CAUTION
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING
This equipment is not waterproof. To prevent a fire or shock hazard, do not place any container filled with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture.

WARNING
To prevent a fire hazard, do not place any naked flame sources (such as a lighted candle) on the equipment.

VENTILATION CAUTION
When installing this unit, make sure to leave space around the unit for ventilation to improve heat radiation (at least 25 cm at top, 10 cm at rear, and 5 cm at each side).

WARNING
Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as newspapers, table-cloths, curtains) or by operating the equipment on thick carpet or a bed.

Operating Environment
Operating environment temperature and humidity: +5 °C to +35 °C (+41 °F to +95 °F); less than 85 %RH (cooling vents not blocked)
Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light)

WARNING
Store small parts out of the reach of children and infants. If accidentally swallowed, contact a doctor immediately.

This product is for general household purposes. Any failure due to use for other than household purposes (such as long-term use for business purposes in a restaurant or use in a car or ship) and which requires repair will be charged for even during the warranty period.

CAUTION
The STANDBY/ON switch on this unit will not completely shut off all power from the AC outlet. Since the power cord serves as the main disconnect device for the unit, you will need to unplug it from the AC outlet to shut down all power. Therefore, make sure the unit has been installed so that the power plug can be easily unplugged from the AC outlet in case of an accident. To avoid fire hazard, the power cord should also be unplugged from the AC outlet when left unused for a long period of time (for example, when on vacation).

CAUTION
This product is a class 1 laser product classified under the Safety of laser products, IEC 60825-1:2007.

POWER-CORD CAUTION
Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

Operators must not install your speakers overhead on the ceiling or wall. The grill is designed to be detachable, and as such it may fall and cause damage or personal injury if installed overhead.
Information for users on collection and disposal of old equipment and used batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation.

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

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

These symbols are only valid in the European Union.

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

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

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Chapter 1: Before you start

What’s in the box
Please confirm that the following accessories are in the box when you open it.

- Remote control
- Power cord
- Video cable (1.5 m)
- DAB/FM wire antenna
- AAA batteries (R03) x 2
- Speaker cord x 2
- iPad stand
- Warranty card
- Operating instructions (this document)

Loading the batteries in the remote control

1. Open the rear lid and load the batteries as illustrated below.

2. Close the rear lid.

CAUTION
- When inserting the batteries, make sure not to damage the springs on the battery’s terminals. This can cause batteries to leak or overheat.
- Do not use any batteries other than the ones specified. Also, do not use a new battery together with an old one.
- When loading the batteries into the remote control, set them in the proper direction, as indicated by the polarity marks ( and ).

Using the remote control

The remote has a range of about 7 m at an angle of about 30° from the remote sensor.

Keep in mind the following when using the remote control:

- Make sure that there are no obstacles between the remote and the remote sensor on the unit.
- Remote operation may become unreliable if strong sunlight or fluorescent light is shining on the unit’s remote sensor.
- Remote controllers for different devices can interfere with each other. Avoid using remotes for other equipment located close to this unit.
- Replace the batteries when you notice a fall off in the operating range of the remote.
Chapter 2:
Part names and functions

Remote control

1  STANDBY/ON
Switches the receiver between standby and on (page 15).

2  Input function buttons
Use to select the input source to this receiver (pages 19, 20, 28 and 33).

3  Numeric buttons (0 to 9)
Use to enter the number (page 21).

   AUDIO*
   For discs or files including multiple audio streams/channels, the audio stream/channel can be switched during playback. For files stored in iPod/iPhone/iPad, this button is not available.

   SUBTITLE*
   On DVD-Video or DivX discs containing subtitles in multiple languages, the subtitle can be switched during playback. For files stored in iPod/iPhone/iPad, this button is not available.

   ANGLE*
   On DVD-Video discs containing multiple angles, the angle can be switched during playback.

   ZOOM*
   Zooming on the image. For images stored in iPod/iPhone/iPad, this button is not available.

   MEMORY*
   Use to memory the radio station (page 28).

   PROGRAM*
   Use to program the DVD-Video, MP3/WMA disc or USB mass storage device (page 21).

   ST/MONO*
   Use to switch the sound mode between stereo and monaural (page 28).

   VIDEO MODE*
   Use to change the output resolution (HDMI only) (page 35).

   A-B*
   The specified section within a single title or track is played repeatedly.

4  CLEAR
Press to clear the selected item.
Use this for example if you use to clear the programmed play (page 23).
5  DVD Receiver control buttons

TOP MENU
Press to display the top menu of the DVD Video.

MENU/PBC
Use to access the DVD menu or VCD PBC menu.

HOME MENU
Press to display the menu screen.
Use this to change initial settings of the unit (page 34).

- Audio Settings (page 34)
- Video Adjust (page 34)
- Play Mode

The Play Mode function may not work for some discs or files. For files stored on iPod/iPhone/iPad, this function is not available.

A-B Repeat (page 21)
The specified section within a single title or track is played repeatedly.

Repeat (page 22)
Plays titles, chapters, tracks or files repeatedly.

Random (page 22)
Plays titles, chapters or tracks in random order.

Program (page 23)
Plays titles, chapters, tracks or files in the order in which you program them.

Search Mode (page 24)
Plays the specified number or time within the title, chapter, track or file.

The Play Mode function may not work for some discs or files. For files stored in iPod/iPhone/iPad, this function is not available.

- Disc Navigator
Select and plays title, chapter, track or file from the Disc Navigator.

Ex.: DVD-Video Disc Navigator

- Initial Settings (page 34)

RETURN
Press to return to the previous screen. Also, use to cancel the clock setting or the sound setting.

6  TUNE +/- (TUNE +/-), ENTER
Use to select/switch system settings and modes, and to confirm actions.

Use TUNE +/- can be used to find radio frequencies (page 28).

7  PRESET +/-
Use to select preset radio stations (page 29).

8  MUTE
Mutes/unmutes the sound (page 15).

9  Playback control buttons
Use to control each function after you have selected it using the input function buttons (page 20).

- Press to start playback.
- Press to stop playback.
- Press to return to the beginning of the currently playing track or file. Press twice to move back to the beginning of the previous track or file.
- Press and hold during playback to fast-reverse.
- Press in the pause mode to move backward frame-by-frame. (DVD-Video only)
- Press and hold in the pause mode for slow play in the reverse direction. (DVD-Video only)
- Press during playback to skip ahead to the beginning of the next track or file.
- Press and hold during playback to fast-forward.
- Press in the pause mode to move forward frame-by-frame. (DVD-Video, Video CD or DivX files only)
- Press and hold in the pause mode for slow play in the forward direction. (DVD-Video, Video CD or DivX files only)
10 SHIFT
Press to access the ‘blue’ commands (above the buttons) on the remote. These buttons are marked with an asterisk (*) in this section.

11 OPEN/CLOSE
Use to open or close the disc tray (page 20).

12 DVD Receiver control buttons
   CLOCK/TIMER
Use for setting the clock, as well as for setting and checking the timers (page 15).
   SLEEP
See Using the sleep timer on page 17.

13 Sound control buttons
Adjust the sound quality (page 16).

14 DISPLAY
Press to change the display for DVD-Video, Video CD, CD or MP3.
   Ex.: DVD-Video DISPLAY

15 RPT/RDM
Press to change the repeat play or randomize order play setting from a DVD-Video, Video CD or CD (page 21).

16 Volume control buttons
Use to set the listening volume (page 15).

17 DIMMER
Dims or brightens the display. The brightness can be controlled in four steps (page 15).

18 Tuner control buttons
   RDS ASPM
Use to search for RDS Auto station program memory (page 29).
   RDS PTY
Use to search for RDS program types (page 29).
   RDS DISPLAY
Press to change the RDS display for information mode (page 29).
   DAB SCAN
Use to scan for DAB radio station (page 31).
   DAB ENTER
Use to confirm the DAB radio station (page 31).
   DAB DISPLAY
Press to change the DAB display for information mode (page 32).

**Note**
- The BT AUDIO button is not available for this unit.

---

**Detaching and replacing the front grille**
The front grille of this speaker system is removable. Proceed as follows:

1 Grab the bottom of the grille, and gently pull it toward you to remove the bottom portion.
2 Next, grab the top part of the grille and gently pull it toward you to remove the top portion.
3 To install the grille, align the projections on the speaker with the receptacles on the top and at the base of the grille and push them into place.
Part names and functions

Front panel

1 STANDBY/ON button
Switches the receiver between standby and on (page 15).

2 Remote sensor
Receives the signals from the remote control.

3 TIMER indicator
Lights when the unit power is off but when the timer setting is activated.

4 Character display
See Display on page 11.

5 Volume control
Use to set the listening volume (page 15).

6 INPUT button
Selects the input source.

7 Headphone socket
Use to connect headphones. When the headphones are connected, there is no sound output from the speakers (page 17).

8 AUDIO IN socket
Use to connect an auxiliary component using a stereo minijack cable (page 33).

9 USB terminal
Use to connect your USB mass storage device or Apple iPod/iPhone/iPad as an audio source (pages 19 and 26).

10 Disc tray
Place the disc, label side up (page 20).

11 Playback control buttons
Select the desired track or file to be played back. Stop current playback. Stop playback or resume playback from the point where it was paused.

12 Disc tray open/close button
Use to open or close the disc tray (page 20).
Part names and functions

Display

1. Lights when the sound is muted.

Note

- The mute icon will be displayed in red.

