

BCS-424 BCS-222 BCS-FS121

Blu-ray Disc surround system
Système Home-Cinéma Blu-ray Disc
Blu-ray Disc Mehrkanal-System
Sistema surround con lettore Blu-ray Disc
Blu-ray Disc multikanaals systeem
sistema surround de Blu-ray Disc

XV-BD422B XV-BD122B XV-BD122FSB

Blu-ray Disc receiver
Système Home-Cinéma Blu-ray Disc
Blu-ray Disc Receiver
Sintoamplificatore con predisposizione Blu-ray Disc
Blu-ray Disc receiver
receptor de Blu-ray Disc

S-BD422 S-BD122 S-BD122FS

Speaker System
Enceintes acoustiques
Lautsprechersystem
Sistema di diffusori
Luidsprekersysteem
Sistemas de parlantes

ENGLISH

FRANÇAIS

DEUTSCH

ITALIANO

NEDERLANDS

ESPAÑOL

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Operating instructions
Mode d'emploi
Bedienungsanleitung
Istruzioni per l'uso
Handleiding
Manual de instrucciones

Safety Information

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

IMPORTANT



The 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.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

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



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 appliance.

D3-4-2-1-1_A1_En

CAUTION

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

CLASS 1 LASER PRODUCT

D58-5-2-2a_A1_En

WARNING

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

D3-4-2-1-3_A1_En

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.

D3-4-2-1-4*_A1_En

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.

D3-4-2-1-7b*_A1_En

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)

D3-4-2-1-7c*_A1_En

If the AC plug of this unit does not match the AC outlet you want to use, the plug must be removed and appropriate one fitted. Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel. If connected to an AC outlet, the cut-off plug can cause severe electrical shock. Make sure it is properly disposed of after removal. The equipment should be disconnected by removing the mains plug from the wall socket when left unused for a long period of time (for example, when on vacation).

D3-4-2-2-1a_A1_En

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).

D3-4-2-2-2a*_A1_En

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.

K041_A1_En

POWER-CORD CAUTION

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

S002*_A1_En

WARNING

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

D3-4-2-1-7a_A1_En

Information for users on collection and disposal of old equipment and used batteries

(Symbol for equipment)



(Symbol examples for batteries)



Pb

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

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

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

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

These symbols are only valid in the European Union.

For countries outside the European Union:

If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

K058a_A1_En

Cautions on 3D Viewing

- If you should experience any fatigue or discomfort while viewing 3D images, stop viewing them.
- Children, particularly those under 6, may be more prone to sensitivity, so guardians should watch for any signs of fatigue or discomfort.
- When viewing 3D images, rest periodically.
Extended viewing of 3D images without rest periods could cause fatigue or discomfort.

Notes on Copyrights

- Because AACS (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 AACS 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 AACS 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 AACS, 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.

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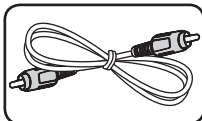
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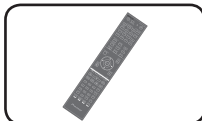
Chapter 1 Before you start

Introduction

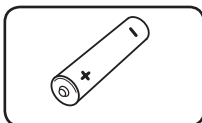
Supplied accessories



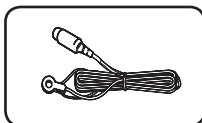
Video cable (1)



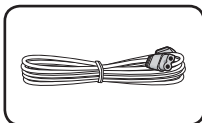
Remote control (1)



Battery (2)



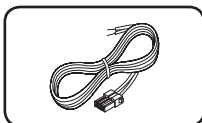
FM antenna (1)



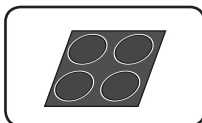
Power cord

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Accessories of speaker box (BCS-424)



Speaker cables (4)



Non-skid pads (1)

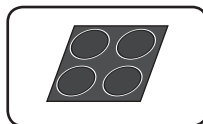


Screws M4 x 16 (16)
(They are used to fix to the
base and lower cabinet.)

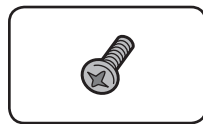


Screws M4 x 12 (8)
(They are used to fix the
upper and lower cabinet.)

