

Pioneer

HTZ-HW919BD | Blu-ray Disc surround system | 藍光家庭影院組合

XV-BD919FS | Blu-ray Disc receiver | 藍光接收器

S-BD919HW | Speaker System | 揚聲器系統

S-BD808SW | Speaker System (only subwoofer) | 揚聲器系統

Operating instructions
操作手冊

ENGLISH

繁體中文

Safety Information



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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



This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

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

CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1

CAUTION: This product is a class 1 laser product classified under the Safety of laser products, IEC60825-1:2007. To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Shall the unit require maintenance, contact an authorized service center.

Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open. DO NOT STARE INTO BEAM.

CAUTION concerning the Power Cord

Most appliances recommend they be placed upon a dedicated circuit;

That is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized service center. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance. To disconnect power from the mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.

This device is equipped with a portable battery or accumulator.

Safety way to remove the battery or the battery from the equipment: Remove the old battery or battery pack, follow the steps in reverse order than the assembly. To prevent contamination of the environment and bring on possible threat to human and animal health, the old battery or the battery put it in the appropriate container at designated collection points. Do not dispose of batteries or battery together with other waste. It is recommended that you use local, free reimbursement systems batteries and accumulators. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION:


- Do not use or store batteries in direct sunlight or other excessively hot place, such as inside a car or near a heater. This can cause batteries to leak, overheat, explode or catch fire. It can also reduce the life or performance of batteries.
- When disposing of used batteries, please comply with governmental regulations or environmental public instruction's rules that apply in your country or area.

CAUTION: The apparatus shall not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, shall be placed on the apparatus.

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

WARNING: Before plugging in for the first time, read the following section carefully.

The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit will be used meets the required voltage (e.g., 230 V or 120 V) written on the rear panel.

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 cord 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 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.

Notice for Indonesian users

This product contains a certified wireless module, type MB0502C0.

15250/POSTEL/2010 2879

Notes on Copyrights

- Because AACCS (Advanced Access Content System) is approved as content protection system for Blu-ray Disc format, similar to use of CSS (Content Scramble System) for DVD format, certain restrictions are imposed on playback, analog signal output, etc., of AACCS protected contents. The operation of this product and restrictions on this product may vary depending on your time of purchase as those restrictions may be adopted and/or changed by AACCS after the production of this product.
- Furthermore, BD-ROM Mark and BD+ are additionally used as content protection systems for Blu-ray Disc format, which imposes certain restrictions including playback restrictions for BD-ROM Mark and/or BD+ protected contents. To obtain additional information on AACCS, BD-ROM Mark, BD+, or this product, please contact an authorized Customer Service Center.
- Many BD-ROM/DVD discs are encoded with copy protection. Because of this, you should only connect your player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected discs.
- This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.
- Under the U.S. Copyright laws and Copyright laws of other countries, unauthorized recording, use, display, distribution, or revision of television programs, videotapes, BD-ROM discs, DVDs, CDs and other materials may subject you to civil and/or criminal liability.

Important Notice for TV colour system

The colour system of this player differs according to currently playing discs.

For example, when the player plays the disc recorded in the NTSC colour system, the image is output as an NTSC signal.

Only the multi system colour TV can receive all signals output from the player.

- If you have a PAL colour system TV, you will see just distorted images when using discs or video contents recorded in NTSC.
- The multi system colour TV changes the colour system automatically according to input signals. In case that the colour system is not changed automatically, turn it off and then on to see normal images on screen.
- Even if the disc recorded in NTSC colour system are well displayed on your TV, these may not be recorded correctly on your recorder.

Table of Contents

1 Getting Started

- 2 Safety Information
- 8 Introduction
 - 8 – Playable Discs and symbols used in this manual
- 9 – About the "⓪" Symbol Display
- 9 – Supplied Accessories
- 9 – Accessories of speaker box (S-BD919HW)
- 9 – Accessories of speaker box (S-BD808SW)
- 10 – File compatibility
- 11 – AVCHD (Advanced Video Codec High Definition)
 - 11 – About DLNA
- 12 – Certain System Requirements
- 12 – Regional Code
- 12 – Compatibility Notes
- 13 Remote control
- 14 Front panel
- 14 Rear panel

2 Connecting

- 15 Assemble the speakers
 - 15 – Speaker Setup
 - 16 – Wall mounting the speaker
 - 17 – Additional notes on speaker
 - 17 – Positioning the system
- 18 Connecting to Your TV
 - 18 – HDMI Connection
- 20 – Component Video Connection
- 20 – Video Connection
- 21 – Resolution Setting
- 21 Antenna connection
- 22 Connections with external device
 - 22 – AUX Connection
 - 22 – PORTABLE IN connection
 - 23 – OPTICAL IN connection
 - 23 – HDMI IN 1/2 connection
 - 24 – *Bluetooth*[®] connection

- 26 Connecting to your Home Network
 - 26 – Wired network connection
- 27 – Wired Network Setup
- 29 USB device connection
 - 29 – Playback content in the USB device

3 System Setting

- 30 Settings
 - 30 – Adjust the Setup Settings
 - 30 – [DISPLAY] Menu
 - 32 – [LANGUAGE] Menu
 - 32 – [AUDIO] Menu
 - 33 – [LOCK] Menu
 - 34 – [NETWORK] Menu
 - 35 – [OTHERS] Menu
- 36 Sound Effect

4 Operating

- 37 General Playback
 - 37 – Using [HOME] menu
 - 37 – Playing a Disc
 - 37 – Playing a file on a disc/USB device
 - 38 – Playing Blu-ray 3D disc
 - 38 – Enjoying BD-Live™
 - 39 – Playing a file on a network server
 - 40 – Basic operations for video and audio content
 - 40 – Basic operations for photo content
 - 40 – Using the disc menu
 - 41 – Resume playback
- 42 Advanced Playback
 - 42 – Repeat Playback
 - 42 – Repeating a specific portion
 - 42 – Enlarge the playback image
 - 43 – Marker Search
 - 43 – Using the search menu
 - 44 – Selecting a subtitle file
 - 44 – Last Scene Memory
 - 45 – Options while viewing a photo
 - 45 – Listening to music while slide show
- 46 On-Screen display
 - 46 – Displaying content information on-screen
 - 47 – Playing from selected time
 - 47 – Hearing a different audio

- 47 - Selecting a subtitle language
- 47 - Watching from a different angle
- 48 - Changing the TV Aspect Ratio
- 48 - Changing subtitle code page
- 48 - Changing the Picture Mode
- 49 Audio CD Recording
- 50 Playing the iPod
- 50 - Enjoying iPod on the screen
- 51 - Enjoying the iPod IN mode
- 52 Radio Operations
- 52 - Presetting the Radio Stations
- 52 - Deleting a saved station
- 52 - Deleting all the saved stations
- 52 - Improving poor FM reception
- 53 Using the Online

5 Troubleshooting













- 54 Troubleshooting
- 54 - General
- 55 - Network
- 56 - Picture
- 56 - Sound
- 56 - Updates

6 Appendix

- 57 Controlling a TV with the Supplied Remote Control
- 57 - Setting up the remote to control your TV
- 58 Area Code List
- 59 Language code List
- 60 Trademarks and Licenses
- 62 Video Output Resolution
- 63 Specifications
- 65 Maintenance
- 65 - Handling the Unit
- 65 - Notes on Discs
- 66 Important Information Relating to Network Services
- 66 Software License Notice

Introduction

Playable Discs and symbols used in this manual

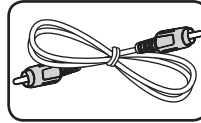
Media/Term	Logo	Symbol	Description
Blu-ray	 	BD	<ul style="list-style-type: none"> Discs such as movies that can be purchased or rented. "Blu-ray 3D" discs BD-R/RE discs that are recorded in BDAV format.
		MOVIE MUSIC PHOTO	<ul style="list-style-type: none"> BD-R/RE discs that contain Movie, Music or Photo files. ISO 9660+JOLIET, UDF and UDF Bridge format
DVD-ROM DVD-R DVD-RW DVD+R DVD+RW (8 cm / 12 cm)	  	DVD	<ul style="list-style-type: none"> Discs such as movies that can be purchased or rented. Video mode and finalized only Supports the dual layer disc also
		AVCHD	Finalized AVCHD format
	 	MOVIE MUSIC PHOTO	<ul style="list-style-type: none"> DVD±R/RW discs that contain Movie, Music or Photo files. ISO 9660+JOLIET, UDF and UDF Bridge format
DVD-RW (VR) (8 cm / 12 cm)		DVD	VR mode and finalized only
Audio CD (8 cm / 12 cm)		ACD	Audio CD
CD-R/RW (8 cm / 12 cm)		MOVIE MUSIC PHOTO	<ul style="list-style-type: none"> CD-R/RW discs that contain Movie, Music or Photo files. ISO 9660+JOLIET, UDF and UDF Bridge format
Note	–		Indicates special notes and operating features.
Caution	–		Indicates cautions for preventing possible damages from abuse.

! Note

- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD±R/RW) disc itself, some CD-R/RW (or DVD±R/RW) discs cannot be played on the unit.
- Depending on the recording software & the finalization, some recorded discs (CD-R/RW, DVD±R/RW, BD-R/RE) may not be playable.
- BD-R/RE, DVD±R/RW and CD-R/RW discs recorded using a personal computer or a DVD or CD Recorder may not play if the disc is damaged or dirty, or if there is dirt or condensation on the player's lens.
- If you record a disc using a personal computer, even if it is recorded in a compatible format, there are cases in which it may not play because of the settings of the application software used to create the disc. (Check with the software publisher for more detailed information.)
- This player requires discs and recordings to meet certain technical standards in order to achieve optimal playback quality.
- Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3 or WMA files) and these require certain pre-existing conditions to ensure compatible playback.
- Customers should note that permission is required in order to download MP3 / WMA files and music from the Internet. Our company has no right to grant such permission. Permission should always be sought from the copyright owner.
- You have to set the disc format option to [Mastered] in order to make the discs compatible with the players when formatting rewritable discs. When setting the option to Live File System, you cannot use it on the player. (Mastered/Live File System : Disc format system for Windows Vista® and Windows 7®)
- BDXL cannot be supported.

About the “⊘” Symbol Display

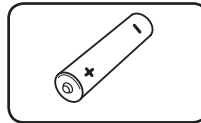
“⊘” may appear on your TV display during operation and indicates that the function explained in this owner's manual is not available on that specific media.

Supplied Accessories

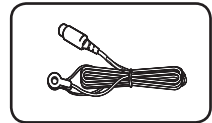
Video cable (1)



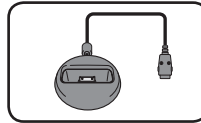
Remote control (1)



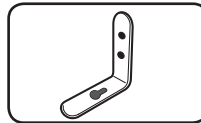
Battery (1)



FM antenna (1)



iPod cradle (1)

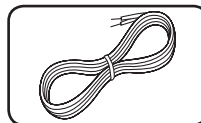
Accessories of speaker box (S-BD919HW)

Bracket (2)

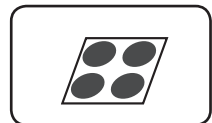


Non-skid pads (2)

- Wire stays (4)

Accessories of speaker box (S-BD808SW)

Speaker cable (1)



Large non-skid pads (1)

File compatibility

Movie files

File Location	File Extension	Codec Format	Audio Format	Subtitle
Disc, USB	“.avi”, “.divx”, “.mpg”, “.mpeg”, “.mkv”, “.mp4”, “.asf”, “.wmv”, “.m4v” (DRM free)	DIVX3.xx, DIVX4.xx, DIVX5.xx, DIVX6.xx (Standard playback only), XVID, MPEG1 SS, H.264/MPEG-4 AVC, MPEG2 PS, MPEG2 TS, VC-1 SM (WMV3)	Dolby Digital, DTS, MP3, WMA, AAC, AC3	SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), VobSub (.sub), SubViewer 1.0 (.sub), SubViewer 2.0 (.sub/.txt), TMPlayer (.txt), DVD Subtitle System (.txt)
DLNA, PC	“.avi”, “.divx”, “.mpg”, “.mpeg”, “.mkv”, “.mp4”, “.asf”, “.wmv” (DRM free)	DIVX3.xx, DIVX4.xx, DIVX5.xx, DIVX6.xx, XVID, MPEG1 SS, H.264/MPEG-4 AVC, MPEG2 PS, MPEG2 TS, VC-1 SM (WMV3)	Dolby Digital, DTS, MP3, WMA, AAC, AC3	SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), SubViewer 1.0 (.sub), SubViewer 2.0 (.sub/.txt), TMPlayer (.txt), DVD Subtitle System (.txt)

Music files

File Location	File Extension	Sampling Frequency	Bitrate	Note
Disc, USB, DLNA, PC	“.mp3”, “.wma”, “.wav”, “.m4a” (DRM free)	within 32 - 48 kHz (WMA), within 16 - 48 kHz (MP3)	within 20 - 320 kbps (WMA), within 32 - 320 kbps (MP3)	Some wav files are not supported on this player.

Photo files

File Location	File Extension	Recommended Size	Note
Disc, USB, DLNA, PC	“.jpg”, “.jpeg”, “.png”	Less than 4,000 x 3,000 x 24 bit/pixel Less than 3,000 x 3,000 x 32 bit/pixel	Progressive and lossless compression photo image files are not supported.

! Note

- The file name is limited to 180 characters.
- Maximum files/folder: Less than 2 000 (total number of files and folders)
- Depending on the size and number of the files, it may take several minutes to read the contents on the media.
- File compatibility may differ depending on the server.
- The file requirements on page 10 are not always compatible. There may have some restrictions by file features and media server's ability.
- Playing a movie subtitle files are not supported on this player.
- The files from removable media such as USB drive, DVD-drive etc. on your media server may not be shared properly.
- This unit cannot support the ID3 Tag embedded MP3 file.
- The total playback time of audio file indicated on the screen may not correct for VBR files.
- HD movie files contained on the CD or USB 1.0/1.1 may not played properly. Blu-ray Disc, DVD or USB 2.0 are recommended to play back HD movie files.
- This player supports H.264/MPEG-4 AVC profile Main, High at Level 4.1. For a file with higher level, the warning message will appear on the screen.
- This player does not support files that are recorded with GMC*¹ or Qpel*².
 - *1 GMC – Global Motion Compensation
 - *2 Qpel – Quarter pixel

AVCHD (Advanced Video Codec High Definition)

- This player can playback AVCHD format discs. These discs are normally recorded and used in camcorders.
- The AVCHD format is a high definition digital video camera format.
- The MPEG-4 AVC/H.264 format is capable of compressing images at higher efficiency than that of the conventional image compressing format.
- This player can playback AVCHD discs using "x.v.Colour" format.
- Some AVCHD format discs may not play depending on the recording condition.
- AVCHD format discs need to be finalized.
- "x.v.Colour" offers a wider colour range than normal DVD camcorder discs.

About DLNA

This Player is a DLNA Certified digital media player that can display and play movie, photo and music content from your DLNA-compatible digital media server (PC and Consumer Electronics).

The Digital Living Network Alliance (DLNA) is a cross-industry organization of consumer electronics, computing industry and mobile device companies. Digital Living provides consumers with easy sharing of digital media through your home network.

The DLNA certification logo makes it easy to find products that comply with the DLNA Interoperability Guidelines. This unit complies with DLNA Interoperability Guidelines v1.5.

When a PC running DLNA server software or other DLNA compatible device is connected to this player, some setting changes of software or other devices may be required. Please refer to the operating instructions for the software or device for more information.

Certain System Requirements

For high definition video playback:

- High definition display that has COMPONENT or HDMI input jacks.
- BD-ROM disc with high definition content.
- HDMI or HDCP capable DVI input on your display device is required for some content (as specified by disc authors).

For playing files on your PC's share folder via your home network, the PC requires below.

- Windows® XP (Service Pack 2 or higher), Windows Vista® (no Service Pack required) Windows 7® (no Service Pack required)
- 1.2 GHz Intel® Pentium® III or AMD Sempron™ 2200+ processors
- Network environment: 100 Mb Ethernet
- More than 1 folder on your PC has to be shared. Visit support link of your operating system for more information on file share settings.

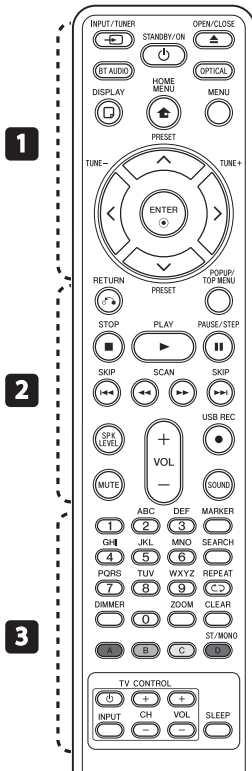
Regional Code

This unit has a regional code printed on the rear of the unit. This unit can play only BD-ROM or DVD discs labeled same as the rear of the unit or "ALL".

Compatibility Notes

- Because BD-ROM is a new format, certain disc, digital connection and other compatibility issues are possible. If you experience compatibility problems, please contact an authorized Customer Service Center.
- This unit allows you to enjoy functions such as picture-in-picture, secondary audio and Virtual packages, etc., with BD-ROM supporting BONUSVIEW (BD-ROM version 2 Profile 1 version 1.1/ Final Standard Profile). Secondary video and audio can be played from a disc compatible with the picture-in-picture function. For the playback method, refer to the instructions in the disc.
- Viewing high-definition content and up-converting standard DVD content may require a HDMI-capable input or HDCP-capable DVI input on your display device.
- Some BD-ROM and DVD discs may restrict the use of some operation commands or features.
- Dolby TrueHD, Dolby Digital Plus and DTS-HD are supported with maximum 5.1 channels if you use HDMI connection for the audio output of the unit.
- You can use a USB device to store some disc related information, including downloaded on-line content. The disc you are using will control how long this information is retained.

Remote control



Battery Installation

Remove the battery cover on the rear of the Remote Control, and insert an R03 (size AAA) battery with \oplus and \ominus matched correctly.

..... **1**

INPUT/TUNER: Changes input mode.

(STANDBY/ON): Switches the player ON or OFF.

OPEN/CLOSE: Opens and closes the disc tray.

BT AUDIO: Changes input mode to BT AUDIO directly.

OPTICAL: Changes input mode to optical directly.

DISPLAY: Displays or exits On-Screen Display.

HOME MENU: Displays or exits the [Home Menu].

MENU: Accesses the menu on a disc.

Direction buttons: Selects an option in the menu.

ENTER: Acknowledges menu selection.

TUNE (+/-): Tunes in the desired radio station.

PRESET (\wedge / \vee): Selects programme of Radio.

..... **2**

RETURN: Exits the menu or resumes playback. The resume play function may not work depending on the BD-ROM disc.

POPUP/ TOP MENU: Displays the DVD title menu or BD-ROM's pop-up menu, if available.

STOP: Stops playback.

PLAY: Starts playback.

PAUSE/STEP: Pauses playback.

SKIP: Goes to the next or previous chapter / track / file.

SCAN: Searches backward or forward.

SPK LEVEL: Sets the sound level of desired speaker.

USB REC: Records an audio CD.

MUTE: Mute the unit.

SOUND: Selects a sound effect mode.

VOL +/-: Adjusts speaker volume.

..... **3**

0-9 numerical buttons: Selects numbered options in a menu or inputs letters in the keypad menu.

MARKER: Marks any point during playback.

SEARCH: Displays or exits the search menu.

REPEAT: Repeats a desired section or sequence.

DIMMER: Dims the light on the unit.

ZOOM: Accesses the zoom menu.

CLEAR: Removes a mark on the search menu or a number when setting the password.

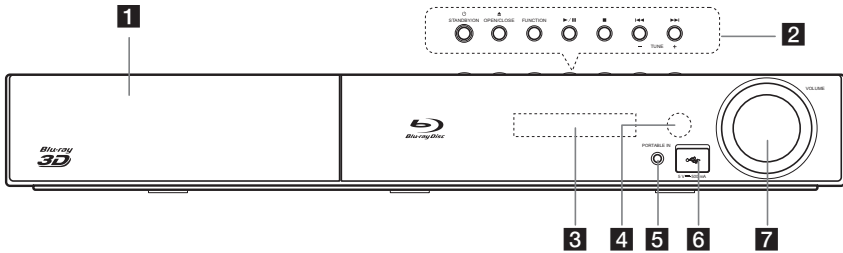
Coloured (A, B, C, D) buttons: Use to navigate on menus.

- **D button:** Selects MONO or STEREO in FM mode.

TV Control Buttons: See page 57.

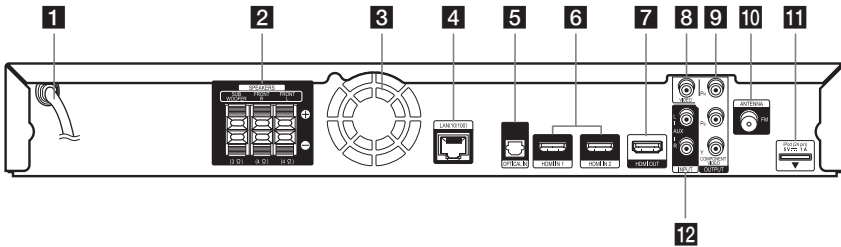
SLEEP: Sets a certain period of time after which the unit will switch to off.

Front panel



- | | |
|---|--|
| <p>1 Disc Tray</p> <p>2 Operation buttons</p> <p>⏻ (STANDBY/ON) Button
Switches the player ON or OFF.</p> <p>⏮ (OPEN/CLOSE)
FUNCTION
Changes the input source or function.</p> <p>▶/⏸ (PLAY / PAUSE)</p> <p>■ (STOP)</p> <p>⏪ / ⏩ (SKIP)</p> <p>- TUNE + (Radio tuning)</p> | <p>3 Display Window</p> <p>4 Remote Sensor</p> <p>5 PORTABLE IN</p> <p>6 USB Port</p> <p>7 Volume Control</p> |
|---|--|

Rear panel



- | | |
|--|--|
| <p>1 AC power cord</p> <p>2 Speakers connectors</p> <p>3 Cooling Fan</p> <p>4 LAN port</p> <p>5 OPTICAL IN</p> <p>6 HDMI IN 1/2</p> <p>7 HDMI OUT</p> | <p>8 VIDEO OUT</p> <p>9 COMPONENT VIDEO (Y Pb Pr) OUTPUT (PROGRESSIVE SCAN)</p> <p>10 Antenna Connector</p> <p>11 iPod (24 pin)
Connect to the furnished iPod cradle.</p> <p>12 AUX (L/R) INPUT</p> |
|--|--|

Assemble the speakers

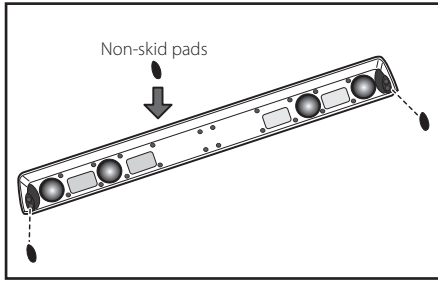
Speaker Setup

Preparing the speakers

1. Attach the non-skid pads to the base of each speaker.

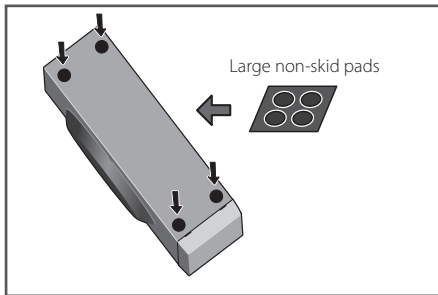
For front speaker:

Use the supplied adhesive to attach two pads to the base (bottom) of speaker.



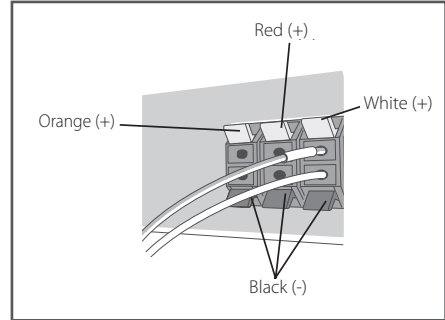
For subwoofer:

Use the supplied adhesive to attach four large non-skid pads to the base of subwoofer.



2. Connect the wires to the player.

Connect the white wire with gray line into (+) side and the other wire into (-) side. To connect the cable to the player, press each plastic finger pad to open the connection terminal. Insert the wire and release the finger pad.



⚠ Caution

- 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.
- Please connect the speaker cable of subwoofer (purple) to orange of the player.
- 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.

Wall mounting the speaker

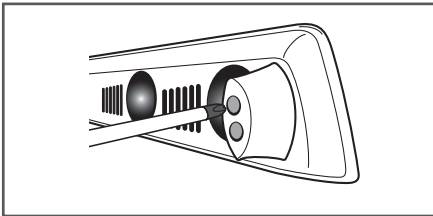
Before mounting

- Remember that the speaker system is heavy and that its weight could cause the screws to work loose, or the wall material to fail to support it, resulting in the speaker falling. Make sure that the wall you intend to mount the speaker on is strong enough to support them. Do not mount on plywood or soft surface walls.
- Mounting screws are not supplied. Use screws suitable for the wall material and support the weight of the speaker.

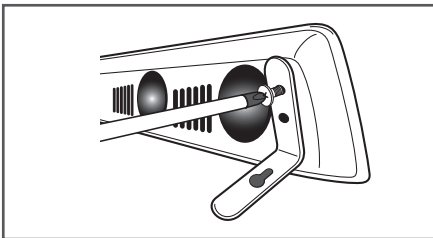
Caution

- If you are unsure of the qualities and strength of the wall, consult a professional for advice.
- Pioneer is not responsible for any accidents or damage that result from improper installation.

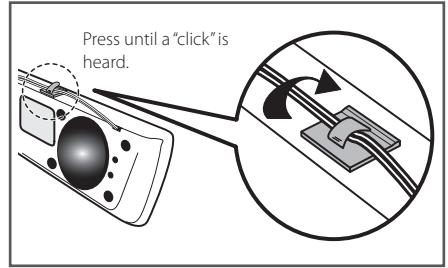
- Use a Phillips screwdriver to remove the two screws holding the stands to the speaker.



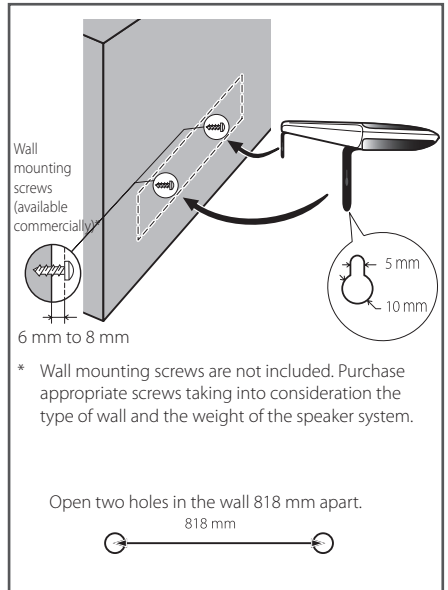
- Using the two screws removed in step 1, fasten the wall mounting fixtures to the speaker.



- Affix the supplied wire stays to the top of the unit as shown and collect the cable there.



- Mount on wall.



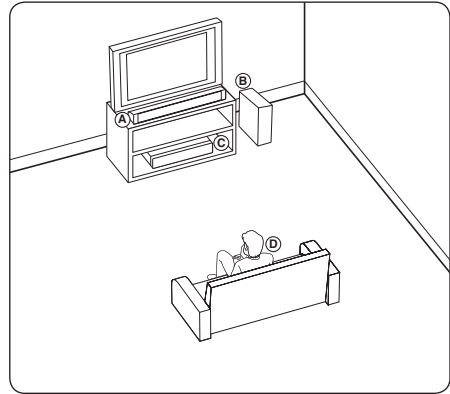
Additional notes on speaker

Install the front speaker below the TV, in the center position.

Precautions:

- Make sure that all the bare speaker wire is twisted together and inserted fully into the speaker terminal. If any of the bare speaker wire touches the back panel it may cause the power to cut off as a safety measure.
- The front speaker and subwoofer are not magnetically shielded and so should not be placed near a TV or monitor. Magnetic storage media (such as floppy discs and tape or video cassettes) should also not be kept close to the front speaker and subwoofer.
- Do not attach the subwoofer to a wall or ceiling. They may fall off and cause injury.

Positioning the system



Ⓐ Front speaker:

Ⓑ Subwoofer:

The position of the subwoofer is not so critical, because low bass sounds are not highly directional. But it is better to place the subwoofer near the front speaker. Turn it slightly toward the center of the room to reduce the wall reflections.

Ⓒ Unit

Ⓓ Listening position



Caution

- Be careful to make sure children do not put their hands or any objects into the *subwoofer duct.
*subwoofer duct: A hole for plentiful bass sound on subwoofer cabinet (enclosure).
- The speakers contain magnet parts, so colour irregularity may occur on the TV screen or PC monitor screen. Please use the speakers away from the TV screen or PC monitor screen.

Connecting to Your TV

Make one of the following connections, depending on the capabilities of your existing equipment.

