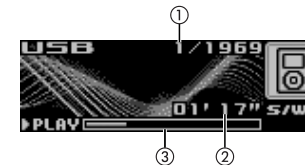
- Number of the folders/files in the currently selected folder will be indicated on the right side of the display.
- If you do not operate the list within about 30 seconds, the display is automatically returned to the ordinary display.

## Playing songs on iPod

You can connect and listen to songs on an iPod with Dock Connector or USB interface. When using an iPod with Dock Connector, iPod Dock Connector to USB Cable is required.

### Basic Operations

- Song number indicator
- Play time indicator
- Song time (progress bar)



1. Press **SOURCE** to select **USB**.

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

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.

Pushing **MULTI-CONTROL** right skips to the start of the next song. Pushing **MULTI-CONTROL** left once skips to the start of the current song. Pushing again will skip to the previous song.

#### Notes

- Read the precautions with iPod on page 49.
- If an error message such as **ERROR-11** is displayed, refer to "Error messages" on page 46.
- 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 itself cannot be turned on or off.
- Before connecting the dock connector of this unit to the iPod, disconnect the headphones from the iPod.
- The iPod connected to this unit is turned off about two minutes after the ignition switch is set to OFF.

## Operating this unit

### Browsing for a song

The operation of this unit to control an iPod is designed to be as close to the operation of the iPod as possible for easy operation and song search.

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

- You can start playback throughout the selected category by pressing and holding **MULTI-CONTROL**.
- 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.
- If you do not operate the list within about 30 seconds, the display is automatically returned to the ordinary display.

#### 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 will not be displayed.

#### Notes

- You can scroll to the left the text information 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 29.

### Introduction of 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) – **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 is automatically returned 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 the other songs.

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

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

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

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

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

For playback of the 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.

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

- **Shuffle Songs** – Play back songs in a random order within the selected list
- **Shuffle Albums** – Select an album randomly, and then play back all the songs in it in order
- **Shuffle OFF** – Cancel the random play

## Operating this unit

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

This method plays all songs on the iPod randomly.

1. Use **MULTI-CONTROL** to select **Shuffle all** in the function menu.
2. Press **MULTI-CONTROL** to turn **shuffle all** on.  
Press **MULTI-CONTROL** repeatedly until the desired setting appears in the display. All songs on the iPod will play randomly.
  - Pressing and holding **MULTI-CONTROL** during the normal playback display can also control this function.

### 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

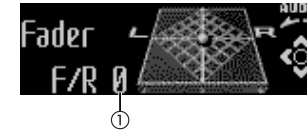
While listening to an audiobook on iPod, playback speed can be changed.

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

## 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 the FM tuner 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 you an 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.

## Operating this unit

- **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 28.
- 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 car 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           |
| Custom1  | Custom 1        |
| Custom2  | Custom 2        |
| Flat     | Flat            |
| S.Bass   | Super bass      |

- **Custom1** and **Custom2** are adjusted equalizer curves that you create. Adjustments can be made with a 7-band graphic equalizer.
  - When **Flat** is selected no supplement or correction is made to the sound. This is useful to check the effect of the equalizer curves by switching alternatively between **Flat** and a set equalizer curve.
- **Press EQ to select the equalizer.**  
Press **EQ** repeatedly to switch between the following equalizers:  
**Powerful – Natural – Vocal – Custom1 – Custom2 – Flat – 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 – Custom1 – Custom2 – Flat – 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 **Custom1** and **Custom2** equalizer curves, you can adjust the level of each band.

- A separate **Custom1** curve can be created for each source. (The built-in CD player and the multi-CD player are set to the same equalizer adjustment setting automatically.) If you make adjustments when a curve other than **Custom2** is selected, the equalizer curve settings will be memorized in **Custom1**.
- A **Custom2** curve can be created common to all sources. If you make adjustments when the **Custom2** curve is selected, the **Custom2** curve will be updated.

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

See "Recalling equalizer curves" on this 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**



## Operating this unit

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.
  - **+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**.
  - You can also select the subwoofer setting menu by pressing **SW** on the unit.
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**.
  - You can also select the subwoofer setting menu by pressing **SW** on the unit.
  - 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 lower than 100 Hz. The more the bass level is increased, the more the bass sound is emphasized and the entire sound becomes powerful. When using this function with the subwoofer, the sound under the cut-off frequency is boosted.

1. Use **MULTI-CONTROL** to select **Bass**.
  - You can also select the bass boost setting by pressing and holding **SW**.
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 outputted from the front or rear speakers.

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

## Operating this unit

### 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 tuner volume level, which remains unchanged.

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

### 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.

#### 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) – **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)

Use the following instructions to operate each particular setting.

- You can also select the function by pressing **FUNCTION** on the remote control.
- **BT AUDIO** and **Pin code input** can be selected only when Bluetooth adapter (e.g., CD-BTB100) is connected to this unit.
- To cancel initial settings, press **BAND**.

### Selecting the display language

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

#### 1. Use MULTI-CONTROL to select Language select.

#### 2. Press MULTI-CONTROL to select the language.

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

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

## Operating this unit

### Setting the clock

Use these instructions to set the clock.

1. Use **MULTI-CONTROL** to select **Clock**.
2. Push **MULTI-CONTROL** left or right to select the segment of the clock display you wish to set.

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

Hour – Minute

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

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

#### Notes

- You can match the clock to a time signal by pressing **MULTI-CONTROL**.
  - If the minute is **00** to **29**, the minutes are rounded down. (e.g., **10:18** becomes **10:00**.)
  - If the minute is **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, when the sources and the feature demo are off, the clock display appears on the display.

1. Use **MULTI-CONTROL** to select **Off clock**.
2. Press **MULTI-CONTROL** to turn the off clock display on.
  - To turn the off clock display off, press **MULTI-CONTROL** again.

### Setting the FM tuning step

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

1. Use **MULTI-CONTROL** to select **FM step**.
2. Press **MULTI-CONTROL** to select the **FM tuning step**.

Pressing **MULTI-CONTROL** repeatedly will switch the FM tuning step between 50 kHz and 100 kHz while AF or TA is on. The selected FM tuning step will appear in the display.

#### Note

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

### Switching Auto PI Seek

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

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

### Switching the warning tone

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

1. Use **MULTI-CONTROL** to select **Warning tone**.
2. 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. Use **MULTI-CONTROL** to select **Face auto open**.
2. 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 equipments connected to this unit can be activated individually. Set each AUX source to ON when using. About connecting or using auxiliary equipments, refer to "Using the AUX source" on page 29.

1. Use **MULTI-CONTROL** to select **AUX1/AUX2**.
2. Press **MULTI-CONTROL** to turn **AUX1/AUX2 on**.
  - To turn AUX off, press **MULTI-CONTROL** again.