Accessories of speaker box (BCS-222)

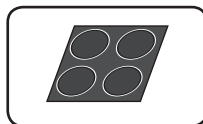


Non-skid pads (5)

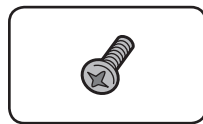


Screws M3.5x12
[Taping type] (4)
(These screws are used
to fix the speakers to the
stands.)

Accessories of speaker box (BCS-FS121)



Non-skid pads (2)



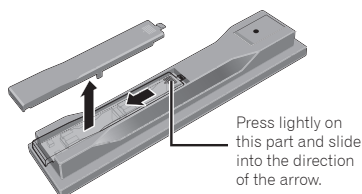
Screws M3.5x12
[Taping type] (2)
(These screws are used
to fix the speakers to the
stands.)

WARNING

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

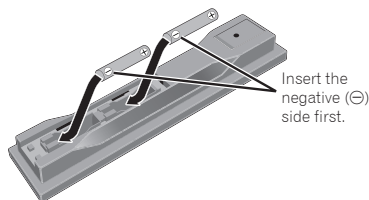
Putting the batteries in the remote control

1. Open the rear cover.



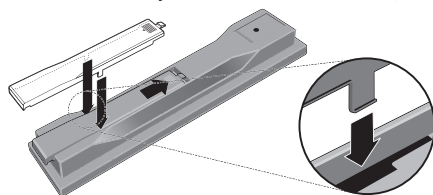
2. Insert the batteries (AAA/R03 x 2).

Insert as indicated by the $\oplus/\ominus$ marks into the battery compartment.



3. Close the rear cover.

Close securely (a click should be heard).



The batteries included with the player have been provided to allow you to check product operation and may not last long. We recommend using alkaline batteries that have a longer life.

! WARNING

- 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.

! Caution

- Do not use any batteries other than the ones specified. Also, do not use a new battery together with an old one.
- When loading the batteries into the remote control, set them in the proper direction, as indicated by the polarity marks ($\oplus$ and $\ominus$).
- Do not heat batteries, disassemble them, or throw them into flames or water.
- Batteries may have different voltages, even if they look similar. Do not use different kinds of batteries together.
- To prevent leakage of battery fluid, remove the batteries if you do not plan to use the remote control for a long period of time (1 month or more). If the fluid should leak, wipe it carefully off the inside of the case, then insert new batteries. If a battery should leak and the fluid should get on your skin, flush it off with large quantities of water.
- When disposing of used batteries, please comply with governmental regulations or environmental public institution's rules that apply in your country/area.

Software update

Product information on this player is provided on the Pioneer website. Check this website for update and service information on your Blu-ray disc player.

IN Europe:

<http://www.pioneer.eu/>

IN U.K.:

<http://www.pioneer.eu/>
<http://www.pioneer.co.uk/>

IN Russia:

<http://www.pioneer.eu/>
<http://www.pioneer-rus.ru/>

IN Hong Kong:

<http://www.pioneerhongkong.com.hk/>

IN Singapore:

<http://www.pioneer.com.sg/firmwaredownload>

IN Australia:

<http://www.pioneer.com.au/>

Types of discs/files that can be played

Playable discs

Discs with the logo marks below indicated on the disc label, package or jacket can be played.



Caution

- Only the discs that have been finalized can be played.

Disc type	Logo	Application format					
		BDMV	BD-VR	DVD-Video	DVD VR	CD-DA DTS-CD	DATA-DISC ¹
BD ²	BD-ROM	✓	✓	✗	✗	✗	✗
	BD-R	✓	✓	✗	✗	✗	✗
	BD-RE	✓	✓	✗	✗	✗	✗
DVD							
	DVD-ROM	✓	✗	✓	✗	✗	✓
							
	DVD-R ^{2,3,4}	✓ ⁶	✓ ⁷	✓	✓	✗	✓
	DVD-RW ^{3,7}	✓ ⁶	✓ ⁷	✓	✓	✗	✓
	DVD+R ^{2,3}	✓	✗	✓	✗	✗	✓
	DVD+RW ³	✓	✗	✓	✗	✗	✓
CD							
	CD-DA (Audio CD) ⁸	✗	✗	✗	✗	✓	✗
							
	CD-R ³	✗	✗	✗	✗	✓	✓
	CD-RW ³	✗	✗	✗	✗	✓	✓
	CD-ROM	✗	✗	✗	✗	✓	✓

1. Discs on which video, image or audio files are recorded. This player does not support multisession discs or multiborder recording.