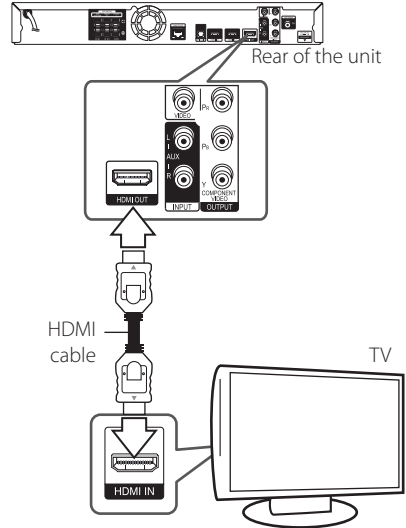
- HDMI connection (page 18)
- Component Video connection (page 20)
- Video connection (page 20)

Note

- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the player. Use only one of the connections described in this manual.
- Please refer to the manuals of your TV, stereo system or other devices as necessary to make the best connections.
- Make sure the player is connected directly to the TV. Tune the TV to the correct video input channel.
- Do not connect your player via your VCR. The image could be distorted by the copy protection system.

HDMI Connection

If you have a HDMI TV or monitor, you can connect it to this player using a HDMI cable (Type A, High Speed HDMI™ Cable with Ethernet). Connect the HDMI jack on the player to the HDMI jack on a HDMI compatible TV or monitor.



Set the TV's source to HDMI (refer to TV's Owner's manual).

Additional Information for HDMI

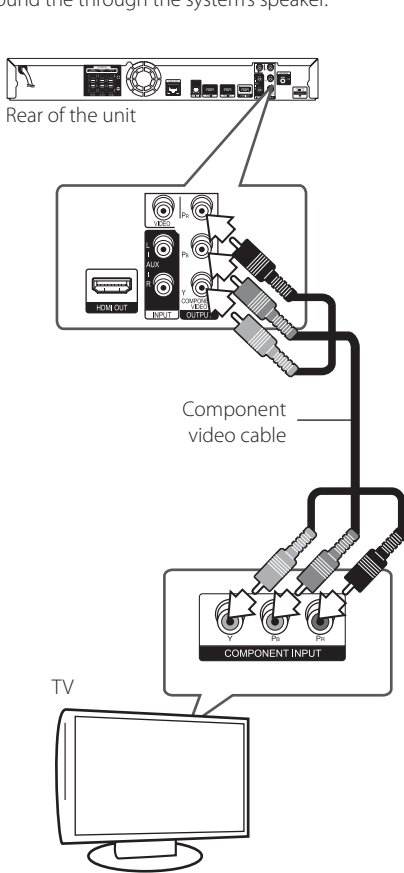
- When you connect a HDMI or DVI compatible device make sure of the following:
 - Try switching off the HDMI/DVI device and this player. Next, switch on the HDMI/DVI device and leave it for around 30 seconds, then switch on this player.
 - The connected device's video input is set correctly for this unit.
 - The connected device is compatible with 720x576p, 1280x720p, 1920x1080i or 1920x1080p video input.
- Not all HDCP-compatible HDMI or DVI devices will work with this player.
 - The picture will not be displayed properly with non-HDCP device.

Note

- If a connected HDMI device does not accept the audio output of the player, the HDMI device's audio sound may be distorted or may not output.
- When you use HDMI connection, you can change the resolution for the HDMI output. (Refer to "Resolution Setting" on page 21.)
- Select the type of video output from the HDMI OUT jack using [HDMI Color Setting] option on the [Setup] menu (see page 31).
- Changing the resolution when the connection has already been established may result in malfunctions. To solve the problem, turn off the player and then turn it on again.
- When the HDMI connection with HDCP is not verified, TV screen is changed to black screen. In this case, check the HDMI connection, or disconnect the HDMI cable.
- If there are noises or lines on the screen, please check the HDMI cable (length is generally limited to 4.5 m(15 ft.)).

Component Video Connection

Connect the COMPONENT VIDEO OUT jacks on the player to the corresponding input jacks on the TV using component video cable. You can hear the sound through the system's speaker.

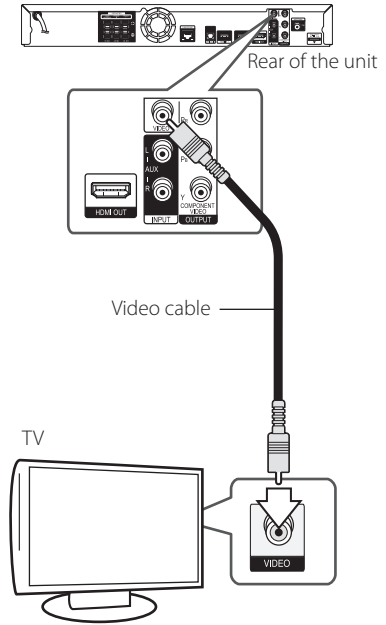


! Note

When you use COMPONENT VIDEO OUT connection, you can change the resolution for the output. (Refer to "Resolution setting" on page 21.)

Video Connection

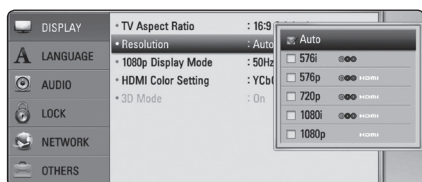
Connect the VIDEO OUT jack on the player to the video in jack on the TV using a video cable. You can hear the sound through the system's speakers.



Resolution Setting

The player provides several output resolutions for HDMI OUT and COMPONENT VIDEO OUTPUT jacks. You can change the resolution using [Setup] menu.

1. Press HOME MENU (🏠).
2. Use </> to select the [Setup] and press ENTER (⊙). The [Setup] menu appears.
3. Use ^/∨ to select [DISPLAY] option then press > to move to the second level.
4. Use ^/∨ to select the [Resolution] option then press ENTER (⊙) to move to the third level.



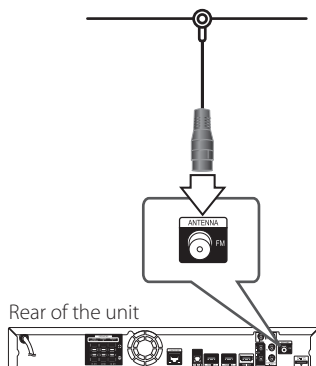
5. Use ^/∨ to select the desired resolution then press ENTER (⊙) to confirm your selection.

! Note

- If your TV does not accept the resolution you have set on the player, you can set resolution to 576p as follows:
 1. Press ▲ to open the disc tray.
 2. Press ■ (STOP) for more than 5 seconds.
- Since several factors affect the resolution of video output, see "Video Output Resolution" on page 62.

Antenna connection

Connect the supplied antenna for listening to the radio.



! Note

After connecting the FM wire antenna, keep it as horizontal as possible. Be sure to fully extend the FM wire antenna.

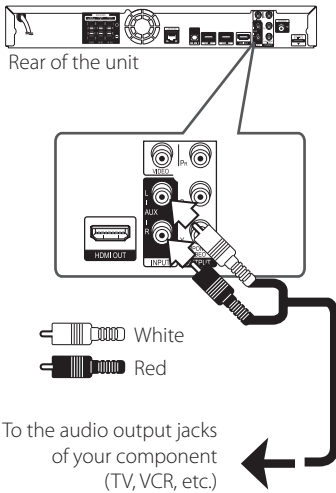
Connections with external device

AUX Connection

You can enjoy the sound from an external component through the speakers of this system.

Connect the analog audio output jacks of your component into the AUX L/R (INPUT) on this unit. And then select the [AUX] option by pressing INPUT/TUNER and ENTER (⊙).

You can also use the FUNCTION button on the front panel to select the input mode.

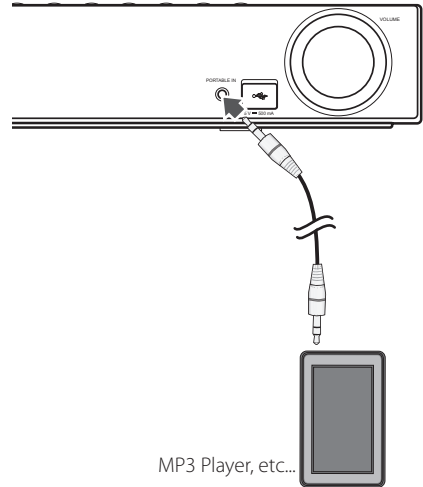


PORTABLE IN connection

You can enjoy the sound from your portable audio player through the speakers of this system.

Connect the headphones (or line out) jack of the portable audio player into the PORTABLE IN socket of this unit. And then select the [PORTABLE] option by pressing INPUT/TUNER and ENTER (⊙).

You can also use the FUNCTION button on the front panel to select the input mode.

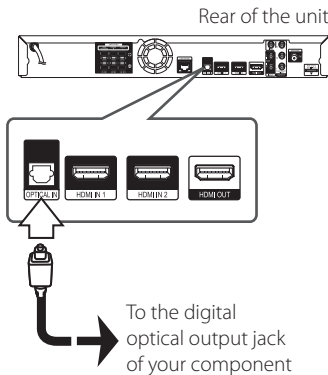


OPTICAL IN connection

You can enjoy the sound from your component with a digital optical connection through the speakers of this system.

Connect the optical output jack of your component into the OPTICAL IN jack on the unit. And then select the [OPTICAL] option by pressing INPUT/TUNER and ENTER (⊙). Or press OPTICAL to select directly.

You can also use the FUNCTION button on the front panel to select the input mode.

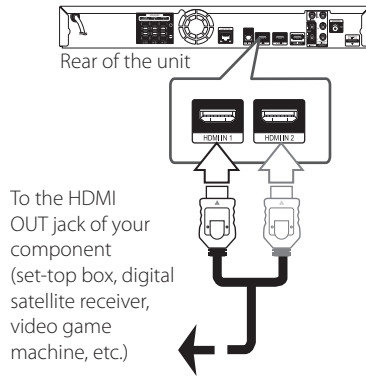


HDMI IN 1/2 connection

You can enjoy the pictures and sound from your component through this connection.

Connect the HDMI OUT jack of your component into the HDMI IN 1 or 2 jack on this unit. And then select the [HDMI IN 1/2] option by pressing INPUT/TUNER and ENTER (⊙).

You can also use the FUNCTION button on the front panel to select the input mode.



! Note

- You cannot change the video resolution in the HDMI IN 1/2 mode. Change the video resolution of the connected component.
- If the video output signal is abnormal when your personal computer is connected to HDMI IN 1/2 jack, change the resolution of your personal computer to 576p, 720p, 1080i or 1080p.
- The video signal from the HDMI input cannot be output from the component or composite video outputs.
- The player sends audio from the HDMI inputs to both the HDMI output and to the unit's speakers.

Bluetooth® connection

About Bluetooth

Bluetooth® is wireless communication technology for short range connection.

The available range is within 10 meters. (The sound may be interrupted when the connection interfered by the other electronic wave or you connect the Bluetooth in the other rooms.)

Connecting individual devices under Bluetooth wireless technology does not incur any charges. A mobile phone with Bluetooth wireless technology can be operated via the Cascade if the connection was made via Bluetooth wireless technology.

Available Devices : Mobile phone, MP3, Laptop, PDA (This units be supported the Stereo Headset.)

Bluetooth Profiles

In order to use Bluetooth wireless technology, devices must be able to interpret certain profiles. This unit is compatible with following profile.

A2DP (Advanced Audio Distribution Profile)

Listening to music of a Bluetooth device

Pairing your unit and Bluetooth device

Before you start the pairing procedure, make sure the Bluetooth feature is turned on in to your Bluetooth device. Refer to your Bluetooth device's user guide. Once a pairing operation is performed, it does not need to be performed again.

1. Select the *Bluetooth* function by using the INPUT/TUNER or BT AUDIO.
Appears "BT AUDIO" and then "BT READY" in display window.
2. Operate the *Bluetooth* device and perform the pairing operation. When searching for this unit with the *Bluetooth* device, a list of the devices found may appear in the *Bluetooth* device display depending on the type of *Bluetooth* device. Your unit appears as "PIONEER AUDIO".
3. Enter the PIN code.
PIN cord : 0000
4. When this unit successfully paired with your *Bluetooth* device, "BT SINK" appears in the display window.

! Note

Depending on the Bluetooth device type, some device have a different pairing way.

5. Listening to music.
To play a music stored on your *Bluetooth* device, refer to your *Bluetooth* device's user guide.

! Note

- If you change the function of the unit, the Bluetooth function is disconnected, operate pairing again.
- AVRCP cannot be available in this mode.

Checking the Bluetooth information of this unit

You can check the *Bluetooth* information (Local *Bluetooth* Device Address) by pressing DISPLAY.

Note

- This unit does not support the Mono Headset Profile (Hands Free Profile).
- The sound may be interrupted when the connection is interfered by other electronic waves.
- You cannot control the Bluetooth device with this unit.
- Pairing is limited to one Bluetooth device per unit and multi-pairing is not supported.
- Although the distance between your Bluetooth device and the set is less than 10 m, there are obstacles between both, your Bluetooth device cannot be connected.
- Depending on the type of the device, you may not be able to use the Bluetooth function.
- When not connected to Bluetooth, "BT READY" appears on the display window.
- The electrical malfunction due to devices using the same frequency such as medical equipment, microwaves or wireless LAN devices, the connection will be disconnected.
- When someone stands and interrupts communication between a Bluetooth device and the player, the connection will be disconnected.
- If you get away from the distance between Bluetooth and the unit, the sound quality is lower and the connection will disconnect when the space between the Bluetooth device and the unit gets out of the operating range of Bluetooth.
- The device with Bluetooth wireless technology is disconnected, if you turn off the main unit or put the device away from the main unit more than 10 m.

Connecting to your Home Network

This player can be connected to a local area network (LAN) via the LAN port on the rear panel. By connecting the unit to a broadband home network, you have access to services such as BD-LIVE interactivity and Online content services.

Wired network connection

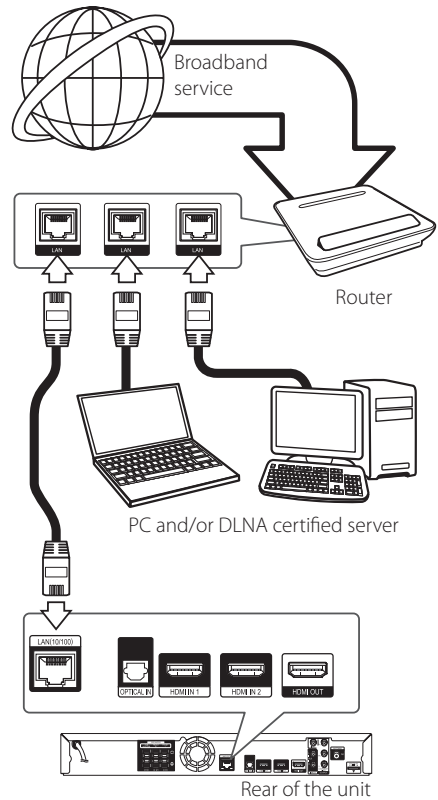
Using a wired network provides the best performance, because the attached devices connect directly to the network and are not subject to radio frequency interference.

Please refer to the documentation for your network device for further instructions.

Connect the player's LAN port to the corresponding port on your Modem or Router using a commercially available LAN or Ethernet cable.

! Note

- When plugging or unplugging the LAN cable, hold the plug portion of the cable. When unplugging, do not pull on the LAN cable but unplug while pressing down on the lock.
- Do not connect a modular phone cable to the LAN port.
- Since there are various connection configurations, please follow the specifications of your telecommunication carrier or internet service provider.
- If you want to access content from PCs or DLNA servers, this player must be connected to the same local area network with them via a router.



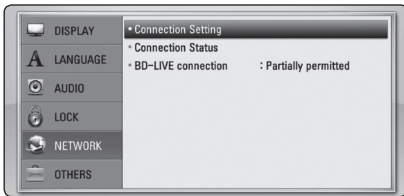
Wired Network Setup

If there is a DHCP server on the local area network (LAN) via wired connection, this player will automatically be allocated an IP address. After making the physical connection, a small number of home networks may require the player's network setting to be adjusted. Adjust the [NETWORK] setting as follow.

Preparation

Before setting the wired network, you need to connect the broadband internet to your home network.

1. Select [Connection Setting] option in the [Setup] menu then press ENTER (⊙).



2. Use $\wedge/\vee/</>$ to select the IP mode between [Dynamic] and [Static].

Normally, select [Dynamic] to allocate an IP address automatically.

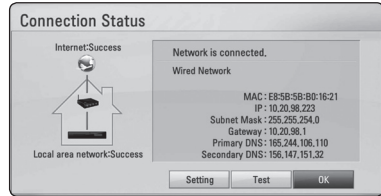


Note

If there is no DHCP server on the network and you want to set the IP address manually, select [Static] then set [IP Address], [Subnet Mask], [Gateway] and [DNS Server] using $\wedge/\vee/</>$ and numerical buttons. If you make a mistake while entering a number, press CLEAR to clear the highlighted part.

3. Select [OK] and press ENTER (⊙) to apply network settings.
4. The player will ask you to test the network connection. Select [OK] and press ENTER (⊙) to complete the network connection.

5. If you select [Test] and press ENTER (⊙) at step 4 above, the network connection status is displayed on the screen. You can also test it on the [Connection Status] in the [Setup] menu.



Notes on Network Connection:

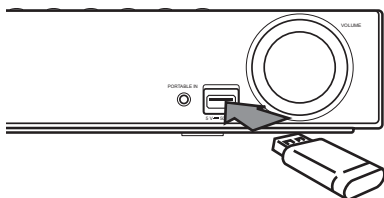
- Many network connection problems during set up can often be fixed by re-setting the router or modem. After connecting the player to the home network, quickly power off and/or disconnect the power cable of the home network router or cable modem. Then power on and/or connect the power cable again.
- Depending on the internet service provider (ISP), the number of devices that can receive internet service may be limited by the applicable terms of service. For details, contact your ISP.
- Our company is not responsible for any malfunction of the player and/or the internet connection feature due to communication errors/malfunctions associated with your broadband internet connection, or other connected equipment.
- The features of BD-ROM discs made available through the Internet Connection feature are not created or provided by our company, and our company is not responsible for their functionality or continued availability. Some disc related material available by the Internet Connection may not be compatible with this player. If you have questions about such content, please contact the producer of the disc.
- Some internet contents may require a higher bandwidth connection.
- Even if the player is properly connected and configured, some internet contents may not operate properly because of internet congestion, the quality or bandwidth of your internet service, or problems at the provider of the content.
- Some internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- Any fees charged by an ISP including, without limitation, connection charges are your responsibility.
- A 10 Base-T or 100 Base-TX LAN port is required for wired connection to this player. If your internet service does not allow for such a connection, you will not be able to connect the player.
- You must use a Router to use xDSL service.
- A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the internet connection feature contained in this player or you may be limited to the number of devices you can connect at the same time. (If your ISP limits subscription to one device, this player may not be allowed to connect when a PC is already connected.)
- The use of a "Router" may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.
- Turn off all unused network equipment in your local home network. Some devices may generate network traffic.

USB device connection

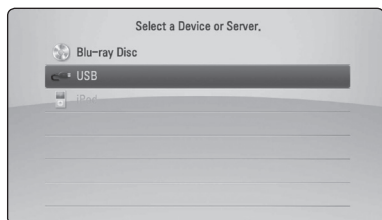
This player can play movie, music and photo files contained in the USB device.

Playback content in the USB device

1. Insert a USB device to the USB port until it fits into place.



2. Press HOME MENU (🏠).
3. Select [Movie], [Photo] or [Music] using </>, and press ENTER (⊙).
4. Select the [USB] option using ▲/▼, and press ENTER (⊙).



5. Select a file using ▲/▼/</>, and press PLAY or ENTER (⊙) to play the file.
6. Withdraw the USB device carefully.

! Note

- This player supports USB flash drive/ external HDD formatted in FAT16, FAT32 and NTFS when accessing files (music, photo, movie). However, for BD-LIVE and Audio CD recording, only FAT16 and FAT32 formats are supported. Use the USB flash drive/ external HDD formatted in either FAT16 or FAT32 when using BD-LIVE and Audio CD recording.
- The USB device can be used for the local storage for enjoying BD-LIVE discs with Internet.
- This unit can support up to 8 partitions of the USB device.
- Do not extract the USB device during operation (play, etc.).
- A USB device which requires additional program installation when you have connected it to a computer, is not supported.
- USB device: USB device that supports USB1.1 and USB2.0.
- Movie, music and photo files can be played. For details of operations on each file, refer to relevant pages.
- Regular back up is recommended to prevent data loss.
- If you use a USB extension cable, USB HUB or USB Multi-reader, the USB device may not be recognized.
- Some USB device may not work with this unit.
- Digital camera and mobile phone are not supported.
- USB Port of the unit cannot be connected to PC. The unit cannot be used as a storage device.

Settings

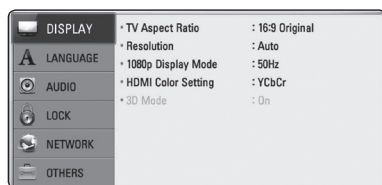
Adjust the Setup Settings

You can change the settings of the player in the [Setup] menu.

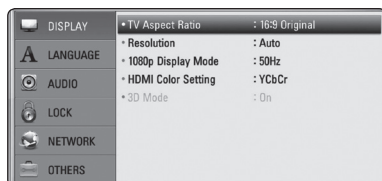
1. Press HOME MENU (🏠).



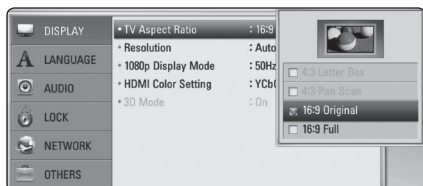
2. Use </> to select the [Setup] and press ENTER (⊙). The [Setup] menu appears.



3. Use ^/v to select the first setup option, and press > to move to the second level.



4. Use ^/v to select a second setup option, and press ENTER (⊙) to move to the third level.



5. Use ^/v to select a desired setting, and press ENTER (⊙) to confirm your selection.

[DISPLAY] Menu

TV Aspect Ratio

Select a TV aspect ratio option according to your TV type.

[4:3 Letter Box]

Select when a standard 4:3 TV is connected. Displays theatrical images with masking bars above and below the picture.

[4:3 Pan Scan]

Select when a standard 4:3 TV is connected. Displays pictures cropped to fill your TV screen. Both sides of the picture are cut off.

[16:9 Original]

Select when a 16:9 wide TV is connected. The 4:3 picture is displayed with an original 4:3 aspect ratio, with black bars appearing at the left and right sides.

[16:9 Full]

Select when a 16:9 wide TV is connected. The 4:3 picture is adjusted horizontally (in a linear proportion) to fill the entire screen.

! Note

You cannot select [4:3 Letter Box] and [4:3 Pan Scan] option when the resolution is set to higher than 720p.

Resolution

Sets the output resolution of the Component and HDMI video signal. Refer to page 21 and 62 for details about the resolution setting.

[Auto]

If the HDMI OUT jack is connected to TVs providing display information (EDID), automatically selects the resolution best suited to the connected TV.

[1080p]

Outputs 1080 lines of progressive video.

[1080i]

Outputs 1080 lines of interlaced video.

[720p]

Outputs 720 lines of progressive video.

[576p]

Outputs 576 lines of progressive video.

[576i]

Outputs 576 lines of interlaced video.

1080p Display Mode

When the resolution is set to 1080p, select [24 Hz] for smooth presentation of film material (1080p/24 Hz) with a HDMI-equipped display compatible with 1080p/24 Hz input.

! Note

- When you select [24 Hz], you may experience some picture disturbance when the video switches video and film material. In this case, select [50 Hz].
- Even when [1080p Display Mode] is set to [24 Hz], if your TV is not compatible with 1080p/24 Hz, the actual frame frequency of the video output will be 50 Hz to match the video source format.
- Since several factors affect the resolution of video output, see "Video Output Resolution" on page 62.

HDMI Color Setting

Select the type of output from the HDMI OUT jack. For this setting, please refer to the manuals of your display device.

[YCbCr]

Select when connecting to a HDMI display device.

[RGB]

Select when connecting to a DVI display device.

3D Mode

Select the type of output mode for Blu-ray 3D disc playback.

[Off]

Blu-ray 3D disc playback will output as 2D mode like a normal BD-ROM disc playback.

[On]

Blu-ray 3D disc playback will output as 3D mode.

[LANGUAGE] Menu

Display Menu

Select a language for the [Setup] menu and on-screen display.

Disc Menu/Disc Audio/ Disc Subtitle

Select the language you prefer for the audio track (disc audio), subtitles, and the disc menu.

[Original]

Refers to the original language in which the disc was recorded.

[Other]

Press ENTER (Ⓢ) to select another language. Use number buttons then press ENTER (Ⓢ) to enter the corresponding 4-digit number according to the language code list on page 59.

[Off] (Disc Subtitle only)

Turn off Subtitle.



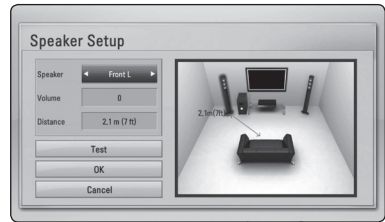
Note

Depending on the disc, your language setting may not work.

[AUDIO] Menu

Speaker Setup

To obtain the best possible sound, use the speaker setup display to specify the volume of the speakers you have connected and their distance from your listening position. Use the test to adjust the volume of the speakers to the same level.



[Speaker]

Select a speaker that you want to adjust.

[Volume]

Adjust the output level of each speaker.

[Distance]

Adjust the distance between each speaker and the listening position.

[Test/ Stop test tone]

The speakers will emit a test tone.

[OK]

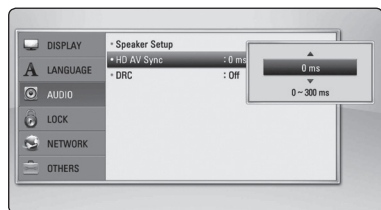
Confirms the setting.

[Cancel]

Cancels the setting.

HD AV Sync

Sometimes Digital TV encounters a delay between picture and sound. If this happens you can compensate by setting a delay on the sound so that it effectively 'waits' for the picture to arrive: this is called HD AV Sync. Use **▲/▼** to scroll up and down through the delay amount, which you can set at anything between 0 and 300 ms.



DRC (Dynamic Range Control)

This function allows you to listen to a movie at a lower volume without losing clarity of sound.

[Off]

Turns off this function.

[On]

Compress the dynamic range of the Dolby Digital, Dolby Digital Plus or Dolby TrueHD audio output.

[Auto]

The dynamic range of the Dolby TrueHD audio output is specified by itself. And the dynamic range of the Dolby Digital and Dolby Digital Plus are operated as same as the [On] mode.

! Note

The DRC setting can be changed only when a disc is not inserted or the unit is in complete stop mode.

[LOCK] Menu

The [LOCK] settings affect only Blu-ray Disc and DVD playback.

To access the any features in [LOCK] settings, you must enter the 4-digit security code you have created.

If you have not entered a password yet, you are prompted to do so. Enter a 4-digit password twice, and press ENTER (⏻) to create a new password.

Password

You can create or change the password.

[None]

Enter a 4-digit password twice, and press ENTER (⏻) to create a new password.

[Change]

Enter the current password and press ENTER (⏻). Enter a 4-digit password twice, and press ENTER (⏻) to create a new password.

If you forget your password

If you forget your password, you can clear it using the following steps:

1. Remove any disc that might be in the player.
2. Select [Password] option in the [Setup] menu.
3. Use Number buttons to enter "210499". The password is cleared.

! Note

If you make a mistake before pressing ENTER (⏻), press CLEAR. Then input the correct password.

DVD Rating

Blocks playback of rated DVD based on their content. (Not all discs are rated.)

[Rating 1-8]

Rating one (1) has the most restrictions and rating eight (8) is the least restrictive.

[Unlock]

If you select [Unlock], parental control is not active and the disc plays in full.

Blu-ray Disc Rating

Set an age limit of BD-ROM play. Use number buttons to input an age limit for BD-ROM viewing.

[255]

All BD-ROM can be played.

[0-254]

Prohibits play of BD-ROM with corresponding ratings recorded on them.



Note

The [Blu-ray Disc Rating] will be applied only for the Blu-ray disc that containing the Advanced Rating Control.

Area Code

Enter the code of the area whose standards were used to rate the DVD video disc, based on the list on page 58.

[NETWORK] Menu

The [NETWORK] settings are needed to use the BD-Live and Online content services.

Connection Setting

If your home network environment is ready to connect the player, the player needs to be set the wired network connection for network communication. (See "Connecting to your Home Network" on pages 26-28.)

Connection Status

If you want to check the network status on this player, select the [Connection Status] options and press ENTER (⊙) to check whether a connection to the network and the internet have been established.

BD-LIVE connection

You can restrict Internet access when BD-LIVE functions are used.

[Permitted]

Internet access is permitted for all BD-LIVE contents.

[Partially permitted]

Internet access is permitted only for BD-LIVE contents which have content owner certificates. Internet access and AACS Online functions are prohibited for all BD-LIVE contents without a certificate.

[Prohibited]

Internet access is prohibited for all BD-LIVE contents.

[OTHERS] Menu

DivX® VOD

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, Inc. 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 video.