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## Operating this unit

### Switching the dimmer setting

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

1. Use **MULTI-CONTROL** to select **Dimmer**.
2. Press **MULTI-CONTROL** to turn dimmer on.
  - To turn dimmer off, press **MULTI-CONTROL** again.

### Adjusting the brightness

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

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

### Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads 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. Use **MULTI-CONTROL** to select **S/W control**.
2. 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**.
  - When a subwoofer is connected to the rear output, set for subwoofer **Rear SP :S/W**.

#### 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 25).
- If you change this setting, subwoofer output in the audio menu return to the factory settings.
- Both rear speaker leads outputs and RCA rear output are switched simultaneously in this setting.

### Switching the sound muting/attenuation

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

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

1. Use **MULTI-CONTROL** to select **Mute**.
2. Press **MULTI-CONTROL** to switch the telephone muting/attenuation.

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

### Switching the feature demo

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

1. Use **MULTI-CONTROL** to select **Demonstration**.
2. Press **MULTI-CONTROL** to turn the feature demo on.
  - To turn the feature demo off, press **MULTI-CONTROL** again.

#### Notes

- Remember that if the feature demo continues operating when the car engine is turned off, it may drain battery power.
- You can also turn on or off feature demo by pressing **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 within about 30 seconds, screen indications start to reverse, and then continue reversing every 10 seconds.

1. Use **MULTI-CONTROL** to select **Reverse mode**.
2. Press **MULTI-CONTROL** to turn the reverse mode on.
  - To turn the reverse mode off, press **MULTI-CONTROL** again.

#### Note

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

## Operating this unit

### Switching the Ever Scroll

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

1. Use **MULTI-CONTROL** to select **Ever-scroll**.
2. 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.

- Only when Bluetooth adapter (e.g. CD-BTB100) is connected to this unit, you can operate this function.
1. Use **MULTI-CONTROL** to select **BT AUDIO**.
  2. Press **MULTI-CONTROL** to turn the **BT Audio** source on.
    - To turn the **BT Audio** source off, press **MULTI-CONTROL** again.

### Entering PIN code for Bluetooth wireless connection

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

- With some Bluetooth audio players, you may be required to enter to this unit in advance PIN code of your Bluetooth audio player, in order to set this unit ready for a connection from your Bluetooth audio player.
  - Only when Bluetooth adapter (e.g. CD-BTB100) is connected to this unit, you can operate this function.
1. Use **MULTI-CONTROL** to select **Pin code input**.
  2. Push **MULTI-CONTROL** up or down to select a number.
  3. Push **MULTI-CONTROL** left or right to move the cursor to the previous or next position.
  4. After inputting PIN code (up to 16 digits), press **MULTI-CONTROL**.

PIN code you entered is now standby to be stored in memory.

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

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

## Other Functions

### Using the AUX source

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

### About AUX1 and AUX2

You have two methods to connect auxiliary equipments to this unit.

#### AUX1 source:

*When connecting auxiliary equipment 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.

The allocation of this auxiliary equipment is automatically set to **AUX1**.

#### AUX2 source:

*When connecting auxiliary equipment 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 equipment featuring RCA output.**

For more details, refer to the IP-BUS-RCA Interconnector owner's manual.

The allocation of this auxiliary equipment is automatically set to **AUX2**.

- You can only make this type of connection if the auxiliary equipment has RCA outputs.

## Operating this unit

### Selecting AUX as the source

- Press **SOURCE** to select **AUX** as the source. Press **SOURCE** until **AUX** appears in the display.
  - If the auxiliary setting is not turned on, **AUX** cannot be selected. For more details, see "Switching the auxiliary setting" on page 27.

### Setting the AUX title

The title displayed for each **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 18.

### 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) – **ENT. OFF1** (simple display 1) – **ENT. OFF2** (simple display 2) – **LEVEL METER** (level meter) – **VISUALIZER1** (visualizer 1) – **VISUALIZER2** (visualizer 2) – **VISUALIZER3** (visualizer 3) – **SPECTRUM ANALYZER 1** (spectrum analyzer 1) – **SPECTRUM ANALYZER 2** (spectrum analyzer 2) – **MOVIE** (movie) – **ENT CLOCK** (entertainment clock)

  - You can also switch between the display by pressing **ENTERTAINMENT** on the remote control.
  - To return to the playback display, press **BAND**.

### 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
  - **Multi CD** – Multi-CD player
  - **USB** – USB portable audio player/USB memory
  - **iPod** – iPod
  - **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.

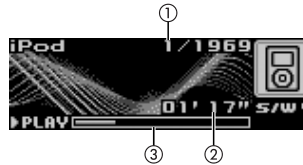
## Available accessories

### Playing songs on iPod

#### Listening to songs on your iPod

You can use this unit to control an iPod adapter, which is sold separately.

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



#### 1. Press SOURCE to select iPod.

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

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

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

Pushing **MULTI-CONTROL** right skips to the start of the next song. Pushing **MULTI-CONTROL** left once skips to the start of the current song. Pushing again will skip to the previous song.

#### Notes

- Read the precautions with iPod on page 49.
- If an error message such as **ERROR-11** is displayed, refer to "Error messages" on page 46.
- 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 itself cannot be turned on or off.
- Before connecting the dock connector of this unit to the iPod, disconnect the headphones from the iPod.
- The iPod connected to this unit is turned off about two minutes after the ignition switch is set to OFF.

#### Browsing for a song

The operation of this unit to control an iPod is designed to be as close to the operation of the iPod as possible for easy operation and song search.

- If playlist has been selected, first, this unit shows playlist of your iPod's name. This playlist plays all songs in your iPod.
- If the characters recorded on the iPod are not compatible with this unit, those characters will not be 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) – **Genres** (genres)

List from the selected category is displayed.

- You can start playback throughout the selected category by pressing and holding **MULTI-CONTROL**.
- 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.
- If you do not operate the list within about 30 seconds, the display is automatically returned to the ordinary display.

#### 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 – : album title and play time – : song title and play time – : artist name and play time – : artist name and : album title – : song title and : album title

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

#### Notes

- You can scroll to the left the text information 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 29.

## Available accessories

### Introduction of advanced iPod adapter operation

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 in 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) – **Shuffle mode** (random 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 is automatically returned to the ordinary display.