2. Start playback.

3. Pause playback.

4. Timer function is set.

5. Character display
   Displays various system information.
Chapter 3: Connections

**CAUTION**
- Be sure to turn off the power and unplug the power cord from the power outlet whenever making or changing connections.
- Connect the power cord after all the connections between devices have been completed.

**Speaker connection**
- The provided speaker wire with the red tube is for the (+) terminal. Connect the wire with red tube to the (+) terminal, and other wire to the (-) terminal.

**CAUTION**
- These speaker terminals carry HAZARDOUS LIVE voltage. To prevent the risk of electric shock when connecting or disconnecting the speaker cables, disconnect the power cord before touching any uninsulated parts.
- Do not connect any speakers other than those supplied to this system.

- Do not connect the supplied speakers to any amplifier other than the one supplied with this system. Connection to any other amplifier may result in malfunction or fire.
- Do not attach these speakers to the wall or ceiling. They may fall off and cause injury.
- These speakers are magnetically shielded. However, depending on the installation location, color distortion may occur if the speaker system is installed extremely close to the screen of a television set. If this happens, turn off the television set, and then turn it on after 15 to 30 minutes. If the problem persists, move the speaker system away from the television set.
- Make sure that the speaker cable cores do not become exposed and make contact with other cable cores. This may cause malfunction of the product.
- Do not allow the speaker cable core to come into contact with the receiver body.
- If the speaker cable core comes into contact with any metal portion of the receiver’s body, it may damage the speakers and cause smoke and fire. Insert speaker cables securely into the terminals and check that the cable does not come out of easily.

**Note**
- There is no difference between L and R speakers.
Connecting using an HDMI cable

By using an HDMI cable, digital signals can be transferred to an HDMI-compatible TV on a single cable with no loss of picture or sound quality. After connecting, make this unit’s resolution and HDMI color settings according to the HDMI-compatible TV. Also refer to the operating instructions with the HDMI-compatible TV.

**Note**
- When playing a disc or USB storage device content, this unit can transfer digital signals by the **HDMI OUT** terminal. Use the video cable for playing other content.
- This unit’s interface is designed based on the High-Definition Multimedia Interface specification.
- When an HDMI-compatible device is connected, the resolution is displayed on the front panel display.
- The resolution of the video signals output from this unit’s **HDMI OUT** terminal is changed manually. Change the **HDMI Resolution** setting (page 35).
- This unit is designed for connection to HDMI-compatible devices. It may not operate properly if connected to DVI devices.

The term HDMI and High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and other countries.
### Audio signals that can be output from this unit’s HDMI OUT terminal

- 44.1 kHz to 96 kHz, 16-bit/20-bit/24-bit 2-channel linear PCM audio (including 2-channel downmixing)
- Dolby Digital 5.1-channel audio
- MPEG audio

*Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.*

### Connecting antennas

Connect the DAB/FM antenna plug onto the center pin of the DAB/FM antenna socket.

**Note**

- To ensure optimum reception, make sure the DAB/FM antenna is fully extended and not coiled or hanging at the rear of the unit.

---

### To customers in Norway and Sweden

**CAUTION**

- "Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr - og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkobling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."

- "Apparater som är kopplade till skyddsjord via jordat vägguttag och/eller via annat utrustning och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk för brand. För att undvika detta skall vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten och kabel-TV nätet.”

### Using external antennas

**To improve DAB/FM reception**

Use a PAL connector (not supplied) to connect an external DAB/FM antenna.

### Plugging in

**CAUTION**

- Do not use any power cord other than the one supplied with this unit.
- Do not use the supplied power cord for any purpose other than that described below.

Before making or changing the connections, switch off the power and disconnect the power cord from the AC outlet. After you’ve finished making all connections, plug the unit into an AC outlet.
Getting started

Chapter 4: Getting started

To turn the power on
Press the STANDBY/ON to turn the power on.

After use:
Press the STANDBY/ON to enter the power stand-by mode.

Note
- In standby mode, if iPod/iPhone/iPad is connected, the unit turns charge mode.

Setting the clock

1. Press STANDBY/ON to turn the power on.
2. Press CLOCK/TIMER on the remote control. “CLOCK” is shown on the main display.
3. Press ENTER.
4. Press - to set the day, then press ENTER.
5. Press - to set the hour, then press ENTER.
6. Press - to set the minute, then press ENTER to confirm.
7. Press ENTER

To confirm the time display:
Press the CLOCK/TIMER. The time display will appear for about 10 seconds.

To readjust the clock:
Perform “Setting the clock” from step 1.

Note
- When power supply is restored after unit is plugged in again or after a power failure, reset the clock.

General control

Input function
When the INPUT on main unit is pressed, the current function will change to different mode. Press the INPUT repeatedly to select desired function.

Display brightness control
Press DIMMER to dims the display brightness. The brightness can be controlled in four steps.

Volume auto set-in
If you turn off and on the main unit with the volume set to 31 or higher, the volume starts at 30.

Volume control
Turn the volume knob towards VOLUME (on main unit) or press VOLUME +/- (on remote control) to increase or decrease the volume.

CAUTION
- The sound level at a given volume setting depends on speaker efficiency, location, and various other factors. It is advisable to avoid exposure to high volume levels. Do not turn the volume on to full at switch on. Listen to music at moderate levels. Excessive sound pressure from earphones and headphones can cause hearing loss.

Muting
The volume is muted temporarily when pressing the MUTE on the remote control. Press again to restore the volume.
Sound controls

Equalizer
When the EQUALIZER button is pressed, the current mode setting will be displayed. To change to a different mode, press the EQUALIZER repeatedly until the desired sound mode appears.

- FLAT: A flat and basic sound.
- ACTIVE: A powerful sound that emphasizes low and high tones.
- DIALOGUE: A sound that allows the radio or vocals to be heard more easily.
- NIGHT: A sound that can be enjoyed at night even with lower volume.

P.BASS control
Each time the P.BASS button on the remote control is pressed, the bass frequency mode will change.

Note
P.BASS control is initially to OFF.

Bass/treble control
Press the BASS/TREBLE, then press \( \textup{\( \uparrow \)} \text{ or } \textup{\( \downarrow \)} \) to adjust the bass or treble.

Note
- The EQUALIZER and P.BASS cannot operate simultaneously. The most recently selected of these two functions will be the one used.
- BASS/TREBLE can operate alongside either the EQUALIZER or P.BASS.

When one of the above two functions is selected, the function that is not selected will be displayed as follows.

1. When P.BASS setting (ON/OFF) is changed
   - EQUALIZER: FLAT
2. When EQUALIZER setting is changed
   - P.BASS: OFF

Setting the wake-up timer
Used to change the existing timer setting, or to set a new timer.

1. Press \( \text UP \) STANDBY/ON to turn the power on.
2. Press and hold CLOCK/TIMER.
3. Press \( \textup{\( \uparrow \)} \text{ or } \textup{\( \downarrow \)} \) to select “ONCE” or “DAILY”, then press ENTER.
   - ONCE: Works once only at a preset time.
   - DAILY: Works at the preset time on a preset day.
4. Press \( \textup{\( \uparrow \)} \text{ or } \textup{\( \downarrow \)} \) to select “TIMER SET”, then press ENTER.
5. Press \( \textup{\( \uparrow \)} \text{ or } \textup{\( \downarrow \)} \) to select the timer playback source, then press ENTER.
   - DVD/CD, DAB, FM, USB/iPod, AUDIO IN and LINE can be selected as the playback source.
6. Press \( \textup{\( \uparrow \)} \text{ or } \textup{\( \downarrow \)} \) to select the timer day, then press ENTER.
7. Press \( \textup{\( \uparrow \)} \text{ or } \textup{\( \downarrow \)} \) to set the hour, then press ENTER.
8. Press \( \textup{\( \uparrow \)} \text{ or } \textup{\( \down \)} \) to set the minute, then press ENTER.
9. Set the time to finish as in steps 7 and 8 above.
10. Press \( \text UP \) STANDBY/ON to enter the power standby mode.
   - The TIMER indicator lights up.
Calling the wake-up timer
An existing timer setting can be reused.
1 Follow steps 1 to 3 in “Setting the wake-up timer”.
2 Press \( \text{/} \) to select “TIMER ON”, then press ENTER.

Cancelling the wake-up timer
Turn off the timer setting.
1 Follow steps 1 to 3 in “Setting the wake-up timer”.
2 Press \( \text{/} \) to select “TIMER OFF”, then press ENTER.

Using the wake-up timer
1 Press \( \text{} \) STANDBY/ON to turn the power off.
2 At the wake-up time, this unit will turn on automatically and play the selected input function.

Note
• If at the wake-up time iPod/iPhone/iPad is not connected to this unit or a disc is not inserted, this unit will be turned on and not play back the track.
• Some discs may not be played automatically at the wake-up time.
• When setting the timer set at least one minute between the start and end time.

Using the sleep timer
The sleep timer switches off the unit after a specified time so you can fall asleep without worrying about it.
1 Press SLEEP repeatedly to select a switch off time.
Choose between 10 min, 20 min, 30 min, 60 min, 90 min, 120 min, 150 min, 180 min or OFF. The newly set value displays for 3 seconds, and then the setting is completed.

Note
• The sleep timer can be set by pressing SLEEP while the remaining time is displayed.

Using Headphones
Connect the headphones plug to the PHONES terminal. When the headphones are connected, there is no sound output from the speakers.