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.

[Register]

Displays the registration code of your player.

[Deregister]

Deactivate your player and display the deactivation code.

! Note

All the downloaded videos from DivX VOD with this player's registration code can only be played back on this unit.

Auto Power Off

The screen saver appears when you leave the player in Stop mode for about five minutes. If you set this option to [On], the unit automatically turns off within 25 minutes since the Screen Saver is displayed. Set this option to [Off] to leave the screen saver until the unit is operated by the user.

Initialize

[Factory Set]

You can reset the player to its original factory settings.

[BD-LIVE Storage Clear]

Initializes the BD-LIVE contents from the connected USB storage.

! Note

If you reset the player to its original factory settings using [Factory Set] option, you have to set all the activation for the Online services and network settings again.

Software Information

Displays the current software version.

Disclaimer Notice

Press ENTER (⊙) to view the notice of Network Service Disclaimer.

Sound Effect

You can select a suitable sound mode. Press SOUND repeatedly until the desired mode appears on the front panel display or the TV screen. The displayed items for the equalizer maybe different depending on sound sources and effects.

[STD]: You can enjoy comfortable and natural sound.

[Bypass]: Software with multichannel surround audio signals is played according to the way it was recorded.

[Bass Blast]: Reinforce the bass sound effect from front left and right speaker and subwoofer.

[Clear Voice]: This mode makes voice sound clear, improving the quality of voice sound.

[Game]: You can enjoy more virtual sound while playing video games.

[Night]: This may be useful when you want to watch movies at low volumes late at night.

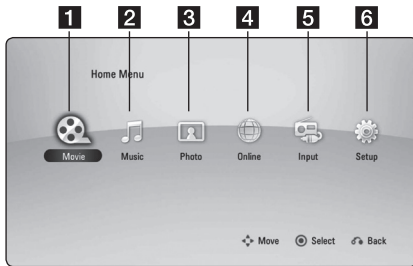
[Mus. ReTouch]: When listening to MP3 files or other compressed music, you can enhance the sound. This mode is available only to 2 channel sources. For Dolby Digital, Dolby Digital Plus and Dolby True HD, it is available to 2 channel and multichannel sources.

[Loudness]: Improves bass and treble sound.

General Playback

Using [HOME] menu

The home menu appears when you press HOME MENU (🏠). Use $\wedge/\vee/\lt;/\gt;$ to select a category and press ENTER (⊙).



1	[Movie] - Plays video contents.
2	[Music] - Plays audio contents.
3	[Photo] - Plays photo contents.
4	[Online] - Displays the Online Home screen.
5	[Input] - Changes input mode.
6	[Setup] - Adjusts the system settings.

Playing a Disc

BD DVD ACD

1. Press \blacktriangle (OPEN/CLOSE), and place a disc on the disc tray.
2. Press \blacktriangle (OPEN/CLOSE) to close the disc tray.
For the most Audio CD, BD-ROM and DVD-ROM discs, playback starts automatically.
3. Press HOME MENU (🏠).
4. Select [Movie] or [Music] using $\lt;/\gt;$, and press ENTER (⊙).
5. Select [Blu-ray Disc], [DVD], [VR] or [Audio] option using \wedge/\vee , and press ENTER (⊙).

! Note

- Playback functions described in this manual are not always available in every files and media. Some functions can be restricted depending on many factors.
- Depending on the BD-ROM titles, a USB device connection may be needed for the proper playback.
- Unfinalized DVD VR format discs may not be played in this player.
- Some DVD-VR discs are made with CPRM data by DVD RECORDER. This unit cannot support these kinds of discs.

Playing a file on a disc/USB device

MOVIE MUSIC PHOTO

This player can play movie, music and photo files contained in the disc or USB device.

1. Insert a data disc on the tray or connect a USB device.
2. Press HOME MENU (🏠).
3. Select [Movie], [Photo] or [Music] using $\lt;/\gt;$, and press ENTER (⊙).
4. Select [Data] or [USB] option using \wedge/\vee , and press ENTER (⊙).
5. Select a file using $\wedge/\vee/\lt;/\gt;$, and press \blacktriangleright (PLAY) or ENTER (⊙) to play the file.

Playing Blu-ray 3D disc

BD

This player can play the Blu-ray 3D discs which contains separate views for the left and right eyes.

Preparation

In order to playback Blu-ray 3D title in stereoscopic 3D mode, you need to:

- Check your TV is 3D capable and has HDMI (3D) input(s).
- Wear 3D glasses to enjoy the 3D experience if it is necessary.
- Check whether the BD-ROM title is the Blu-ray 3D disc or not.
- Connect an HDMI cable (High Speed HDMI™ Cable with Ethernet) between the player's HDMI output and TV's HDMI input.

1. Press HOME MENU (🏠), and set the [3D Mode] option on the [Setup] menu to [On] (page 31).
2. Press ▲ (OPEN/CLOSE), and place a disc on the disc tray.
3. Press ▲ (OPEN/CLOSE) to close the disc tray.
The playback starts automatically.
4. Refer to the owner's manual of your 3D-ready TV for the further instruction.

You may need to adjust the display settings and focus on your TV's setting for the improved 3D effect.

⚠ Caution

- Watching a 3D content for a long period time may cause dizziness or tiredness.
- It is not recommended to watch a movie in 3D mode for infirm, child (particularly under 6) and pregnant woman.
- If you are experiencing headache, tiredness or dizziness while viewing contents in 3D, it is strongly recommended to stop the playback and rest until you feel normal.

Enjoying BD-Live™

BD

BD-ROM supporting BD-Live (BD-ROM version 2 Profile 2) that has a network extension function allows you to enjoy more functions such as downloading new movie trailers by connecting this unit to the internet.

1. Check the network connection and settings (pages 26-28).
2. Insert a USB storage device to the USB port on the front panel.
A USB storage device is needed to download bonus content.
3. Press HOME MENU (🏠), and set the [BD-LIVE connection] option on the [Setup] menu (page 34).

Depending on a disc, the BD-Live function may not be operated if [BD-LIVE connection] option is set to [Partially Permitted].

4. Insert a BD-ROM with BD-Live.

The operations are differ depending on the disc. Refer to the manual supplied with the disc.

⚠ Caution

Do not extract the connected USB device while content is being downloaded or a Blu-ray disc is still in the disc tray. Doing so may damage the connected USB device and BD-Live features may not operate properly with the damaged USB device anymore. If the connected USB device seems damaged from such an action, you can format the connected USB device from the PC and reuse it with this player.

⚠ Note

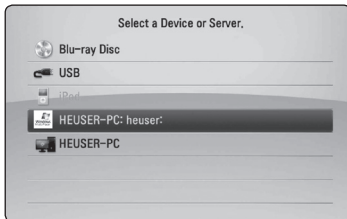
- Some BD-Live contents may be restrictively accessed in some territories by contents provider's own decision.
- It may take up to several minutes to load and start enjoying BD-Live contents.

Playing a file on a network server

MOVIE MUSIC PHOTO

This player can play movie, music and photo files located in a PC or a DLNA server through your home network.

1. Check the network connection and settings (pages 26-28).
2. Press HOME MENU (🏠).
3. Select [Movie], [Photo] or [Music] using </>, and press ENTER (⊙).
4. Select a DLNA media server or a share folder on your PC on the list using ^/v, and press ENTER (⊙).



If you want to rescan available media server, press the green (B) coloured button.

5. Select a file using ^/v/</>, and press ENTER (⊙) to play the file.

! Note

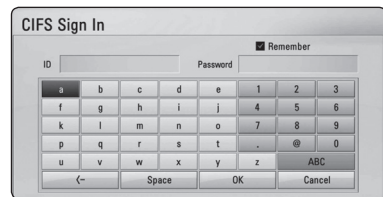
- The file requirements are described on page 10.
- The thumbnail of the unplayable files can be displayed, but those cannot be played on this player.
- The subtitle file name and movie file name have to be the same and located at the same folder.
- The playback and operating quality may be affected by your home network condition.
- You may experience connection problems depending on your server's environment.
- DTCP-IP cannot be supported.

Entering a network user ID and the password

Depending on your PC's environment, you may need to enter a network user ID and the password for accessing a shared folder.

1. The keyboard menu appears automatically if the network user ID and the password are required.
2. Use ^/v/</> to select a character then press ENTER (⊙) to confirm your selection on the virtual keyboard.

To enter a letter with an accent mark, press DISPLAY (⏏) to display the extended character set.



[Cancel] – Returns to the previous screen.

[Space] – Inserts a space at the cursor position.

[<-] – Deletes the previous character at the cursor position.

[ABC / abc / #+==&] – Change the keyboard menu settings to capital letters, small letters or symbols.

3. When you finish entering the network user ID and password, select [OK] using ^/v/</> and press ENTER (⊙) to access the folder.

The network user ID and password will be remembered after accessing the folder for your convenience. If you do not want the network user ID and password to be remembered, press red (A) coloured button to un-tick the [Remember] check box before accessing the folder.

Basic operations for video and audio content

To stop playback

Press ■ (STOP) while playback.

To pause playback

Press II (PAUSE/STEP) while playback.
Press ► (PLAY) to resume playback.

To play frame-by-frame (Video)

Press II (PAUSE/STEP) while movie playback.
Press II (PAUSE/STEP) repeatedly to play Frame-by-Frame playback.

To scan forward or backward

Press ◀◀ or ▶▶ to play fast forward or fast reverse during playback.

You can change the various playback speeds by pressing ◀◀ or ▶▶ repeatedly.

To slow down the playing speed

While the playback is paused, press ▶▶ repeatedly to play various speeds of slow motion.

To skip to the next/previous chapter/track/file

During playback, press I◀◀ or ▶▶I to go to the next chapter/track/file or to return to the beginning of the current chapter/track/file.

Press I◀◀ twice briefly to step back to the previous chapter/track/file.

In the file list menu of a server, there may have many types of contents in a folder together. In this case, press I◀◀ or ▶▶I to go to the previous or next content with same type.

Basic operations for photo content

To play a slide show

Press ► (PLAY) to start slide show.

To stop a slide show

Press ■ (STOP) while slide show.

To pause a slide show

Press II (PAUSE/STEP) while slide show.
Press ► (PLAY) to re-start the slide show.

To skip to the next/previous photo

While viewing a photo in full screen, press < or > to go to the previous or next photo.

Using the disc menu

BD DVD AVCHD

To display the disc menu

The menu screen may be displayed first after loading a disc which contains a menu. If you want to display the disc menu while playback, press MENU.

Use ^ / v / < / > buttons to navigate through menu items.

To display the Pop-up menu

Some BD-ROM discs contain Pop-up menu that appears while playback.

Press POPUP/TOP MENU while playback, and use ^ / v / < / > buttons to navigate through menu items.

Resume playback

**BD DVD AVCHD MOVIE ACD
MUSIC**

The unit records the point where you pressed the **■** (STOP) depending on the disc.

If “**||■** (Resume Stop)” appears on the screen briefly, press **▶** (PLAY) to resume playback (from the scene point).

If you press **■** (STOP) twice or unload the disc, “**■** (Complete Stop)” appears on the screen. The unit will clear the stopped point.

! Note

- The resume point may be cleared when a button is pressed (for example; **⏻** (STANDBY/ON), **▲** (OPEN/CLOSE), etc).
- On BD-ROM discs with BD-J, the resume playback function does not work.
- If you press **■** (STOP) once during BD-ROM interactive title playback, the unit will be in Complete Stop mode .

Advanced Playback

Repeat Playback

BD DVD AVCHD ACD MUSIC

During playback, press REPEAT (↺) repeatedly to select a desired repeat mode.

Blu-ray Disc/DVDs

↺ **A-** – Selected portion will be repeated continually.

↺ **Chapter** – The current chapter will be played back repeatedly.

↺ **Title** – The current title will be played back repeatedly.

To return to normal playback, press REPEAT (↺) repeatedly to select [Off].

Audio CDs/Music files

↺ **Track** – The current track or file will be played back repeatedly.

↺ **All** – All the tracks or files will be played back repeatedly.

↺ **Shuffle** – The tracks or files will be played back in random order.

↺ **Shuffle All** – All the tracks or files will be played back repeatedly in random order.

↺ **A-B** – Selected portion will be repeated continually. (Audio CD only)

To return to normal playback, press CLEAR.

! Note

- If you press ►► once during Repeat Chapter/Track playback, the repeat playback cancels.
- This function may not work on some disc or title.

Repeating a specific portion

BD DVD AVCHD ACD

This player can repeat a portion you have selected.

1. While playback, press REPEAT (↺) to select [A-] at the beginning of the portion you wish to repeat.
2. Press ENTER (⊙) at the end of the portion. Your selected portion will be repeated continually.
3. To return to normal playback, press REPEAT (↺) repeatedly to select [Off].

! Note

- You cannot select a portion less than 3 seconds.
- This function may not work on some disc or title.

Enlarge the playback image

BD DVD AVCHD MOVIE PHOTO

1. During playback or pause mode, press ZOOM to display the [Zoom] menu.
2. Use red (A) or green (B) coloured button to zoom out or in the picture. You can move through the zoomed picture using $\wedge / \vee / < / >$ buttons.
3. To return to the normal picture size, press yellow (C) coloured button.
4. Press RETURN (↵) to exit the [Zoom] menu.

Marker Search

BD DVD AVCHD MOVIE

You can start playback from up to nine memorized points.

To enter a marker

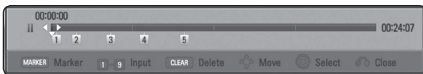
1. While playback, press MARKER at the desired point. The Marker icon appears on the TV screen briefly.
2. Repeat step 1 to add up to nine markers.

To recall a marked scene

1. Press SEARCH and the search menu appears on the screen.
2. Press a number button to select a marker number that you want to recall. Playback starts from the marked scene.

To delete a Marker

1. Press SEARCH and the search menu appears on the screen.



2. Press **V** to highlight a marker number. Use **</>** to select a marked scene that you want to delete.
3. Press **CLEAR** and the marked scene is erased from the search menu.

! Note

- This function may not work depending on discs, titles, server ability.
- All marked points are cleared if the title is in complete stop (■) mode, the title is changed or if you unload the disc.
- If the total length of the title is less than 10 seconds, this function is not available.

Using the search menu

BD DVD AVCHD MOVIE

Using search menu, you can easily to find the point where you want to start playback.

To search a point

1. During playback, press SEARCH to display the search menu.



2. Press **</>** to skip the playback 15 seconds forward or backward. You can select a point that you want to skip by pressing and holding **</>** button.

To start playback from a marked scene

1. Press SEARCH and the search menu appears on the screen.
2. Press **V** to highlight a marker number. Use **</>** to select a marked scene that you want to start playback.
3. Press **ENTER** (⊙) to start playback from the marked scene.

! Note

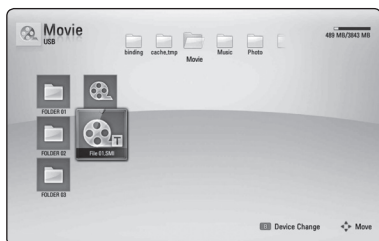
- This function may not work depending on discs, titles, server ability.
- This function may not work depending on the file type and ability of the media server.

Selecting a subtitle file

MOVIE

If the subtitle file name is different from the movie file name, you need to select the subtitle file on the [Movie] menu before playing the movie.

1. Use $\wedge/\vee/</>$ to select the subtitle file you wish to play in the [Movie] menu.
2. Press ENTER (Ⓞ).



Press ENTER (Ⓞ) again to deselect the subtitle file. Selected subtitle file will be displayed when you play the movie file.

! Note

- If you press ■ (STOP) while playback, the subtitle selection is cancelled.
- This function is not available for playing file on a server via home network.

Last Scene Memory

BD DVD

This unit memorizes the last scene from the last disc that is viewed. The last scene remains in memory even if you remove the disc from the unit or switch off the unit. If you load a disc that has the scene memorized, the scene is automatically recalled.

! Note

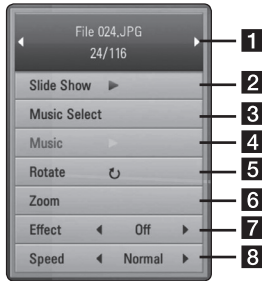
- Last Scene Memory function for a previous disc is erased once a different disc is played.
- This function may not work depending on the disc.
- On BD-ROM discs with BD-J, the last scene memory function does not work.
- This unit does not memorize settings of a disc if you switch off the unit before commencing to play it.

Options while viewing a photo

PHOTO

You can use various options during viewing a photo in full screen.

1. While viewing a photo in full screen, press DISPLAY (L) to display the option menu.
2. Select an option using \wedge / \vee .



1 Current photo/Total number of photos – Use \leftarrow / \rightarrow to view previous/next photo.

2 Slide Show – Press ENTER (O) to start or pause slide show.

3 Music Select – Select the background music for the slide show (page 45).

4 Music – Press ENTER (O) to start or pause background music.

5 Rotate – Press ENTER (O) to rotate the photo clockwise.

6 Zoom – Press ENTER (O) to display the [Zoom] menu.

7 Effect – Use \leftarrow / \rightarrow to select a transition effect between photos in a slide show.

8 Speed – Use \leftarrow / \rightarrow to select a delaying speed between photos in a slide show.

3. Press RETURN (↵) to exit the option menu.

Listening to music while slide show

PHOTO

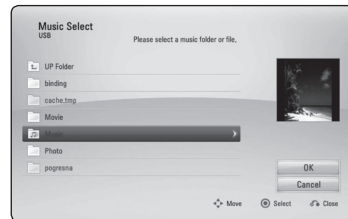
You can display photo files while listening to music files.

1. While viewing a photo in full screen, press DISPLAY (L) to display the option menu.
2. Use \wedge / \vee to select [Music Select] option, and press ENTER (O) to display the [Music Select] menu.
3. Use \wedge / \vee to select a device, and press ENTER (O).

Device that you can select are differ depending on the location of the photo file you are displaying in full screen.

Photo location	Available Device
Disc, USB	Disc, USB
Share Folder (PC)	Share Folder (PC)
DLNA server	DLNA server

4. Use \wedge / \vee to select a file or a folder you wish to play.



Select \leftarrow and press ENTER (O) to display the upper directory.

! Note

When selecting music file from a server, folder selection is not available. Only file selection is available.

5. Use \rightarrow to select [OK], and press ENTER (O) to complete music selection.

On-Screen display

You can display and adjust various information and settings about the content.


Displaying content information on-screen

BD DVD AVCHD MOVIE

1. While playback, press DISPLAY () to show various playback information.



- 1 Title** – current title number/total number of titles
- 2 Chapter** – current chapter number/total number of chapters
- 3 Time** – elapsed playing time/total playback time
- 4 Audio** – selected audio language or channel
- 5 Subtitle** – selected subtitle.
- 6 Angle** – selected angle/total number of angles
- 7 TV Aspect Ratio** – selected TV aspect Ratio
- 8 Picture Mode** – selected picture mode

2. Select an option using \wedge / \vee .
3. Use $< / >$ to adjust the selected option value.
4. Press RETURN () to exit the On-Screen display.

! Note

- If no button is pressed for a few seconds, the on-screen display disappears.
- A title number cannot be selected on some discs.
- Available items may differ depending on discs or titles.
- If an interactive Blu-ray Disc is playing back, some setting information is displayed on the screen but prohibited to be changed.

Playing from selected time

BD DVD AVCHD MOVIE

1. Press DISPLAY (⏏) during playback. The time search box shows the elapsed playing time.
2. Select the [Time] option and then input the required start time in hours, minutes, and seconds from left to right.
For example, to find a scene at 2 hours, 10 minutes, and 20 seconds, enter "21020".
Press </> to skip the playback 60 seconds forward or backward.
3. Press ENTER (⏏) to start playback from selected time.

! Note

- This function may not work on some disc or titles.
- This function may not work depending on the file type and ability of the DLNA server.

Hearing a different audio

BD DVD AVCHD MOVIE

1. During playback, press DISPLAY (⏏) to display the On-Screen display.
2. Use \wedge / \vee to select the [Audio] option.
3. Use </> to select desired audio language, audio track or audio channel.

! Note

- Some discs allow you to change audio selections only via the disc menu. In this case, press POPUP/TOP MENU or MENU button and choose the appropriate audio from the selections on the disc menu.
- Immediately after you have switched sound, there may be a temporary discrepancy between the display and actual sound.
- On BD-ROM disc, the multi audio format (5.1CH or 7.1CH) is displayed with [MultiCH] in the on-screen display.

Selecting a subtitle language

BD DVD AVCHD MOVIE

1. During playback, press DISPLAY (⏏) to display the On-Screen display.
2. Use \wedge / \vee to select the [Subtitle] option.
3. Use </> to select desired subtitle language.
4. Press RETURN (↵) to exit the On-Screen display.

! Note

Some discs allow you to change subtitle selections only via the disc menu. If this is the case, press POPUP/TOP MENU or MENU button and choose the appropriate subtitle from the selections on the disc menu.

Watching from a different angle

BD DVD

If the disc contains scenes recorded at different camera angles, you can change to a different camera angle during playback.

1. During playback, press DISPLAY (⏏) to display the On-Screen display.
2. Use \wedge / \vee to select the [Angle] option.
3. Use </> to select desired angle.
4. Press RETURN (↵) to exit the On-Screen display.

Changing the TV Aspect Ratio

BD DVD AVCHD MOVIE

You can change the TV aspect ratio setting while playback.

1. During playback, press DISPLAY (⏏) to display the On-Screen display.
2. Use \wedge/\vee to select the [TV Aspect Ratio] option.
3. Use $\lt;/\gt$ to select desired option.
4. Press RETURN (↵) to exit the On-Screen display.

! Note

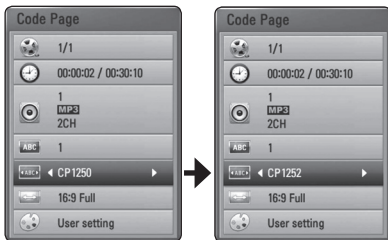
Even if you change the value of the [TV Aspect Ratio] option in On-Screen display, the [TV Aspect Ratio] option in the [Setup] menu is not changed.

Changing subtitle code page

MOVIE

If the subtitle is displayed in broken letter, you can change the subtitle code page to view the subtitle file properly.

1. During playback, press DISPLAY (⏏) to display the playback menu.
2. Use \wedge/\vee to select the [Code Page] option.
3. Use $\lt;/\gt$ to select desired code option.



4. Press RETURN (↵) to exit the On-Screen display.

Changing the Picture Mode

BD DVD AVCHD MOVIE

You can change the [Picture mode] option while playback.

1. During playback, press DISPLAY (⏏) to display the On-Screen display.
2. Use \wedge/\vee to select the [Picture Mode] option.
3. Use $\lt;/\gt$ to select desired option.
4. Press RETURN (↵) to exit the On-Screen display.

Setting the [User] option

1. During playback, press DISPLAY (⏏) to display the On-Screen display.
2. Use \wedge/\vee to select the [Picture Mode] option.
3. Use $\lt;/\gt$ to select the [User setting] option, and press ENTER (⊙).



4. Use $\wedge/\vee/\lt;/\gt$ to adjust the [Picture Mode] options.

Select [Default] option then press ENTER (⊙) to reset the all video adjustments.

5. Use $\wedge/\vee/\lt;/\gt$ to select the [Close] option, and press ENTER (⊙) to finish setting.

Audio CD Recording

You can record one desired track or all of the tracks in Audio CD to a USB storage device.

1. Insert a USB storage device to the USB port on the front panel.
2. Press ▲ (OPEN/CLOSE), and place an Audio CD on the disc tray.

Press ▲ (OPEN/CLOSE) to close the disc tray. The playback starts automatically.

3. Press DISPLAY (⏏) to display the option menu.
Or

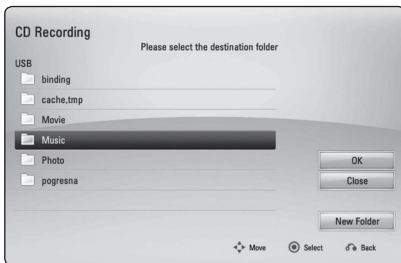
Press ● USB REC button on the remote control. You can record all musics in the audio CD.

4. Use ▲/▼ to select [CD Recording] option, and press ENTER (⊙).
5. Use ▲/▼ to select a track you wish to copy on the menu, and press ENTER (⊙).

Repeat this step to select tracks as many as you can.

Select All	Selects all the tracks on an Audio CD.
Option	Selects an encoding option from the pop-up menu (128 kbps, 192 kbps, 320 kbps or Lossless).
Close	Cancels the recording and returns to the previous screen.

6. Use ▲/▼/◀/▶ to select [Start], and press ENTER (⊙).
7. Use ▲/▼/◀/▶ to select a destination folder to be copied.



If you want to create a new folder, use ▲/▼/◀/▶ to select [New Folder] and press ENTER (⊙).

Enter a folder name using virtual keyboard, and

press ENTER (⊙) while [OK] is selected.

8. Use ▲/▼/◀/▶ to select [OK], and press ENTER (⊙) to start Audio CD recording.

If you want to stop in progressing Audio CD recording, press ENTER (⊙) while [Cancel] is highlighted.

9. A message appears when Audio CD recording is completed. Press ENTER (⊙) to check the audio file created in the destination folder.

Note

- The table below shows the average recording time from an music track with 4 minutes of playback time to a audio file with 192 kbps as an example.

stop mode	while playback
1.4 min.	2 min.

- Recording times in the table above are approximate.
- Actual recording time for USB storage device varies depending on the USB storage device's ability.
- Make sure that there is minimum of 50 MB free space is needed when recording into the USB storage device.
- The length of the audio should be longer than 20 seconds for the proper recording.
- Do not turn off this player or extract the connected USB storage device during Audio CD recording.

Caution

The making of unauthorized copies of copy-protected material, including computer programmes, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offense. This equipment should not be used for such purposes.

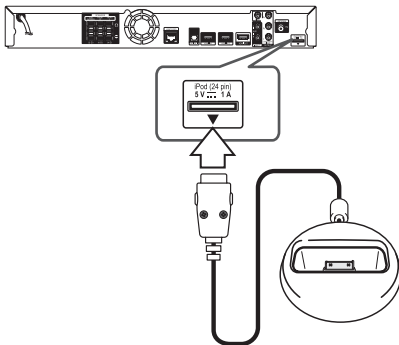
**Be responsible
Respect copyrights**

Playing the iPod

You can enjoy the sound with your iPod. For details about iPod, refer to the iPod's User Guide.

Preparation

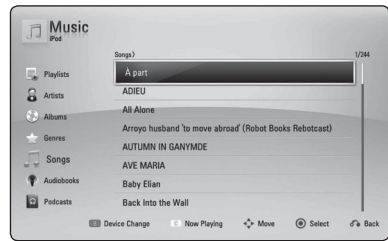
- To view iPod's Videos and Photos on the TV screen.
 - Be sure to use the video connection through the VIDEO OUT jack on the rear panel of this unit. Select the appropriate video input mode on the TV.
 - Depending on the iPod, make sure that select Videos > Video settings, and then set TV Out to Ask or On from your iPod. For details about Video Settings, refer to the iPod User Guide.
 - The viewing photos is available only if this unit is in iPod IN mode and you can view photos only as a slide show. You have to start a slide show on your iPod to view a photo on a TV. For details about a slide show, refer to the iPod User Guide.
 - Before connecting the iPod, turn this unit off and reduce the volume of this unit to its minimum.
1. Connect the cradle so that the mark ▼ is downwards. Put your iPod on it. Connect the iPod firmly. If you turn this unit on, your iPod is automatically turned on and recharging starts.



2. Select a file using $\wedge/\vee/ </>$, and press ENTER (⊙) to play the file.

Enjoying iPod on the screen

1. Connect the iPod firmly.
2. Press HOME MENU (🏠).
3. Select [Music] or [Movie] using $</>$, and press ENTER (⊙).
If you connected the other device (CD or USB), select the iPod on the menu.
4. Select a content using $\wedge/\vee/ </>$, and press ENTER (⊙) to play.



Enjoying the iPod IN mode

You can operate your iPod by using the supplied remote control and controls on your iPod.

1. Connect the cradle so that the mark ▼ is downwards. Put your iPod on it.
Connect the iPod firmly.
If you turn this unit on, your iPod is automatically turned on and recharging starts.
2. Press INPUT/TUNER to select [iPod in] mode.

▲/▼/◀/▶	Selects an option in the menu.
▶/ENTER	Starts playback the music or video.
	To pause while it is playing. To resume playing, press ▶ (PLAY) again.
◀◀/▶▶	Fast-forward or rewind a song or video
◀◀/▶▶	Skip the playback forward or backward .
REPEAT	To select a desired repeat mode: Track (🔁), All (🔁), Off (No display).

! Note

This system is compatible with the audio and video of the iPod (4th generation), iPod nano, iPod classic, iPod mini, iPod touch and iPhone (iPod shuffle is not supported.).