### Function and operation

**Play mode**, **Shuffle mode** and **Pause** operations are the same as that of iPod connected to USB interface of this unit.

| Function name       | Operation  |
|---------------------|--|
| <b>Play mode</b>    | Refer to "Repeating play" on page 22.                            |
| <b>Shuffle mode</b> | Refer to "Playing songs in a random order (shuffle)" on page 22. |
| <b>Pause</b>        | Refer to "Pausing a song" on page 23.                            |

## Bluetooth Audio

### Basic Operations

*If you connect Bluetooth adapter (e.g. CD-BTB100) to this unit, you can control Bluetooth audio player via Bluetooth wireless technology.*

#### Important

- Depending on the Bluetooth audio player connected to this unit, the available operations 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 in great range. Please 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, please refrain from operating on your cellular phone as much as possible. If you try operating on your cellular phone, the signal from your cellular phone may cause a noise on the song playback.
  - When you are talking on the cellular phone connected to this unit via Bluetooth wireless technology, the song playback from your Bluetooth audio player connected to this unit is muted.
  - Even if while you are listening to song on your Bluetooth audio player you switch to another source, the playback of song continues to elapse.
- For details concerning operation, refer to the Bluetooth adapter's operation manual. This section provides brief information on Bluetooth audio player operations with this unit which slightly differs or is cut short from that described in the Bluetooth adapter's operation manual.
- Even though your audio player does not contain a Bluetooth module, you can still control it from this unit via Bluetooth wireless technology. To control your audio player by using this unit, connect a product featuring Bluetooth wireless technology (available on the market) to your audio player and connect Bluetooth adapter (e.g. CD-BTB100) to this unit.



## Available accessories

### ① Device name

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



### 1. Press SOURCE to select Bluetooth audio player.

- If you cannot display **BT Audio**, first activate the BT audio source in the initial setting. For details, refer to "Activating the BT Audio source" on page 29.
- For this unit to control your Bluetooth audio player it needs to establish a Bluetooth wireless connection. (Refer to "Connecting a Bluetooth audio player" on page 33.)

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

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

### Introduction of 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 in the display.

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

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

**Connection open** (connection open) – **Disconnect audio** (disconnect audio) – **Play** (Play) – **Stop** (Stop) – **Pause** (pause) – **Device info** (device information)

- If a Bluetooth audio player is connected via lower level, only **Disconnect audio** and **Device info** appear in the function menu.
- If a Bluetooth audio player has not been connected to this unit yet, **Connection open** and **Device info** appear in the function menu and other functions are not available.
- 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 except for **Connection open** and **Disconnect audio** within about 30 seconds, the display is automatically returned to the ordinary display.

### Connecting a Bluetooth audio player

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

#### 2. Press MULTI-CONTROL to open the connection.

**Always waiting** is displayed. This unit is now on standby for connection from Bluetooth audio player.

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

#### Note

- Before you can use audio players you may need to enter the PIN code into this unit. If your player requires a PIN code to establish a connection, look for the code on the player or in its accompanying documentation. Enter the PIN code referring to "Entering PIN code for Bluetooth wireless connection" on page 29.

### Playing songs on Bluetooth audio player

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

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

### Pausing a song

Pause lets you temporarily stop playback of a song.

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

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

Playback of the current song pauses.

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

### Stopping playback

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

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

Playback of the current song stops.

### Disconnecting a Bluetooth audio player

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

#### 2. Press MULTI-CONTROL to disconnect the Bluetooth audio player.

**Disconnected** is displayed. The Bluetooth audio player is now disconnected from this unit.

## Available accessories

### Displaying BD (Bluetooth Device) address

1. Use **MULTI-CONTROL** to select **Device info** in the function menu.  
The device name (**Pioneer BT Unit**) of this unit appears in the display.
1. 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.

### Displaying system version for repair

1. Use **MULTI-CONTROL** to select **Device info** in the function menu.  
The device name (**Pioneer BT Unit**) of this unit appears in the display.
2. Push **MULTI-CONTROL down** to switch to the **system version of this unit**.  
The system (microprocessor) version of this unit is displayed.
  - Pushing **MULTI-CONTROL left** displays the version of the Bluetooth module of this unit. Pushing **MULTI-CONTROL right** returns to the system version of this unit.

## Bluetooth Telephone


### Basic Operations

If you use Bluetooth adapter (e.g. CD-BTB100), you can connect a cellular phone featuring Bluetooth wireless technology to this unit for hands-free, wireless calls, even while driving.

#### Important

- Since this unit is on standby to connect with your cellular phones 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 and operate.

For details concerning operation, refer to the Bluetooth adapter's operation manual. This section provides brief information on the hands-free phoning operations with this unit which slightly differs or is cut short from that described in the Bluetooth adapter's operation manual.

- 
- ① **Device name**  
Shows the device name of the cellular phone.
  - ② **Signal level indicator**  
Shows the signal strength of cellular phone.
    - Signal level indicator may differ from the actual signal level.
  - ③ **User number indicator**  
Shows the registration number of the cellular phone.
  - ④ **Battery strength indicator**  
Shows the battery strength of cellular phone.
    - Battery strength indicator may differ from the actual battery strength.
    - If the battery strength is not available, nothing is displayed in the battery strength indicator area.
  - ⑤ **Incoming call notice indication**  
Shows when an incoming call has been received and not checked yet.
    - Incoming call notice is not displayed for calls made when your cellular phone is disconnected from this unit.
  - ⑥ **Automatic answering/Automatic rejecting indicator**  
Shows **AUTO** when the automatic answering function is on (for more details, refer to "Setting the automatic answering" on page 40).  
Shows **REJECT** when the automatic rejecting function is on (for more details, refer to "Setting the automatic rejecting" on page 40).
  - ⑦ **Clock display**  
Shows the time (if connected with a phone).

#### ● Press **SOURCE** to select the telephone.

#### Note

- Equalizer curve for the phone source is fixed. When selecting the phone source, you cannot operate the equalizer function. Refer to "Recalling equalizer curves" on page 24.

## Available accessories

### Setting up for hands-free phoning

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

#### 1. Connection

For detailed instructions on connecting your phone to this unit via Bluetooth wireless technology, refer to "Connecting a cellular phone" on page 36.

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

#### 2. Registration

Refer to "Registering connected cellular phone" on page 37 for instructions on how to register your temporarily connected phone.

#### 3. Volume adjustment

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

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

### Making a phone call

#### Voice recognition

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

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

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

##### 2. Pronounce the name of your contact.

### Taking a phone call

#### Answering an incoming call

##### 1. When a call comes in, push **MULTI-CONTROL** up.

- If the private mode is selected on the cellular phone, hands-free phoning may not be performed.

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

The estimated call time appears in the display (this may differ slightly from the actual call time).

#### Rejecting an incoming call

##### • When a call comes in, push **MULTI-CONTROL** down.

The call is rejected.

#### Answering a call waiting

##### 1. Push **MULTI-CONTROL** up to answer a call waiting.

- Pushing **MULTI-CONTROL** up switches between callers on hold.