- Do not turn the volume on to full at switch on and listen to music at moderate levels. Excessive sound pressure from earphones and headphones can cause hearing loss.
- Before plugging in or unplugging the headphone, reduce the volume.
- Be sure your headphone has a 3.5 mm diameter plug and impedance between 16 \( \Omega \) and 50 \( \Omega \). The recommended impedance is 32 \( \Omega \).
- Audio from the iPod/iPhone/iPad cannot be heard via the headphones connected to the unit. “HP MUTE” will be displayed if you connect the headphones when the iPod/iPhone/iPad function is selected.
Chapter 5: iPod/iPhone/iPad playback

Merely by connecting your iPod/iPhone/iPad to this unit, you can enjoy high-quality sound from your iPod/iPhone/iPad. This unit cannot transfer music, movies and images from an iPod/iPhone/iPad via the HDMI OUT and COMPONENT VIDEO terminal. Playback setting for iPod/iPhone/iPad music can be performed from this unit or the iPod/iPhone/iPad itself.

Confirming what iPod/iPhone/iPad models are supported

The iPod/iPhone/iPad playable on this unit are shown below.

<table>
<thead>
<tr>
<th>iPod/iPhone/iPad</th>
<th>USB Terminal (Audio only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>iPod nano (3/4/5/6/7G)</td>
<td>✓</td>
</tr>
<tr>
<td>iPod touch (1/2/3/4/5G)</td>
<td>✓</td>
</tr>
<tr>
<td>iPhone 5</td>
<td>✓</td>
</tr>
<tr>
<td>iPhone 4S</td>
<td>✓</td>
</tr>
<tr>
<td>iPhone 4</td>
<td>✓</td>
</tr>
<tr>
<td>iPhone 3G</td>
<td>✓</td>
</tr>
<tr>
<td>iPhone 3GS</td>
<td>✓</td>
</tr>
<tr>
<td>iPhone</td>
<td>✓</td>
</tr>
<tr>
<td>iPad mini</td>
<td>✓</td>
</tr>
<tr>
<td>iPad mini (3/4G)</td>
<td>✓</td>
</tr>
<tr>
<td>iPod/iPad 2</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Note**

- Pioneer does not guarantee that this unit plays iPod/iPhone/iPad models other than the ones specified.
- Some functions may be restricted depending on the model or software version.
- iPod/iPhone/iPad is licensed for reproduction of non-copyrighted materials or materials the user is legally permitted to reproduce.
- Features such as the equalizer cannot be controlled using this system, and we recommend switching the equalizer off before connecting.
- Pioneer cannot under any circumstances accept responsibility for any direct or indirect loss arising from any inconvenience or loss of recorded material resulting from iPod/iPhone/iPad failure.
- For detailed instructions on using the iPod/iPhone/iPad, please refer to the manual supplied with the iPod/iPhone/iPad.
- This system has been developed and tested for the software version of iPod/iPhone/iPad indicated on the website of Pioneer (http://pioneer.jp/homeav/support/ios/eu/).

Connecting your iPod/iPhone/iPad

**Connecting iPod/iPhone/iPad using supplied iPad stand**

1. Connect the iPod/iPhone/iPad cable to the unit.
2. Pass the iPod/iPhone/iPad cable through the bottom of the stand and connect it to the iPod/iPhone/iPad.
3. Set the iPod/iPhone/iPad on the stand.
iPod/iPhone/iPad playback

1 Connect your iPod/iPhone/iPad.
   • If an iPod/iPhone/iPad is connected while the unit is
     turned on, playback of the iPod/iPhone/iPad will not
     begin.

2 Press USB as the input source.
   'USB/iPod' is shown on the main display.

3 When the recognition is completed, will
   begin playing automatically.
   • The available iPod/iPhone/iPad playback control from
     the unit are /, ,  .
   • In the following case, operate your iPod/iPhone/iPad
     directly:
     - Searching a file by artist name or genre.
     - Playing in the repeat or random mode.

CAUTION
• When your iPod/iPhone/iPad is connected to this unit
and you wish to operate the iPod/iPhone/iPad directly,
be sure to steady the iPod/iPhone/iPad with the other
hand to prevent malfunctions due to faulty contacts.

Note
• For detailed instructions on using the iPod/iPhone/iPad,
please refer to the manual supplied with the iPod/
iPhone/iPad.
• iPod/iPhone/iPad recharging occurs whenever an iPod/
iPhone/iPad is connected to this unit. (This function is
supported in standby mode as well.)
• When input is switched from USB/iPod to another
function, iPod/iPhone/iPad playback is temporarily
stopped.

Important
If this unit cannot play your iPod/iPhone/iPad, perform the
following troubleshooting checks:
• Check whether the iPod/iPhone/iPad is supported by
this unit.
• Reconnect the iPod/iPhone/iPad to the unit. If this
doesn’t seem to work, try resetting your iPod/iPhone/
iPad.
• Check the iPod/iPhone/iPad software is supported by
this unit.
If the iPod/iPhone/iPad cannot be operated, check the
following items:
• Is the iPod/iPhone/iPad connected correctly? Reconnect
the iPod/iPhone/iPad to the unit.
• Is the iPod/iPhone/iPad experiencing a hangup? Try
resetting the iPod/iPhone/iPad, and reconnect it to the
unit.
When at iPod/iPhone/iPad connector port, HDMI OUT and
COMPONENT VIDEO will have no output.
Chapter 6:
Disc playback

Playing discs or files

1. Press  STANDBY/ON to turn the power on. The selected input is displayed on the front panel display.
   • When playing discs or files, turn the TV on and switch TV input before starting.
   • You can change the screen display language of the unit (Display settings on page 35).

2. Press DVD/CD on the remote control or INPUT repeatedly on the main unit to select DVD/CD input. Please wait until you see the “NO DISC”.
When a disc is already on the disc tray, press  OPEN/CLOSE to eject the disc.

3. Press  OPEN/CLOSE to open the disc tray.

4. Place the disc on the disc tray, label side up.

5. Press  OPEN/CLOSE to close the disc tray.

6. Press  to start playback.

CAUTION
• Do not place two discs in one disc tray.
• Do not play discs of special shapes (heart, octagon, etc). It may cause malfunctions.
• Do not push the disc tray whilst it is moving.
• If the power fails whilst the tray is open, wait until the power is restored.
• Be sure to place 8 cm disc in the middle of the disc tray.

Note
• Due to the structure of the disc information, it takes longer to read the disc has written by many files than a normal CD (approximately 20 to 90 seconds).
• When the beginning of the first track is reached during fast reverse, the unit will enter the playback mode.
• Rewritable multi-session discs with unfinished writing, can still be played.
• If TV or radio interference occurs during DVD/CD operation, move the unit away from the TV or radio.

Tip
• When no operation has done in DVD/CD mode and the audio file is not played for more than 30 minutes, the power will automatically turn off.
Disc playback

Advanced DVD, CD disc playback

Direct track search
By using the number buttons (0 to 9), you can specify and play the title, chapter, track or file you want to view/listen to.
Use the numeric buttons on the remote control to select the desired title, chapter, track or file whilst playing the selected disc.

Note
• The title, chapter, track or file number higher than the number of titles, chapters, tracks or files on the disc cannot be selected.
• During random play, direct track search is not possible.

To stop playback:
Press [STOP].

A-B Repeat play
The specified section within a single title or track is played repeatedly.

1 Press HOME MENU.
The HOME MENU is displayed.

2 Use \rightarrow to select Play Mode, then press ENTER.
The Play Mode screen is displayed.

3 Use \rightarrow to select A-B Repeat, then press ENTER or \leftarrow.

4 Use \rightarrow to select the A(Start Point), then press ENTER.

5 Use \rightarrow to select the B(End Point), then press ENTER.
Disc playback

Note

- When A-B repeat playback starts, “A-B repeat” will be displayed on the screen.
- A-B repeat play is disabled on some discs.
- A-B repeat play for DVD is possible only within a title.
- A-B repeat play for CD is possible only within a track.
- Some scenes on DVD may not allow A-B repeat play.

To cancel A-B repeat play:
1. Use ‹ or › to select the Off, then press ENTER.

Repeat play
Plays titles, chapters, tracks or files repeatedly.

Follow steps 1 to 2 in “A-B Repeat play”.
2. Use ‹ or › to select Repeat, then press ENTER or ➤.
3. Use ‹ or › to select the title repeat, then press ENTER.
“REPEAT TITLE” is displayed on the main display.

To cancel repeat play:
1. Use ‹ or › to select the Repeat Off.
“REPEAT OFF” is displayed on the main display.

Random play
Plays titles, chapters or tracks in random order.

Follow steps 1 to 2 in “A-B Repeat play”.
2. Use ‹ or › to select Random, then press ENTER or ➤.
3. Use ‹ or › to select the On, then press ENTER.
“RANDOM ON” is displayed on the main display.

- If you press the ➤ during random play, you can move to the track selected next by the random operation. On the other hand, the ◄ does not allow you to move to the previous track. The beginning of the track being played will be located.
- In random play, the unit will select and play tracks automatically. (You cannot select the order of the tracks.)
- During random play, repeat play is not possible.

Note

- After performing repeat play, be sure to press ■. Otherwise, the disc will play continuously.
- During repeat play, random play is not possible.
Disc playback

To cancel random play:

1. Use / to select the Random Off, then press ENTER.
   “RANDOM OFF” is displayed on the main display.

Programmed play

You can choose up to 24 selections for playback in the order you like.