! Note

- An error message “CHECK IPOD” or “Connected iPod model is not supported.” appears when:
 - your iPod is not available for the function to be operated.
- If this unit displays an error message, follow the message. An error message “CHECK IPOD” or “Please check your iPod.” appears when:
 - the communication between this unit and your iPod is failed.
 - ➡ Undock & re-dock your iPod in this unit.
 - your iPod is not connected firmly.
 - this unit recognises your iPod as unknown device.
 - your iPod is exceptionally low on power.
 - ➡ The battery needs to be charged.
 - ➡ If you charge the battery while iPod is extremely low in power, it may take longer to charge.
- Compatibility with your iPod may vary depending on the type of your iPod.
- iPod touch and iPhone have any difference in operation other than iPod. You may need any additional control to use them with this unit. (e.g. “slide to unlock”)
- If you use an application, make a call, or send and receive SMS text message, etc. on iPod touch or iPhone, disconnect it from iPod dock of this unit and then use it.
- This unit has been developed and tested for the software version of iPod/iPhone indicated on the website of Pioneer.
- Installing software versions other than indicated on the website of Pioneer to your iPod/iPhone may result in incompatibility with this unit.
- The video quality depends on the video sources on your iPod.
- If you have a problem with your iPod, please visit www.apple.com/support/iPod.

Radio Operations

Be sure that the antennas are connected.
(Refer to the page 21)

Listening to the radio

1. Press INPUT/TUNER until TUNER (FM) appears in the display window. The last received station is tuned in.
2. Press and hold TUNE (-/+) for about two seconds until the frequency indication starts to change. Scanning stops when the unit tunes in a station. Or Press TUNE (-/+) repeatedly.
3. Adjust the volume by rotating VOLUME on the front panel or by pressing VOL (+/-) on the remote control.

Presetting the Radio Stations

You can preset 50 stations for FM.
Before tuning, make sure that you have turned down the volume.

1. Press INPUT/TUNER until the TUNER (FM) appears in the display window.
2. Select the desired frequency by using TUNE (-/+).
3. Press ENTER (⊙) a preset number will flash in the display window.
4. Press PRESET (Λ/V) to select the preset number you want.
5. Press ENTER (⊙). The station is stored.
6. Repeat the steps 2 to 5 to store other stations.

Deleting a saved station

1. Press PRESET (Λ/V) to select a preset number you want to delete.
2. Press CLEAR, the preset number will blink in the display window.
3. Press CLEAR again, to delete the selected preset number.

Deleting all the saved stations

Press and hold CLEAR for two seconds.
"ERASE ALL" will flash up. Press CLEAR again. Then all the saved stations are deleted.

Improving poor FM reception

Press blue (D) (ST/MONO) coloured button on the remote control. This will change the tuner from stereo to mono and usually improve the reception.

Using the Online

You can use various content services via Internet with the Online feature.

1. Check the network connection and settings (pages 26-28).
2. Press HOME MENU (🏠).
3. Select the [Online] using </>, and press ENTER (⊙).



4. Select an Online service using </>, and press ENTER (⊙).

! Note

- Detailed information of each service, contact to the content provider or visit support link of the service.
- The content of Online services and service related information, including user interface, is subject to changes. Please refer to the web site of each service for most up-to-date information.
- Please note that the related privacy policy will be applied to your privacy and legal rights of you when you provide the online services with user names, passwords, or other login information or personal information and when Pioneer stores them. Please refer to Pioneer Privacy Policy on the WEB site.

Troubleshooting

General

Symptom	Cause & Solution
The Power does not turned on.	<ul style="list-style-type: none"> • Plug the power cord into the wall outlet securely.
The unit does not start playback.	<ul style="list-style-type: none"> • Insert a playable disc. (Check the disc type, colour system, and regional code.) • Place the disc with the playback side down. • Place the disc on the disc tray correctly inside the guide. • Clean the disc. • Cancel the Rating function or change the rating level.
The angle cannot be changed.	<ul style="list-style-type: none"> • Multi-angles are not recorded on the DVD Video being played.
Cannot play movie, photo or music files.	<ul style="list-style-type: none"> • The files are not recorded in a format that the unit can play. • The unit does not support the codec of the movie file.
The remote control does not work properly.	<ul style="list-style-type: none"> • The remote control is not pointed at the remote sensor of the unit. • The remote control is too far from the unit. • There is an obstacle in the path of the remote control and the unit. • The batteries in the remote control are exhausted.
The unit is plugged in, but the power will not turn on or off.	<p>You can reset the unit as follows.</p> <ol style="list-style-type: none"> 1. Press and hold the STANDBY/ON button for at least five seconds. This will force the unit to power off then turn the unit back on. 2. Unplug the power cord, wait at least five seconds, and then plug it in again.
The unit is not operating normally.	

Network

Symptom	Cause & Solution
BD-LIVE feature does not work.	<ul style="list-style-type: none"> • The connected USB storage may not have enough space. Connect the USB storage with at least 1GB free space. • Ensure that the unit is correctly connected to the local area network and can access the internet (see page 26-28). • Your broadband speed may not fast enough to use the BD-LIVE features. Contact your Internet Service Provider (ISP) and increase the broadband speed is recommended. • The [BD-LIVE connection] option in the [Setup] menu is set to [Prohibited]. Set the option to [Permitted].
Streaming video services (such as YouTube™, etc.) are often stopped or “buffer” during playback.	<ul style="list-style-type: none"> • Your broadband service speed may not be fast enough to stream video services. Contact your Internet Service Provider (ISP) and increase the broadband speed is recommended.
Shared folder or files from your PC or a media server are not displayed on the device list.	<ul style="list-style-type: none"> • The firewall or anti-virus software on your media server is running. Turn off the firewall or anti-virus software running on your PC or media server. • The player is not connected to the local area network that your PC or the media server are connected.

Picture

Symptom	Cause & Solution
There is no picture.	<ul style="list-style-type: none"> • Select the appropriate video input mode on the TV so the picture from the unit appears on the TV screen. • Connect the video connection securely. • Check the [HDMI Color Setting] in the [Setup] menu is set to the appropriate item that conforms to your video connection. • Your TV may not support the resolution you have set on the player. Change the resolution that your TV accepts. • The player's HDMI OUT jack is connected to a DVI device that does not support copyright protection.
Picture noise appears	<ul style="list-style-type: none"> • You are playing a disc recorded in a colour system that is different from your TV. • Set the resolution which your TV accepts.
Blu-ray 3D disc playback does not output 3D views.	<ul style="list-style-type: none"> • Connect the player to your TV with HDMI cable (Type A, High Speed HDMI™ Cable with Ethernet). • Your TV may not support "HDMI 3D mandatory format". • The [3D Mode] option in the [Setup] menu is set to [Off]. Set the option to [On].

Sound

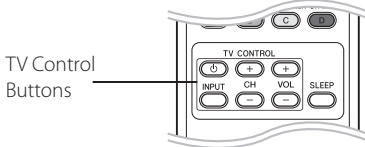
Symptom	Cause & Solution
There is no sound or the sound is distorted.	<ul style="list-style-type: none"> • The unit is in scan, slow motion, or pause mode. • The sound volume is low. • Check the speaker cable connection. (page 15)

Updates

Note that information on this product is available on the Pioneer website. Please check the website for information on updating or servicing this player.

Controlling a TV with the Supplied Remote Control

You can control your TV using the buttons below.



By pressing	You can
⏻ (TV POWER)	Turn the TV on or off.
INPUT	Switch the TV's input source between the TV and other input sources.
CH +/-	Scan up or down through memorized channels.
VOL +/-	Adjust the volume of the TV.

! Note

Depending on the unit being connected, you may not be able to control your TV using some of the buttons.

Setting up the remote to control your TV

You can operate your TV with the supplied remote control.

If your TV is listed in the table below, set the appropriate manufacturer code.

1. While holding down ⏻ (TV POWER) button, and press the manufacturer code for your TV with the numerical buttons (see the table below).

Manufacturer	Code Number
Pioneer	1 (Default)
Sony	2, 3
Panasonic	4, 5
Samsung	6, 7
LG	8, 9

2. Release the ⏻ (TV POWER) button to complete setting.

Depending on your TV, some or all buttons may not function on the TV, even after entering the correct manufacturer code. When you replace the batteries of the remote, the code number you have set may be reset to the default setting. Set the appropriate code number again.

Area Code List

Choose an area code from this list.

Area	Code	Area	Code	Area	Code	Area	Code
Afghanistan	AF	Fiji	FJ	Monaco	MC	Singapore	SG
Argentina	AR	Finland	FI	Mongolia	MN	Slovak Republic	SK
Australia	AU	France	FR	Morocco	MA	Slovenia	SI
Austria	AT	Germany	DE	Nepal	NP	South Africa	ZA
Belgium	BE	Great Britain	GB	Netherlands	NL	South Korea	KR
Bhutan	BT	Greece	GR	Antilles	AN	Spain	ES
Bolivia	BO	Greenland	GL	New Zealand	NZ	Sri Lanka	LK
Brazil	BR	Hong Kong	HK	Nigeria	NG	Sweden	SE
Cambodia	KH	Hungary	HU	Norway	NO	Switzerland	CH
Canada	CA	India	IN	Oman	OM	Taiwan	TW
Chile	CL	Indonesia	ID	Pakistan	PK	Thailand	TH
China	CN	Israel	IL	Panama	PA	Turkey	TR
Colombia	CO	Italy	IT	Paraguay	PY	Uganda	UG
Congo	CG	Jamaica	JM	Philippines	PH	Ukraine	UA
Costa Rica	CR	Japan	JP	Poland	PL	United States	US
Croatia	HR	Kenya	KE	Portugal	PT	Uruguay	UY
Czech Republic	CZ	Kuwait	KW	Romania	RO	Uzbekistan	UZ
Denmark	DK	Libya	LY	Russian		Vietnam	VN
Ecuador	EC	Luxembourg	LU	Federation	RU	Zimbabwe	ZW
Egypt	EG	Malaysia	MY	Saudi Arabia	SA		
El Salvador	SV	Maldives	MV	Senegal	SN		
Ethiopia	ET	Mexico	MX				

Language code List

Use this list to input your desired language for the following initial settings: [Disc Audio], [Disc Subtitle] and [Disc Menu].

Language	Code	Language	Code	Language	Code	Language	Code
Afar	6565	French	7082	Lithuanian	7684	Sindhi	8368
Afrikaans	6570	Frisian	7089	Macedonian	7775	Singhalese	8373
Albanian	8381	Galician	7176	Malagasy	7771	Slovak	8375
Ameharic	6577	Georgian	7565	Malay	7783	Slovenian	8376
Arabic	6582	German	6869	Malayalam	7776	Spanish	6983
Armenian	7289	Greek	6976	Maori	7773	Sudanese	8385
Assamese	6583	Greenlandic	7576	Marathi	7782	Swahili	8387
Aymara	6588	Guarani	7178	Moldavian	7779	Swedish	8386
Azerbaijani	6590	Gujarati	7185	Mongolian	7778	Tagalog	8476
Bashkir	6665	Hausa	7265	Nauru	7865	Tajik	8471
Basque	6985	Hebrew	7387	Nepali	7869	Tamil	8465
Bengali; Bangla	6678	Hindi	7273	Norwegian	7879	Telugu	8469
Bhutani	6890	Hungarian	7285	Oriya	7982	Thai	8472
Bihari	6672	Icelandic	7383	Panjabi	8065	Tonga	8479
Breton	6682	Indonesian	7378	Pashto, Pushto	8083	Turkish	8482
Bulgarian	6671	Interlingua	7365	Persian	7065	Turkmen	8475
Burmese	7789	Irish	7165	Polish	8076	Twi	8487
Byelorussian	6669	Italian	7384	Portuguese	8084	Ukrainian	8575
Chinese	9072	Japanese	7465	Quechua	8185	Urdu	8582
Croatian	7282	Kannada	7578	Rhaeto-Romance	8277	Uzbek	8590
Czech	6783	Kashmiri	7583	Rumanian	8279	Vietnamese	8673
Danish	6865	Kazakh	7575	Russian	8285	Volapük	8679
Dutch	7876	Kirghiz	7589	Samoan	8377	Welsh	6789
English	6978	Korean	7579	Sanskrit	8365	Wolof	8779
Esperanto	6979	Kurdish	7585	Scots Gaelic	7168	Xhosa	8872
Estonian	6984	Laothian	7679	Serbian	8382	Yiddish	7473
Faroese	7079	Latin	7665	Serbo-Croatian	8372	Yoruba	8979
Fiji	7074	Latvian, Lettish	7686	Shona	8378	Zulu	9085
Finnish	7073	Lingala	7678				

Trademarks and Licenses



Blu-ray Disc™, Blu-ray™, Blu-ray 3D™, BD-Live™, BONUSVIEW™ and the logos are trademarks of the Blu-ray Disc Association.



DVD is a trademark of DVD Format/Logo Licensing Corporation.



Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

HDMI

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.



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



DivX®, DivX Certified® and associated logos are trademark of DivX, Inc., and are used under license.



Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535; 7,392,195; 7,272,567; 7,333,929; 7,212,872 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks, & DTS-HD, DTS-HD Master Audio | Essential and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.



DLNA™, the DLNA Logo and DLNA CERTIFIED™ are trademarks, service marks, or certification marks of the Digital Living Network Alliance.

x.v.Colour x.v.Color

"x.v.Colour", **x.v.Colour** and **x.v.Color** are trademarks of Sony Corporation.



"AVCHD" and the "AVCHD" logo are trademarks of Panasonic Corporation and Sony Corporation.



"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, 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 or iPhone may affect wireless performance.

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



Bluetooth® wireless technology is a system which allows radio contact between electronic devices within a max. range of 10 meters. Connecting individual devices under *Bluetooth* wireless technology does not incur any charges. A mobile phone with *Bluetooth* wireless technology can be operated via the Cascade if the connection was made via *Bluetooth* wireless technology.

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



YouTube™ is a trademark of Google Inc.



Picasa™ Web Albums is a trademark of Google Inc.

This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from Microsoft Licensing, Inc.

Video Output Resolution

When the non-copy protected media is playing back

Resolution \ Video Out	HDMI OUT	COMPONENT VIDEO OUT	
		HDMI connected	HDMI disconnected
576i	576p	576i	
576p	576p	576p	
720p	720p	720p	
1080i	1080i	1080i	
1080p/24 Hz	1080p / 24 Hz	576i	1080i
1080p / 50 Hz	1080p / 50 Hz	576i	1080i

When the copy protected media is playing back

Resolution \ Video Out	HDMI OUT	COMPONENT VIDEO OUT
576i	576p	576i
576p	576p	576i or 576p
720p	720p	576i or 576p
1080i	1080i	576i or 576p
1080p/24 Hz	1080p / 24 Hz	576i or 576p
1080p / 50 Hz	1080p / 50 Hz	576i or 576p

HDMI OUT connection

- If you select a resolution manually and then connect the HDMI jack to TV and your TV does not accept it, the resolution setting is set to [Auto].
- If you select a resolution that your TV does not accept, the warning message will appear. After resolution change, if you cannot see the screen, please wait 20 seconds and the resolution will automatically revert back to the previous resolution.
- The 1080p video output frame rate may be automatically set to either 24 Hz or 50 Hz depending both on the capability and preference of the connected TV and based on the native video frame rate of the content on the BD-ROM disc.

COMPONENT VIDEO OUT Connection

Blu-ray Disc, DVD video stream could prevent up-scaling on analog output.

VIDEO OUT connection

The resolution of the VIDEO OUT jack is always outputted at 576i resolution.


Specifications

General	
Power requirements	AC 110-240 V, 50/60 Hz
Power consumption	85 W (In Standby mode: Less than 0.3 W)
Dimensions (W x H x D)	Approx. 430 x 64 x 304 mm
Net Weight (Approx.)	3.4 kg
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)
Operating humidity	5 % to 85 %

Inputs/Outputs	
VIDEO OUT	1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1
COMPONENT VIDEO OUT	(Y) 1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1 (Pb)/(Pr) 0.7 V (p-p), 75 Ω, RCA jack x 2
HDMI IN/OUT (video/audio)	19 pin (Type A, HDMI™ Connector)
ANALOG AUDIO IN	2.0 Vrms (1 kHz, 0 dB), 600 Ω, RCA jack (L, R) x 1
DIGITAL IN (OPTICAL)	3 V (p-p), Optical jack x 1
PORTABLE IN	0.5 Vrms (3.5 mm stereo jack)

Tuner	
FM Tuning Range	87.5 to 108.0 MHz

Amplifier	
Power output (RMS)	
Total	560 W
Front	180 W x 2 (1 kHz, 4 Ω, THD 10 %)
Sub-Woofer	200 W (100 Hz, 3 Ω, THD 10 %)

System	
Laser	Semiconductor laser
Wavelength	405 nm / 650 nm
Signal system	Standard PAL/NTSC colour TV system
Frequency response	20 Hz to 18 kHz (48 kHz, 96 kHz, 192 kHz sampling)
Harmonic distortion	Less than 0.05 %
Dynamic range	More than 80 dB
LAN port	Ethernet jack x 1, 10BASE-T / 100BASE-TX
Bus Power Supply (USB)	DC 5 V  500 mA

Speakers for HTZ-HW919BD			
S-BD919HW			
• Front speaker			
Type	2 Way	Net Dimensions (W x H x D)	900 x 66 x 93 mm
Impedance Rated	4 Ω	Net Weight	1.6 kg
S-BD808SW			
• Subwoofer			
Type	1 Way	Net Dimensions (W x H x D)	130.5 x 420 x 375 mm
Impedance Rated	3 Ω	Net Weight	4.4 kg

- Design and specifications are subject to change without notice.

Maintenance

Handling the Unit

When shipping the unit

Please save the original shipping carton and packing materials. If you need to ship the unit, for maximum protection, re-pack the unit as it was originally packed at the factory.

Keeping the exterior surfaces clean

- Do not use volatile liquids such as insecticide spray near the unit.
- Wiping with strong pressure may damage the surface.
- Do not leave rubber or plastic products in contact with the unit for a long period of time.

Cleaning the unit

To clean the player, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents such as alcohol, benzine, or thinner, as these might damage the surface of the unit.

Maintaining the Unit

The unit is a high-tech, precision device. If the optical pick-up lens and disc drive parts are dirty or worn, the picture quality could be diminished. For details, please contact your nearest authorized service center.

Notes on Discs

Handling Discs

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints do not get on the surface. Never stick paper or tape on the disc.

Storing Discs

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

Cleaning Discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center to out.

Do not use strong solvents such as alcohol, benzine, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

Important Information Relating to Network Services

All information, data, documents, communications, downloads, files, text, images, photographs, graphics, videos, webcasts, publications, tools, resources, software, code, programs, applets, widgets, applications, products and other content (“Content”) and all services and offerings (“Services”) provided or made available by or through any third party (each a “Service Provider”) is the sole responsibility of the Service Provider from whom it originated.

The availability of and access to Content and Services furnished by the Service Provider through the PIONEER Device are subject to change at any time, without prior notice, including, but not limited to the suspension, removal or cessation of all or any part of the Content or Services.

Should you have any inquiry or problem related to the Content or Services, you may refer to the Service Provider’s website for the most up-to-date information. PIONEER is neither responsible nor liable for customer service related to the Content and Services. Any question or request for service relating to the Content or Services should be made directly to the respective Content and Service Providers.

Please note that PIONEER is not responsible for any Content or Services provided by the Service Provider or any changes to, removal of, or cessation of such Content or Services and does not warrant or guaranty the availability of or access to such Content or Services.

Software License Notice

The licenses for the open source software used on this player can be found at the end of this document.

安全資訊



小心
有發生電擊的危險請勿開啟



小心：以降低發生電擊的危險。請勿移除上蓋（或後蓋），內無使用者自行維修的零件，請由合格維修人員進行。



正三角形內有箭頭的閃電符號，在提醒使用者產品機體內有未絕緣的高壓電，強度足以使人觸電。



正三角形內的驚嘆號在提醒使用者，要注意使用手冊內的重要操作及維護說明內容。

警告：請勿將本產品放置於雨水或濕氣中，以避免發生火災或電擊的危險。

通風注意事項：安裝裝置時，確保為通風預留空間，以改善散熱（上方、背面及每側最少 10 厘米）。

警告：機殼上的插槽及開口特別為通風而設，可確保產品正常運作以及避免產品過熱。

為免引起火警，切勿以物件阻塞開口（例如報紙、桌布、窗簾）或在厚地毯或床上操作裝置。

操作環境：操作環境溫度及濕度：+5 °C 至 +35 °C (+41 °F 至 +95 °F)；低於 85 % 相對濕度（不堵塞散熱口）

請勿在通風差劣的位置安裝本裝置，或在高濕度或陽光直接照射（或強烈的人造燈光）下安裝本裝置

CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1

小心：按雷射產品安全 IEC 60825-1:2007 分類，本產品屬 1 級雷射產品。

本產品使用雷射系統。請詳閱本使用手冊，並保留供日後參考，以確保正確使用本產品。若本機需要進行維護，請洽授權服務中心。執行非此處說明的控制、調整動作或程序，可能會暴露在有害的輻射下。請勿開啟機體，以避免直接曝露到雷射光束。開啟時會見到雷射輻射。請勿直視光束。

電源線注意事項

多數家電會建議使用專用電路。

即該家電僅用單一電路，無其他插座或分支電路。請檢視使用手冊內的規格頁加以確認。插座請勿過載。過載的插座、鬆動或破損的插座、延長線、磨損的電源線，或是破損或裂縫的電線絕緣體具有危險性。這些情況都有可能發生電擊或火災。請定期檢查家電的電線，若出現破損或變質，請取下插頭，勿繼續使用家電；請由授權服務中心使用正確的更換零件更換電線。保護電源線不受到物理或機械破壞，例如扭曲、打結、穿刺、卡住門或踐踏。特別注意插頭、插座及電線突出家電的部分。拉出插頭，即可中斷供電。安裝產品時，請確認可輕易取得插頭。

本裝置採用可攜式電池或蓄電池。

安全從設備取下電池的方法：請按照組裝的相反順序取出舊電池或電池組。為避免污環境及對人類和動物的健康造成威脅，請將舊電池置於適當的容器內，並置於指定的收集點。請勿將電池與其他廢棄物一同丟棄。建議您使用當地免費的電池與蓄電池回收退費制度。請勿將電池曝露於陽光、火源或燈光等高熱處。


小心：

- 請勿在陽光直接照射或其他過熱的地方使用儲存電池，例如車廂中或暖爐附近。否則可能導致電池洩漏、過熱、爆炸或火警。這亦會縮短電池壽命或效能。
- 當棄置已使用電池時，請遵守適用於您所在的國家或地區政府規定或公眾環境指引。

小心：本儀器不得觸碰到水（滴水或潑水），花瓶等有液體的器皿不得放置於裝置上。

警告：為免發生起火的危險，切勿在設備上擺放任何未加蓋的火源（如點燃的燭燭）。

警告：首次使用前，請先小心閱讀以下部分。
適用的電壓根據國家或地區而有所不同。
請確保地區的電壓與裝置背面板上所寫的所需電壓相符（例如 230V 或 120V）。

小心：裝置上的  **STANDBY/ON**（待機/開啟）開關不會完全關閉 AC 插座的電源。由於電源線為本裝置的主要斷路裝置，您需要從 AC 插座拔除電源線，以關閉所有電源。因此，請確保裝置已安裝，當意外發生時可以輕易把電源線拔除。為免引起火警，長時間不使用裝置時亦應從 AC 插座拔除電源線（例如外出旅遊時）。

小心：該產品為家居使用用途。在家居用途以外使用而導致的任何損壞（例如在餐廳、車廂或船上的長時間商業用途），即使在保修期內亦需要支付維修費用。本產品含有受美國專利權及其他 Rovi 公司的知識產權保護的版權保護技術。嚴禁逆向工程或分拆。

版權相關注意事項

- 由於 AACSS（先進內容接收系統）是受藍光光碟格式的內容保護系統認可，和 DVD 格式的 CSS（內容擾亂系統）的用途相似，受 AACSS 保護的內容，在錄放、模擬訊號輸出等情況有可能受到限制。在本產品生產後，AACSS 可能會採用及（或）修改相關限制，因此須視您購買的時機，本產品的操作性及限制內容可能有所不同。
- 另外，由於另加使用 BD-ROM Mark 及 BD+ 作為藍光光碟格式的內容保護系統，這實施了一定的限制，包括播放 BD-ROM Mark 及 / 或 BD+ 所保護內容的限制。請洽詢授權客服中心，瞭解更多關於 AACSS、BD-ROM 標誌、BD+ 或本產品的資訊。
- 許多 BD-ROM / DVD 光碟採用版權保護措施。因此您應直接連接播放器至電視機，而非 VCR。連接至 VCR 會造成播放版權保護光碟時，出現畫面扭曲的情況。
- 本產品含有受美國專利權及其他 Rovi 公司的知識產權保護的版權保護技術。嚴禁逆向工程或分拆。
- 在美國著作權法及其他國家的著作權法保護下，未經授權的錄製、使用、播放、發布或修改電視節目、錄影帶、BD-ROM 光碟、DVD、CD 及其他素材，將受到民刑事的制裁。

電視色彩規格的重要注意事項

本播放器的色彩規格會隨著目前所播放的光碟而變。

舉例而言，播放器播放NTSC色彩規格的光碟時，影像會以NTSC訊號輸出。

唯有具備多重色彩規格的電視機才可接收本播放器的輸出訊號。

- 若您的電視使用PAL色彩規格，觀賞以NTSC規格所錄製的光碟時僅會看見失真影像。
- 具有多重規格的彩色電視可依據輸入的訊號自動切換色彩規格。若未自動切換色彩規格，請關機後重開，然後檢視畫面中的一般影像。
- 即使您的電視機可正確播放以NTSC色彩規格所錄製的光碟，錄影機也有可能無法錄製這些光碟影像。

目錄

1 快速入門

- 2 安全資訊
- 8 簡介
 - 8 - 可播放的碟片及本手冊用到的符號
 - 9 - 關於顯示的「 \emptyset 」符號
 - 9 - 隨附的配件
 - 9 - 揚聲器音箱之配件 (S-BD919HW)
 - 9 - 揚聲器音箱之配件 (S-BD808SW)
 - 10 - 檔案需求
 - 11 - AVCHD (進階高畫質影片編碼器)
 - 11 - 關於DLNA
 - 12 - 系統需求
 - 12 - 區碼
 - 12 - 相容性注意事項
- 13 遙控器
- 14 前面板
- 14 後面板

2 連接

- 15 組裝揚聲器
 - 15 - Speaker Setup
 - 16 - 把揚聲器掛牆安裝
 - 17 - 在揚聲器擺放上之補充說明
 - 17 - 擺放系統
- 18 連接至您的電視機
 - 18 - HDMI 連線
 - 20 - 色差端子連線
 - 20 - 視訊連接
 - 21 - 解析度設定
- 21 連接天線
- 22 連接外部裝置
 - 22 - 連接 AUX
 - 22 - 連接 PORT.IN 孔
 - 23 - 連接 OPTICAL IN 孔
 - 23 - 連接 HDMI IN 1/2
 - 24 - 藍芽連線
- 26 連接至您的家用網路
 - 26 - 有線網路連線
 - 27 - 設定有線網路
- 29 連接USB裝置
 - 29 - 播放USB裝置的內容

3 系統設定

- 30 設定
 - 30 - 調整設定功能的設定值
 - 30 - [顯示]功能表
 - 32 - [語言]功能表
 - 32 - [聲音]功能表
 - 33 - [鎖定]功能表
 - 34 - [網路]功能表
 - 35 - [其它]功能表
- 36 音效

4 操作

- 37 一般播放
 - 37 - 使用 [HOME] 功能表
 - 37 - 播放光碟
 - 37 - 播放碟片/USB 裝置上的檔案
 - 38 - 欣賞BD-Live™
 - 39 - 播放網路伺服器上的檔案
 - 40 - 對音訊及視訊內容的基本操作
 - 40 - 對相片內容的基本操作
 - 40 - 使用碟片功能表
 - 41 - 繼續播放
- 42 進階播放
 - 42 - 重複播放
 - 42 - 重複指定的段落
 - 42 - 放大播放影像
 - 43 - 標示搜尋
 - 43 - 使用搜尋表
 - 44 - 選擇字幕檔
 - 44 - 記憶最後場景
 - 45 - 觀看照片時的選項
 - 45 - 投影片播放中聆聽音樂
- 46 螢幕功能設定
 - 46 - 在視控功能內容資訊
 - 47 - 從已選擇的時間開始播放
 - 47 - 收聽其他聲音
 - 47 - 選擇字幕語言
 - 47 - 從不同角度觀看
 - 48 - 變更電視機長寬比
 - 48 - 變更字幕碼頁面
 - 48 - 變更影像模式
- 49 Audio CD 錄音
- 50 播放 iPod
 - 50 - 在螢幕上播放 iPod
 - 51 - 使用iPod IN模式

- 52 操作廣播
- 52 - 收聽廣播節目
- 52 - 預設廣播電台
- 52 - 刪除已儲存的電台
- 52 - 刪除所有已儲存的電台
- 52 - 改善FM收訊不佳的情況
- 53 使用線上

5 故障排除

- 54 故障排除
- 54 - 一般
- 55 - 網路
- 56 - 畫面
- 56 - 聲音
- 56 - 更新

6 附錄

- 57 使用隨附的遙控器控制電視機
- 57 - 器控制您的電視機
- 58 區碼
- 59 語言代碼清單
- 60 商標及授權
- 62 影片輸出解析度
- 63 規格
- 65 維護
- 65 - 搬運本機
- 65 - 光碟注意事項
- 66 有關網路服務的重要資訊
- 66 軟件授權通知