##### 2. Push **MULTI-CONTROL** down to end all calls.

- Pushing **MULTI-CONTROL** down ends all calls including a call waiting on line.
- The caller you have been talking to is now on hold. To end the call, both you and your caller need to hang up the phone.
- While your callers hold the line, pushing **MULTI-CONTROL** up switches between callers.

#### Rejecting a call waiting

##### • Push **MULTI-CONTROL** down to reject a call waiting.

#### Introduction of 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.

Function names for hands-free phoning appear on the display.

##### 3. Turn **MULTI-CONTROL** to change functions.

Turn **MULTI-CONTROL** to switch between the functions.

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## Available accessories

Function names that appear in the display are different depending on your cellular phone's connection and registration status.

### If not connected yet

**Search & Connect** (search and connect) – **Connection open** (connection open) – **Connect phone** (connect phone) – **Delete phone** (delete phone) – **PH.B.Transfer** (phone book transfer) – **Refuse calls** (automatic reject setting) – **Auto answer** (automatic answer setting) – **Ring tone** (ring tone select) – **Auto connect** (automatic connection setting) – **Echo cancel** (echo cancel) – **Device info** (device information)

### If connected but not registered yet

**Disconnect phone** (disconnect phone) – **Set phone** (registering phone) – **Delete phone** (delete phone) – **PH.B.Transfer** (phone book transfer) – **Number dial** (call by entering number) – **Refuse calls** (automatic reject setting) – **Auto answer** (automatic answer setting) – **Ring tone** (ring tone select) – **Auto connect** (automatic connection setting) – **Echo cancel** (echo cancel) – **Device info** (device information)

### If already connected and registered

**Disconnect phone** (disconnect phone) – **Delete phone** (delete phone) – **PH.B.Transfer** (phone book transfer) – **PH.B.Name view** (phone book name view) – **Clear memory** (clear memory) – **Number dial** (call by entering number) – **Refuse calls** (automatic reject setting) – **Auto answer** (automatic answer setting) – **Ring tone** (ring tone select) – **Auto connect** (automatic connection setting) – **Echo cancel** (echo cancel) – **Device info** (device information)

- You can also select the function by pressing **FUNCTION** on the remote control.
- PH.B.Name view** (phone book name view) cannot be selected for cellular phone registered guest phone.
- If cellular phone is connected to this unit via Bluetooth wireless technology with HSP (Head Set Profile), **PH.B.Name view**, **Clear memory**, **Number dial** and **Refuse calls** cannot be selected.
- To return to the playback display, press **BAND**.
- If you do not operate functions except for **Search & Connect**, **Connection open**, **Connect phone**, **PH.B.Transfer**, **Disconnect phone**, **Number dial** and **Clear memory** within about 30 seconds, the display is automatically returned to the ordinary display.

## Connecting a cellular phone

### Searching for available cellular phones

1. Use **MULTI-CONTROL** to select **Search & Connect** in the function menu.

2. Press **MULTI-CONTROL** to search for available cellular phones.

While searching, **Searching** flashes. When available cellular phones featuring Bluetooth wireless technology are found, device names or **Name not found** (if names cannot be obtained) are displayed.

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

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

4. Press **MULTI-CONTROL** to connect the selected cellular phone.

While connecting, **Connecting** flashes. To complete the connection, please check the device name (**Pioneer BT Unit**) and enter the link code on your cellular phone. If the connection is established, **Connected** is displayed.

- The link code is set to **0000** as default. You can change this code in the initial setting. Refer to "Entering PIN code for Bluetooth wireless connection" on page 29.

### Using a cellular phone to initiate a connection

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

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

**Always waiting** is displayed and the unit is now on standby for connection from cellular phone.

3. Use cellular phone to connect to this unit.

- The link code is set to **0000** as default. You can change this code in the initial setting. Refer to "Entering PIN code for Bluetooth wireless connection" on page 29.

### Disconnecting a cellular phone

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

Device name of the connected phone appears in the display.

2. Press **MULTI-CONTROL** to disconnect a cellular phone from this unit.

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

## Available accessories

### Registering connected cellular phone

1. Use **MULTI-CONTROL** to select **Set phone** in the function menu.
2. Push **MULTI-CONTROL** up or down to select a registration assignment.  
**P1** (user phone 1) – **P2** (user phone 2) – **P3** (user phone 3) – **G1** (guest phone 1) – **G2** (guest phone 2)
  - As you select each assignment, you can see whether or not a phone is already registered there. If the assignment is empty, **No data** is displayed. If the assignment is already taken, the device name appears. To replace an assignment with a new phone, first delete the current assignment. For more detailed instructions, see "Deleting a registered phone" on page 37.
3. Press **MULTI-CONTROL** to register the currently connected phone.  
 When the registration is completed, **Reg. Completed** is displayed.
  - If the registration failed, **Reg. ERROR** is displayed. In this case, return to step 1 and try again.

### Deleting a registered phone

1. Use **MULTI-CONTROL** to select **Delete phone** in the function menu.
2. Push **MULTI-CONTROL** up or down to select a registration assignment.  
**P1** (user phone 1) – **P2** (user phone 2) – **P3** (user phone 3) – **G1** (guest phone 1) – **G2** (guest phone 2)
  - If the assignment is empty, **No data** is displayed and the operation is not possible.
3. Push **MULTI-CONTROL** right to select **Delete YES**.  
**Delete YES** is displayed. Deleting phone is now on standby.
4. Press **MULTI-CONTROL** to delete the phone.  
 After the phone is deleted, **Deleted** is displayed.

### Connecting to a registered cellular phone

#### Connecting to a registered phone manually

1. Use **MULTI-CONTROL** to select **Connect phone** in the function menu.
2. Push **MULTI-CONTROL** up or down to select a registration assignment.  
**P1** (user phone 1) – **P2** (user phone 2) – **P3** (user phone 3) – **G1** (guest phone 1) – **G2** (guest phone 2)
  - If the assignment is empty, **No data** is displayed and the operation is not possible.

3. Press **MULTI-CONTROL** to connect the selected cellular phone.

While connecting, **Connecting** is displayed. After the connection is completed, **Connected** is displayed.

#### Connecting to a registered phone automatically

1. Use **MULTI-CONTROL** to select **Auto connect** in the function menu.
2. Press **MULTI-CONTROL** to turn automatic connection on.  
 If your cellular phone is set ready for Bluetooth wireless connection, the connection to this unit will be automatically established.
  - To turn automatic connection off, press **MULTI-CONTROL** again.

#### Using the Phone Book

##### Transferring entries to the Phone Book

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

1. Use **MULTI-CONTROL** to select **PH.B.Transfer** in the function menu.
2. Press **MULTI-CONTROL** to enter in the phone book transfer standby mode.  
**Transfer** appears in the display.
3. Use cellular phone to perform phone book transfer.  
 Perform phone book transfer using the cellular phone. For detailed instruction on this, refer to the instruction manual that came with your cellular phone.
  - The display indicates how many entries have been transferred and the total number to be transferred.
4. **Data transferred** is displayed and phone book transfer is completed.