2. Including dual-layered discs.

3. Finalize them before playing them on this player.

4. DVD-R for Authoring discs (3.95 and 4.7 GB) cannot be played.

5. Including the AVCHD format.

6. Including the AVCREC format.

7. Version 1.0 DVD-RW discs cannot be played.

8. Including Video CDs.

- "Blu-ray Disc", "Blu-ray" and "Blu-ray Disc" logo are trademarks of Blu-ray Disc Association.
-  is a trademark of DVD Format/Logo Licensing Corporation.

❖ Discs that cannot be played

- HD DVDs
- DVD-RAM discs

It is possible that some discs other than the ones listed above may not be playable either.

! Note

- Some discs cannot be played, even if one of the logo marks on the previous page is indicated.
- To play 8 cm discs, set the disc in the 8 cm disc depression in the center of the disc tray. No adapter is necessary. 8 cm BD-ROMs cannot be played.

❖ About playback of unauthorized copies

Cinavia Notice

This product uses Cinavia technology to limit the use of unauthorized copies of some commercially-produced film and videos and their soundtracks. When a prohibited use of an unauthorized copy is detected, a message will be displayed and playback or copying will be interrupted.

More information about Cinavia technology is provided at the Cinavia Online Consumer Information Center at <http://www.cinavia.com>. To request additional information about Cinavia by mail, send a postcard with your mailing address to: Cinavia Consumer Information Center, P.O. Box 86851, San Diego, CA, 92138, USA.

Copyright 2004-2010 Verance Corporation. Cinavia™ is a Verance Corporation trademark. Protected by U.S. Patent 7,369,677 and worldwide patents issued and pending under license from Verance Corporation. All rights reserved.

❖ About audio formats

The following audio formats are supported on this player:

- Dolby TrueHD
- Dolby Digital Plus
- Dolby Digital
- DTS-HD Master Audio
- DTS-HD High Resolution Audio
- DTS Digital Surround
- MPEG audio (AAC)
- Linear PCM

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

Manufactured under license under U.S. Patent Nos: 5,956,674; 5,974,380; 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-HD, the Symbol, & DTS-HD and the Symbol together are registered trademarks & DTS-HD Master Audio | Essential is a trademark of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

❖ Playing BDs

- BDs (BDMV) compatible with the formats below can be played.
 - Blu-ray Disc Read-Only (ROM) Format Version 2
 - Blu-ray Disc Recordable (R) Format Version 2
 - Blu-ray Disc Rewritable (RE) Format Version 3

This player supports BD-ROM Profile 5.



"Blu-ray 3D" and "Blu-ray 3D" logo are trademarks of Blu-ray Disc Association.

BONUSVIEW functions such as playback of secondary video (Picture-in-Picture) and secondary audio can be used. The data used with the BONUSVIEW functions (the secondary video (Picture-in-Picture) and secondary audio data) may be stored in the storage. For details on secondary video and secondary audio playback, refer to the disc's instructions.

BONUSVIEW™

"BONUSVIEW" is trademark of Blu-ray Disc Association.

BD-LIVE functions such as downloading movie trailers or additional audio and subtitle languages and playing on-line games can be enjoyed over the Internet. The data downloaded with the BD-LIVE function (trailers, etc.) is stored in the storage. Refer to the disc's instructions for details about BD-LIVE functions.



"BD-LIVE" logo is trademark of Blu-ray Disc Association.

With BD-ROMs, it is possible to use BD-J (Java) applications to create highly interactive titles, for example including games.



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

- BDs (BD-AV) compatible with the formats below can be played.
 - Blu-ray Disc Recordable (R) Format Version 1
 - Blu-ray Disc Rewritable (RE) Format Version 2

❖ Playing DVDs



This label indicates playback compatibility with DVD-RW discs recorded in VR format (Video Recording format). However, for discs recorded with a record-only-once encrypted program, playback can only be achieved using a CPRM compatible device.

The AVCHD is a high definition (HD) digital video camera recorder format recording high-definition onto certain media by using highly efficient codec technologies.



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

❖ About region numbers

Blu-ray Disc Player and BD-ROM or DVD-Video discs are assigned region numbers according to the region in which they are sold.