1

2

3













4

5

6

簡介

可播放的碟片及本手冊用到的符號

媒體/術語	標章	符號	說明
Blu-ray		BD	<ul style="list-style-type: none"> 電影碟片可以透過購買或租借。 「Blu-ray 3D」碟片 以 BDAV 格式錄寫的 BD-R/RE。
		MOVIE MUSIC PHOTO	<ul style="list-style-type: none"> 內有音樂標題、電影、音樂或照片檔案的 BD-R/RE碟片 ISO 9660+JOLIET、UDF 及 UDF Bridge 格式
DVD-ROM DVD-R DVD-RW DVD+R DVD+RW (8公分, 12公分)	 	DVD	<ul style="list-style-type: none"> 可購買或租借的影片碟片。 僅限影像模式及完成 亦支援雙層碟片
		AVCHD	最終版 AVCHD 格式
	 	MOVIE MUSIC PHOTO	<ul style="list-style-type: none"> 載有影片、音樂或相片檔案的 DVD±R/RW 碟片。 ISO 9660+JOLIET、UDF 及 UDF Bridge 格式
DVD-RW (VR) (8公分, 12公分)		DVD	VR 模式及限最終版
音訊 CD (8公分, 12公分)		ACD	音訊 CD
CD-R/RW (8公分, 12公分)		MOVIE MUSIC PHOTO	<ul style="list-style-type: none"> 含有音訊曲目、電影、音樂或相片檔案的 CD-R/RW碟片。 ISO 9660+JOLIET、UDF 及 UDF Bridge 格式
注意	-		指示注意事項及操作說明。
小心	-		指出如何避免因不當使用而可能造成的破損。

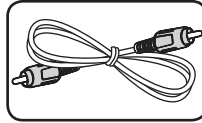
！ 注意

- 某些 CD-R/RW (或 DVD±R/RW) 碟片可能無法在本機播放，視錄寫設備的條件或 CD-R/RW (或 DVD±R/RW) 碟片本身而異。
- 某些錄好的碟片 (CD-R/RW、DVD±R/RW、BD-R/RE) 可能無法播放，視錄寫軟體及最終製作而異。
- 以個人電腦或 DVD/CD 錄寫器錄製的 BD-R/RE、DVD±R/RW 及 CD-R/RW 碟片如有損壞或髒污、或播放器鏡頭有髒污或水氣時將無法播放。
- 用個人電腦錄製的碟片，即使格式相容，仍可能因錄製軟體的設定問題而無法播放。(詳情請洽軟體供應商。)
- 本播放器所用的碟片及其錄製方式，須符合某些技術標準才能達到最佳的播放品質。
- 預錄的 DVD 會自動設定到這些標準值。可錄寫碟片格式的類型很多 (包括載有 MP3 或 WMA 檔案的 CD-R)，因此必須符合某些預設條件才能保證相容的播放。
- 自網際網路下載 MP3 / WMA 檔案及音樂前，請先獲得必要的許可。本公司無權給予此種許可。務請獲得版權所有權人的許可。
- 當您把可重寫光碟格式化時，您需要將光碟格式化選項設定為 [母帶 (Mastered)]，使光碟與播放機相容。如將選項設定為 Live 檔案系統，則無法於播放器使用該雙光碟。(母帶 (Mastered) / Live 檔案系統：Windows Vista® 及 Windows 7® 的光碟格式系統)
- 無法支援 BDXL。

關於顯示的「⊗」符號

您在操作電視機時可能會顯示「⊗」符號，代表該特定媒體上無法使用本使用手冊所述功能。

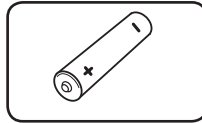
隨附的配件



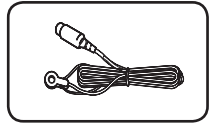
視訊線 (1)



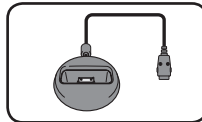
遙控器 (1)



電池 (1)

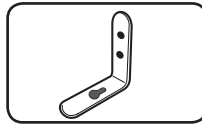


FM天線 (1)



iPod 底座 (1)

揚聲器音箱之配件 (S-BD919HW)



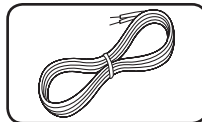
托架 (2)



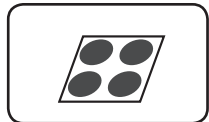
防滑墊 (2)

- 電線扣 (4)

揚聲器音箱之配件 (S-BD808SW)



喇叭纜線 (1)



大型防滑墊 (1)

檔案需求

影片檔案

檔案位置	檔案副檔名	編解碼格式	音訊格式	字幕
碟片、USB	“.avi”, “.divx”, “.mpg”, “.mpeg”, “.mkv”, “.mp4”, “.asf”, “.wmv”, “.m4v” (無 DRM)	DIVX3.xx, DIVX4.xx, DIVX5.xx, DIVX6.xx (僅標準播放), XVID, MPEG1 SS, H.264/MPEG-4 AVC, MPEG2 PS, MPEG2 TS, VC-1 SM (WMV3)	Dolby Digital, DTS, MP3, WMA, AAC, AC3	SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), VobSub (.sub), SubViewer 1.0 (.sub), SubViewer 2.0 (.sub/.txt), TMPlayer (.txt), DVD Subtitle System (.txt)
DLNA、PC	“.avi”, “.divx”, “.mpg”, “.mpeg”, “.mkv”, “.mp4”, “.asf”, “.wmv” (無 DRM)	DIVX3.xx, DIVX4.xx, DIVX5.xx, DIVX6.xx, XVID, MPEG1 SS, H.264/MPEG-4 AVC, MPEG2 PS, MPEG2 TS, VC-1 SM (WMV3)	Dolby Digital, DTS, MP3, WMA, AAC, AC3	SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), SubViewer 1.0 (.sub), SubViewer 2.0 (.sub/.txt), TMPlayer (.txt), DVD Subtitle System (.txt)

音樂檔案

檔案位置	檔案副檔名	取樣頻率	比特率	注意
碟片、USB、DLNA、PC	“.mp3”, “.wma”, “.wav”, “.m4a” (無 DRM)	32 - 48 kHz (WMA), 16 - 48 kHz (MP3)	20 - 320 kbps (WMA), 32 - 320 kbps (MP3)	本播放器不支援某些 wav 檔案。

相片檔案

檔案位置	檔案副檔名	建議的大小	注意
碟片、USB、DLNA、PC	“.jpg”, “.jpeg”, “.png”	小於 4 000 x 3 000 x 24 bit/pixel 小於 3 000 x 3 000 x 32 bit/pixel	不支援循序及無損失壓縮照片檔案。

! 注意

- 檔案名稱限制為 180 個字符。
- 最多檔案／資料夾：少於2000（檔案與資料夾總數）
- 讀取媒體內容可能耗時幾分鐘的時間，視檔案大小及數量而異。
- 檔案相容性可能因伺服器而異。
- 頁 10 的檔案需求不一定都相容。可能存在某些檔案功能及媒體伺服器性能導致的限制。
- 本播放器不支援播放電影字幕檔案。
- 媒體伺服器上的 USB 或 DVD 等行動裝置的檔案可能無法分享。
- 本播放器不支援內嵌 ID3 Tag 的 MP3 檔案。
- 螢幕上 VBR 檔案的音訊檔案總播放時間可能不正確。
- 可能無法正常播放CD或USB 1.0／1.1裡的HD電影檔案。播放 HD 電影檔案時建議使用 Blu-ray碟片、DVD 或 USB 2.0。
- 本播放器支援 Level 4.1 的 H.264／MPEG-4 AVC Main 及 High 模式。播放更高層級的檔案時，螢幕上會出現警告訊息。
- 本播放器並不支援以 GMC*¹ 或 Qpel*² 錄製的檔案。
*1 GMC - 全域動態補償功能
*2 Qpel - 四分之一像素

AVCHD（進階高畫質影片編碼器）

- 本播放器可播放 AVCHD 格式的光碟。通常在攝影機內錄製及使用這些光碟。
- AVCHD格式為高畫質數位影片相機格式。
- MPEG-4 AVC／H.264 格式能以較傳統影像壓縮格式更有效的方式壓縮影像。
- 本播放器可使用「x.v.Colour」的格式播放 AVCHD 光碟。
- 視錄製設定，部分AVCHD 格式的光碟可能無法播放。
- AVCHD格式的光碟需進行最終化處理。
- 「x.v.Colour」可較一般DVD攝影機光碟提供更寬廣的色彩範圍。

關於DLNA

本播放器為DLNA認證數位媒體播放器，可顯示及播放DLNA 相容數位媒體伺服器（電腦與消費性電子產品）內的電影、照片與音樂內容。

Digital Living Network Alliance (DLNA) 是一個橫跨消費電子、電腦、及行動裝置產業的組織。Digital Living 提供消費者藉由家庭網路輕鬆分享數位媒體的服務。

消費者可透過 DLNA 認證標誌，輕易找出符合 DLNA 互通性準則的產品。本機符合DLNA 互通性準則 v1.5。

當運行DLNA伺服器軟體或其他 DLNA 相容裝置的電腦連接至本播放器時，可能需要修改軟體或其他裝置的部分設定值。請參見軟體或裝置的操作指示，取得更多資訊。

系統需求

播放高畫質影片：

- 有色差端子或HDMI 輸入孔的高畫質顯示器。
- 有高畫質內容的BD-ROM 光碟。
- 在播放部分內容時，您的顯示裝置上需有HDMI或HDCP capable DVI輸入埠（光碟作者會指定）。

經由家庭網路播放 PC 共享資料夾內檔案時，您的 PC 需具備下列條件：

- Windows® XP (SP2)，Windows Vista®（無需任何 SP），Windows 7®（無需任何 SP）
- 1.2 GHz Intel® Pentium® III 或 AMD Sempron™ 2200+ 處理器
- 網路環境：100 Mb Ethernet
- 您的 PC 必須分享一個以上的資料夾。一個檔案分享設定的詳細說明，請參考您作業系統的支援連接。

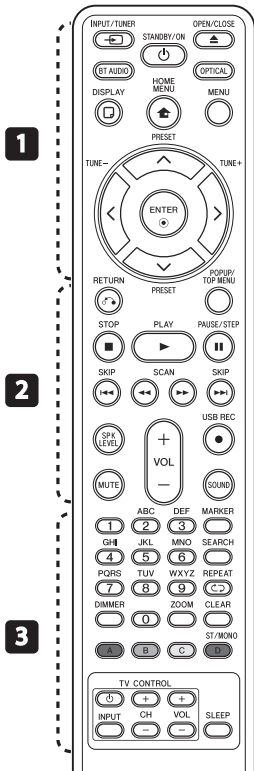
區碼

在本機後方印有區碼。本機僅能播放與本機後方所標示相同區域或「全部」的BD-ROM或DVD 光碟。

相容性注意事項

- 由於BD-ROM是新的格式，可能發生無法播放光碟、數位連線及其他相容性的問題，若您遇到相容性的問題，請洽詢授權客服中心。
- 本錄影機備有 BD-ROM，支援 BONUSVIEW（BD-ROM 版本 2 設定檔 1 版本 1.1 / 最終標準設定檔），讓您享用畫中畫、第二音頻及虛擬包裝等多種功能。第二視訊及音訊可自與子母畫面功能相容的碟片播放。請參考碟片上有關播放方式的說明。
- 檢視高清內容或上轉標準 DVD 內容前，顯示裝置上須有 HDMI 輸入或 HDCP DVI 輸入能力。
- 部分BD-ROM與DVD 光碟可能限制使用某些操作指令或功能。
- 如果您使用 Digital Audio 或 HDMI 連接產品的音訊輸出，Dolby TrueHD、Dolby Digital Plus 及 DTS-HD 支援最多 5.1 頻道。
- 您可用 USB 裝置儲存某些碟片相關的資訊，包括下載的線上內容。您所使用的碟片會控制資訊保留的期限。

遙控器



安裝電池

請取下遙控器後方的電池蓋，然後根據正確的正「+」及負「-」極，放入一顆 R03 (AAA) 電池。

• • • • **1** • • •

↺ INPUT/TUNER：變更輸入模式。

⏻ (STANDBY/ON)：開啟或關閉播放器。

⏮ OPEN/CLOSE：開關光碟托盤。

BT AUDIO：直接變更輸入模式為 BT AUDIO。

OPTICAL：變更輸入模式為直接光纖輸入。

☐ DISPLAY：顯示或離開螢幕功能設定功能表。

🏠 HOME MENU：顯示或離開 [主選單]。

MENU：開啟光碟上的功能表。

方向鈕：選擇功能表的選項。

⊙ ENTER：確認選項功能表。

TUNE (+/-)：選擇所需的廣播電台。

PRESET (Λ / V)：選擇廣播節目。

• • • • **2** • • •

↶ RETURN：離開功能表或繼續播放。部分BD-ROM 光碟無法使用繼續播放功能。

POPUP/ TOP MENU：顯示 DVD 標題功能表或 BD-ROM 的彈出視窗功能表 (若有)。

■ STOP：停止播放。

▶ PLAY：開始播放。

⏸ PAUSE/STEP：暫停播放。

⏮ / ⏭ SKIP：開啟下一個或前一個章節 / 曲目 / 檔案。

◀ / ▶ SCAN：向後或向前搜尋。

SPK LEVEL：設定特定喇叭的音量大小。

● USB REC：錄製聲音 CD。

MUTE：裝置進入靜音模式。

SOUND：選擇音效模式。

VOL +/-：調整喇叭的音量。

• • • • **3** • • •

0-9 數字鈕：在功能表選擇編號選項，或在鍵盤功能表輸入字母。

MARKER：播放時標記任何一點。

SEARCH：顯示或離開搜尋功能表。

↺ REPEAT：重複選定的段落或順序。

DIMMER：可用於調整在本設備上的亮度。

ZOOM：放大 / 縮小。

CLEAR：去除搜尋功能表的標誌，或在設定密碼時去除數字。

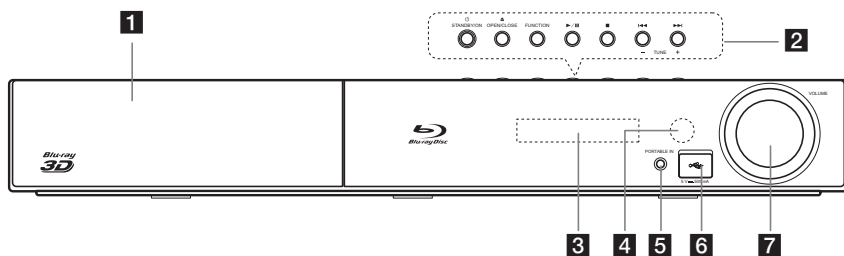
採用色彩編碼的 (A、B、C、D) 鈕：用以瀏覽選單。

-D 鈕：選擇以單音 / 立體聲播放 FM 模式。

電視機控制鈕：請參見第 57 頁。

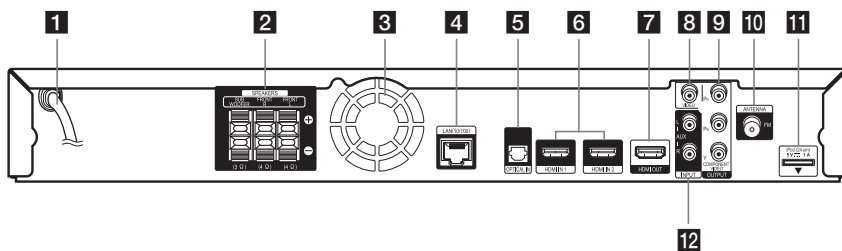
SLEEP：設定一段時間後關閉裝置。

前面板



- | | |
|---|--|
| <p>1 光碟托盤</p> <p>2 操作鈕</p> <p>⏻ (STANDBY/ON) 鈕
開啟或關閉播放器。</p> <p>⏏ (OPEN/CLOSE)
FUNCTION
變更輸入來源或功能。</p> <p>▶/⏸ (PLAY / PAUSE)</p> <p>■ (STOP)</p> <p>⏮ / ⏭ (SKIP)</p> <p>- TUNE + (無線電台調諧)</p> | <p>3 顯示視窗</p> <p>4 遙控器感應器</p> <p>5 便攜式裝置輸入</p> <p>6 USB 埠</p> <p>7 音量控制</p> |
|---|--|

後面板



- | | |
|---|---|
| <p>1 AC 電源線</p> <p>2 喇叭接頭</p> <p>3 冷卻風扇</p> <p>4 網路埠</p> <p>5 光學輸入</p> <p>6 HDMI 輸入 1/2</p> <p>7 HDMI 輸出</p> | <p>8 視訊輸出</p> <p>9 COMPONENT VIDEO (Y PB PR) 輸出
(循序掃描)</p> <p>10 天線接頭</p> <p>11 iPod (24 針腳)
連接至隨附的 iPod 座。</p> <p>12 AUX (L/R) 輸入</p> |
|---|---|

組裝揚聲器

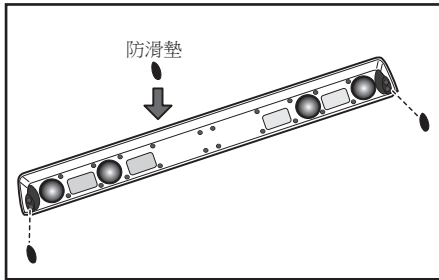
揚聲器設定

準備揚聲器

1. 把防滑墊貼附在每個揚聲器的底部。

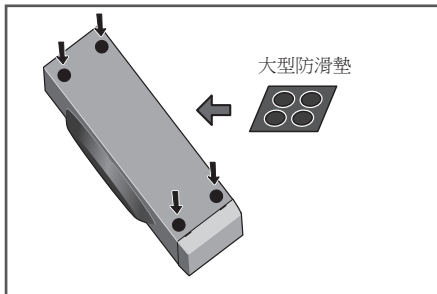
前置揚聲器：

使用隨附的黏貼，把 2 個防滑墊貼在每個揚聲器的底部。



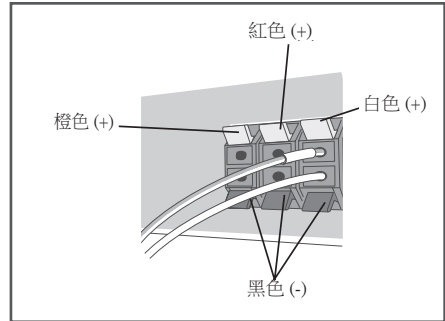
對於重低音揚聲器：

請利用隨附的黏著劑將四個大型防滑墊安裝至重低音的底部。



2. 將揚聲器線連接至播放機上。

將有灰色線條的白線連接至 (+) 側，而另一條則連接至 (-) 側。在將揚聲器線連接至播放機上時，先按壓各個塑膠指壓固定墊以打開連接端子。跟著將線插入並放開指壓固定墊。



⚠️ 小心

- 切勿連接任何並非專為本系統所提供的揚聲器。
- 切勿將隨附的揚聲器連接至並非隨本系統所提供的擴音器上，否則將有可能導致系統故障或起火。
- 請連接低音揚聲器的揚聲器纜線（紫色）至播放器的橙色接口。
- 這些揚聲器插口帶有危險電壓。為防止在連接或拔除揚聲器纜線時引致觸電，請在接觸任何未經絕緣的部分前，拔除電源連接。

把揚聲器掛牆安裝

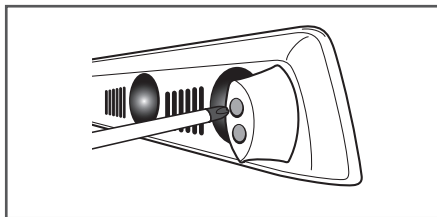
安裝前

- 請謹記，揚聲器系統非常重，它的重量可能會令螺絲鬆開，或牆身的物料不能承受，而令到揚聲器掉下。請確保牆身能夠承受揚聲器重量。請勿在夾板或軟的牆身上安裝。
- 沒有附送掛牆螺絲釘。使用適合牆身物料使用以及能夠承受揚聲器重量的螺絲。

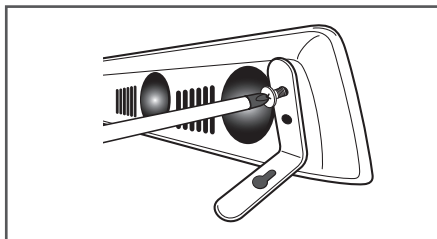
⚠ 小心

- 如果您對牆身的承受力以及質素不肯定，請向專業人士詢問意見。
- Pioneer 對不正確安裝所引起的意外或損毀不負上任何責任。

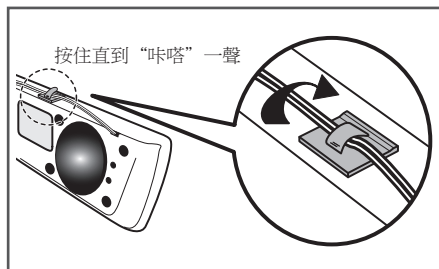
- 使用 Phillips 的螺絲刀移除揚聲器底座上的兩顆螺絲。



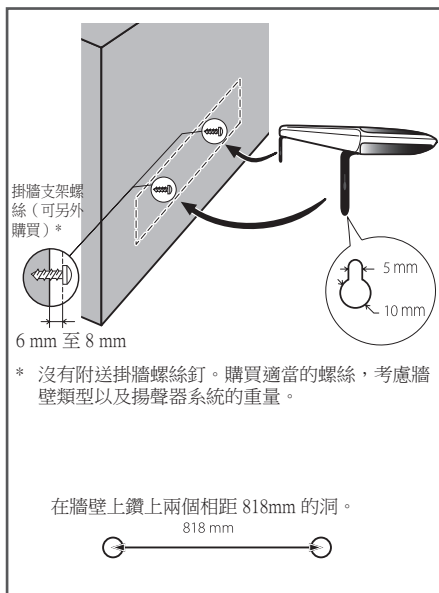
- 使用步驟 1 中的螺絲，將掛牆支架安裝至揚聲器。



- 如圖所示在裝置的頂部貼上隨附的電線扣，並扣上電線。



- 在牆上安裝。



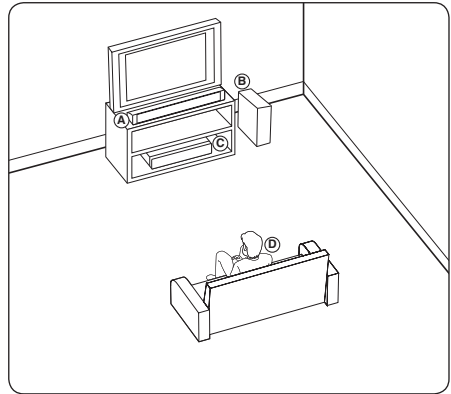
在揚聲器擺放上之補充說明

在電視下的中央位置安裝前置揚聲器。

注意事項：

- 請確保已綑好所有剩餘的電線並已完全插進揚聲器插口。如果剩餘的電線接觸到背面板，可能會因安全措施導致電源中斷。
- 前置揚聲器和低音揚聲器並沒有防磁設計，應放在距離電視機或螢幕的較遠位置。磁性儲存媒體（例如磁片和錄影帶）應放在距離前置揚聲器和低音揚聲器的較遠位置。
- 請勿把低音揚聲器安裝在牆上或天花板上。否則可能會掉下令人受傷。

擺放系統



Ⓐ 前置揚聲器：

Ⓑ 低音揚聲器：

低音揚聲器的位置不太重要，因為低音聲響並非極有指向性。但把低音揚聲器放近前置揚聲器則較為理想。把它稍為面向房間的中心，這有助減少牆壁的回音。

Ⓒ 裝置

Ⓓ 聆聽位置

⚠ 小心

- 請確保兒童不會把手指或任何物件插進
 - *低音揚聲器聲管。
 - *低音揚聲器聲管：低音揚聲器機殼（外殼）輸出豐厚低音的小孔。
- 揚聲器含有磁鐵部件，因此電視螢幕或電腦螢幕畫面的顏色可能會不正常。請把揚聲器放到遠離電視螢幕或電腦螢幕的位置。

連接至您的電視機

視您現有設備的功能，使用以下其中一項連接方式。

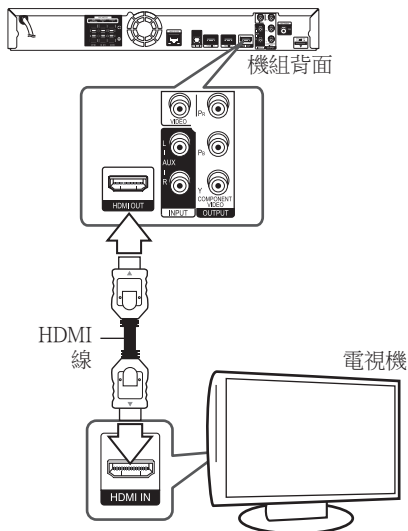
- HDMI連線（第 18 頁）
- 色差端子連線（第 20 頁）
- 視訊連接（第 20 頁）

！ 注意

- 視您要連接的電視機及其他設備，有多種連接播放器的方式。僅使用本手冊所說明的其中一種連線方式。
- 請參見您的電視機、立體聲系統或其他裝置的手冊，建立最佳的連接方式。
- 確認播放器直接連至電視機。將電視機轉至正確的視訊輸入頻道。
- 請勿透過您的VCR連接播放器。版權保護系統會扭曲影像內容。

HDMI 連線

若您使用HDMI 電視機或顯示器，則可使用HDMI線（類型 A，附乙太網路的高速HDMI™ 排線）連接至本播放器。連接播放器的HDMI孔至HDMI相容電視機或顯示器的HDMI孔。



設定電視機的訊號來源為HDMI（請參見電視機的使用手冊）。

HDMI 的額外資訊

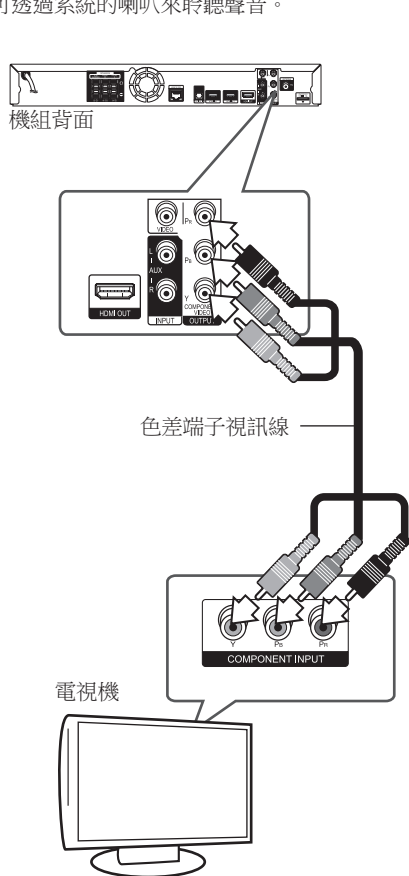
- 連接 HDMI 或 DVI 相容裝置時，請確認以下內容：
 - 嘗試關閉 HDMI/DVI 裝置與本播放器。接著，開啟 HDMI/DVI 裝置並運行30 秒鐘，再開啟本播放器。
 - 正確針對本機設定相連裝置的影片輸入功能。
 - 相連裝置相容於 720x576p、1280x720p、1920x1080i或1920x1080p影片輸入內容。
- 非所有 HDCP-相容 HDMI 或 DVI 裝置均適用於本播放器。
 - 非 HDCP 裝置無法正常顯示影像。

！ 注意

- 若相連的 HDMI 裝置不接受播放器的聲音輸出內容，則可能扭曲 HDMI 裝置的聲音或無法輸出。
- 使用 HDMI 連線時，可變更 HDMI 輸出的解析度。（請參見第 21 頁「解析度設定」。）
- 透過 [設定] 功能表的 [HDMI 色彩設定] 選項，選擇使用 HDMI 輸出孔影片輸出的類型（請參見第 31 頁）。
- 在已建立連線的情況下變更解析度，可能造成故障。將播放器從新啟動，即可解決此問題。
- 當 HDCP 與 HDMI 無法確認連線時，電視機的螢幕會變黑。此時應檢查 HDMI 連線，或取下 HDMI 線。
- 若螢幕上有雜訊或線條，請檢查 HDMI 線（最大長度限制為 4.5m）。

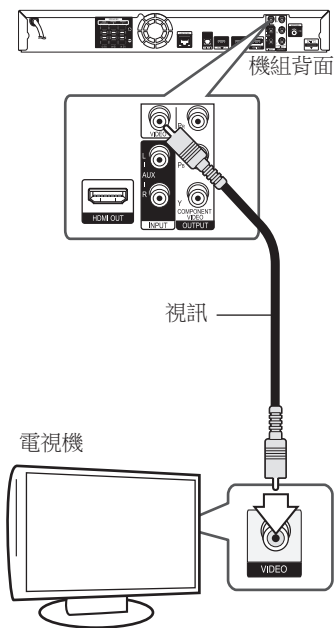
色差端子連線

使用色差端子線連接播放器上的色差端子輸出 (COMPONENT VIDEO OUT) 孔，至電視機上相對應的輸入孔。
可透過系統的喇叭來聆聽聲音。



視訊連接

使用視訊線，連接播放器上的視訊輸出 (VIDEO OUT) 孔至電視機的影片輸入孔。可透過系統的喇叭來聆聽聲音。



! 注意

使用色差端子輸出連線時，可變更輸出內容的解析度。（請參見第 21 頁的「解析度設定」。）

解析度設定

播放器提供多種HDMI輸出 (HDMI OUT) 與色差端子輸出 (COMPONENT VIDEO OUT) 孔的輸出解析度設定值。您可使用 [設定]功能表變更解析度。