##### Changing the Phone Book display order

1. Use **MULTI-CONTROL** to select **PH.B.Name view** in the function menu.  
**Invert Names YES** appears in the display.
2. Press **MULTI-CONTROL** to change the name view order.  
**Inverted** is displayed and the name view order is changed.  
 Pressing **MULTI-CONTROL** repeatedly changes the name view order between first name and last name.

## Available accessories

### Calling a number in the Phone Book

#### Important

- You are required to park your vehicle and set the parking brake in order to perform this operation.
- After finding the number in the Phone Book you want to call, you can select the entry and make the call.

- Press **LIST** to display the Phone Book.
- Push **MULTI-CONTROL** left or right to select the first letter of the name you are looking for.
- 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).
- Push **MULTI-CONTROL** up or down to select a Phone Book entry you want to call.
- Press **MULTI-CONTROL** right to display the detailed list of the selected entry.  
The phone number, name and genre (if assigned) of entries are displayed in the detailed list.
  - You can scroll the name and phone number by holding **DISPLAY**.
  - If several phone numbers are entered to an entry, select one by turning **MULTI-CONTROL**.
  - If you want to go back and select another entry, push **MULTI-CONTROL** left.
- Press **MULTI-CONTROL** to make a call.
- To end the call, push **MULTI-CONTROL** down.

### Editing the name of a Phone Book entry

#### Important

- You are required to park your vehicle and set the parking brake in order to perform this operation.
- You can edit the names of Phone Book entries. Each name can be up to 16 characters long.

- Display the detailed list of your desired Phone Book entry.  
See step 1 to 5 on "Calling a number in the Phone Book" on this page for how to do this.
- Press and hold **MULTI-CONTROL** to display the name input screen.  
**Edit name** is displayed.

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

Each press of **DISPLAY** switches the character types in the following order:

Alphabet (upper case), numbers and symbols – alphabet (lower case) – numbers and symbols – European characters, such as those with accents (e.g., **á, â, ã, ç**) or Russian characters

- Pressing and holding **DISPLAY** enables you to switch character set between ISO8859-1 (European characters) and ISO8859-5 (Russian characters) alternately.
  - European characters and Russian characters can't be mixed.
- Push **MULTI-CONTROL** up or down to select a letter.
    - To delete a character and leave a space, select " \_ " (underscore).
  - Push **MULTI-CONTROL** left or right to move the cursor to the previous or next character position.
  - Press **MULTI-CONTROL** to store the new name.

### Editing phone numbers

#### Important

- You are required to park your vehicle and set the parking brake in order to perform this operation.
- You can edit the numbers of Phone Book entries. Each phone number can be up to 24 digits long.

- Display the detailed list of your desired Phone Book entry.  
See step 1 to 5 on "Calling a number in the Phone Book" on this page for how to do this.
- Press and hold **MULTI-CONTROL** to display the name input screen.  
**Edit name** is displayed.
- Turn **MULTI-CONTROL** to switch to the number input screen.  
**Edit name** (name input screen) – **Edit number** (number input screen) – **Clear memory** (clear memory screen)
- Push **MULTI-CONTROL** left or right to move the cursor to the number you want to change.
- Press **MULTI-CONTROL** up or down to change numbers.  
Repeat these steps until you have finished changing.
- Press **MULTI-CONTROL** to store the new number.

## Available accessories

### Clearing a Phone Book entry

#### Important

- You are required to park your vehicle and set the parking brake in order to perform this operation.

#### 1. Display the detailed list of your desired Phone Book entry.

See step 1 to 5 on "Calling a number in the Phone Book" on page 38 for how to do this.

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

**Edit name** is displayed.

#### 3. Turn MULTI-CONTROL to switch to the clear memory screen.

**Edit name** (name input screen) – **Edit number** (number input screen) – **Clear memory** (clear memory screen)

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

**Clear memory YES** is displayed.

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

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

**Cleared** is displayed.

The Phone Book entry is deleted. The display returns to Phone Book entry list.

### Using the Call History

#### Important

- You are required to park your vehicle and set the parking brake in order to perform this operation.
- The 12 most recent calls made (dialled), received and missed, are stored in the Call History. You can browse the Call History and call numbers from it.

#### 1. Press LIST to display the list.

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

Phone book – Missed call – Dialled call – Received call

- About the Phone Book list, refer to "Using the Phone Book" on page 37.
- If no phone numbers have been stored in the selected list, **No data** is displayed.

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

Turning **MULTI-CONTROL** to change the phone numbers stored in the list.

- If the number is already in the Phone Book the name is displayed.
- You can also change the phone number by pushing **MULTI-CONTROL** up or down.

#### 3. Push MULTI-CONTROL right to display the detailed list.

Name and phone number are displayed in the detailed list.

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

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

- For an international call, press and hold **MULTI-CONTROL** to add + to the phone number.

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

### Using preset numbers

#### Important

- You are required to park your vehicle and set the parking brake in order to perform this operation.
- Numbers that you dial frequently can be assigned to presets for quick recall.

#### 1. Select a desired phone number from the Phone Book or the Call History. Or directly enter a desired phone number.

To select a desired phone number from the Phone Book or the Call History, see the instructions explained in previous pages. To directly enter a desired phone number, see "Making a call by entering phone number" on page 40.

#### 2. Press and hold one of 1 to 6 on the remote control to store the phone number.

The selected phone number has been stored in memory. The next time you press the same preset button, the phone number is recalled from memory.

## Available accessories

### Making a call by entering phone number

#### Important

- You are required to park your vehicle and set the parking brake in order to perform this operation.
- Use **MULTI-CONTROL** to select **Number dial** in the function menu.
    - You can also enter in this menu from the standby display by pressing **DIRECT** on the remote control.
  - Push **MULTI-CONTROL** up or down to select a number.
    - You can also input numbers by pressing **0** to **9** on the remote control.
  - Push **MULTI-CONTROL** left or right to move the cursor to the previous or next position.
    - Up to 24 digits can be entered.
  - When you completed entering the number, press **MULTI-CONTROL**.  
Call confirmation appears.
  - Press **MULTI-CONTROL** again to make a call.
  - To end the call, push **MULTI-CONTROL** down.

### Clearing memory

- Use **MULTI-CONTROL** to select **Clear memory** in the function menu.
- Push **MULTI-CONTROL** up or down to select an item.