This player's region numbers are:

- BD-ROM:
 - Europe, Australia and New Zealand models: B
 - Russia models: C
 - Others: A
- DVD-Video:
 - Europe models: 2
 - Australia and New Zealand models: 4
 - Russia models: 5
 - Others: 3

Discs not including these numbers cannot be played. Discs playable on this player are as shown below.

- BDs:
 - Europe, Australia and New Zealand models: B (including B) and ALL
 - Russia models: C (including C) and ALL
 - Others: A (including A) and ALL
- DVDs:
 - U.K. models: 2 (including 2) and ALL
 - Australia and New Zealand models: 4 (including 4) and ALL
 - Russia models: 5 (including 5) and ALL
 - Others: 3 (including 3) and ALL

❖ Playing CDs

Regarding copy protected CDs: This player is designed to conform to the specifications of the Audio CD format. This player does not support the playback or function of discs that do not conform to these specifications.

❖ DualDisc playback

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

The DVD side of a DualDisc can be played on this player.

The non-DVD, audio side of the disc is not compatible with this player.

It is possible that when loading or ejecting a DualDisc, the opposite side to that being played will be scratched. Scratched discs may not be playable.

For more detailed information on the DualDisc specification, please refer to the disc manufacturer or disc retailer.

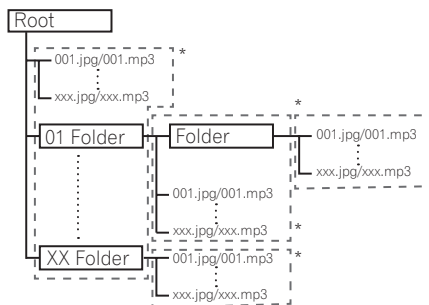
❖ Playing discs created on computers or BD/DVD recorders

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

❖ About video, audio, and image files and folders

Audio and image files can be played on this player when the folders on the disc or USB device are created as described below.

Example of folder structure:



- * The number of folders and files within a single folder (including the root directory) is limited to a maximum of 256. Also, keep the number of folder layers to a maximum of 5.

! Note

- The file and folder names displayed on this player may differ from those displayed on a computer.

Playable files

Video, image and audio files recorded on DVDs, CDs or USB devices can be played.

! Caution

- In DVD, only the one recorded by the ISO 9660 file system can be played.
- Some files may not be playable.
- For some files, it may not be possible to use certain functions during playback.
- It may not be possible to play some files, even if they have the extension of a file playable on this player.
- Files protected by DRM (Digital Rights Management) cannot be played (not including DivX VOD files).

❖ Supported video file formats

• DivX Plus HD

DivX Certified® to play DivX® and DivX Plus™ HD (H.264/MKV) video up to 1080p HD including premium content.

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

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



DivX®, DivX Certified®, DivX Plus™ HD and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.

! Note

- This DivX® Certified device must be registered in order to play DivX Video-on-Demand (VOD) content. First generate the DivX VOD registration code for your device and submit it during the registration process. Important: DivX VOD content is protected by a DivX DRM (Digital Rights Management) system that restricts playback to registered DivX Certified devices. If you try to play DivX VOD content not authorized for your device, the message **Authorization Error** will be displayed and your content will not be played. Learn more at www.divx.com/vod.
- This player's DivX VOD registration code can be checked at **HOME MENU → Initial Setup → Playback → DivX(R) VOD DRM → Registration Code** (page 60).
- The number of views is restricted for some DivX VOD files. When such files are played on this player, the remaining number of views is displayed. Files for which the remaining number of views has reached 0 cannot be played (**This DivX rental has expired is displayed**). Files for which the number of views is not restricted can be played as many times as you like (the remaining number of views is not displayed).