1. Follow steps 1 to 2 in “A-B Repeat play”.
2. Use / to select Program, then press ENTER or .
3. Use / to select Create/Edit, then press ENTER.
   The Create/Edit screen differs according to the disc or file.
4. Use /// to select the title, chapter, track or file, then press ENTER.

4. Use /// to select the title, chapter, track or file, then press ENTER.

Programmed play

You can choose up to 24 selections for playback in the order you like.

1. Follow steps 1 to 2 in “A-B Repeat play”.
2. Use / to select Program, then press ENTER or .
3. Use / to select Create/Edit, then press ENTER.
   The Create/Edit screen differs according to the disc or file.
4. Use /// to select the title, chapter, track or file, then press ENTER.

5. Press .
   Playback will start.

Note

- To play a program that has already been set, select Playback Start from the program screen, then press ENTER.
- To resume normal playback, select Playback Stop from the program screen, then press ENTER. The program remains in memory.
- To cancel the entire program, select Program Delete from the program screen, then press ENTER.
- Programs can be played repeatedly. Select Program Repeat from Repeat on the Play Mode screen during programmed playback.
- Programs cannot be played in random order (random play is not possible during programmed play).
Search mode
Plays the specified number or time within the title, chapter, track or file.
1 Follow steps 1 to 2 in “A-B Repeat play”.
2 Use ↑/↓ to select Search Mode, then press ENTER.
3 Use ↑/↓ to select Title search, then press ENTER or ◄.
4 Use the numeric buttons to select Input Title.

About downloading MP3/WMA
There are many music sites on the internet that you can download MP3/WMA music files. Follow the instructions from the website on how to download the music files. You can then play back these downloaded music files by burning them to a CD/DVD disc.
- Your downloaded song/files are for personal use only.
  Any other usage of the song without owner’s permission, is against the law.

About playback order
Will be played in order from the file that is stored in the upper folder.

Ex.
ROOT (FOLDER 1)  FOLDER A (FOLDER 2)  FOLDER C (FOLDER 4)  FILE 3  FILE 4  FILE 5  FILE 6  FILE 7  FILE 8  FOLDER E (FOLDER 6)  FILE 9  FILE 10

The file will be played in order listed above.
Disc playback

Procedure to playback DivX or MP3/WMA/JPEG file
To play by specifying a file.

1 Press DVD/CD.

2 Press / to select DivX or MP3/WMA/JPEG.
   If DivX, MP3, WMA or JPEG files are mixed in the disc.

3 Press / to select desired playback the file.

4 Press ENTER.
   Playback will start.
Chapter 7: USB playback

Playing USB storage devices
It is possible to listen to two-channel audio using the USB interface on the front of this receiver.

• Pioneer does not guarantee that any file recorded on a USB storage device will play or that power will be supplied to a USB storage device. Also note that Pioneer will accept no responsibility whatsoever for loss of files on USB storage devices caused by connection to this unit.

1 Press USB as the input source. “USB/iPod” is shown on the main display.

2 Connect the USB storage device. “GUI” appear on the main display automatically.

• This receiver does not support a USB hub.

• If an iPod/iPhone/iPad is connected to the unit, the unit will automatically begin charging it.

3 When the recognition is completed, press ▶/II to start playback.

• When changing to a different input source, stop the USB memory playback first before changing.

4 Disconnect USB storage device from the USB terminal.

Procedure to playback DivX or MP3/WMA/JPEG file
To play by specifying a file.

1 Press USB.

2 Press  † ‡ to select DivX or MP3/WMA/JPEG. If DivX, MP3, WMA or JPEG files are mixed in the USB storage device.

USB flash drive that supports USB 2.0 can be used.

This unit may not recognize a USB storage device, play files or supply power to a USB storage device. For details, see When a USB storage device is connected on page 37.

When a USB storage device is not playing and no operations have been performed for more than 30 minutes, the unit will automatically power off.

Note

PHONES AUDIO IN

USB storage device (commercially available)
USB playback

3 Press ↑/↓ to select desired playback file.

4 Press ENTER.

Playing in the desired order
(Programmed Play)

This unit can play repeatedly folders stored in the USB storage device. For details, see Programmed play on page 23.

Playback will start.
Chapter 8:

Using the tuner

Listening to the radio broadcasts

The following steps show you how to tune in to FM radio broadcasts using the automatic (search) and manual (step) tuning functions. Once you are tuned to a station you can memorize the frequency for recall later. See Saving station presets below for more on how to do this.

**Tuning**

1. Press the STANDBY/ON to turn the power on.

2. Press TUNER.

3. Press TUNE +/– on the remote control to tune in to the desired station.

**Automatic tuning:**

Press and hold TUNE +/–, scanning will start automatically and the tuner will stop at the first receivable broadcast station.

**Manual tuning:**

Press the TUNE +/– repeatedly to tune in to the desired station.

**Note**

- When radio interference occurs, automatic tuning may stop automatically at that point.
- Automatic tuning will skip weak signal stations.
- To stop the automatic tuning, press $\dagger$.
- When an RDS (Radio Data System) station is tuned in, the frequency will be displayed first. Finally, the station name will appear.
- Full auto tuning can be achieved for RDS stations using Auto Station Program Memory (ASPM) mode, see page 30.

To receive an FM stereo transmission:

- Press ST/MONO to select stereo mode and “AUTO” will be displayed.

**Improving poor FM reception:**

1. Press ST/MONO repeatedly to select MONO.

   This will change the tuner from stereo to mono and usually improve the reception.

**Saving station presets**

If you often listen to a particular radio station, it’s convenient to have the receiver store the frequency for easy recall whenever you want to listen to that station (Preset tuning). This saves the effort of manually tuning in each time. This unit can memorize up to 40 stations.

1. Tune to a station you want to memorize.

   See Tuning above for more on this.

2. Press MEMORY.

   The preset number will flash.

3. Press PRESET +/– to select the preset channel number.

4. Press MEMORY to store that station in memory.

   If the preset number has changed from flashing to lighting, before the station is memorised, repeat the operation from step 2.

   - Repeat steps 1 - 4 to set other stations, or to change a preset station. When a new station is stored in the memory, the station previously memorised for that preset channel number will be erased.

   **Note**

   - The backup function protects the memorised stations for a few hours should there be a power failure or the AC power cord become disconnected.
Using the tuner

To recall a memorised station

1. Press PRESET +/- to select the desired station.

To scan the preset stations

The stations saved in the memory can be scanned automatically. (Preset memory scan)

1. Press and hold PRESET +/-.
   - The preset number will appear and the programmed stations will be tuned in sequentially, for 5 seconds each.
2. Press PRESET +/- again when the desired station is located.

To erase entire preset memory

1. Press TUNER on the remote control.
2. Press CLEAR until "MEMORY CLEAR" appears.

Note

- All stations will be erased.

Using the Radio Data System (RDS)

Areas that do not support the RDS cannot use the RDS function.

An introduction to RDS

Radio Data System (RDS) is a system used by most FM radio stations to provide listeners with various kinds of information—the name of the station and the kind of show they're broadcasting, for example. One feature of RDS is that you can search by type of program. For example, you can search for a station that's broadcasting a show with the program type: JAZZ.

You can search the following program types:

- News - News
- Current Affairs - Current Affairs
- Information - General Information
- Sport - Sport
- Education - Educational
- Drama - Radio plays, etc.
- Cultures - National or regional culture, theater, etc.
- Science - Science and technology
- Varied Speech - Usually talk-based material, such as quiz shows or interviews.
- Pop Music - Pop music
- Rock Music - Rock music
- Easy Listening - Easy listening
- Light Classics M - "Light" classical music
- Serious Classics - "Serious" classical music
- Other Music - Music not fitting above categories
- Weather & Metr - Weather reports
- Finance - Stock market reports, commerce, trading, etc.
- Children's Progs - Programs for children
- Social Affairs - Social affairs
- Religion - Programs concerning religion
- Phone In - Public expressing their views by Phone
- Travel & Touring - Holiday-type travel rather than traffic announcements
- Leisure & Hobby - Leisure interests and hobbies
- Jazz Music - Jazz
- Country Music - Country music
- National Music - Popular music in a language other than English
- Oldies Music - Popular music from the '50s and '60s
- Folk Music - Folk music
- Documentary - Documentary
- Alarm Test - Broadcasting when testing emergency broadcast equipment or receivers
- Alarm - Alarm!

Searching for RDS programs

You can search a program type listed above.

1. Press TUNER on the remote control.
2. Press RDS PTY on the remote control.
   - "SELECT" will appear for about 6 seconds.
3. Press ←/→ to select the program type you want to hear.
   - Each time the button is pressed, the program type will appear.
   - If the button is held down, the program type will appear continuously.
4. Whilst the selected program type is displayed (within 6 seconds), Press RDS PTY again.

After the selected program type has been lit for 2 seconds, "SEARCH" will appear, and the search operation will start.

Note

- If the display has stopped flashing, start again from step 2. If the unit finds a desired program type, the corresponding channel number will be lit for about 8 seconds, and then the station name will be displayed.
- If you want to listen to the same program type of another station, press the RDS PTY whilst the channel number or station name is flashing. The unit will look for the next station.
Using the tuner

- If no station can be found, “NOT FOUND” will appear for 4 seconds.