1. 按下 HOME MENU (🏠)。
2. 使用 </> 選擇[設定]，並按下 ENTER (⊙)。
。出現 [設定]功能表。
3. 使用 </> 選擇[設定]，並按下 ENTER (⊙)。
。出現 [設定]功能表。
4. 使用 ^/∨，選擇 [解析度] 選項，再按下 ENTER (⊙)，移動到第三層。



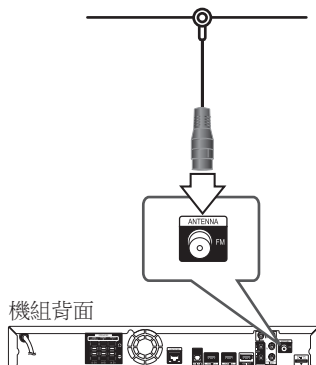
5. 使用 ^/∨，選擇要使用的解析度，再按下 ENTER (⊙) 確認選擇的內容。

！ 注意

- 若您的電視機不接受在播放器設定的解析度，則可設定解析度為 576p：
 1. 按下 ▲ (OPEN/CLOSE)，開啟光碟托盤。
 2. 按下 ■ (STOP)五秒鐘以上。
- 由於多項因素會影響影片輸出的解析度，請參見第 62 頁的「影片輸出解析度」。

連接天線

連接隨附的天線以收聽廣播。



！ 注意

在連接 FM 天線後，請盡量保持水平狀。務必完全伸長FM天線。

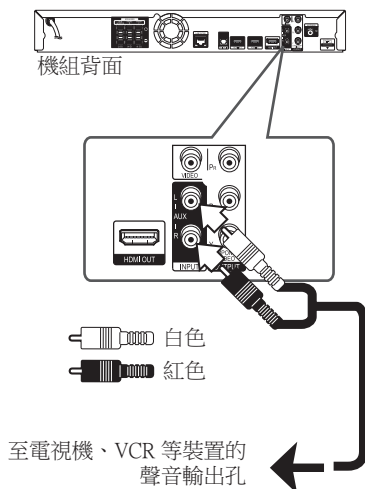
連接外部裝置

連接 AUX

可透過本系統的喇叭來欣賞外部裝置的聲音。

連接裝置的類比聲音輸出孔至本機上的 AUX L/R (INPUT)。按下 INPUT/TUNER 及 ENTER (⊙)，選擇 [AUX] 選項。

亦可使用前面板上的 FUNCTION 鈕來選擇輸入模式。

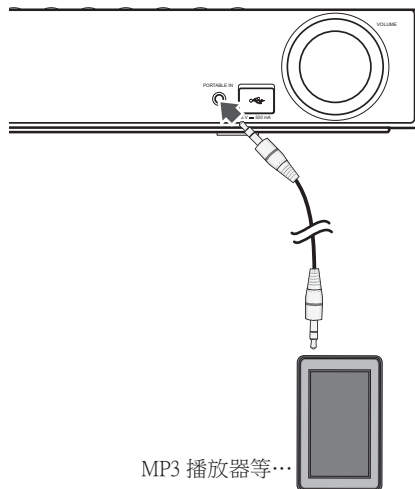


連接 PORT.IN 孔

可透過本系統的喇叭來欣賞可攜式聲音播放器的音樂。

連接可攜式聲音播放器的耳機（或 line out）孔至本機的 PORTABLE IN 孔。按下 INPUT/TUNER 及 ENTER (⊙)，選擇 [PORTABLE] 選項。

亦可使用前面板上的 FUNCTION 鈕來選擇輸入模式。

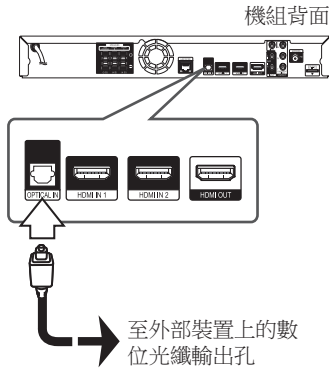


連接 OPTICAL IN 孔

可透過本系統的喇叭，使用數位光纖連線的方式來欣賞其他裝置上的音樂。

連接外部裝置上的光纖輸出孔至本機的 OPTICAL IN 孔。按下 INPUT/TUNER 及 ENTER (⊙)，選擇 [OPTICAL] 選項。或是直接按下 OPTICAL 來選擇。

亦可使用前面板上的 FUNCTION 鈕來選擇輸入模式。

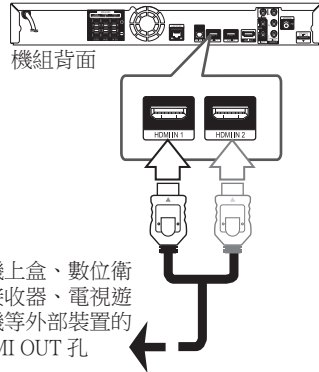


連接 HDMI IN 1/2

可使用此連接方法，欣賞外部裝置上的影音內容。

連接外部裝置的 HDMI OUT 孔至本機的 HDMI IN 1 或 2 孔。按下 INPUT/TUNER 及 ENTER (⊙)，選擇 [HDMI IN 1/2] 選項。

亦可使用前面板上的 FUNCTION 鈕來選擇輸入模式。



! 注意

- 不可變更 HDMI IN 1/2 模式裡的影片解析度。變更相連裝置的影片解析度。
- 若電腦接至 HDMI IN 1/2 孔時出現視訊輸出訊號異常的情況，請變更電腦的解析度為 576p、720p、1080i 或 1080p。
- 無法從色差或視訊輸出埠來輸出 HDMI input 的視訊訊號。
- 播放器從 HDMI 輸入埠傳送聲音至 HDMI 輸出埠及本機喇叭。

藍芽連線

關於藍芽

藍芽是一種適用於短距離連線的無線通訊技術。

有效通訊距離為 10 公尺以內。（當連線受到其他電波干擾或您透過其他房間進行藍芽連線時，聲音即可能會因此中斷。）

透過藍芽無線技術進行個別裝置連線，並不會收取任何費用。透過藍芽無線技術進行個別裝置連線，並不會收取任何費用。

結合藍芽無線技術的行動電話，若是藉由藍芽無線技術完成連線，即可透過「串聯」機制進行操作。

適用裝置：行動電話、MP3、膝上型電腦、PDA（本設備支援立體聲耳機）。

藍芽協定規格

為了使用藍芽無線技術，這些裝置必須能夠解譯某些協定規格。本設備與下列協定規格相容。

A2DP（藍芽立體聲音訊傳輸協定規格，Advanced Audio Distribution Profile）

聆聽藍芽裝置的音樂

進行您的設備與藍芽裝置配對

在您開始進行配對程序之前，請確定您的藍芽裝置的藍芽功能已經開啟。請參考您的藍芽裝置使用指南。配對作業一經完成，其即無需再次執行。

1. 利用 INPUT/TUNER（BT AUDIO）鍵選取藍芽功能。
此時在顯示窗中會先出現「BT AUDIO」再「BT READY」（藍芽功能就緒）的字樣。
2. 操作該藍芽裝置並執行配對作業。在搜尋本設備與藍芽裝置時，視藍芽裝置的型式而定，在藍芽裝置顯示窗中可能會出現一份已經搜尋到的裝置清單，而您的設備會顯示為「PIONEER AUDIO」。
3. 輸入 PIN 碼。
PIN 碼：0000
4. 當本裝置成功與您的藍牙裝置配對，顯示屏將顯示「BT SINK」。

！ 注意

視藍芽裝置的型式而定，某些裝置會有不同的配對方式。

5. 聆聽音樂。
如要播放儲存在您的藍芽裝置上的音樂，請參考您的藍芽裝置使用指南。

！ 注意

- 要是您變更了本設備的功能，藍芽功能即會中斷連線，請再次進行配對作業。
- 在此模式下無法使用 AVRCP。

檢查本裝置的藍牙資訊

您可以透過按 DISPLAY 來檢查藍牙資訊（區域藍牙裝置位址）。

！ 注意

- 注意
- 本設備並不支援「單聲道耳機協定規格」（免持協定規格）
- 當連線受到其他電波干擾時，聲音可能會因此中斷。
- 您不能利用本設備控制藍芽裝置。
- 藍芽裝置與設備的配對功能僅限於一對一，不支援多重配對。
- 雖然您的藍芽裝置與本組設備之間距離少於 10 公尺，但兩者之間仍有許多障礙，因此您的藍芽裝置無法連線。
- 視裝置的型式而定，您可能會無法使用藍芽功能。
- 當藍芽裝置無法連線時，在顯示窗上會出現「BT READY」字樣。
- 當電氣功能因為醫療設備、微波爐或無線網路裝置等使用相同頻率的裝置造成故障時，連線即會中斷。
- 當有人站在藍芽裝置與播放機之間並因此阻斷通訊時，連線即會中斷。
- 藍芽裝置與本設備之間相距愈遠，音質就會愈低，而當藍芽裝置與本設備之間相隔超出藍芽的操作範圍時，連線即會中斷。
- 使用藍芽無線技術的裝置在您將主機關掉或將該裝置擺在距離主機超過 10 公尺以上的地方時，即會中斷連線。

連接至您的家用網路

本播放器可以透過後面板的區域網路 (LAN) 接口連接區域網路。

把播放器連接至寬頻家居網路，就可以使用各種服務，例如 BD-Live 互動及線上服務。

有線網路連線

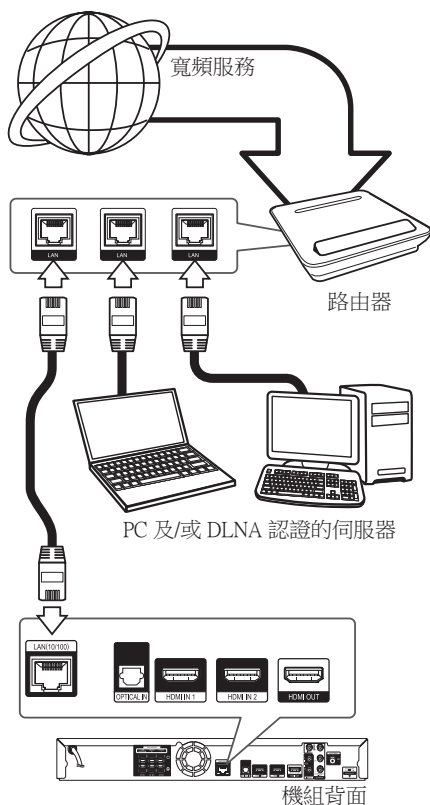
使用有線網路直接連接裝置到網路，不受到無線電頻率的干擾，可提供最佳效能。

請參見您的網路裝置手冊，瞭解相關詳情。

用另購的網路線將播放器的 LAN 連接埠連上數據機或路由器上相對應的连接埠。

注意

- 插入或拔除網路線時，必須握住網路線的插頭處。拔除網路線時，請勿拉扯網路線，而是壓下卡榫再拔除。
- 勿連接模組化電話線至網路埠。
- 由於有多種連線設定方式，請按照電信業者或網路服務提供商的規格操作。
- 若您要存取電腦或 DLNA 伺服器內的內容，則必須透過路由器將本播放器與這些裝置連接在同一區域網路內。



設定有線網路

若透過有線連線連接至區域網路上的DHCP伺服器，會自動分配IP地址給本播放器。在完成實體連線後，有少數的家用網路可能需要調整播放器的網路設定值。調整 [網路] 設定值。

準備

在設定有線網路前，您需連接寬頻網路至家用網路。

1. 在[設定]功能表選擇 [連線設定] 選項，並按下 ENTER (⊙)。



2. 使用 $\wedge/\vee/</>$ 選擇 [動態] 或 [靜態] IP 模式。

一般選擇 [動態]，以自動分配 IP 地址。



！ 注意

若網路上無DHCP伺服器且您要手動設定IP地址，選擇 [靜態]，並使用 $\wedge/\vee/</>$ 與數字鈕設定 [IP地址]、[子網路遮罩]、[閘道]及[DNS伺服器]。若在輸入數字時發生錯誤，按下 CLEAR 鈕，清除反白選取的部分。

3. 選擇 [確定]，再按下 ENTER (⊙)，套用網路設定。
4. 播放器會要求您測試網路連線。選擇 [確定]，並按下 ENTER (⊙)，完成網路連線。

5. 若您在步驟 4 選擇 [測試]並按下 ENTER (⊙)，螢幕上會顯示網路連線狀態。您也能在[設定]功能表的[連線狀態]進行測試。



網路連線注意事項：

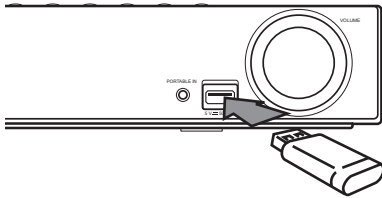
- 重設路由器或數據機，可解決許多設定時發生的網路連線問題。連接播放器至家用網路後，快速關閉及（或）取下家用網路路由器或纜線數據機的電源線。然後再次開啟電源及（或）連接電源線。
- 網路服務提供商（ISP）可能會根據服務條款，限制能接收網路服務的裝置數量。請洽詢您的ISP，瞭解相關詳情。
- 本公司不對因您的寬頻網路連線或其他相連設備發生通訊錯誤／故障，而造成播放器及（或）網際網路連線功能故障的情況負責。
- 本公司非BD-ROM光碟須透過網路連線才能使用之功能的創作商及提供商，且不對其功能性或持續可用性負責。部分光碟須使用網路連線才能使用的相關素材，可能不相容於本播放器。若您對於這些內容有所疑問，請洽詢光碟製造商。
- 部分網路內容可能需要使用更高頻寬的連線。
- 即便正確連接及設定播放器，也有可能因網路擁塞、網路服務的品質或頻寬，或內容提供商的問題，而無法正確操作部分網路內容。
- 可能由於您的寬頻服務提供商（ISP）加以限制，而無法操作部分網路連線功能。
- 您要負擔ISP收取的費用，包括但不限於連線費用。
- 使用有線連線連接本播放器時，需使用10 Base-T或100 Base-TX 網路埠。若您的網路服務無法使用此類連線，即無法連接播放器。
- 您必須使用路由器才能使用xDSL服務。
- 如欲使用DSL服務，則需使用DSL數據機；如欲使用纜線數據機服務，則需使用纜線數據機。視與您的ISP之間的存取方法及訂購協議，您可能無法使用本播放器的網路連線功能，或限制同時連接的裝置數量。（若您的ISP限制只有一部裝置可申請，則電腦連接網路時，本播放器即無法連網。）
- 您的ISP可能不允許使用或限制使用「路由器」。請洽詢您的ISP，瞭解相關詳情。
- 請關閉您家用網路中所有未使用的網路設備。部分裝置會產生網路流量。

連接USB 裝置

本播放器可播放USB 裝置的電影、音樂與照片檔案。

播放USB 裝置的內容

1. 將USB 裝置置入USB 埠，直到卡住為止。



2. 按下 HOME MENU (🏠)。
3. 使用 </> 選擇 [影片]、[相片]或[音樂]，並按下 ENTER (⊙)。
4. 使用 ^/∨ 選擇 [USB] 選項，並按下 ENTER (⊙)。



5. 使用 ^/∨/</> 選擇檔案，並按下 PLAY 或 ENTER (⊙) 播放檔案。
6. 小心取出 USB 裝置。

！ 注意

- 本播放器在存取檔案時（音樂、相片、電影），支援以 FAT16、FAT32 和 NTFS 格式化的 USB 隨身碟／外接硬碟。對 BD-Live 及 Audio CD 錄寫，只支援 FAT16 及 FAT32 格式。用 FAT16 或 FAT32 格式的 USB 閃存驅動器/外接硬碟進行 BD-Live 及音訊 CD 錄寫。
- USB 裝置可作為本地儲存設備，搭配網路使用 BD-Live 光碟。
- 本機組最多可以支援擁有 8 個分割區的 USB 裝置。
- 操作時（播放等）勿取出 USB 裝置。
- 不支援連接至電腦時需要安裝額外程式的 USB 裝置。
- USB 裝置：支援 USB1.1與 USB2.0的USB 裝置。
- 可播放電影、音樂與照片檔案。請參見相關頁面，以解使用每種檔案的詳細資料。
- 建議經常進行備份，以免資料遺失。
- 若您使用USB 延長線、USB集線器或USB多格式讀卡機，則無法辨識此USB 裝置。
- 本機可能無法使用部分USB 裝置。
- 不支援數位相機與行動電話。
- 本機的USB 埠無法連接至電腦。本機無法作為儲存裝置使用。

設定

調整設定功能的設定值

您可在[設定]功能表中，變更播放器的設定值。

1. 按下 HOME MENU (🏠)。



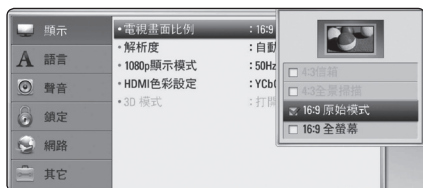
2. 使用 </>, 選擇[設定], 並按下 ENTER (⊙)。出現[設定]功能表。



3. 使用 ^/v, 選擇第一個設定選項，並按下 > 移動到第二層。



4. 使用 ^/v, 選擇第二個設定選項，並按下 ENTER (⊙) 移動到第三層。



5. 按 ^/v 鍵選擇設定值，按 ENTER (⊙) 鍵確認所做的選擇。

[顯示]功能表

電視機螢幕的長寬比

根據您的電視機機型，選擇電視機的長寬比選項。

[4:3信箱]

連接標準 4 : 3 電視機時選擇此選項。在影像上下會有黑邊，呈現電影院般的效果。

[4:3全景掃描]

連接標準 4 : 3 電視機時選擇此選項。會裁切畫面，以符合您的電視機螢幕。會切掉畫面的兩側。

[16:9 原始模式]

連接 16 : 9寬螢幕電視機時選擇此選項。以原始4 : 3長寬比顯示4 : 3的畫面，左右兩側會出現黑邊。

[16:9 全螢幕]

連接 16 : 9寬螢幕電視機時選擇此選項。水平調整4 : 3畫面（以線性比例）塞滿整個畫面。

! 注意

解析度設定高於720p的值時，無法選擇 [4:3信箱] 與 [4:3全景掃描] 選項。

解析度

設定色差端子與 HDMI 影片訊號的輸出解析度。請參見第21與第62頁，瞭解解析度設定的相關細節。

[自動]

若HDMI輸出孔連接至有顯示資訊 (EDID) 功能的電視機，會自動選擇最適合此相連電視機的解析度。

[1080p]

輸出 1080 條線的循序式影片。

[1080i]

輸出 1080 條線的交錯式影片。

[720p]

輸出 720 條線的循序式影片。

[576p]

輸出 576 條線的循序式影片。

[576i]

輸出 576 條線的交錯式影片。

1080p 顯示模式

解析度設定為1080p時，選擇 [24 Hz] 相容於 1080p/24 Hz 輸入功能的HDMI顯示器，使其平滑呈現影片內容（1080p/24 Hz）。

！ 注意

- 選擇 [24 Hz] 時，影片切換為影片及底片內容時，可能會出現影像干擾的情況。此時請選擇 [50 Hz]。
- 即使 [1080p 顯示模式] 設定為 [24 Hz]，如果您的電視機與 1080p/24 Hz 不相容，實際的視訊輸出幀頻仍維持在 50 Hz 以符合視訊源格式。
- 由於有多種因素可影響視訊輸出的解像度，請參閱第 62 頁的「視訊輸出解像度」。

HDMI 色彩設定

選擇HDMI輸出孔的輸出類型。請參見您的顯示裝置手冊，瞭解相關詳情。

[YCbCr]

連接至HDMI 顯示裝置時，選擇此選項。

[RGB]

連接至DVI顯示裝置時，選擇此選項。

3D 模式

選擇藍光 3D 光碟播放的輸出模式。

[關閉]

播放藍光 3D 光碟的時候，會以 2D 模式輸出，就像播放一般的 BD-ROM 光碟一樣。

[打開]

播放藍光 3D 光碟的時候，會以 3D 模式輸出。

[語言]功能表

顯示功能表

選擇 [設定] 功能表與螢幕功能設定的語言。

光碟功能表／光碟聲音／光碟字幕

選擇音樂曲目（光碟聲音）、字幕及光碟功能表要使用的語言。

[原始]

參見光碟內錄製的原始語言。

[其它]

按下 ENTER (⊙)，選擇另一種語言。按照第59頁的語言代碼清單，使用數字鈕，再按下 ENTER (⊙)，確認相對應的4個數字。

[關閉]（僅光碟字幕）

關閉字幕。

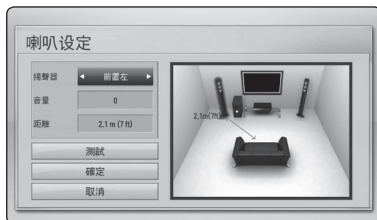
! 注意

您使用的光碟可能無法設定語言。

[聲音]功能表

喇叭設定

請使用喇叭設定畫面來指定已連接之喇叭的音量和與聆聽位置間的距離，以享受最佳的音效。使用測試功能來調整喇叭音量為相同水準。



[揚聲器]

選擇要調整的喇叭。

[音量]

調整每支喇叭的輸出水準。

[距離]

調整每支喇叭間及與聆聽位置的距離。

[測試/ 停止測試音調]

喇叭會發出測試音。

[確定]

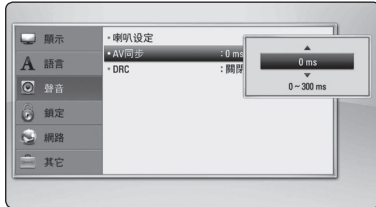
確認設定值。

[取消]

取消設定值。

AV同步

有時數位電視機會出現聲畫不同步的情況。若發生此情況時，可設定聲音延遲來補償，可效「等待」畫面出現，此稱為 HD AV Sync。使用 \wedge / \vee 上下捲動延遲量，可設定 0 到 300 ms 間的值。



DRC (動態範圍控制)

此功能讓您在聲音清晰度不受影響之下，用比較低的音量欣賞電影。

[關閉]

關閉此功能。

[打開]

壓縮 Dolby Digital、Dolby Digital Plus 或 Dolby TrueHD 音訊輸出的動態範圍。

[自動]

Dolby TrueHD 的音訊輸出使用其特定的動態範圍。

Dolby Digital 和 Dolby Digital Plus 的動態範圍操作與處於 [打開] 模式的時候相同。

! 注意

僅未置入光碟或本機為完全停止模式時，才能變更DRC設定。

[鎖定]功能表

[鎖定]的設定值僅會影響 BD-ROM 與DVD。

您必須輸入已建立的四位數密碼，存取[鎖定]設定中的功能。若您尚未輸入密碼，則會提醒您輸入。輸入四位數密碼兩次，按下 ENTER (⊙) 建立新的密碼。

密碼

您可以建立或變更密碼。

[無]

輸入四位數密碼兩次，按下 ENTER (⊙) 建立新的密碼。

[變更]

輸入目前的密碼，並按下 ENTER (⊙)。輸入四位數密碼兩次，按下 ENTER (⊙) 建立新的密碼。

若忘記密碼

若忘記密碼，您可採取以下步驟清除：

1. 取出播放器內的光碟。
2. 選擇[設定]功能表的[密碼]選項。
3. 使用數字鈕，輸入「210499」。已清除密碼。

! 注意

若在按下 ENTER (⊙) 前按錯數字，請按下 CLEAR。再輸入正確的密碼。

DVD 評等

根據內容鎖定播放已評等的DVD。(非所有光碟均進行評等。)

[等級 1-8]

評等1為最嚴格，評等8為最不嚴格。

[解鎖]

若您選擇 [解除鎖定]，即不會啟動家長控制功能，會完整播放光碟內容。

Blu-ray 碟片等級

設定 BD-ROM 播放的期限。

按數字鍵輸入 BD-ROM 的檢視期限。

[255]

可播放所有BD-ROM。

[0-254]

以光碟上相對應的評等禁止播放BD-ROM。

! 注意

僅附有先進分類控制內容的藍光光碟才能使用[Blu-ray碟片等級]功能。

地域代碼

根據第 58 頁的清單，輸入用以評等 DVD 影片光碟的區碼。

[網路]功能表

需要作出 [網路] 設定，才可以使用 BD-Live 和線上功能。

連線設定

若您的家用網路環境可連接播放器，則播放器需設定有線網路連線，以便進行網路通訊活動。(請參見第26-28頁「連接至您的家用網路」。)

連線狀態

若您要檢查本播放器的網路狀態，選擇[連線狀態]選項，並按下 ENTER (⊙) 檢查是否有連線至網路，且是否已建立網路。

BD-LIVE連線

您在使用 BD-Live 功能時，可限制存取網際網路。

[允許]

所有 BD-Live 內容可存取網際網路。

[部分允許]

僅內容持有人已認證的 BD-Live 內容可存取網際網路。所有未認證的 BD-Live 內容禁止存取網際網路及AACs Online 功能。

[禁止]

所有 BD-Live 內容禁止存取網際網路。

[其它]功能表

DivX VOD®

關於DIVX 影片：DivX® 為由DivX Inc.建立的數位影片格式。本機為獲得DivX官方認證的裝置，可播放DivX 影片。請至www.divx.com瞭解更多資訊及取得將檔案轉檔為DivX 影片的軟體。

關於 DIVX 隨選視訊：本 DivX Certified® 裝置必須加以註冊，才能夠播放所購買的 DivX 隨選視訊 (VOD) 電影。若想取得您的註冊碼，請前往您裝置的設定功能表中的 DivX VOD 部份。請前往 vod.divx.com，以瞭解更多如何完成註冊的資訊。

[註冊]

顯示播放器的註冊碼。

[撤銷註冊]

取消啟動播放器及顯示取消啟動碼。

! 注意

所有使用本播放器註冊碼從DivX VOD下載的影片，只能在本機上播放。

自動切斷電源

若播放器進入停止模式五分鐘，即會出現螢幕保護程式。如果您將此選項設為[打開]，自螢幕保護程式顯示後，本裝置將自動在25分鐘內關閉。設定此選項為[關閉]，讓螢幕保護程式繼續運行，直到使用者使用本機為止。

初始化

[出廠設定]

您可重設播放器為原始出廠設定值。

[清除 BD-LIVE 存儲]

從已連接的 USB 快閃記憶體將 BD-Live 內容初始化。

! 注意

若使用 [出廠設定] 選項，將播放器恢復為原廠預設值，則必須重新設定所有的線上服務及網路設定。

軟體資訊

顯示目前的軟體版本。

免則聲明

按 ENTER (Ⓞ) 鍵，檢視 Network Service Disclaimer (網路服務免責聲明)。

音效

您可以選擇適合的聲音模式。重複按下 SOUND，直到前面板螢幕或電視螢幕上出現要使用的模式。依照聲音來源與效果，可能會出現不同的等化器項目。

[STD]: 您可以享受到舒適、自然的音響效果。

[Bypass]：視錄音方式來播放多聲道環繞音效訊號的軟體。

[Bass Blast]：強化左右前置喇叭和超低重音喇叭的低音效果。

[Clear Voice]：此模式可使人聲更為清晰，提升人聲的品質。

[Game]：您可在打電動時享受更逼真的聲音。

[Night]：當您要在深夜以低音量來看電影時，可使用此功能。

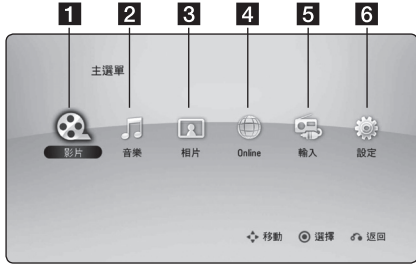
[Mus. ReTouch]：聆聽MP3檔案或其他壓縮音樂時，可強化聲音。此模式僅適用於雙聲道音源。Dolby Digital、Dolby Digital Plus 以及 Dolby True HD 可使用頻道 2 以及多頻道來源。

[Loudness]：改善低音及高音的音質。

一般播放

使用 [HOME] 功能表

按 HOME MENU (🏠) 鍵後，主功能表即顯示出來。按 \wedge / \vee / \lt / \gt 鍵選擇類別，按 ENTER (⊙) 鍵。



- | | |
|---|------------------|
| 1 | [影片] - 播放視訊內容。 |
| 2 | [音樂] - 播放音訊內容。 |
| 3 | [相片] - 播放相片內容。 |
| 4 | [線上] - 顯示線上主頁畫面。 |
| 5 | [輸入] - 變更輸入模式。 |
| 6 | [設定] - 調整系統設定。 |