❖ Table of Playable Files

Playable files (Extensions)	Playable media			File specifications
	BD-R/RE/-R DL/ RE DL/-R LTH, DVD-R/RW/-R DL/ +R/+RW/+R DL, CD-R/RW	USB devices ¹	Network ²	
MP3 (.mp3)	✓	✓	✓	Sampling frequencies: Up to 48 kHz Bit rate: Up to 320 kbps Audio type: MPEG-1 Audio Layer 3
WMA (.wma)	✓	✓	✓	Sampling frequencies: Up to 48 kHz Bit rate: Up to 192 kbps Audio type: WMA version 9
LPCM (.wav)	✓	✓	✓	Sampling frequencies: Up to 192 kHz Quantization bitrate: 16 bit Channel: 2ch
FLAC (.flac)	✓	✓	✗	Sampling frequencies: Up to 192 kHz Quantization bitrate: 16 bit, 24 bit Channel: 2ch
JPEG (.jpg/.jpeg)	✓	✓	✓	Maximum resolution: 4 000 x 3 000 pixels
DivX (.avi/.divx/.mkv)	✓	✓	✓	Supported versions: Through DivX® PLUS HD Maximum resolution: Up to 1 920 x 1 080 (DivX® PLUS HD) Up to 1 280 x 720 (MKV)
MP4 (.mp4)	✓	✓	✓	Maximum resolution: Up to 1 920 x 1 080 Video: MPEG4, MPEG-4 AVC (level 4.1) Audio: AAC, MP3
WMV (.wmv)	✓	✓	✓	Maximum resolution: Up to 1 280 x 720 Video: WMV9, WMV9AP (VC-1) Audio: WMA
AVI (.avi)	✓	✓	✓	Maximum resolution: Up to 1 920 x 1 080 Video: MPEG4 Audio: MP3, AAC, AC-3

1. This unit supports FAT16, FAT32 and NTFS file systems.

2. A requirement for playing files as a DMP. For details, see page 48.

! Note

- Depending on the file structure and server capacity, it may not be possible to play certain files, even for files indicated on the table of playable files above.
- Copyright-protected files and contents recorded from digital broadcasts (satellite, cable or digital terrestrial) cannot be played via LAN.
- Files protected by DRM (Digital Rights Management) cannot be played.
- AVCHD contents cannot be played via LAN.

Trademarks and licenses

HDMI

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



Manufactured under license under U.S. Patent Nos: 5,956,674; 5,974,380; 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-HD, the Symbol, & DTS-HD and the Symbol together are registered trademarks & DTS-HD Master Audio | Essential is a trademark of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

x.v.Colour x.v.Color

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



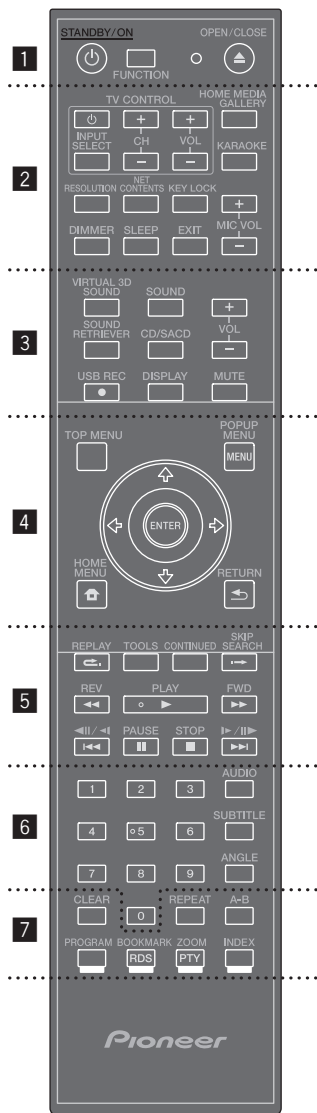
YouTube™ is a trademark of Google Inc.



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.

Remote control



• • • • • **1** • • • • •

⏻ (STANDBY/ON): Press to turn the power on and off.

FUNCTION: Changes the input source or function.

When switching while viewing the display window on the player

1. The input source switches every time the **FUNCTION** is pressed.
2. Select the desired input source and press **ENTER**.

When switching while viewing the TV monitor

1. Press **FUNCTION** to display the [Source Menu].
2. The input source switches every time the **FUNCTION** is pressed. You can also use the cursor **⬅️/➡️** to switch the input source.
3. Select the desired input source and press **ENTER**.

* The Source Menu screen can also be displayed by [HOME MENU] → [Source Menu] and pressing **ENTER**.

The **FUNCTION** button switches the input source for the [Source Menu]. Select **Home Media Gallery** to playback disc. (page 39)

⏮ OPEN/CLOSE: Opens and closes the disc tray.

• • • • • **2** • • • • •

TV Control Buttons: See page 37.