**Information provided by RDS**

Each time the RDS DISPLAY is pressed, the display will switch as follows:

1. When tuning in to a station other than an RDS station or to an RDS station which sends weak signal, the display will change in the following order:
   - Frequency
   - Radio text (RT)
   - Programme type (PTY)
   - Station name (PS)

2. Using the Auto Station Program Memory (ASPM)

   Whilst in the ASPM operation mode, the tuner will automatically search for new RDS stations. Up to 40 stations can be stored.
   - If you have already stored some stations in memory, the number of new stations you can store will be less.
   1. Press TUNER on the remote control.
   2. Press and hold down RDS ASPM on the remote control.

   After “ASPM” has flashed for about 4 seconds, scanning will start (87.5 MHz to 108 MHz).
   - After scanning, the number of stations stored in memory will be displayed for 4 seconds, and then “END” will appear for 4 seconds.

   **To stop the ASPM operation before it is complete:**

   Press whilst it is scanning for stations. The stations which are already stored in memory will be kept there.

   **Note**

   - If the same station is broadcasting on different frequencies, the strongest frequency will be stored in memory.
   - Any station which has the same frequency as the one stored in memory will not be stored.
   - If 40 stations have already been stored in memory, the scan will be aborted. If you want to redo the ASPM operation, erase the preset memory.
   - If the RDS signals are very weak, station names may not be stored in memory.

**Notes for RDS operation**

If any of the following events occur, it does not mean that the unit is faulty:

- “PS”, “NO PS” and a station name appear alternately, and properly.
- If a particular station is not broadcasting properly or a station is conducting tests, the RDS reception function may not work properly.
- When you receive an RDS station whose signal is too weak, information like the station name may not be displayed.
- “NO PS”, “NO PTY” or “NO RT” will flash for about 5 seconds, and then the frequency will be displayed.

**Notes for radio text:**

- The first 16 characters of the radio text will appear and then they will scroll across the display.
- If you tune in to an RDS station which is not broadcasting any radio text, “NO RT” will be displayed when you switch to the radio text position.
- Whilst radio text data is received or when the text contents change, “RT” will be displayed.
Using the tuner

Listening to the DAB+

About DAB+ (Digital Audio Broadcasting)

Digital Audio Broadcasting is a digital transmission system where audio signals are converted to digital signals for broadcasting. DAB+ is broadcast as a group of data called multiplex (ensemble) which may contain one or more stations (services). Each station contains a primary service and there may be one or more secondary services. This allows several programmes or services to be transmitted on a single frequency.

Auto Scan

When turned on for the first time, the unit scans radio stations automatically to create a station list. You can make the auto scan again when you move the unit to other areas or add multiplex channels to the station list.

1 Press the TUNER until "DAB" appears on the display.
2 Press DAB SCAN on the remote control for more than 3 seconds.
Auto Scan scanning begins.

After the scan:
The stations will be stored in alphanumeric order and the first station on the list will be selected and you will hear it through the speakers.

- To listen to other stations, see Selecting a station in the station list below.

Note
- If no station is found, 'NO SIGNAL' appears.
- Up to 100 appears for total received stations.

Selecting a station in the station list

Once a DAB+ station is received, you can select stations in the station list.

1 Press the TUNER until "DAB" appears on the display.
2 Whilst receiving a DAB+ station, press the TUNE +/- to select the desired station.
3 Within 10 seconds, press the DAB ENTER on the remote control to tune into the desired station.

Manual tune

You can manually store stations which Auto Scan cannot find. If reception is poor, you can adjust the sensitivity. Manual tune is only available after Auto tune. Perform Auto Scan first.

1 Press the TUNER until "DAB" appears on the display.
2 Press the DAB SCAN once.
3 Within 10 seconds, press the TUNE +/- to select the DAB+ frequency.
4 Within 10 seconds, press the DAB ENTER.

- If the level is too low, move the aerial or unit to improve reception.
Changing the information display
You can switch DAB+ display information.
Press the DAB DISPLAY button.
Each time the button is pressed, the information display changes in the following order.
When “NO SIGNAL” appears, the DAB DISPLAY button does not allow you to change the display.

[Station Name]
Station name is displayed. (set by default)

[Scrolling text]
Information scrolls across the display when sent from the station.

[Programme type]
A description of the type of content being broadcast by the station.

[Multiplex name]
The name of the multiplex (ensemble) which provides the current service.

[Frequency]
The DAB+ frequency for the station.

[Stereo mode]
Display stereo mode.

[Transfer speed]
The data transfer speed.

[Signal quality]
The signal quality is displayed as a number (0 - 100).
[85-100: Good, 70-84: Fair, 0-69: Poor]

Memorising a station
You can store 10 DAB stations in memory and recall them at the push of a button. (Preset tuning)

1 Tune to the desired DAB station.
2 Press the MEMORY/PROGRAM.
The preset number will flash.
3 Within 10 seconds, press the PRESET +/- to select the preset channel number.
Store the stations in memory, in order, starting with preset channel 1.
4 Within 10 seconds, press the MEMORY/PROGRAM to store that station in memory.
If the preset number indicators disappear before the station is memorised, repeat the operation from step 2.
5 Repeat steps 1 - 4 to set other stations, or to change a preset station.
When a new station is stored in the memory, the station previously memorised for that preset channel number will be erased.

DAB Frequency table (BAND III)

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Label</th>
<th>Frequency</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>174.928 MHz</td>
<td>5A</td>
<td>208.064 MHz</td>
<td>9D</td>
</tr>
<tr>
<td>176.640 MHz</td>
<td>5B</td>
<td>209.936 MHz</td>
<td>10A</td>
</tr>
<tr>
<td>178.352 MHz</td>
<td>5C</td>
<td>211.648 MHz</td>
<td>10B</td>
</tr>
<tr>
<td>180.064 MHz</td>
<td>5D</td>
<td>213.360 MHz</td>
<td>10C</td>
</tr>
<tr>
<td>181.936 MHz</td>
<td>6A</td>
<td>215.072 MHz</td>
<td>10D</td>
</tr>
<tr>
<td>183.648 MHz</td>
<td>6B</td>
<td>216.928 MHz</td>
<td>11A</td>
</tr>
<tr>
<td>185.360 MHz</td>
<td>6C</td>
<td>218.640 MHz</td>
<td>11B</td>
</tr>
<tr>
<td>187.072 MHz</td>
<td>6D</td>
<td>220.352 MHz</td>
<td>11C</td>
</tr>
<tr>
<td>188.928 MHz</td>
<td>7A</td>
<td>222.064 MHz</td>
<td>11D</td>
</tr>
<tr>
<td>190.640 MHz</td>
<td>7B</td>
<td>223.936 MHz</td>
<td>12A</td>
</tr>
<tr>
<td>192.352 MHz</td>
<td>7C</td>
<td>225.648 MHz</td>
<td>12B</td>
</tr>
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<td>194.064 MHz</td>
<td>7D</td>
<td>227.360 MHz</td>
<td>12C</td>
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<td>195.936 MHz</td>
<td>8A</td>
<td>229.072 MHz</td>
<td>12D</td>
</tr>
<tr>
<td>197.648 MHz</td>
<td>8B</td>
<td>230.784 MHz</td>
<td>13A</td>
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<tr>
<td>199.360 MHz</td>
<td>8C</td>
<td>232.496 MHz</td>
<td>13B</td>
</tr>
<tr>
<td>201.072 MHz</td>
<td>8D</td>
<td>234.208 MHz</td>
<td>13C</td>
</tr>
<tr>
<td>202.928 MHz</td>
<td>9A</td>
<td>235.776 MHz</td>
<td>13D</td>
</tr>
<tr>
<td>204.640 MHz</td>
<td>9B</td>
<td>237.488 MHz</td>
<td>13E</td>
</tr>
<tr>
<td>206.352 MHz</td>
<td>9C</td>
<td>239.200 MHz</td>
<td>13F</td>
</tr>
</tbody>
</table>
Chapter 9: Other connections

CAUTION
• Before making or changing the connections, switch off the power and disconnect the power cord from the AC outlet.

Connecting auxiliary components

Connect the front panel AUDIO IN mini-plug jack to your auxiliary playback component.
• This method can be used to play music on this unit from iPods/iPhones/iPads that do not support use of the USB terminal.

1 Press AUDIO IN/LINE as the input source.
When AUDIO IN is selected, “AUDIO IN” will be displayed on the main display.

Note
• If the AUDIO IN mini-plug jack is connected to auxiliary phones jack, the volume of the unit will be adjusted by the volume on the playback component. If the sound is distorted after you lower the volume of the unit, try lowering the volume on the auxiliary playback component.
Chapter 10: Changing the settings

Settings for DVD/CD and USB playback

1. Press HOME MENU. HOME MENU screen appears.
2. Use ▲/▼/◄/► to select the item, then press ENTER.
3. Use ▲/▼/◄/► to change the setting, then press ENTER.
   • Closing the HOME MENU screen. Press HOME MENU.

The factory default settings are indicated in italic.

Important
• The following settings are available for a disc or USB storage device content. They are not available for iPod/iPhone/iPad, tuner, external input (AUDIO IN/LINE).
• In the USB/iPod mode, you can only change the Play Mode and Audio Settings on the HOME MENU screen.