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

**Phone book** (phone book) – **Missed calls** (missed call history) – **Dialled calls** (dialled call history) – **Received calls** (received call history) – **Dial preset** (preset phone numbers) – **All clear** (delete all memory)

- If you want to clear all the Phone Book, dialled/received/missed call history list and preset phone number, select **All clear**.
  - If guest phone is connected to this unit via Bluetooth wireless technology, **Phone book** cannot be selected.
- Push **MULTI-CONTROL** right to determine the item that you want to delete from this unit.  
**Clear memory YES** is displayed. Clearing memory is now on standby.
    - If you do not want to clear memory that you have selected, push **MULTI-CONTROL** left. The display reverts.
  - Press **MULTI-CONTROL** to clear the memory.  
**Cleared** is displayed and data on the selected item is cleared from this unit's memory.

### Setting the automatic answering

- Use **MULTI-CONTROL** to select **Auto answer** in the function menu.
- Press **MULTI-CONTROL** to turn automatic answering on.
  - To turn automatic answering function off, press **MULTI-CONTROL** again.

### Setting the automatic rejecting

- Use **MULTI-CONTROL** to select **Refuse calls** in the function menu.
- Press **MULTI-CONTROL** to turn automatic call rejection on.
  - To turn automatic call rejection off, press **MULTI-CONTROL** again.

### Switching the ring tone

- Use **MULTI-CONTROL** to select **Ring tone** in the function menu.
- Press **MULTI-CONTROL** to turn the ring tone on.
  - To turn the ring tone off, press **MULTI-CONTROL** again.

### Echo canceling and noise reduction

- Use **MULTI-CONTROL** to select **Echo cancel** in the function menu.
- Press **MULTI-CONTROL** to turn echo canceling on.
  - To turn echo canceling off, press **MULTI-CONTROL** again.

### Displaying BD (Bluetooth Device) address

- Use **MULTI-CONTROL** to select **Device info** in the function menu.  
The device name (**Pioneer BT Unit**) of this unit appears in the display.
- 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.



## Available accessories

### Displaying system version for repair

1. Use **MULTI-CONTROL** to select **Device info** in the function menu.  
The device name (**Pioneer BT Unit**) of this unit appears in the display.
2. Push **MULTI-CONTROL** down to switch to the system version of this unit.  
The system (microprocessor) version of this unit is displayed.
  - Pushing **MULTI-CONTROL** left displays the version of the Bluetooth module of this unit. Pushing **MULTI-CONTROL** right returns to the system version of this unit.

## Multi-CD Player

### Basic Operations

You can use this unit to control a multi-CD player, which is sold separately.

- Only those functions described in this manual are supported by 50-disc multi-CD players.
- This unit is not designed to operate disc title list functions with a 50-disc multi-CD player. About the disc title list functions, please refer to "Selecting discs from the disc title list" on page 43.

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

### 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 16.

### Introduction of advanced operations

You can use **Compression** (compression and DBE) only 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**.
- If you do not operate functions except for **ITS memo** and **TitleInput "A"** within about 30 seconds, the display is automatically returned to the ordinary display.

## Available accessories

### Function and operation

**Play mode, Random mode, Scan mode, Pause, 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 "Selecting a repeat play range" on page 17. But 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 as below: <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 "Playing tracks in random order" on page 17.   |
| <b>Scan mode</b>      | Refer to "Scanning folders and tracks" on page 17.  |
| <b>Pause</b>          | Refer to "Pausing disc playback" on page 17.  |
| <b>Compression</b>    | Refer to "Using compression and BMX" on page 18. Multi-CD player has DBE (dynamic bass emphasis) function instead of BMX. The settings can be switched as below:<br><b>COMP OFF – COMP 1 – COMP 2 – COMP OFF – DBE 1 – DBE 2</b>  |
| <b>ITS play mode</b>  | Refer to "Using ITS playlists" on page 42.  |
| <b>ITS memo</b>       | Refer to "Using ITS playlists" on page 42.  |
| <b>TitleInput "A"</b> | Refer to "Entering disc titles" on page 18.   |

#### 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 will begin again.
- When playing a CD TEXT disc on a CD TEXT compatible multi-CD player, you cannot switch to **TitleInput "A"**. The disc title has already been recorded on a CD TEXT disc.

### Using ITS playlists

ITS (instant track selection) lets you make a playlist of favorite tracks from those in the multi-CD player magazine. After you have added your favorite tracks to the playlist you can turn on ITS play and play just those selections.

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

### Creating a playlist with ITS programming

1. **Play a CD that you want to program.**  
Push **MULTI-CONTROL** up or down to select the CD.
2. **Use MULTI-CONTROL to select ITS memo in the function menu.**
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.**

#### Note

- After data for 100 discs has been stored in memory, data for a new disc will overwrite the oldest one.

### Playback from your ITS playlist

ITS play lets you listen to the tracks that you have entered into your ITS playlist. When you turn on ITS play, tracks from your ITS playlist in the multi-CD player will begin to play.

1. **Select the repeat range.**  
Refer to "Playing tracks in random order" on page 17.
2. **Use MULTI-CONTROL to select ITS play mode in the function menu.**
3. **Press MULTI-CONTROL to turn ITS play on.**

**ITS play mode** appears in the display. 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.

## Available accessories

### Erasing a track from your ITS playlist

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

If ITS play is already on, skip to step 2. If ITS play is not already on, 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 page 42.

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 from your ITS playlist begins.

- If there are no tracks from your playlist in the current range, **ITS empty** is displayed and normal play resumes.

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

### Erasing a CD from your ITS playlist

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

1. **Play the CD that you want to delete.**

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 erased 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 18.

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

#### Displaying disc titles

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

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

Refer to "Displaying text information on disc" on page 18.

#### Selecting discs from the disc title list

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

1. **Press 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 has been entered for a disc, **No D.Title** will be 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 18.

## Available accessories

### DVD Player

#### Basic Operations

You can use this unit to control a DVD player or multi-DVD player, which is sold separately.

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

① **DVD.V/CD/MP3/WMA indicator**

Shows the type of disc currently playing.

② **Disc number indicator**

Shows the disc number 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.

#### 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 which is corresponding to compressed audio playback is connected to this unit.
- Push **MULTI-CONTROL** up or down to select a folder.

#### Introduction of 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**.
- If you do not operate functions except for **ITS memo** and **TitleInput "A"** within about 30 seconds, the display is automatically returned to the ordinary display.