HOME MEDIA GALLERY: See page 48.

KARAOKE: Press to display the Karaoke Settings screen.

RESOLUTION: Sets the output resolution for HDMI (See page 59).

NET CONTENTS: Enhances the picture quality of network video contents.

KEY LOCK: See page 18.

MIC VOLUME: Adjust mic volume.

DIMMER: Dims the light on the unit.

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

EXIT: See page 52.

• • • • • **3** • • • • •

VIRTUAL 3D SOUND: Switch VIRTUAL 3D SOUND effects (See page 57).

SOUND: Switches to Sound settings (See page 57).

VOL +/- : Adjusts speaker volume.

SOUND RETRIEVER: Switches Sound Retriever setting (See page 57).

CD/SACD: See page 43.

● **USB REC**: Records an audio.

DISPLAY: Displays or exits On- Screen Display.

MUTE: Mute the unit.

• • • • • **4** • • • • •

TOP MENU: Press to display the top menu of the BD-ROM or DVD-Video.

POPUP MENU/MENU: Press to display the BD-ROM or DVD-Video menus.

⬆/⬇/⬅/➡ (**up/ down/ left/ right**): Used to navigate on-screen displays.

ENTER: Acknowledges menu selection.

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

↩ **RETURN**: Press to return to the previous screen.

• • • • • **5** • • • • •

REPLAY: Press to jump back 10 seconds when **⏮. REPLAY** is pressed during playback.

TOOLS: See page 46.

CONTINUED: Use to continue playback from a specified position.

SKIP SEARCH: Press to skip 30 seconds ahead when **➡ SKIP SEARCH** is pressed during playback.

⏮/⏪/⏩/⏭, ⏮/⏭/⏭/⏭: See page 40.

PLAY (▶): Starts playback.

REV/FWD (⏮/⏭): See page 40.

PAUSE (⏮): Pauses playback.

STOP (■): Stops playback or recording.

• • • • • **6** • • • • •

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

AUDIO: See page 43.

SUBTITLE: See page 42.

ANGLE: See page 42.

• • • • • **7** • • • • •

CLEAR: Press to clear the numeric number, etc.

REPEAT: See page 40.

A-B: See page 40.

Color buttons: Use these to navigate BD-ROM menus.

PROGRAM: Registers FM radio stations.

BOOKMARK (RDS): Create a BOOKMARK (See page 41). When FM TUNER is selected, switches RDS information (See page 54).

ZOOM (PTY): Will zoom in or zoom out. When this button is pressed while the FM tuner is selected, the PTY value will switch.

INDEX: Slideshow playback (See page 42).

❖ Keylock function

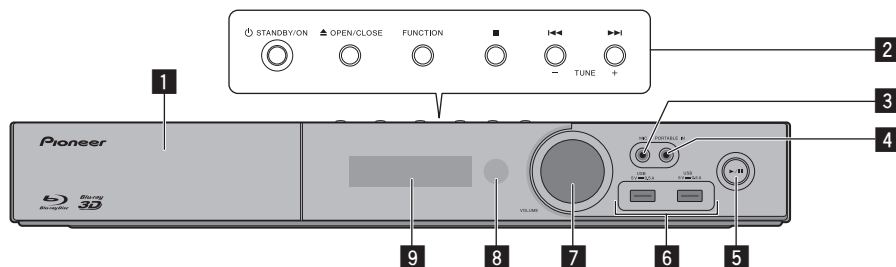
You can set the keylock to prevent accidental operations.

This function allows TVs compatible with control function with HDMI to also perform a Key Lock on the player.

Press and hold **KEYLOCK** for more than 2 seconds.

- Each time you perform this operation, the function is activated or deactivated.
- If you try to operate the player while the keylock function is set, LOCK lights on the front panel display.

Front panel



1 Disc tray

2 Operation buttons

⏻ (STANDBY/ON)

Switches the unit ON or OFF.

! Note

If the power does not turn OFF, pressing the ⏻ (STANDBY/ON) button for more than 5 seconds reboots the unit and the operation becomes possible.

▲ (OPEN/CLOSE)

FUNCTION

Changes the input source or function.

When switching while viewing the display window using the button on the front panel

1. The input source switches every time the **FUNCTION** is pressed.
2. Select the desired input source and press **▶/II (PLAY/PAUSE)**.