Audio Settings parameters

<table>
<thead>
<tr>
<th>Settings</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio DRC</td>
<td>• This makes loud sounds weaker and weak sounds louder. Change the setting for example when watching movies late at night.</td>
</tr>
<tr>
<td></td>
<td>• This setting only affects Dolby Digital sound.</td>
</tr>
<tr>
<td></td>
<td>• The effect depends on the volume of the connected TV, AV receiver or amplifier, speakers, etc. Try different settings, and choose the one providing the strongest effect.</td>
</tr>
</tbody>
</table>

Video Adjust parameters

<table>
<thead>
<tr>
<th>Settings</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sharpness (Fine/Standard/Soft)</td>
<td>Adjusts the picture’s sharpness.</td>
</tr>
<tr>
<td>Brightness (-20 to +20)</td>
<td>Adjusts the picture’s brightness.</td>
</tr>
<tr>
<td>Contrast (-16 to +16)</td>
<td>Adjusts the ratio of the brightness of the brightest and darkest portions of the picture.</td>
</tr>
<tr>
<td>Gamma (-3 to +3)</td>
<td>Adjusts the look of the dark portions of the picture.</td>
</tr>
<tr>
<td>Hue (green 9 to red 9)</td>
<td>Adjusts the balance between green and red.</td>
</tr>
<tr>
<td>Chroma Level (-9 to +9)</td>
<td>Adjusts the density of the colors. This setting is effective for sources with many colors, such as cartoons.</td>
</tr>
</tbody>
</table>

Brightness, Contrast, Gamma, Hue and Chroma Level are set to 0 upon purchase.

Initial Settings parameters
• Use these settings to make detailed unit settings.
• Initial Settings cannot be selected during playback. Stop the disc first.
Changing the settings

Digital Audio Out settings

<table>
<thead>
<tr>
<th>Settings</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI Out</td>
<td>Select the audio signals to be output from the HDMI OUT terminal (LPCM (2CH) / Auto Off) according to the connected HDMI-compatible device.</td>
</tr>
</tbody>
</table>

Video Output settings

<table>
<thead>
<tr>
<th>Settings</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV Screen</td>
<td>Change the picture display format (4:3 (Letter Box) / 4:3 (Pan &amp; Scan) / 16:9 (Wide) / 16:9 (Compressed)) according to the connected TV.</td>
</tr>
<tr>
<td>HDMI Resolution</td>
<td>Change the resolution of the video signals output from the HDMI OUT terminal (720x576i / 720x576p / 1280x720p / 1920x1080i / 1920x1080p). If the image does not appear correctly after changing the setting, return the setting to “720x576p”. Refer to “Setting the HDMI Resolution settings back to their defaults” below.</td>
</tr>
<tr>
<td>HDMI Color</td>
<td>Change the video signals output from the HDMI OUT terminal (Full range RGB / Component).</td>
</tr>
</tbody>
</table>

Language settings

<table>
<thead>
<tr>
<th>Settings</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio Language</td>
<td>Change the language when listening to the sound of DVD-Video discs (English / available languages / Other Language).</td>
</tr>
<tr>
<td>Subtitle Language</td>
<td>Change the language of the subtitles displayed for DVD-Video discs (English / available languages / Other Language).</td>
</tr>
<tr>
<td>DVD Menu Lang.</td>
<td>Change the language used for the menu displays of DVD-Video discs (with Subtitle Lang. / available languages / Other Language).</td>
</tr>
<tr>
<td>Subtitle Display</td>
<td>Select whether to display subtitles (On) or not (Off).</td>
</tr>
</tbody>
</table>

• If the above setting is used to select “Other Language,” perform operations while referring to Language Code Table on page 39.

Display settings

<table>
<thead>
<tr>
<th>Settings</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSD Language</td>
<td>Change the language of the operation messages (Play, Stop, etc.) displayed on the TV screen (English / available languages).</td>
</tr>
<tr>
<td>Angle Indicator</td>
<td>Select whether to display the angle mark on the TV screen (On) or not (Off).</td>
</tr>
<tr>
<td>On Screen Display</td>
<td>Select whether to display operation messages (Play, Stop, etc.) on the TV screen (On) or not (Off).</td>
</tr>
</tbody>
</table>

Options settings

<table>
<thead>
<tr>
<th>Settings</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>DivX(R) VOD</td>
<td>Display the registration code required for playing DivX(R) VOD files (Activate / Deactivate).</td>
</tr>
</tbody>
</table>

Setting the HDMI Resolution settings back to their defaults

1. Press and hold VIDEO MODE.
## Troubleshooting

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest Pioneer authorized service center or your dealer to carry out repair work.

- If the unit does not operate normally due to external effects such as static electricity disconnect the power plug from the outlet and insert again to return to normal operating conditions.

### General problem

<table>
<thead>
<tr>
<th>Problem</th>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Settings you have made have been cleared.</td>
<td>Was the power cord unplugged?</td>
<td>When power cord is unplugged, the settings you have made is cleared. Please set the clock again. If you do not want to clear the settings, do not unplug the power cord.</td>
</tr>
<tr>
<td>Difference in volume between DVDs, CDs, MP3, WMA, iPod/iPhone/iPad, Tuner, AUDIO IN and LINE.</td>
<td>This is not a problem with this unit.</td>
<td>The volume may sound differently depending on the input source and recording format.</td>
</tr>
<tr>
<td>This unit cannot be operated with the remote control.</td>
<td>Are you operating from far away?</td>
<td>Operate within 7 in, 30° of the remote sensor on the front panel (page 6).</td>
</tr>
<tr>
<td>Disc cannot be played or disc is ejected automatically.</td>
<td>Is the disc scratched?</td>
<td>Scratched discs may not play.</td>
</tr>
<tr>
<td></td>
<td>Is the disc dirty?</td>
<td>Wipe the dirt off the disc (page 49).</td>
</tr>
<tr>
<td></td>
<td>Is this unit placed in a humid location?</td>
<td>There could be condensation inside. Wait a while for the condensation to evaporate. Do not place this unit near an air-conditioner etc. (page 42).</td>
</tr>
<tr>
<td>DVD VR cannot be played.</td>
<td>Is the disc supported CPRM?</td>
<td>This unit does not support CPRM. You can play only DVD VR of a non CPRM.</td>
</tr>
<tr>
<td>Picture is stretched, or aspect ratio cannot be switched.</td>
<td>Is the aspect ratio properly set on the connected TV?</td>
<td>Refer to the TV’s operating instructions and set the TV’s aspect ratio properly.</td>
</tr>
<tr>
<td></td>
<td>Is TV Screen properly set?</td>
<td>Set TV Screen properly (page 34). This setting is available for a disc or USB storage device content. For movies and images stored in iPod/iPhone/iPad, operate your iPod/iPhone/iPad.</td>
</tr>
<tr>
<td>During playback, picture is disturbed or dark.</td>
<td>This is not a problem with this unit.</td>
<td>This unit supports Rovi copy protection. With some TVs, the picture may not display properly when playing discs including copy prevention signals. This is not a malfunction.</td>
</tr>
<tr>
<td></td>
<td>Are this unit and TV connected via a video deck?</td>
<td>When this unit and TV are connected via a video deck, this unit’s analog copy protect function may cause the picture being played on the video deck not to display properly. Connect this unit and TV directly.</td>
</tr>
<tr>
<td>Sound and video are intermittent during disc playback.</td>
<td>Sound volume may be too high.</td>
<td>Sound and video may be unsteady if sound volume is set too high; in this case, lower the sound volume.</td>
</tr>
</tbody>
</table>
## Additional information

### Problem: USB storage device is not recognized.

**Check:** Is the USB storage device properly connected?  
**Remedy:** Connect the device securely (all the way in).

**Check:** Is the USB storage device connected via a USB hub?  
**Remedy:** This unit does not support USB hubs. Connect the USB storage device directly.

**Check:** Is the USB storage device supported by this unit?  
**Remedy:** This unit only supports USB mass storage class devices. This unit supports portable flash memory and digital audio playback devices.

**Check:** Only the FAT16 and FAT32 file systems are supported. Other file systems (exFAT, NTFS, HFS etc.) are not supported.  
**Remedy:** USB flash drive that supports USB 2.0 can be used.  
**Check:** This device does not support the use of external hard disc drives.  
**Remedy:** This is not a problem with this unit.

### Problem: File cannot be played.

**Check:** Is the file copyright-protected (by DRM)?  
**Remedy:** Copyright-protected files cannot be played.

**Check:** Files stored on a computer cannot be played.  
**Remedy:** This is not a problem with this unit.

**Check:** It may not be possible to play some files.  
**Remedy:** This is not a problem with this unit.

### Problem: Folder or file names are not displayed or are not properly displayed.

**Check:** Do the folder of file names contain more than 30 characters?  
**Remedy:** The maximum number of characters displayable for the folder and file names is 30.

**Check:** The order of the folder and file names displayed Disc Navigator depends on the order in which the folders or files were recorded on the USB storage device.

**Check:** USB storage devices are not recognized.  
**Remedy:** This is not a problem with this unit.

**Check:** The order of the folder and file names displayed Disc Navigator depends on the order in which the folders or files were recorded on the USB storage device.