播放光碟

BD DVD ACD

1. 按下 \blacktriangle (OPEN/CLOSE)，將光碟放在光碟托盤上。
2. 按下 \blacktriangle (OPEN/CLOSE)，關閉光碟托盤。
本機會自動播放多數 Audio CD、BD-ROM 及 DVD-ROM 光碟。
3. 按下 HOME MENU (🏠)。
4. 使用 \lt / \gt 選擇 [影片] 或 [音樂]，並按下 ENTER (⊙)。
5. 按 \wedge / \vee 鍵選擇 [Blu-ray 碟片]、[DVD]、[VR] 或 [聲音] 選項，按 ENTER (⊙) 鍵。

! 注意

- 本手冊的播放功能不適用於所有檔案和媒體。許多因素會限制使用部分功能。
- 視 BD-ROM 所播放的標題，您可能需要連接 USB 裝置以正確進行播放。
- 非最終的 DVD VR 格式碟片可能無法在本播放器播放。
- 某些 DVD-VR 碟片是以 DVD RECORDER 錄寫的 CPRM 資料製作。本播放器不支援這類碟片。

播放碟片/USB 裝置上的檔案

MOVIE MUSIC PHOTO

本播放器可以播放碟片或 USB 裝置中的影片、音訊及相片檔案。

1. 將資料碟片插入碟片匣或連接 USB 裝置。
2. 按下 HOME MENU (🏠)。
3. 使用 \lt / \gt 選擇 [影片]、[相片] 或 [音樂]，並按下 ENTER (⊙)。
4. 使用 \wedge / \vee 選擇 [資料] 或 [USB] 選項，按下 ENTER (⊙)。
5. 使用 \wedge / \vee / \lt / \gt 選擇檔案，按下 \blacktriangleright (PLAY) 或 ENTER (⊙) 播放檔案。

播放藍光 3D 光碟

BD

本播放器能夠播放載有左眼和右眼獨立影像的藍光 3D 光碟。

準備

要使用立體視覺 3D 模式播放藍光 3D 標題，您需要：

- 確認電視機可觀看3D，且配有HDMI (3D) 輸入。
- 必要時，請戴上3D眼鏡，體驗3D樂趣。
- 請檢查 BD-ROM 標題是否藍光 3D 光碟。
- 將 HDMI 纜線（類型 A，附以太網路的高速HDMI™ 排線）插入播放器的高DMI輸出端及電視的HDMI輸入端。

1. 按 HOME MENU (🏠)，並將 [設定] 選單的 [3D 模式] 選項設定為 [打開] (第 31 頁)。
2. 按 ▲ (OPEN/CLOSE) 鍵，然後把光碟放到光碟盤上。
3. 按 ▲ (OPEN/CLOSE) 鍵，把光碟盤關上。光碟會自動開始播放。
4. 更多的使用指引，請參閱您的 3D 電視機的使用說明書。

您也許需要調整顯示設定和電視機的設定，改善 3D 效果。

⚠️ 小心

- 長時間觀看 3D 內容也許會引致頭暈或疲倦。
- 不建議體弱病患者、兒童（特別為 6 歲以下）和孕婦使用 3D 模式觀看電影。
- 觀賞3D時，如果有頭痛、眼睛疲勞或暈眩的情況發生，強烈建議您停止播放，休息片刻直至恢復正常為止。

欣賞BD-Live™

BD

支援具備網絡擴展功能的 BD-Live (BD-ROM 版本 2 設定檔 2) 的 BD-ROM 使您只要把播放器連接到互聯網，便可享受如下載電影預告片等更多功能。

1. 檢查網路連線與設定 (第 26-28 頁)。
2. 將USB 儲存裝置置入前面板USB 埠。
下載額外內容時，需使用USB 儲存裝置。
3. 按下 HOME MENU (🏠)，設定 [設定] 功能表中的 [BD-LIVE 連接] 選項 (第 34 頁)。
視您使用的光碟而定，若 [BD-LIVE 連接] 選項設定為 [部分允許]，可能無法使用 BD-Live 功能。
4. 置入有 BD-Live 功能的BD-ROM。
視您使用的光碟而定，操作性可能所不同。請參見光碟隨附的手冊。

⚠️ 小心

下載內容或Blu-ray還在光碟托盤內時，請勿取出相連的USB 裝置。如此可能損壞相連的USB 裝置；損壞的USB 裝置無法再正常使用 BD-Live 功能。若相連的USB 裝置因此損壞，您可以在電腦上格式化相連的USB 裝置，重新再搭配本播放器使用。

⚠️ 注意

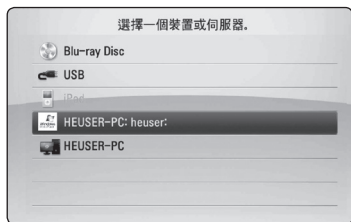
- 部分地區的內容提供商決定可能限制存取某些 BD-Live 內容。
- 可能需要數分鐘的時間載入及開始使用 BD-Live 內容。

播放網路伺服器上的檔案

MOVIE MUSIC PHOTO

本播放器可藉由家庭網路播放 PC 或 DLNA 伺服器上的影片、音樂、及相片檔案。

1. 檢查網路連線與設定值 (第 26-28 頁)。
2. 按下 HOME MENU (🏠)。
3. 使用 </> 選擇 [影片]、[相片] 或 [音樂]，並按下 ENTER (⊙)。
4. 按 ^/V 鍵選擇 DLNA 媒體伺服器或電腦上的共享資料夾，按 ENTER (⊙) 鍵。



按綠色 (B) 鍵重新掃描可用的媒體伺服器。

5. 按 ^/V/</> 鍵選擇檔案，再按 ENTER (⊙) 鍵播放檔案。

！ 注意

- 檔案需求可見於頁 10。
- 無法在本播放器播放的檔案縮圖可顯示出來。
- 字幕及影片檔案名稱必須相同且位於同一資料夾內。
- 播放及作業品質可能受到家庭網路好壞的影響。
- 你可能因伺服器的環境碰到連接方面的問題。
- 無法支援 DTCP-IP。

輸入網路使用者 ID 與密碼

視您的電腦環境，您可能需要輸入網路使用者 ID 及密碼，以存取共享資料夾。

1. 若有需要輸入網路使用者 ID 與密碼，將會自動顯示鍵盤功能表。
2. 使用 ^/V/</>，選擇虛擬鍵盤上字元，再按下 ENTER (⊙) 確認輸入內容。

按 DISPLAY (⏏) 鍵，用顯示出來的延伸字符組輸入帶有特殊重音標示的子母。



[取消] - 返回上一個畫面。

[空格] - 在滑鼠位置插入一個空格。

[<-] - 在滑鼠位置刪除前一個字元。

[ABC/abc/#+=&] - 變更鍵盤功能表設定為大寫字母、小寫字母或符號。

3. 輸入網路使用者 ID 與密碼後，使用 ^/V/</> 選擇 [確定]，並按下 ENTER (⊙) 以存取資料夾。

將記憶您的網路使用者 ID 與密碼，以便日後存取資料夾。若您不要記憶網路使用者 ID 與密碼，按下紅色 (A) 鈕，在存取資料夾前取消勾選 [記憶] 核選方塊。

對音訊及視訊內容的基本操作

停止播放

播放中按 **■** (STOP) 鍵。

暫停播放

播放中，按 **⏸** (PAUSE/STEP) 鍵。

按 **▶** (PLAY) 鍵，繼續播放。

逐格播放 (視訊)

播放電影按下 **⏸** (PAUSE/STEP) 鍵。

重複按下 **⏸** (PAUSE/STEP) 逐格播放。

向前或向後掃描

播放時按下 **◀◀** 或 **▶▶**，快轉或快速倒轉播放。

重複按下 **◀◀** 或 **▶▶**，即可變更播放速度。

變慢播放速度

在暫停播放時，重複按下 **▶▶** 以不同速度的慢動作播放。

跳到下一個／上一個 章節／曲目／檔案

播放中按下 **◀◀◀** 或 **▶▶▶**，開啟下一個 章節／曲目／檔案，或返回目前章節／曲目／檔案的開始處。

快速按下 **◀◀◀** 兩次，回到上一個章節／曲目／檔案。

伺服器的檔案清單功能表會顯示資料夾內的各種內容類型。按 **◀◀◀** 或 **▶▶▶** 鍵瀏覽上一個或下一個同類型的內容。

對相片內容的基本操作

播放投影片

按 **▶** (PLAY) 鍵，開始投影片播放。

停止投影片播放

投影片播放中按 **■** (STOP) 鈕。

暫停投影片播放

投影片播放中，按 **⏸** (PAUSE/STEP) 鍵。

按 **▶** (PLAY) 鍵，重新開始投影片播放。

跳到上一個/下一個相片

全螢幕檢視相片時，按 **<** 或 **>** 鍵跳到上一個/下一個相片。

使用碟片功能表

BD DVD AVCHD

顯示碟片功能表

插入載有功能表的碟片時，功能表畫面會首先顯示出來。按 MENU 功能表在播放中顯示碟片功能表。

按 **^/√/</>** 鍵瀏覽功能表項目。

顯示彈現功能表

某些 BD-ROM 碟片內含播放中顯示的彈現功能表。

播放中按 POPUP/TOP MENU 鈕，再用 **^/√/</>** 鈕瀏覽功能表項目。

繼續播放

BD DVD AVCHD MOVIE ACD
MUSIC

視使用的光碟，本機會記錄您按下 **■** (STOP) 的位置。

若螢幕短暫出現「**||■** (繼續停止)」，

按下 **▶** (PLAY) 繼續播放 (從場景記憶點)。

若您按下 **■** (STOP) 兩次或取出光碟，螢幕會出現「**■** (完全停止)」的字樣。本機會清除停止點。

! 注意

- 按下 **⏻** (STANDBY/ON)、**▲** (OPEN/CLOSE) 等按鈕時，會清除繼續播放點。
- 恢復播放功能未能應用於含有 BD-J 的 BD-ROM 光碟。
- 若您在播放 BD-ROM 互動標題時按下 **■** (STOP)，本機即會進入完全停止模式。

進階播放

重複播放

BD DVD AVCHD ACD MUSIC

在播放時重複按下 REPEAT (⏮️) 鈕，選擇要使用的重複模式。

Blu-ray 光碟 / DVD

- ⏮️ A- - 連續重複播放所選擇的段落。
- ⏮️ 章節 - 重複播放目前的章節。
- ⏮️ 標題 - 重複播放目前的標題。

重複按下 REPEAT (⏮️) 鈕，選擇 [關閉]，即可返回至正常播放模式。

音訊 CD / 音樂檔案

- 🔁 Track - 重複播放目前的曲目或檔案。
- 🔁 All - 重複播放所有曲目或檔案。
- 🔁 - 隨機播放曲目或檔案。
- 🔁 All - 隨機重複播放所有曲目或檔案。
- ⏮️ A-B - 連續重複播放所選擇的段落。
(僅 Audio CD)

按下 CLEAR 鈕，即可返回至正常播放模式。

! 注意

- 若您在重複播放章節 / 曲目時按下 ⏮️，即會取消重複播放。
- 部分光碟或標題無法使用此功能。

重複指定的段落

BD DVD AVCHD ACD

本播放器可重複播放選定的段落。

1. 播放中，按 REPEAT (⏮️) 鍵選擇 [A-]，從您要重複播放的段落起點開始播放。
2. 在部分結束處按下 ENTER (⏹️)。將連續重複播放您選擇的部分。
3. 重複按下 REPEAT (⏮️) 鈕，選擇 [關閉]，返回正常播放模式。

! 注意

- 您不可選擇短於3 秒鐘的內容。
- 部分光碟或標題無法使用此功能。

放大播放影像

BD DVD AVCHD MOVIE PHOTO

1. 在播放或暫停模式中，按下 ZOOM 鈕顯示 [縮放] 功能表。
2. 使用紅 (A) 或綠 (B) 色按鈕縮放畫面。您可使用 ^ / v / < / > 鈕，移動縮放後的畫面。
3. 按下黃色 (C) 鈕，即可返回正常畫面大小。
4. 按下 RETURN (⏮️)，離開 [縮放] 功能表。

標示搜尋

BD DVD AVCHD MOVIE

您可從最多九個標示點開始播放。

輸入標示

1. 播放中，在想要的點按 MARKER 鍵。標示圖示會短暫顯示出來。
2. 重複執行步驟 1 添加最多 9 個標示。

叫出有標示的畫面

1. 按 SEARCH 鍵，搜尋功能表即顯示出來。
2. 按數字鈕，選擇您要叫出的標示號碼。播放順序從有標示的段落開始。

刪除標示

1. 按 SEARCH 鍵，搜尋功能表即顯示出來。



2. 按 \vee 鍵反白顯示標示碼。按 \langle / \rangle 鍵選擇要刪除的標示畫面。
3. 按 CLEAR 鍵，刪除搜尋功能表中已標示的段落。

！ 注意

- 本功能可能無法操作，視碟片、專輯、伺服器性能而異。
- 曲目及影片在完全停止（■）模式、被更換或退出碟片後，任何標示點都會被清除。
- 本功能不適用於總長度不足 10 秒的標題。

使用搜尋表

BD DVD AVCHD MOVIE

您可經由搜尋功能表，輕鬆找到要開始播放的點。

搜尋某個點

1. 播放中請按 SEARCH 鍵以顯示搜尋功能表。



2. 按 \langle / \rangle 鈕向前或後快轉 15 秒。按住 \langle / \rangle 鍵，選擇要略過的點。

從有標示的段落開始播放

1. 按 SEARCH 鍵，搜尋功能表即顯示出來。
2. 按 \vee 鍵反白顯示標示碼。按 \langle / \rangle 鍵選擇要刪除的標示畫面。
3. 按 ENTER (●) 鍵，從選定的段落開始播放。

！ 注意

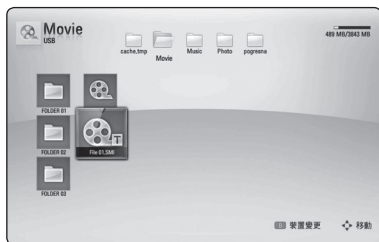
- 部分碟片或標題無法使用本功能。
- 本功能可能無法操作，視檔案類型及媒體伺服器性能而異。

選擇字幕檔

MOVIE

若字幕檔名異於電影檔名，您需在播放電影前於 [影片] 功能表選擇字幕檔案。

1. 使用 $\wedge/\vee/</>$ 在 [影片] 功能表選擇要播放的字幕檔案。
2. 按下 ENTER (Ⓢ)。



再次按下 ENTER (Ⓢ) 取消選擇字幕檔案。播放電影檔案時，會顯示您選擇的字幕檔案。

! 注意

- 播放時按下 ■ (STOP)，即會取消選擇字幕。
- 本功能不可用於經由家庭網路播放伺服器上的檔案。

記憶最後場景

BD DVD

本機可記憶最後一片觀賞的光碟內的最後場景。即使您取出光碟或關閉本機電源，仍會將最後場景儲存在記憶體中。若您載入有記憶場景的光碟時，即會自動呼叫場景。

! 注意

- 播放不同光碟時，會清除上一個光碟的最後場景記憶功能。
- 部分光碟可能無法使用此功能。
- 含有 BD-J 的 BD-ROM 光碟未能應用最後鏡頭記憶功能。
- 若您在播放前即關閉本機電源，本機即不會記憶光碟設定值。

觀看照片時的選項

PHOTO

您在以全螢幕觀看照片時，可使用多項選項。

1. 以全螢幕觀看照片時，按下 DISPLAY (□) 以顯示選項功能表。
2. 使用 \wedge/\vee 選擇選項。



1 目前的照片／總照片數 - 使用 \langle/\rangle 觀看上一張／下一張照片。

2 幻燈片 - 按下 ENTER (⊙) 開始播放或暫停幻燈片。

3 選擇音樂 - 選擇幻燈片的背景音樂 (第 45 頁)。

4 音樂 - 按下 ENTER (⊙) 播放或暫停背景音樂。

5 旋轉 - 按下 ENTER (⊙)，以順時針方向旋轉照片。

6 縮放 - 按下 ENTER (⊙)，顯示 [縮放] 功能表。

7 效果 - 使用 \langle/\rangle ，選擇幻燈片照片間的過場效果。

8 速度 - 使用 \langle/\rangle ，選擇幻燈片照片間的延遲速度。

3. 按下 RETURN (↵) 離開選項功能表。

投影片播放中聆聽音樂

PHOTO

聆賞音樂檔案時，您可顯示相片檔案。

1. 全螢幕檢視相片時，按 DISPLAY (□) 鍵顯示選項功能表。
2. 使用 \wedge/\vee ，選擇 [選擇音樂] 選項，並按下 ENTER (⊙) 顯示 [選擇音樂] 功能表。
3. 按 \wedge/\vee 鍵選擇裝置，按 ENTER (⊙) 鍵。您可以選擇的裝置會因應您以全螢幕觀看的照片檔案的儲存位置而異。

相片位置	可用的裝置
碟片，USB	碟片，USB
分享資料夾 (PC)	分享資料夾 (PC)
DLNA 伺服器	DLNA 伺服器

4. 按 \wedge/\vee 鍵選擇要播放的檔案或資料夾。



選擇 \square ，按 ENTER (⊙) 鍵顯示前段目錄。

! 注意

自伺服器選擇音樂檔案時，您將無法選擇資料夾。只能使用檔案選擇功能。

5. 使用 \rangle 選擇 [確定]，並按下 ENTER (⊙)，完成選擇音樂的動作。

螢幕功能設定

您可以顯示與調整關於內容的不同資訊和設定。

在視控功能內容資訊

BD DVD AVCHD MOVIE

1. 播放中，按 DISPLAY (⏏) 鍵，選擇各種播放資訊。



1 標題 - 目前的標題數／總標題數。

2 章節 - 目前的章節數／總章節數。

3 時間 - 已播放時間／總播放時間。

4 聲音 - 已選擇的聲音語言或聲道。

5 字幕 - 已選擇的字幕。

6 角度 - 已選擇的角度／總角度數。

7 電視畫面比例 - 已選擇的電視機長寬比。

8 畫面模式 - 已選擇的影像模式。

2. 使用 \wedge/\vee 選擇一個選項。
3. 使用 $</>$ 調整已選擇的選項值。
4. 按下 RETURN (↵) 離開螢幕功能設定。

! 注意

- 若在數秒鐘內未按下按鈕，視控功能即會消失。
- 部分光碟無法選擇標題數。
- 視光碟或標題而定，可用項目會有所不同。
- 若正在播放藍光光碟互動，會顯示某些設定資訊但禁止更改。

從已選擇的時間開始播放

BD DVD AVCHD MOVIE

1. 播放時按下 DISPLAY (□)。
時間搜尋方塊會顯示已播放時間。
2. 選擇 [時間] 選項，從左到右輸入小時、分鐘與秒鐘等時間。

例如若要找到在 2 小時 10 分 20 秒的場景，則輸入「21020」。

按下 </>，向前或向後播放 60 秒鐘的內容。

3. 按下 ENTER (⊙)，從已選擇的時間開始播放。

! 注意

- 部分光碟或標題可能無法使用此功能。
- 本功能可能無法操作，視檔案類型及 DLNA 伺服器性能而異。

收聽其他聲音

BD DVD AVCHD MOVIE

1. 播放時按下 DISPLAY (□)，顯示螢幕功能設定。
2. 使用 ^/v 選擇 [聲音] 選項。
3. 使用 </> 選擇要使用的聲音語言、音樂曲目或聲音聲道。

! 注意

- 您只能透過光碟功能表在部分光碟上變更聲音選項。此時按下 POPUP/TOP MENU 或 MENU 鈕，在光碟功能表的選項中選擇合適的聲音。
- 在您切換聲音後，可能暫時在所顯示及實際聲音之間會出現差異。
- 在 BD-ROM 光碟上，在視控功能功能會以 [MultiCH] 顯示多聲道格式（5.1 聲道或 7.1 聲道）。

選擇字幕語言

BD DVD AVCHD MOVIE

1. 播放時按下 DISPLAY (□)，顯示螢幕功能設定。
2. 使用 ^/v 選擇 [字幕] 選項。
3. 使用 </> 選擇要使用的字幕語言。
4. 按下 RETURN (↵) 離開螢幕功能設定。

! 注意

您只能透過光碟功能表，變更部分光碟的字幕選項。此時按下 POPUP/TOP MENU 或 MENU 鈕，在光碟功能表選項中選擇合適的字幕。

從不同角度觀看

BD DVD

若光碟內有以不同攝影機角度拍攝的場景，您就能在播放時變更不同攝影機角度。

1. 播放時按下 DISPLAY (□)，顯示螢幕功能設定。
2. 使用 ^/v，選擇 [角度] 選項。
3. 使用 </>，選擇要觀看的角度。
4. 按下 RETURN (↵) 離開螢幕功能設定。

變更電視機長寬比

BD DVD AVCHD MOVIE

您可以在播放時變更電視機長寬比設定。

1. 播放時按下 DISPLAY (□)，顯示螢幕功能設定。
2. 使用 \wedge/\vee ，選擇 [電視畫面比例] 選項。
3. 使用 $\lt;/\gt$ ，選擇要使用的選項。
4. 按下 RETURN (↵) 離開螢幕功能設定。

！ 注意

即使您在螢幕功能設定變更 [電視畫面比例] 選項的值，也無法變更 [設定] 功能表 [電視畫面比例] 選項的值。

變更字幕碼頁面

MOVIE

若未正常顯示字幕，可變更字幕碼頁面，以正常顯示字幕檔案。

1. 播放時，按下 DISPLAY (□) 顯示螢幕功能設定。
2. 使用 \wedge/\vee ，選擇 [代碼頁] 選項。
3. 使用 $\lt;/\gt$ ，選擇要使用的代碼選項。



4. 按下 RETURN (↵) 離開螢幕功能設定。

變更影像模式

BD DVD AVCHD MOVIE

您可以在播放時變更 [畫面模式] 選項。

1. 播放時按下 DISPLAY (□)，顯示螢幕功能設定。
2. 使用 \wedge/\vee 選擇 [畫面模式] 選項。
3. 使用 $\lt;/\gt$ 選擇要使用的選項。
4. 按下 RETURN (↵) 離開螢幕功能設定。

設定 [使用者設定] 選項

1. 播放時按下 DISPLAY (□)，顯示螢幕功能設定。
2. 使用 \wedge/\vee ，選擇 [畫面模式] 選項。
3. 使用 $\lt;/\gt$ ，選擇 [使用者設定] 選項，並按下 ENTER (⊙)。



4. 使用 $\wedge/\vee/\lt;/\gt$ 調整 [畫面模式] 選項。選擇 [默認] 選項，再按下 ENTER (⊙)，重設所有影片調整值。
5. 使用 $\wedge/\vee/\lt;/\gt$ ，選擇 [關閉] 選項，並按下 ENTER (⊙) 完成設定。

Audio CD 錄音

您可以從Audio CD錄製一首或全部曲目至USB儲存裝置。

1. 將USB 儲存裝置插入前面板上的 USB 埠。
2. 按下 ▲ (OPEN/CLOSE)，將Audio CD置入光碟托盤。

按下 ▲ (OPEN/CLOSE)，關閉光碟托盤。會自動開始播放。

3. 按下 DISPLAY (□)，顯示選項功能表。

或

按下遙控器上的 ● REC 鈕。
可錄製音樂 CD 裡的所有音樂。

4. 按 ^/V 鍵選擇 [光碟錄製] 選項，按 ENTER (⊙) 鍵。
5. 在功能表上按 ^/V 選擇您要複製的曲目，然後按 ENTER (⊙) 鍵。

重複本步驟無限制選擇所要的曲目。

選擇全部	選擇Audio CD上的所有曲目。
功能選項	在彈出視窗功能表選擇解碼選項 (128kbps、192kbps、320kbps 或 Lossless)。
關閉	取消錄音，返回上一個畫面。

6. 使用 ^/V/</> 選擇 [開始]，並按下 ENTER (⊙) 鈕。
7. 使用 ^/V/</>，選擇要複製至的目標資料夾。



若您要建立新資料夾，使用 ^/V/</> 選擇 [新資料夾]，並按下 ENTER (⊙)。

使用虛擬鍵盤輸入資料夾名稱，選擇 [確定] 時按下 ENTER (⊙) 鈕。

8. 使用 ^/V/</> 選擇 [確定]，並按下 ENTER (⊙) 鈕開始進行 Audio CD 錄音動作。

若您要停止進行中的 Audio CD錄音動作，反白選取 [取消] 時，按下 ENTER (⊙)。

9. 音訊 CD 錄製完成時，會顯示一個訊息。按 ENTER (⊙) 鍵，檢查在目的資料夾新建的音訊檔案。

注意

- 下表舉例顯示錄寫一段 4 分鐘播放時間的曲目到 192 kbps 音樂檔案的平均錄寫時間。

停止模式	播放中
1.4 分鐘。	2 分鐘。

- 上表所列的錄寫時間僅為約略值。
- USB 裝置的實際錄製時間視 USB 儲存裝置的性能而異。
- 錄寫到 USB 儲存裝置時，請確保裝置上至少有 50 MB 的可用空間。
- 音訊長度必須超過 20 秒才能正常錄製。
- 音訊 CD 錄寫中切勿關閉播放器電源或取出 USB 儲存裝置。

小心

複製未授權的版權保護內容時，包括電腦程式、檔案、廣播及錄音內容，可能侵犯著作權法，而構成刑事犯罪。
本設備不得用於該用途。

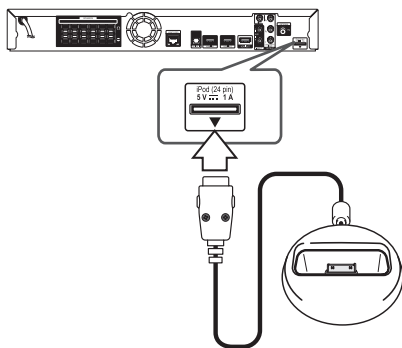
**請對您的行為負責
尊重版權**

播放 iPod

可欣賞iPod裡的音樂。請參見iPod使用手冊，以瞭解使用iPod的詳細方法。

準備

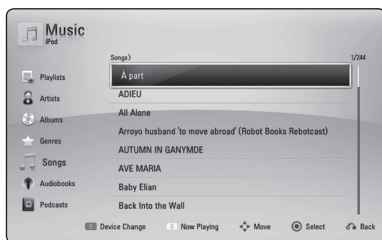
- 在電視機螢幕上觀看iPod裡的影片和照片。
 - 務必使用本機後面板上的 VIDEO OUT 孔來連接視訊輸入內容。在電視機上選擇適當的視訊輸入模式。
 - 視使用的 iPod 而定，務必選擇 Videos > Video 設定值，然後設定 iPod 上的 TV Out 為 Ask 或 On。請參見 iPod 使用手冊，以瞭解視訊設定值的細節。
 - 僅當本機為 iPod IN 模式才能觀看照片，並只能使用幻燈片模式來播放。必須在 iPod 上開啟幻燈片，才能在電視機上觀看照片。請參見 iPod 使用手冊，以瞭解播放幻燈片的細節。
- 在連接 iPod 前，請關閉本機電源並將本機音量調到最低。
 1. 連接底座，如此標記 ▼ 會朝下。將 iPod 放在底座上。確實連接 iPod。若開啟本機電源，會自動開啟 iPod 的電源且開始充電。



2. 使用 $\wedge/\vee/</>$ 來選擇檔案，並按下 ENTER (Ⓞ) 來播放。

在螢幕上播放 iPod

1. 確實連接 iPod。
2. 按下 HOME MENU (⏏)。
3. 使用 $</>$ 來選擇 [音樂] 或 [影片]，並按下 ENTER (Ⓞ)。
若已連接其他裝置 (CD或USB)，在選單上選擇iPod。
4. 使用 $\wedge/\vee/</>$ 來選擇內容，並按下 ENTER (Ⓞ) 開始播放。



使用iPod IN模式

可使用隨附的遙控器及iPod的控制按鍵來操作iPod。

1. 連接底座，如此標記 ▼ 會朝下。
將iPod放在底座上。確實連接 iPod。
若開啟本機電源，會自動開啟iPod的電源且開始充電。
2. 按下 INPUT/TUNER，選 iPod IN 模式。

^/√/</>	選擇選單裡的一個選項。
▶/ENTER	開始播放音樂或影片。
	播放時暫停。若要繼續播放，再次按下 ▶ (PLAY)。
◀◀▶▶	歌曲或影片快速前進或後退。
◀◀▶▶▶▶	快速前進或後退播放。
REPEAT	選擇要使用的重複模式： Track (單曲) (🔄)、All (全曲) (🔄)、Off (關) (不顯示)。

！ 注意

系統與 iPod (第 4 代)、iPod nano、iPod classic、iPod mini、iPod touch 以及 iPhone 的音訊和視訊兼容 (不支援 iPod shuffle)。