#### 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.

## Available accessories

| Function name         | Operation   |
|-----------------------|---|
| <b>Play mode</b>      | Refer to "Selecting a repeat play range" on page 17.<br>But the repeat play range that you can select is vary depending on the type of disc or system. The repeat play ranges of the DVD player/multi-DVD player are as below:<br>During PBC playback of Video CDs, this function cannot be operated. <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 just the current track</li> </ul> |
| <b>Random mode</b>    | Refer to "Playing tracks in random order" on page 17.   |
| <b>Scan mode</b>      | Refer to "Scanning folders and tracks" on page 17.  |
| <b>Pause</b>          | Refer to "Pausing disc playback" on page 17.  |
| <b>ITS play mode</b>  | Refer to "Using ITS playlists" on page 42.  |
| <b>ITS memo</b>       | Refer to "Using ITS playlists" on page 42.  |
| <b>TitleInput "A"</b> | Refer to "Entering disc titles" on page 18.   |

### Notes

- If you select other discs during repeat play, the repeat play range changes to **Disc repeat**.
- During video CD or CD playback, if you perform track search or fast forward/reverse during **Track repeat**, the repeat play range changes to **Disc repeat**.
- During compressed audio playback, if you select another folder during repeat play, the repeat play range changes to **Disc repeat**.
- During compressed audio playback, if you perform track search or fast forward/reverse during **Track repeat**, the repeat play range changes to **Folder repeat**.
- When using this unit with multi-DVD player, you can switch to **ITS play mode**, **ITS memo** and disc title input.
- 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 42.

## 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 is displayed, **TV-1** or **TV-2**.
- 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**.

### 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 will flash and then remain lit. The selected station 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 is automatically returned to the ordinary display.

ENGLISH

## Available accessories

### Using the remote control

You can also store and recall stations assigned to preset tuning numbers **P 1** to **P 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 is automatically returned to the ordinary display.

#### Note

- Storing broadcast stations with **BSSM** may replace broadcast stations you have saved using **P 1** to **P12**.

## Additional Information

### Error messages

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

#### Built-in CD Player

| Message                                 | Cause  | Action  |
|---|--|---|
| <b>ERROR-11, 12, 17, 30</b>             | Dirty disc   | Clean disc.   |
| <b>ERROR-11, 12, 17, 30</b>             | Scratched disc   | Replace disc.   |
| <b>ERROR-10, 11, 12, 15, 17, 30, A0</b> | Electrical or mechanical   | Switch the ignition key, 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>TRK SKIPPED</b>                      | The inserted disc contains WMA files that are protected by DRM       | Replace disc.   |
| <b>PROTECT</b>                          | All the files on the inserted disc are secured by DRM                | Replace disc.   |

#### USB audio player/USB memory

| Message            | Cause  | Action  |
|--------------------|--|---|
| <b>No Audio</b>    | No songs   | Transfer the audio files to the USB portable audio player/USB memory and connect.                                     |
|                    | USB memory with security enabled is connected  | Follow the USB memory instructions to disable the security.   |
|                    | No songs   | Transfer the songs to iPod.   |
| <b>TRK SKIPPED</b> | The connected USB portable audio player/USB memory contains WMA files that are protected by Windows Media DRM 9/10 | Play an audio file not protected by Windows Media DRM 9/10.   |
| <b>PROTECT</b>     | All the files on the connected USB portable audio player/USB memory are protected by Windows Media DRM 9/10        | Transfer audio files not protected by Windows Media DRM 9/10 to the USB portable audio player/USB memory and connect. |
| <b>N/A USB</b>     | The USB device connected to is not supported by this unit.   | Connect a USB portable audio player or USB memory that is USB Mass Storage Class compliant.                           |

## Available accessories

| Message             | Cause   | Action   |
|---------------------|---|--|
| <b>CHECK USB</b>    | The USB connector or USB cable is short-circuited.  | Confirm that the USB connector or USB cable is not caught in something or damaged.   |
|                     | The connected USB portable audio player/USB memory consumes more than 500 mA (maximum allowable current). | Disconnect the USB portable audio player/USB memory and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect the compliant USB portable audio player/USB memory. |
| <b>N/A PLAYLIST</b> | Selected m3u playlist cannot be played back.  | Select another playlist.   |
|                     | All the files on the selected m3u playlist are protected by Windows Media DRM 9/10.                       | Select another playlist.   |

### 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, switch the ignition key or disconnect the iPod and connect again. |
| <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.  |

## 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 with discs before using them.

## Available accessories

### 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.

### USB audio player/USB memory

#### USB audio player/USB memory compatibility

- Specification: USB 2.0 full speed
- USB Class: MSC (Mass Storage Class) device
- Protocol: bulk
- Maximum amount of memory: 250 GB
- File system: FAT12, FAT16, FAT32
- Supply current: 500 mA

#### Notes

- Partitioned USB memory is not compatible with this unit.
- Depending on the kind of USB portable audio player/USB memory you use, this unit may not recognize the USB audio player/USB memory or audio files may not be played back properly.
- You cannot connect a USB portable audio player/USB memory to this unit via a USB hub.
- This unit is compatible with m3u playlist (.m3u). To obtain optimum performance of this unit, we highly recommend to encode m3u playlist with Windows Media Player Ver.10.

#### USB audio player/USB memory

- Do not leave the USB portable audio player/USB memory in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in USB portable audio player/USB memory malfunction due to the resulting high temperature.
- Do not leave the USB portable audio player/USB memory in any location with a high temperature.

- Firmly secure the USB portable audio player/USB memory when driving. Do not let the USB portable audio player/USB memory fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- There may be a slight delay when starting playback of audio files encoded with image data.
- Depending on the USB devices connecting to this unit, it may generate noise in the radio.
- Only 32 characters from the beginning can be displayed as a file name (including the extension) or a folder name when USB portable audio player/USB memory is selected as a source.
- The text information of some audio files may not be correctly displayed.
- File extensions must be used properly.
- Up to 15 000 files on a USB portable audio player/USB memory can be played back.
- Up to 2 048 folders on a USB portable audio player/USB memory can be played back.
- There may be a slight delay when starting playback of audio files on a USB portable audio player/USB memory with numerous folder hierarchies.
- Do not connect anything other than the USB portable audio player/USB memory.
- Operations may vary depending on the kind of USB audio player and a USB memory.

#### The sequence of audio files on USB memory

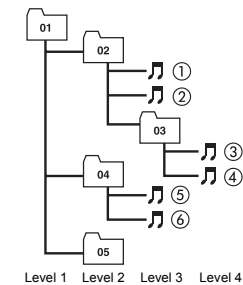
For USB portable audio players, the sequence is different from that of USB memory and depends on the player.

#### Example of a hierarchy

☐: Folder

♪: Compressed audio file

- 01 to 05 represent assigned folder numbers. ① to ⑥ represent the playback sequence. The user cannot assign folder numbers and specify the playback sequence with this unit.
- The sequence of audio files/folders to be played back, selected by the scan play and displayed in the file name list is determined as follows:
  - The sequence of files is given priority over the sequence of subfolders.
  - In a folder, the sequence of audio files/subfolders is the character code order.