**Check:** Power is not supplied to the USB storage device.  
**Remedy:** Turn the power off then back on.

**Check:** Turn the power off, then disconnect and reconnect the USB storage device.

**Check:** Press INPUT to switch to the other input, then switch again to the USB/IPod input.
### When connected to an HDMI-compatible device

<table>
<thead>
<tr>
<th>Problem</th>
<th>Check</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Picture is not displayed.</td>
<td>Is the resolution properly set?</td>
<td>Set <strong>HDMI Resolution</strong> properly for the connected device (page 35).&lt;br&gt; Restore <strong>HDMI Resolution</strong> to the default setting (720x576p) (page 35).&lt;br&gt; Is the HDMI cable properly connected?</td>
</tr>
<tr>
<td>Sound is not produced or is distorted.</td>
<td><strong>HDMI Out</strong> properly set?</td>
<td>Set <strong>HDMI Out</strong> to <strong>LPCM (2CH)</strong> or <strong>Auto</strong> (page 35).&lt;br&gt; Multichannel audio signals are not output.</td>
</tr>
<tr>
<td>Colors are not properly displayed on TV screen.</td>
<td><strong>HDMI Color</strong> properly set?</td>
<td>Change the <strong>HDMI Color</strong> setting (page 35).</td>
</tr>
</tbody>
</table>

### When an iPod/iPhone/iPad is connected

<table>
<thead>
<tr>
<th>Problem</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can’t operate the iPod/iPhone/iPad by the remote control.</td>
<td>Make sure the iPod/iPhone/iPad is connected correctly (refer to <strong>Connecting your iPod/iPhone/iPad</strong> on page 18).</td>
</tr>
<tr>
<td>Can’t operate the iPod/iPhone/iPad.</td>
<td>Make sure the iPod/iPhone/iPad is connected correctly (refer to <strong>Connecting your iPod/iPhone/iPad</strong> on page 18).&lt;br&gt; If the iPod/iPhone/iPad is experiencing a hang-up, try resetting the iPod/iPhone/iPad, and reconnect it to the unit.</td>
</tr>
</tbody>
</table>
### Language Code Table

#### Language names (codes) and input codes:

Japanese (ja), 1001  
English (en), 0514  
French (fr), 0618  
German (de), 0405  
Italian (it), 0920  
Spanish (es), 0519  
Chinese (zh), 2608  
Dutch (nl), 1412  
Portuguese (pt), 1620  
Swedish (sv), 1922  
Russian (ru), 1821  
Danish (da), 0509  
Welsh (cy), 1518  
Basque (eu), 1518  
Persian (fa), 1518  
Punjabi (pa), 1601  
Polish (pl), 1612  
Pashto, Pushto (ps), 1619  
Quechua (qu), 1721  
Rhaeto-Romance (rm), 1813  
Kurish (kr), 1814  
Romanian (ro), 1815  
Kinyarwanda (rw), 1823  
Sanskrit (sa), 1901  
Sinhalese (si), 1904  
Sango (sg), 1907  
Serbo-Croatian (sh), 1908  
Sinhalese (si), 1909  
Slovak (sk), 1911  
Slovenian (sl), 1912  
Somali (so), 1913  
Shona (sn), 1914  
Somali (so), 1915  
Albanian (sq), 1916  
Setswana (tn), 1917  
Serbian (sr), 1918  
Shona (sn), 1918  

Nauru (nu), 1401  
Nepali (ne), 1405  
Norwegian (no), 1415  
Occitan (oc), 1503  
Oromo (om), 1513  
Oria (or), 1518  
Panjabi (pa), 1601  
Polish (pl), 1612  
Pashto, Pushto (ps), 1619  
Quechua (qu), 1721  
Rhaeto-Romance (rm), 1813  
Kurish (kr), 1814  
Romanian (ro), 1815  
Kinyarwanda (rw), 1823  
Sanskrit (sa), 1901  
Sinhalese (si), 1904  
Sango (sg), 1907  
Serbo-Croatian (sh), 1908  
Sinhalese (si), 1909  
Slovak (sk), 1911  
Slovenian (sl), 1912  
Somali (so), 1913  
Shona (sn), 1914  
Somali (so), 1915  
Albanian (sq), 1916  
Setswana (tn), 1917  


### Country/Area Code Table

#### Country/Area name, Input codes and Country/Area Code Table

United States, 2119, us  
Argentina, 0118, ar  
United Kingdom, 0702, gb  
Italy, 0920, it  
India, 0914, in  
Indonesia, 0904, id  
Australia, 0123, au  
Austria, 0120, at  
Netherlands, 1412, nl  
Canada, 0301, ca  
Korea, Republic of, 1118, kr  
Singapore, 1907, sg  
Switzerland, 0808, ch  
Sweden, 1905, se  
Spain, 0519, es  
Thailand, 2008, th  
Taiwan, 2023, tw  
China, 0314, cn  

Sri Lanka, 0310, lk  
USA, 0702, us  
United Kingdom, 0702, gb  
Italy, 0920, it  
India, 0914, in  
Indonesia, 0904, id  
Australia, 0123, au  
Austria, 0120, at  
Netherlands, 1412, nl  
Canada, 0301, ca  
Korea, Republic of, 1118, kr  
Singapore, 1907, sg  
Switzerland, 0808, ch  
Sweden, 1905, se  
Spain, 0519, es  
Thailand, 2008, th  
Taiwan, 2023, tw  
China, 0314, cn  

Chile, 0312, cl  
Denmark, 0411, dk  
Germany, 0405, de  
Japan, 1016, jp  
New Zealand, 1426, nz  
Norway, 0145, no  
Pakistan, 1611, pk  
Philippines, 1608, ph  
Finland, 0609, fi  
Mexico, 1324, mx  
Russian Federation, 1821, ru  
Brazil, 0218, br  
France, 0618, fr  
Belgium, 0205, be  
Portugal, 1620, pt  
Hong Kong, 0811, hk  
Malaysia, 1325, my
**Playable discs and formats**

<table>
<thead>
<tr>
<th>Format</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DVD-Video</strong></td>
<td>• Commercially available DVD-Video discs</td>
</tr>
<tr>
<td></td>
<td>• DVD-R/-RW/-R DL and DVD+R/+RW/+R DL discs recorded in the Video mode</td>
</tr>
<tr>
<td><strong>DVD VR</strong></td>
<td>DVD-R/-RW/-R DL discs recorded in the VR mode</td>
</tr>
<tr>
<td><strong>ISO9660</strong></td>
<td>This unit does not support CPRM</td>
</tr>
<tr>
<td><strong>Super Video CD</strong></td>
<td>Super Video CDs</td>
</tr>
<tr>
<td><strong>Video CD</strong></td>
<td>Video CDs</td>
</tr>
<tr>
<td><strong>Audio CD</strong></td>
<td>• Commercially available audio CDs</td>
</tr>
<tr>
<td></td>
<td>• CD-R/-RW/-ROM discs containing music recorded in the CD-DA format</td>
</tr>
<tr>
<td><strong>JPEG</strong></td>
<td>JPEG Files recorded on DVD-R/-RW/-R DL discs, CD-R/-RW/-ROM discs or USB storage devices</td>
</tr>
<tr>
<td><strong>DivX</strong></td>
<td>DivX video files recorded on DVD-R/-RW/-R DL discs, CD-R/-RW/-ROM discs or USB storage devices</td>
</tr>
<tr>
<td><strong>WMA</strong></td>
<td>WMA files recorded on DVD-R/-RW/-R DL discs, CD-R/-RW/-ROM discs or USB storage devices</td>
</tr>
<tr>
<td><strong>MP3</strong></td>
<td>MP3 files recorded on DVD-R/-RW/-R DL discs, CD-R/-RW/-ROM discs or USB storage devices</td>
</tr>
</tbody>
</table>

- Only the discs that have been finalized can be played.
- Discs recorded in packet write mode (UDF format) are not compatible with this unit.
- Corporation and product names mentioned herein are trademarks or registered trademarks of the respective corporations.
- Only discs recorded in ISO9660 Level 1, Level 2 and Joliet can be played.
- DVD is a trademark of DVD Format/Logo Licensing Corporation.

**Note**

- This unit does not support multisession discs or multiborder recording.
- Multisession/multiborder recording is a method in which data is recorded on a single disc in two or more sessions/borders. A “session” or “border” is one recording unit, consisting of a complete set of data from lead-in to lead-out.

**Discs that cannot be played**

- Blu-ray discs
- HD DVDs
- AVCHD
- AV/REC
- DVD-Audio discs
- DVD-RAM discs
- SACDs
- CD-G

### About region numbers

DVD player and DVD-Video discs are assigned region numbers according to the region in which they are sold. This player’s region number(s) is (are) as shown below.

- **DVD-Video**: 4
- Discs not including these numbers cannot be played. Discs playable on this player are as shown below.
  - DVDs: 4 (including 4) and ALL

### Regarding copy protected CDs

This unit is designed to conform to the specifications of the audio CD format. This unit does not support the playback or function of discs that do not conform to these specifications.

- Files other than the ones below (WMV, MPEG4-AAC, etc.) are not guaranteed to play.

### About playing DualDiscs

A DualDisc is a new two-sided disc, one side of which contains DVD content - video, audio, etc. - while the other side contains non-DVD content such as digital audio material.

- The DVD side of a DualDisc can be played on this unit (excluding any DVD-Audio content).
- The non-DVD, audio side of the disc is not compatible with this unit.
- It is possible that when loading or ejecting a DualDisc, the opposite side to that being played will be scratched. Scratched discs may not be playable.
- For more detailed information on DualDisc specifications, please refer to the disc manufacturer or disc retailer.
Playing discs created on computers or BD/DVD recorders

- It may not be possible to play discs recorded using a computer due to the application settings or computer’s environment settings. Record discs in a format playable on this unit. For details, contact the dealer.
- It may not be possible to play discs recorded using a computer or a BD/DVD recorder, if burn quality is not good due to characteristics of the disc, scratches, dirt on the disc, dirt on the recorder’s lens, etc.