！ 注意

- 以下情況會出現「CHECK IPOD」或「Connected iPod model is not supported」(不支援連接的iPod機型)的錯誤訊息：
 - 您的iPod無法使用要操作的功能。
- 若本機出現錯誤訊息，請視訊息內容來檢查：以下情況會出現「CHECK (檢查)」或「Please check your iPod」(請檢查您的iPod)的錯誤訊息：
 - 本機與 iPod 間的通訊中斷。
 - ➔ 從本機底座取下 & 重新放回 iPod。
 - 未確實連接 iPod。
 - 本機將您的 iPod 視為未知的裝置。
 - 您的 iPod 電量極低。
 - ➔ 電池需進行充電。
 - ➔ 若在 iPod 電量極低的情況下進行充電，會花更長的時間才能完成充電。
- 視使用的 iPod 類型，與您的 iPod 間會出現相異的相容性。
- iPod touch 及 iPhone 可能會出現與其他 iPod 不同的相容性。可能需要其他的控制方式 (像是「滑動以解鎖」)，以便搭配本機使用。
- 若要在 iPod touch 或 iPhone 上使用應用程式、打電話或收發簡訊，請從本機的 iPod 座上取下再使用。
- 本裝置經過研發，並經過 Pioneer 網站上所示的 iPod/iPhone 軟體版本測試。
- 在您的 iPod/iPhone 上安裝與 Pioneer 網站上不同的軟體版本可能導致 iPod/iPhone 與本裝置不相容。
- 您 iPod 上的視訊來源會影響到視訊播放的品質。
- 若對您的 iPod 有任何問題，請至 www.apple.com/support/iPod。

操作廣播

務必連接天線（請見第21頁）。

收聽廣播節目

1. 按下 INPUT/TUNER，直到顯示窗出現 TUNER (FM) 的字樣。開始播放最近收聽的電台。
2. 按住 TUNE (-/+) 約兩秒鐘，直到頻率指示器開始變動。
本機找到電台時即會停止掃描。
或重複按下 TUNE (-/+)。

預設廣播電台

可預設 50 個 FM 電台。
在轉台前請調低音量。

1. 按下 INPUT/TUNER，直到顯示窗上出現 TUNER (FM) 的字樣。
2. 使用 TUNE (-/+) 功能來選擇要使用的頻率。
3. 按下 ENTER (●)，在顯示窗裡預設的電台編號會閃動。
4. 按下 PRESET (Λ/V)，選擇要使用的預設電台編號。
5. 按下 ENTER (●)。將電台儲存起來。
6. 重複步驟 2 到 5，以儲存其他電台。

刪除已儲存的電台

1. 按下 PRESET (Λ/V)，選擇要刪除的電台預設編號。
2. 按下 CLEAR，在顯示窗裡預設的電台編號會閃動。
3. 再次按下 CLEAR，刪除所選擇的預設電台編號。

刪除所有已儲存的電台

按住 CLEAR 鈕兩秒鐘。閃動「ERASE ALL」的字樣。再次按下 CLEAR 鈕。此時會刪除所有已儲存的電台。

改善FM收訊不佳的情況

按遙控器的藍色 (D) (ST/MONO) 鍵。調頻器就會由立體聲改為單聲道，這樣通常會改善接收。

使用線上

您可以透過線上功能使用網路上的各種內容服務。

1. 檢查網路連線與設定值（第26-28頁）。
2. 按下 HOME MENU (🏠)。
3. 按 </> 鍵選擇 [高階] 選項，按 ENTER (⊙) 鍵。



4. 按 </> 鍵選擇線上服務，按 ENTER (⊙) 鍵。

！ 注意

- 各服務的詳細說明，請洽內容提供者或瀏覽各該服務的支援鏈接。
- 線上服務的內容及服務相關的資訊 (包括使用者介面) 可能有變。請參閱每種服務各自的網站，瞭解最新資訊。
- 請注意，當您向線上服務提供使用者名稱、密碼、或其他登入資訊或個人資訊，而 Pioneer 儲存這些資訊時，相關的私隱政策將應用至您的私隱及法律權益。請參閱 WEB 網站上的 Pioneer 私隱政策。

故障排除

一般

情況	原因 & 解決方法
無法開啟電源。	<ul style="list-style-type: none"> 牢固將電源線插入插座。
本機無法開始播放。	<ul style="list-style-type: none"> 放入可播放的光碟。（檢查光碟類型、色彩系統及區碼） 以播放面朝下的方式擺放光碟。 將光碟正確放入光碟托盤的導槽。 清潔光碟。 取消評等功能或變更評等水準。
無法變更角度。	<ul style="list-style-type: none"> 所播放的DVD影片未錄製多角度的內容。
無法播放音樂／照片／電影檔案。	<ul style="list-style-type: none"> 檔案未採用本機可播放的格式。 本機不支援電影檔案的編碼器。
遙控器不能使用。	<ul style="list-style-type: none"> 遙控器未對向本機的遙控器感應器。 遙控器距離本機太遠。 遙控器與本機之間有障礙物。 遙控器的電池沒電。
有插入插頭，但是無法開關本機的電源。	您可以按照以下步驟重設本機：
無法正常操作本機。	<ol style="list-style-type: none"> 按 STANDBY/ON 鈕至少五秒鐘。會強迫本機關機，然後再重新開機。 拔除電源線，稍待至少五秒鐘，再插回插頭。

網路

情況	原因 & 解決方法
無法使用BD-Live功能。	<ul style="list-style-type: none"> • 相連的USB儲存設備內的空間不足。連接至有至少 1GB 可用空間的USB儲存設備。 • 確認本機正確連接至區域網路，並且可存取網際網路（請參見第26-28頁）。 • 您的寬頻網路速度太慢，無法使用BD-LIVE 功能。建議聯絡您的網路服務提供商（ISP）並增加寬頻網路的速度。 • [設定]功能表的 [BD-LIVE 連接] 選項設定為[禁止]。設定選項為[允許]。
YouTube™等串流影片服務經常出現停止或播放時出現「緩衝中」的情況。	<ul style="list-style-type: none"> • 您的寬頻網路速度太慢，無法使用串流影片服務。建議聯絡您的網路服務提供商（ISP）並增加寬頻網路的速度。
在 PC 或媒體伺服器分享的資料夾或檔案不會顯示於裝置清單。	<ul style="list-style-type: none"> • 您的媒體伺服器使用防火牆或防毒軟體。關閉電腦或媒體伺服器上的防火牆或防毒軟體。 • 播放器未連接至您的電腦或媒體伺服器所連接的區域網路。

畫面

情況	原因 & 解決方法
沒有畫面。	<ul style="list-style-type: none"> 為電視機選擇適當的影片輸入模式，以便在電視螢幕上顯示本機的畫面。 牢固連接視訊線。 檢查[設定]功能表的[HDMI 色彩設定] 是否正確設定為符合視訊連線的設定值。 您的電視機可能不支援播放器上的解析度。變更解析度為電視可接受的解析度。 播放器的HDMI輸出孔連接至不支援版權保護技術的DVI 裝置。
畫面出現雜訊。	<ul style="list-style-type: none"> 您正在播放與電視採用不同色彩系統的光碟。 變更解析度為電視可接受的解析度。
播放藍光 3D 光碟的時候無法輸出 3D 影像。	<ul style="list-style-type: none"> 用 HDMI 纜線（類型 A，附乙太網路的高速HDMI™ 排線）將播放器連接電視機。 您所用的電視機不支援「HDMI 3D 指定格式」。 [設定] 選單的 [3D 模式] 選項設定成 [關閉]。將選項設定為 [打開]。

聲音

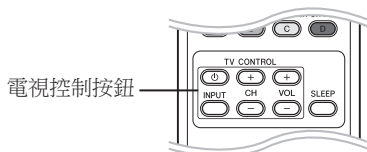
情況	原因 & 解決方法
沒有聲音或聲音失真。	<ul style="list-style-type: none"> 本機為掃描、慢速播放或暫停模式。 音量很小。 檢查喇叭線接線的情況（第15頁）。

更新

請注意，本產品的資訊於 Pioneer 網站上有所提供。請查看網站以取得有關更新的資訊或本播放器的服務資訊。

使用隨附的遙控器控制電視機

您可以使用以下的按鈕，控制您的電視機。



按	執行
⏻ (TV POWER)	開關電視機。
INPUT	切換電視的輸入來源為電視機或其他輸入來源。
CH +/-	在已記憶的頻道中向上或向下掃描。
VOL +/-	調整電視機的音量。

！ 注意

視是否已連接本機而定，您可能無法使用部分按鈕控制您的電視機。

器控制您的電視機

您可使用隨附的遙控器操作電視機。若下表有列出您使用的電視機，請設定正確的製造商代碼。

1. 按下 ⏻ (TV POWER) 鈕，並使用數字鈕按下電視機的製造商代碼（請參見下表）。

製造商	代碼編號
Pioneer	1 (預設)
Sony	2、3
Panasonic	4、5
Samsung	6、7
LG	8、9

2. 放開 ⏻ (電視機電源) 鈕，完成設定。

視您使用的電視機而定，即使輸入正確的製造商代碼後，仍有可能無法使用部分或所有電視機上的按鈕。更換遙控器的電池時，可能需要將已設定的代碼重設為預設值。再次設定正確的代碼。

區碼

從本清單中選擇區碼。

區域	代碼	區域	代碼	區域	代碼	區域	代碼
阿富汗	AF	斐濟	FJ	摩納哥	MC	新加坡	SG
阿根廷	AR	芬蘭	FI	蒙古	MN	斯洛伐克	SK
澳大利亞	AU	法國	FR	摩洛哥	MA	斯洛維尼亞	SI
奧地利	AT	德國	DE	尼泊爾	NP	南非	ZA
比利時	BE	英國	GB	荷蘭	NL	南韓	KR
不丹	BT	希臘	GR	荷屬安第列斯群島	AN	西班牙	ES
波利維亞	BO	格陵蘭	GL	紐西蘭	NZ	斯里蘭卡	LK
巴西	BR	香港	HK	奈及利亞	NG	瑞典	SE
柬埔寨	KH	匈牙利	HU	挪威	NO	瑞士	CH
加拿大	CA	印度	IN	阿曼	OM	臺灣	TW
智利	CL	印度尼西亞	ID	巴基斯坦	PK	泰國	TH
中國	CN	以色列	IL	巴拿馬	PA	土耳其	TR
哥倫比亞	CO	義大利	IT	巴拉圭	PY	烏干達	UG
剛果	CG	牙買加	JM	菲律賓	PH	烏克蘭	UA
哥斯大黎加	CR	日本	JP	波蘭	PL	美國	US
克羅埃西亞	HR	肯亞	KE	葡萄牙	PT	烏拉圭	UY
捷克	CZ	科威特	KW	羅馬尼亞	RO	烏茲別克	UZ
丹麥	DK	利比亞	LY	俄羅斯聯邦	RU	越南	VN
厄瓜多爾	EC	盧森堡	LU	沙烏地阿拉伯	SA	辛巴威	ZW
埃及	EG	馬來西亞	MY	塞內加爾	SN		
薩爾瓦多	SV	馬爾地夫	MV				
衣索比亞	ET	墨西哥	MX				

語言代碼清單

使用此清單輸入以下功能要使用的語言初始值：[光碟音訊]、[光碟字幕] 及 [光碟選單]。

語言	代碼	語言	代碼	語言	代碼	語言	代碼
阿法爾語	6565	法文	7082	立陶宛語	7684	信德語	8368
南非荷蘭語	6570	弗利然語	7089	馬其頓語	7775	錫蘭語	8373
阿爾巴尼亞語	8381	加里西亞語	7176	馬拉加西語	7771	斯洛伐克語	8375
衣索比亞語	6577	喬治亞語	7565	馬來語	7783	斯洛維尼亞語	8376
阿拉伯語	6582	德文	6869	馬來亞拉姆語	7776	西班牙語	6983
亞美尼亞語	7289	希臘語	6976	毛利語	7773	蘇丹語	8385
阿薩姆語	6583	格陵蘭語	7576	馬拉地語	7782	斯華西里語	8387
艾馬拉語	6588	瓜拉尼語	7178	摩爾達維亞語	7779	瑞典文	8386
亞塞拜然語	6590	古吉拉特語	7185	蒙古語	7778	塔加拉族語	8476
巴什噶爾語	6665	豪薩語	7265	諾魯語	7865	塔吉克語	8471
巴斯克語	6985	希伯來語	7387	尼泊爾語	7869	坦米爾語	8465
孟加拉語	6678	北印度語	7273	挪威語	7879	泰盧固語	8469
不丹語	6890	匈牙利語	7285	奧里雅語	7982	泰語	8472
比哈爾語	6672	冰島語	7383	旁遮普語	8065	東加語	8479
不列塔尼語	6682	印度尼西亞語	7378	帕施圖語、 普什圖語	8083	土耳其語	8482
保加利亞語	6671	人工國際語	7365	波斯語	7065	土庫曼語	8475
緬甸語	7789	愛爾蘭語	7165	波蘭文	8076	契維語	8487
白俄羅斯語	6669	義大利文	7384	葡萄牙文	8084	烏克蘭語	8575
中文	9072	日文	7465	蓋楚瓦語	8185	烏都語	8582
克羅埃西亞語	7282	坎那達語	7578	里托羅曼語	8277	烏茲別克語	8590
捷克文	6783	喀什米爾語	7583	羅馬尼亞語	8279	越南語	8673
丹麥語	6865	哈薩克語	7575	俄語	8285	沃拉普克語	8679
荷蘭文	7876	吉爾吉斯語	7589	薩摩亞語	8377	威爾斯語	6789
英文	6978	韓文	7579	梵語	8365	沃洛夫語	8779
世界語	6979	庫德語	7585	蘇格蘭蓋爾語	7168	科薩語	8872
愛沙尼亞語	6984	老撾語	7679	塞爾維亞語	8382	意第緒語	7473
法羅語	7079	拉丁語	7665	塞爾維亞- 克羅埃西亞語	8372	優魯巴語	8979
斐濟語	7074	拉脫維亞語、 列特語	7686	紹納語	8378	祖魯語	9085
芬蘭語	7073	林加拉語	7678				

商標及授權



Blu-ray Disc™、Blu-ray™、Blu-ray 3D™、BD-Live™、BONUSVIEW™ 及標誌為 Blu-ray Disc Association 的商標。



DVD 為 DVD Format/Logo Licensing Corporation 的商標。



Oracle 及 Java 為 Oracle 及/或其成員公司的註冊商標。其他名稱均為其各自的擁有者的商標。

HDMI

HDMI、HDMI 標誌及高清多媒體介面均為 HDMI 註冊公司在美國及其他國家的商標或註冊商標。



取得 Dolby Laboratories 的授權進行製造。Dolby 及雙 D 符號為 Dolby Laboratories 的商標。



DivX®、DivX® 認證及相關標誌為 DivX, Inc. 的商標，經授權使用。



在美國專利號的授權下製造：5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535; 7,392,195; 7,272,567; 7,333,929; 7,212,872 及其他美國和全球已發行及申請中的專利。DTS 及符號為註冊商標；DTS-HD、DTS-HD Master Audio | Essential 及 DTS 標誌為 DTS, Inc. 的商標。產品包括軟體。© DTS, Inc. 保留所有權利。



DLNA™、DLNA 標誌及 DLNA CERTIFIED™ 為 Digital Living Network Alliance 的商標、服務標章或認證標章。

x.v.Colour x.v.Color

“x.v.Colour”、x.v.Colour 及 x.v.Color 是 Sony Corporation 的商標。



「AVCHD」與「AVCHD」標誌為 Panasonic Corporation 及 Sony Corporation 的商標。



「為 iPod 而設」(Made for iPod) 及「為 iPhone 而設」(Made for iPhone) 代表該個電子配件乃分別是專為連接 iPod 或 iPhone 而設計，並且在符合 Apple 的表現標準方面獲發展商認可。對於此裝置的運作或此裝置是否按照安全及監管標準，Apple 不會負上任何責任。請留意，如配合 iPod 或 iPhone 使用本裝置，或會影響裝置的無線表現。

iPhone、iPod、iPod classic、iPod nano 及 iPod touch 是 Apple Inc. 在美國和其他國家的註冊商標。



藍牙® 無線技術允許電子器材在最多 10 米範圍內以無線電通訊。

使用藍牙無線技術連接個別裝置毋須繳費。

如備有藍牙無線技術的手機使用藍牙無線技術連線，則可透過 Cascade 操作。

藍牙字樣及標誌為 Bluetooth SIG, Inc. 所有，任何 Pioneer Corporation 所使用的字樣及標誌均已獲授權。

其他商標及商品名稱均為其各自的擁所有者所有。



YouTube™ 是 Google Inc 的註冊商標。



Picasa™ 網上相簿是 Google Inc 的商標。

本產品內含 Microsoft Corporation 所持有之技術，不得在未經授權下使用或散布。

影片輸出解析度

播放無版權保護的媒體時

視訊輸出 解析度	HDMI OUT	COMPONENT VIDEO OUT	
		有連接HDMI	中斷HDMI連線
576i	576p	576i	
576p	576p	576p	
720p	720p	720p	
1080i	1080i	1080i	
1080p/24 Hz	1080p / 24 Hz	576i	1080i
1080p / 50 Hz	1080p / 50 Hz	576i	1080i

播放有版權保護的媒體時

視訊輸出 解析度	HDMI OUT	COMPONENT VIDEO OUT	
		有連接HDMI	中斷HDMI連線
576i	576p	576i	
576p	576p	576i 或 576p	
720p	720p	576i 或 576p	
1080i	1080i	576i 或 576p	
1080p/24 Hz	1080p / 24 Hz	576i 或 576p	
1080p / 50 Hz	1080p / 50 Hz	576i 或 576p	

HDMI 輸出連線

- 若您手動選擇解析度，再連接HDMI孔至電視機，且您的電視機並不接受，會設定解析度的設定值為[自動]。
- 若您選擇電視機不支援的解析度，會出現警告訊息。變更解析度後，若您無法看到畫面，請等待 20 秒鐘，解析度會自動轉換為前一個解析度。
- 視相連電視機的能力與使用偏好，以及 BD-ROM 光碟內容的原始影片影格率，會將 1080p 影片的輸出影格率自動設定為 24 Hz 或 50 Hz。

色差端子輸出連線

藍光光碟、DVD視訊流可避免類比輸出內容出現升頻的情況。

視訊輸出連線

視訊輸出孔的解析度為 576i。


規格

一般	
電源需求	AC 110-240 V, 50/60 Hz
耗電	85 W (待機模式：低於 0.3 W)
尺寸 (W x H x D)	約 430 x 64 x 304 公釐
淨重 (概略值)	3.4 公斤
運作溫度	5 °C 到 35 °C
運作濕度	5 % 到 85 %

輸入／輸出	
VIDEO OUT	1.0 V (p-p), 75 Ω, sync negative, RCA 孔 x 1
COMPONENT VIDEO OUT	(Y) 1.0 V (p-p), 75 Ω, sync negative, RCA 孔 x 1 (Pb)/(Pr) 0.7 V (p-p), 75 Ω, RCA 孔 x 2
HDMI IN/OUT (影片／聲音)	19 pin (類型 A, HDMI™ Connector)
ANALOG AUDIO IN	2.0 Vrms (1 kHz, 0 dB), 600 Ω, RCA 孔 (L, R) x 1
DIGITAL IN (OPTICAL)	3 V (p-p), 光纖孔 x 1
PORTABLE IN	0.5 Vrms (3.5 mm 立體聲孔)

選台器	
FM 調諧範圍	87.5 至 108.0 MHz

擴大機	
功率輸出 (RMS)	
總功率	560 W
前置	180 W x 2 (1 kHz, 4 Ω, THD 10 %)
超低重音喇叭	200 W (100 Hz, 3 Ω, THD 10 %)

系統	
雷射	半導體雷射
波長	405 nm / 650 nm
訊號系統	標準 PAL/NTSC 彩色電視機系統
頻率回應	20 Hz 至 18 kHz (48 kHz、96 kHz、192 kHz 採樣率)
諧波失真	低於 0.05 %
動態範圍	高於 80 dB
網路埠	乙太網路孔 x 1, 10BASE-T / 100BASE-TX
匯流排電源供應器 (USB)	DC 5 V  500 mA

喇叭 HTZ-HW919BD			
S-BD919HW			
• 前置揚聲器			
類型	雙向	淨尺寸 (W x H x D)	900 x 66 x 93 公釐
額定阻抗	4 Ω	淨重	1.6 公斤
S-BD808SW			
• 超低重音喇叭			
類型	單向1	淨尺寸 (W x H x D)	130.5 x 420 x 375 公釐
額定阻抗	3 Ω	淨重	4.4 公斤

- 本公司保留變更設計及規格的權利，恕不事先通知。

維護

搬運本機

運送本機時

請保留原始運送用的紙箱及包裝材料。若您需要運送本機，為求有最大的保護，請將本機重新包裝為出廠時的模樣。

保留外部表面的乾淨

- 請勿在本機附近使用殺蟲劑等揮發液體。
- 使用重力來擦拭可能會損壞表面。
- 請勿使橡膠或塑膠製品長時間接觸本機。

清潔本機

請使用柔軟的乾布清潔播放器。若表面沾染過多髒汙，請使用微濕的軟布沾上溫和的去污劑清潔。請勿使用酒精、揮發油、稀釋劑等溶劑，可能會損壞本機表面。

維護本機

本機為高科技精密裝置。若光學讀取頭和光碟機的零件已髒汙或磨損，畫質會變差。請洽詢您最近的授權服務中心，瞭解相關詳情。

光碟注意事項

拿取光碟

請勿接觸到光碟的播放面。請拿取光碟的邊緣，指紋才不會留在表面上。請勿在光碟上黏貼紙張或膠帶。

儲存光碟

播放後，請將光碟置於光碟盒中。請勿將光碟置於會直接曬到陽光或熱源處，且勿置於會直曬到陽光的停放車輛中。

清潔光碟

光碟上的指紋和灰塵會造成畫質變差及聲音失真。請於播放前，使用乾淨的布清潔光碟。從中心向外擦拭光碟。

請勿使用酒精、揮發油、稀釋劑、商用清潔劑或黑膠唱片用的抗靜電噴劑等溶劑。

有關網路服務的重要資訊

由第三者提供或經第三者（以下簡稱“服務提供者”）獲得之任何資訊、資料、文件、信函、下載、檔案、文字、影像、圖片、圖形、視訊、網路廣播、出版品、工具、資源、軟體、代碼、程式、小程式、小工具、應用程式、產品及其他內容（以下簡稱“內容”）及任何服務及產品（以下簡稱“服務”）均為各該服務提供者之唯一責任。

對服務提供者經由 PIONEER Device 所提供之內容及服務之存在及使用變更，恕不另行通知。變更範圍包括但不限於全部或部份內容或服務之暫停、取消或停止。

對內容或服務如有任何查詢或疑慮，請參考服務提供者網站上的最新資訊。PIONEER 對內容及服務相關之客戶服務不負責也不承擔責任。有關內容或服務的任何問題或服務請求，均應直接向內容或服務供應商提出。

請注意，PIONEER 對服務提供者所提供之任何內容或服務，或其相關之任何變更、取消、或終止不負任何責任，且不保固或保證此類內容或服務之存在或使用。

軟件授權通知

本播放器使用的開放源碼軟件授權可於本文件最後部分找到。

Software License Notice

軟體協議通知

本播放機使用之開放原始碼軟體協議顯示如下。基於正確性的目的，我們在此加入原始文字（英文）。

The following GPL executables and LGPL libraries used in this product are subject to the GPL2.0/LGPL2.1 License Agreements:

GPL EXECUTABLES: Linux kernel, bash, busybox, dhcpcd, e2fsprogs, fdisk, msdl-1.1, mtd-utils, net-tools, procpss, psmisc, samba-3.0.25b, sysutils, tftpd, tinyloggin, unzip, uteletd

LGPL LIBRARIES: avahi, ATK, uClibc, DirectFB, cairo, ffmpeg, gail, glib, gnuTLS, GTK+, iconv, libcrypto, libdaemon, libgpg-error, libsoup, libintl, mpg123, pango, PyEnchant, webkit

gSOAP Public License 1.3 LIBRARY:
gsoap

You can get corresponding open source code from the following URL.

<http://www.oss-pioneer.com/homeav/hts/>

We are unable to answer any question about the source code for the open source software.

This product includes

- Crypt Data Packaging : Copyright © Trantor Standard Systems Inc., 2001
- curl: copyright © 1996 - 2008, Daniel Stenberg
- expat: copyright © 2006 expat maintainers
- fontconfig :
 - Copyright © 2000 Keith Packard
 - Copyright © 2005 Patrick Lam
- freetype: copyright © 2003 The FreeType Project (www.freetype.org).
- International Components for Unicode: copyright © 1995-2010 International Business Machines Corporation and others
- jpeg : This software is based in part on the work of the Independent JPEG Group copyright © 1991 - 1998, Thomas G. Lane.
- JSON : Copyright © 2005 JSON.org
- lighttpd : Copyright © 2004, Jan Kneschke, incremental
- mng: copyright © 2000-2007 Gerard Juny, Glenn Randers-Pehrson
- ntp : copyright © David L. Mills 1992-2006
- OpenSSL:
 - cryptographic software written by Eric Young (ey@cryptsoft.com).
 - software written by Tim Hudson (tjh@cryptsoft.com).
 - software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org>)
- pcre : Copyright © 1997-2010 University of Cambridge
- PHP : Copyright © 1999 - 2010 The PHP Group
- pixman :

- Copyright 1987, 1988, 1989, 1998 The Open Group
- Copyright 1987, 1988, 1989 Digital Equipment Corporation
- Copyright 1999, 2004, 2008 Keith Packard
- Copyright 2000 SuSE, Inc.
- Copyright 2000 Keith Packard, member of The XFree86 Project, Inc.
- Copyright 2004, 2005, 2007, 2008 Red Hat, Inc.
- Copyright 2004 Nicholas Miell
- Copyright 2005 Lars Knoll & Zack Rusin, Trolltech
- Copyright 2005 Trolltech AS
- Copyright 2007 Luca Barbato
- Copyright 2008 Aaron Plattner, NVIDIA Corporation
- Copyright 2008 Rodrigo Kumpera
- Copyright 2008 André Tupinambá
- Copyright 2008 Mozilla Corporation
- Copyright 2008 Frederic Plourde
- Copyright 2009 Sun Microsystems, Inc.

- png: copyright © 2004 Glenn Randers-Pehrson
- portmap : copyright © 1990 The Regents of the University of California
- Protocol Buffer : Copyright 2008, Google Inc.
- tiff :
 - Copyright © 1988-1997 Sam Leffler
 - Copyright © 1991-1997 Silicon Graphics, Inc.
- tinymce : Original file by Yves Berquin.
- UnitTest++ : copyright © 2006 Noel Llopis and Charles Nicholson
- UPnP SDK : copyright © 2000-2003 Intel Corporation
- xml2 : copyright © 1998-2003 Daniel Veillard
- xslt :
 - Copyright © 2001-2002 Daniel Veillard.
 - Copyright © 2001-2002 Thomas Broyer, Charlie Bozeman and Daniel Veillard.
- WPA Supplicant : Copyright © 2003-2007, Jouni Malinen <j@w1.fi> and contributors
- zlib: copyright © 1995-2002 Jean-loup Gailly and Mark Adler.

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright © 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it. For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that

you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps:

(1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations. Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you". Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty;

and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
 - a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
 - b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
 - c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
 - a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
 - b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
 - c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as

expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program. If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances. It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of

protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice. This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN

OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms. To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and an idea of what it does.>

Copyright © <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright ©
year name of author
```

```
Gnomovision comes with ABSOLUTELY
NO WARRANTY; for details type `show
w'. This is free software, and you are
welcome to redistribute it under
certain conditions; type `show c' for
details.
```

The hypothetical commands ``show w'` and ``show c'` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than ``show w'` and ``show c'`; they could even be mouse-clicks or menu items--whatever suits your program. You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all
copyright interest in the program
`Gnomovision' (which makes passes at
compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the [GNU Lesser General Public License](#) instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright © 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed

to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some

libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library. We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the

copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library. You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
 - a) The modified work must itself be a software library.

- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful. (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License,

version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange. If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License. However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the Library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables. When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law. If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the

use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications. You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
- Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
 - Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

- Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

- You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
 - Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
 - Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
- You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However,

parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

- You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
- Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.
- If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library. If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances. It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide

range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice. This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.
14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License). To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and an idea of what it does.>

Copyright © <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free

Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail. You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

Published by Pioneer Corporation.
Copyright © 2011 Pioneer Corporation.
All rights reserved.

PIONEER CORPORATION

1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, Japan

PIONEER ELECTRONICS (USA) INC.

P.O. BOX 1540, Long Beach, California 90801-1540, U.S.A. TEL: (800) 421-1404

PIONEER ELECTRONICS OF CANADA, INC.

340 Ferrier Street, Unit 2, Markham, Ontario L3R 2Z5, Canada TEL: 1-877-283-5901, 905-479-4411

PIONEER EUROPE NV

Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium TEL: 03/570.05.11

PIONEER ELECTRONICS ASIACENTRE PTE. LTD.

253 Alexandra Road, #04-01, Singapore 159936 TEL: 65-6472-7555

PIONEER ELECTRONICS AUSTRALIA PTY. LTD.

5 Arco Lane, Heatherton, Victoria, 3202, Australia, TEL: (03) 9586-6300

PIONEER ELECTRONICS DE MEXICO S.A. DE C.V.

Blvd.Manuel Avila Camacho 138 10 piso Col.Lomas de Chapultepec, Mexico, D.F. 11000 TEL: 55-9178-4270