## Available accessories

- If you want to specify the sequence of the audio files, refer to "Example of a hierarchy" on page 48 and copy the folders/files in order.
  - We recommend that you specify the file names in the desired playback sequence (e.g., 001xxxx.mp3 for the first, 099yyyyy.wma for 99th, etc.).

### Compressed audio compatibility

#### WMA

- Compatible format: WMA encoded by Windows Media Player Ver. 7, 7.1, 8, 9 or 10
- Bit rate: 5 kbps to 384 kbps (CBR), VBR
- Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz
- Windows Media Audio 9 Professional, Lossless, Voice: No

#### MP3

- Compatible format: MPEG-1, 2, 2.5 Audio Layer 3
- Bit rate: 8 kbps to 320 kbps (CBR), VBR
- Sampling frequency: 8 kHz to 48 kHz (32 kHz, 44.1 kHz, 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: Yes
- MP3i (MP3 interactive), mp3 PRO: No

#### AAC

- Compatible format: AAC encoded by iTunes® version 6.0.5 and earlier
- Sampling frequency: 8 kHz to 48 kHz
- Transmission rate: 16 kbps to 320 kbps
- AAC file bought on the iTunes Music Store (.m4p file extension): No
- Apple Lossless: No

## iPod

### About handling the iPod

- Do not leave the iPod in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in iPod malfunction due to the resulting high temperature.
- Do not leave the iPod in any location with 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 the Pioneer products. We recommend that you set the iPod Equalizer to off, before connecting the iPod 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 changed to All automatically when connecting the iPod to this unit.

## Compressed audio files on the disc

- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- There may be a slight delay when starting playback of WMA/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 will play with a short pause between songs.
- File extensions such as .wma, .mp3, .m4a or .wav must be used properly.

## Available accessories

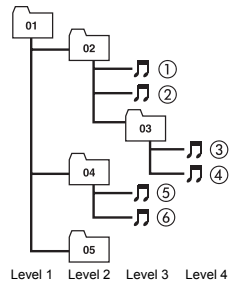
- Russian texts to be displayed on this unit should be encoded with the following character sets:
  - Unicodes (UTF-8, UTF-16)
  - Character sets other than Unicode that are used in Windows environment and are set to Russian in the multi-language setting
- Only 32 characters from the beginning can be displayed as a file name (including the extension such as .wma, .mp3, .m4a or .wav) or a folder name when using Russian texts.

### 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, 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 Ver. 7, 7.1, 8, 9 or 10
- 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 kHz, 44.1 kHz, 48 kHz for emphasis)
- Compatible ID3 tag version: 1.0, 1.1, 2.2, 2.3, 2.4 (ID3 tag Version 2.x is given priority than Version 1.x.)
- M3u playlist: No
- MP3i (MP3 interactive), mp3 PRO: No

### AAC

- Compatible format: AAC encoded by iTunes® version 6.0.5 and earlier
- 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)

## Specifications

### General

|                          |   |
|--------------------------|---|
| Power source             | 14.4 V DC<br>(10.8 V to 15.1 V allowable) |
| Grounding system         | Negative type                             |
| Max. current consumption | 10.0 A                                    |
| Dimensions (W x H x D):  |   |
| DIN                      |   |
| Chassis                  | 178 x 50 x 165 mm                         |
| Nose                     | 188 x 58 x 16 mm                          |
| D                        |   |
| Chassis                  | 178 x 50 x 165 mm                         |
| Nose                     | 170 x 45 x 16 mm                          |
| Weight                   | 1.5 kg                                    |

### Audio

|  |   |
|--|---|
| Maximum power output                         | 50 W x 4<br>50 W x 2/4 $\Omega$ + 70 W x 1/2 $\Omega$<br>(for subwoofer)              |
| Continuous power output                      | 22 W x 4<br>(50 Hz to 15 000 Hz,<br>5% THD, 4 $\Omega$ load,<br>both channels driven) |
| Load impedance                               | 4 $\Omega$ to 8 $\Omega$ x 4<br>4 $\Omega$ to 8 $\Omega$ x 2 + 2 $\Omega$ x 1         |
| Preout max output level/<br>output impedance | 4 V/100 $\Omega$  |
| Equalizer (7-Band Graphic Equalizer):        |   |
| Frequency                                    | 50/125/315/800/2k/5k/12.5k Hz   |
| Gain   | $\pm$ 12 dB   |
| Loudness contour:                            |   |
| Low  | +3.5 dB (100 Hz), +3 dB (10 kHz)  |
| Mid  | +10 dB (100 Hz), +6.5 dB (10 kHz)   |
| High   | +11 dB (100 Hz), +11 dB (10 kHz)<br>(volume: -30 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 format:              |                           |
| Sampling frequency          | 44.1 kHz                  |
| Number of quantization bits | 16; linear                |

### Note

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

|                           |  |
|---------------------------|--|
| Frequency characteristics | 5 Hz to 20 000 Hz<br>( $\pm$ 1 dB)                             |
| Signal-to-noise ratio     | 94 dB (1 kHz)<br>(IEC-A network)                               |
| Dynamic range             | 92 dB (1 kHz)  |
| Number of channels        | 2 (stereo)   |
| MP3 decoding format       | MPEG-1 & 2 Audio Layer 3                                       |
| WMA decoding format       | Ver. 7, 7.1, 8, 9, 10<br>(2ch audio)<br>(Windows Media Player) |
| AAC decoding format       | MPEG-4 AAC<br>(iTunes® encoded only)                           |
| WAV signal format         | Linear PCM & MS ADPCM  |

### USB

|                          |  |
|--------------------------|--|
| Specification            | USB 2.0 full speed   |
| Supply current           | 500 mA   |
| Maximum amount of memory | 250 GB   |
| File system              | FAT12, FAT16, FAT32  |
| MP3 decoding format      | MPEG-1, 2 & 2.5<br>Audio Layer 3                               |
| WMA decoding format      | Ver. 7, 7.1, 8, 9, 10<br>(2ch audio)<br>(Windows Media Player) |
| AAC decoding format      | MPEG-4 AAC<br>(iTunes® encoded only)                           |

### FM tuner

|                       |  |
|-----------------------|--|
| Frequency range       | 87.5 MHz to 108.0 MHz  |
| Usable sensitivity    | 8 dBf (0.7 $\mu$ V/75 $\Omega$<br>mono, S/N: 30 dB)                |
| Signal-to-noise ratio | 75 dB (IEC-A network)  |
| Distortion            | 0.3 % (at 65 dBf, 1 kHz, stereo)<br>0.1 % (at 65 dBf, 1 kHz, mono) |
| Frequency response    | 30 Hz to 15 000 Hz ( $\pm$ 3 dB)                                   |
| Stereo separation     | 45 dB (at 65 dBf, 1 kHz)   |

### 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)   |

[www.pioneer.co.uk](http://www.pioneer.co.uk)

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