Playable files

- Files protected by DRM (Digital Rights Management) cannot be played.
- Files other than the ones below (WMV, MPEG4-AAC, etc.) are not guaranteed to play.

Supported video file formats

DivX

- DivX is a media technology created by DivX, Inc. DivX media files contain image data.
- DivX files may also include such advanced playback functions as menu screens and selection of multiple subtitle languages’ audio tracks.
- DivX Certified® to play DivX® video, including premium content.
- DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.
- This item incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

File extensions: .avi and .divx (these must be used for this unit to recognize DivX video files). Note that all files with the .avi extension are recognized as MPEG4, but not all of these are necessarily DivX video files and therefore may not be playable on this unit.
- Files not containing DivX video signals cannot be played, even if they have the extension “.avi”.

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

Displaying external subtitle files

- The font sets listed below are available for external subtitle files. You can see the proper font set on-screen by setting the Subtitle Language on page 36 to match the subtitle file.
- This unit supports the following language groups:

Group 1
- Afrikaans (af), Basque (eu), Catalan (ca), Danish (da), Dutch (nl), English (en), Faroese (fo), Finnish (fi), French (fr), German (de), Icelandic (is), Irish (ga), Italian (it), Norwegian (no), Portuguese (pt), Rhaeto-Romanic (rn), Scottish (gd), Swedish (sv), etc.

Group 2
- Albanian (sq), Croatian (hr), Czech (cs), Hungarian (hu), Polish (pl), Romanian (ro), Slovak (sk), Slovenian (sl)

Group 3
- Bulgarian (bg), Byelorussian (be), Macedonian (mk), Russian (ru), Serbian (sr), Ukrainian (uk)

Group 4
- Hebrew (he), Yiddish (ji)

Group 5
- Turkish (tr)

Some external subtitle files may be displayed incorrectly or not at all.
- For external subtitle files the following subtitle format filename extensions are supported (please note that these files are not shown within the disc navigation menu): .srt, .sub, .ssa, .smi
- The filename of the movie file has to be repeated at the beginning of the filename for the external subtitle file.
- The number of external subtitle files which can be switched for the same movie file is limited to a maximum of 10.

Supported image file formats

JPEG

Resolution: Up to 3072 x 2048 pixels
File extensions: .jpg and .JPG (must be used for this unit to recognize JPEG files – do not use for other file types)
- This unit supports Exif Ver.2.2.
- This unit supports baseline JPEG.
- During VBR file playback, time counter in the display may differ from its actual playback time.

Supported audio file formats

- This unit does not support lossless encoding.

MP3

MP3 is a form of compression. It is an acronym which stands for MPEG Audio Layer 3. MP3 is a type of audio codec which is processed by significant compression from the original audio source with very little loss in sound quality.
- This system supports MPEG-1/2 Audio Layer 3 (Sampling rates: 8 kHz to 48 kHz, Bit rates: 64 kbps to 384 kbps).
- During VBR file playback, time counter in the display may differ from its actual playback time.
WMA:
WMA files are Advanced System Format files that include audio files which are compresssed with Windows Media Audio codec. WMA is developed by Microsoft as an audio format file for Windows Media Player.
- This system supports WMA (Sampling rates: 32 kHz/44.1 kHz/48 kHz; Bit rates: 64 kbps to 320 kbps).
- During VBR file playback, time counter in the display may differ from its actual playback time.

Cautions on use

When moving this unit
When moving this unit, be sure to first check that there is no disc loaded and disconnect the iPod/iPhone/iPad. Then press STANDBY/ON, wait for "STAND BY" disappears on main display to turn off, then unplug the power cord. Damage may occur if the unit is transported or moved with a disc inserted, or when another device is connected to the USB terminal, or AUDIO IN mini-plug jack.

Place of installation
- Choose a stable place near the TV or stereo system being used with this unit.
- Do not place this unit on top of a TV or color monitor. Also install it away from cassette decks and other devices easily affected by magnetic forces.

Avoid the following locations:
- Places exposed to direct sunlight
- Humid or poorly ventilated places
- Extremely hot places
- Places exposed to vibrations
- Places in which there is much dust or cigarette smoke
- Places exposed to soot, steam or heat (kitchens, etc.)

Do not place objects on this unit
Do not place any objects on top of this unit.

Do not obstruct the ventilation holes.
Do not use this unit on shaggy rugs, beds, sofas, etc., or wrapped in cloth, etc. Doing so will prevent the heat from dispersing, leading to damage.

Do not expose to heat.
Do not place this unit on top of an amplifier or other component that generates heat. When rack mounting it, to avoid the heat given off by the amplifier or other audio component, place it on a shelf below the amplifier.
- Turn off the unit’s power when not using it.
- Depending on signal conditions, striped patterns may appear on a TV screen and noise may enter the sound of radio broadcasts when the unit’s power is on. If this happens, turn the unit’s power off.

About condensation
If this unit is moved suddenly from a cold place into a warm room (in winter, for example) or if the temperature in the room in which this unit is installed rises suddenly due to heater operation, etc., water droplets (condensation) may form inside (on operating parts and the lens). When condensation is present, this unit will not operate properly and playback is not possible. Let this unit stand at room temperature for 1 or 2 hours with the power turned on (the time depends on the extent of condensation). The water droplets will dissipate and playback will become possible. Condensation can also occur in the summer if this unit is directly exposed to the air flow from an air-conditioner. If this happens, move this unit to a different place.

Cleaning the product
- Unplug the power cord from the power outlet when cleaning this unit.
- Clean this unit using a soft cloth. For tough dirt, apply some neutral detergent diluted in 5 to 6 parts water to a soft cloth, wipe off the dirt, then wipe again with a soft, dry cloth.
- Alcohol, thinner, benzene, insecticides, etc., could cause the print or paint to peel off. Also, leaving rubber or vinyl products in contact with this unit for long periods of time could mar the cabinet.
- When using chemical-impregnated wipes, etc., read the cautions included with the wipes carefully.

Cleaning the lens
- This unit’s lens should not become dirty in normal use, but if for some reason it should malfunction due to dust or dirt, consult your nearest Pioneer authorized service center. Although lens cleaners for players are commercially available, we advise against using them since some may damage the lens.
Handling discs

Storing

- Always place discs in their cases and store them vertically, avoiding hot, humid places, places exposed to direct sunlight and extremely cold places.
- Be sure to read the cautions included with the disc.

Cleaning discs

- Discs may not play if there are fingerprints or dust on them. In this case, use a cleaning cloth, etc., to gently wipe the disc from the inside towards the outside. Do not use dirty cleaning cloths.
- Do not use benzene, thinner or other volatile chemicals. Also do not use record spray or antistatic agents.
- For tough dirt, apply some water to a soft cloth, wring out thoroughly, wipe off the dirt, then wipe off the moisture with a dry cloth.
- Do not let the signal surface of discs get scratched or dirty.
- Do not attach pieces of paper or stickers to discs. Doing so could warp discs, making it impossible to play them. Also note that rental discs often have labels attached to them, and the label’s glue may have oozed out. Check that there is no glue around the edges of such labels before using rented discs.

About specially shaped discs

Specially shaped discs (heart-shaped, hexagonal, etc.) cannot be played on this unit. Do not attempt to play such discs, as they could damage this unit.

About iPod/iPhone/iPad

“Made for iPod,” and “Made for iPhone,” and “Made for iPad” mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

iPod, iPhone, iPod nano and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

Restoring all the settings to the defaults

Use the steps below to restore all the settings to their defaults.

1. Press ○ STANDBY/ON to turn the power on.
2. Press DVD/CD on the remote control or INPUT on the main unit repeatedly to select DVD/CD input.
3. Press ▲ OPEN/CLOSE to open the disc tray.
4. Press ○ STANDBY/ON while pressing ■. Use the buttons on this unit’s top panel. “DEFAULT” is displayed while the settings are being restored. Power is turned off.
Specifications

- **Amplifier section**
  RMS Power Output: 30 W + 30 W (1 kHz, 10%, T.H.D., 4 Ω)

- **Tuner section**
  Frequency Range (FM): 87.5 MHz to 108 MHz
  Frequency Range (DAB): 174.928 MHz to 239.200 MHz
  Antenna Input (DAB/FM): 75 Ω unbalanced

- **Miscellaneous**
  USB terminal: 5 V, 2.1 A
  Power source: AC 220 V to 240 V, 50 Hz/60 Hz
  Power consumption
    - Power on: 35 W
    - Power stand-by: 0.5 W or less
  Dimensions: 215 mm (W) x 95 mm (H) x 325 mm (D)
  Weight (without package): 2.0 kg

- **Speaker**
  Magnetically shielded speaker system
  Type: 2-way type speaker system
  5 cm Tweeter
  10 cm Woofer
  Maximum input power: 30 W
  Impedance: 4 Ω
  Dimensions: 130 mm (W) x 211.5 mm (H) x 240 mm (D)
  Weight: 2.0 kg/each

- **Accessories**
  Remote control: 1
  Video cable (1.5 m): 1
  DAB/FM wire antenna: 1
  AAA batteries (R03): 2
  Speaker cord: 2
  iPad stand: 1
  Power cord
  Warranty card
  Operating instructions (This document)

**Note**
- The specifications are applicable when the power supply is 230 V.
- Specifications and the design are subject to possible modifications without notice, due to improvements.

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Additional information