The **FUNCTION** button switches the input source for the [Source Menu]. Select **Home Media Gallery** to playback disc. (page 39)

■ (STOP)

⏮/⏭ (SKIP)

- TUNE + (Radio tuning)

3 MIC

4 PORTABLE IN

5 ▶/II (PLAY/PAUSE)

6 USB port

7 Volume control

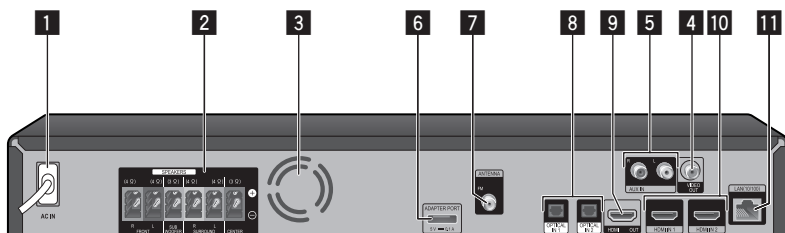
8 Remote control sensor

Point the remote control to this, then operate it within approximately 7 m. The player may have trouble capturing remote control signals if there is a fluorescent light nearby. If this happens, move the player away from the fluorescent light.

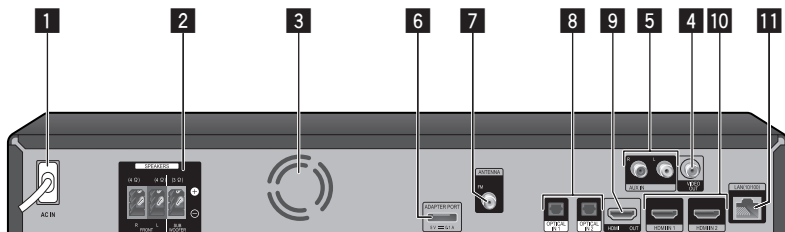
9 Display Window

Rear panel

BCS-424/BCS-222



BCS-FS121



- | | |
|--|--|
| <p>1 AC IN</p> <p>Plug into the power source.</p> <p>2 SPEAKERS connectors</p> <p>3 Cooling Fan</p> <p>4 VIDEO OUT</p> <p>5 AUX IN (L/R)</p> <p>6 ADAPTER PORT</p> | <p>7 Antenna Connector</p> <p>8 OPTICAL IN 1/2</p> <p>9 HDMI OUT</p> <p>10 HDMI IN 1/2</p> <p>11 LAN port</p> |
|--|--|

Chapter 2

Connecting

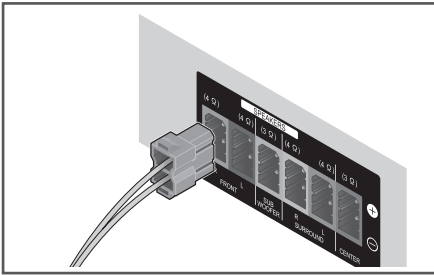
Assemble the speakers

Speaker setup for BCS-424

Preparing the speakers

1. Connect the wires to the player.

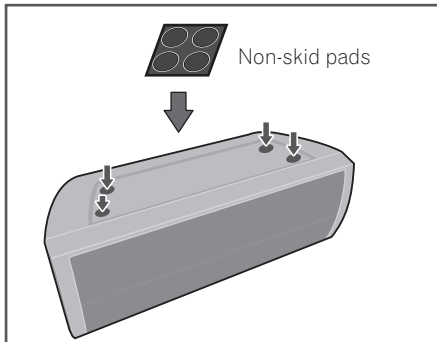
Insert the cables connected to the player to the same colored connector on the speaker.



! Caution

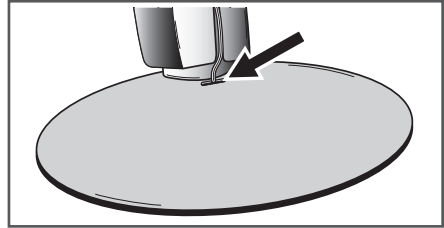
- These speaker terminals carry HAZARDOUS LIVE voltage. To prevent the risk of electric shock when connecting or disconnecting the speaker cables, disconnect the power cord before touching any uninsulated parts.
- Do not connect any speakers other than those supplied to this system.
- Do not connect the supplied speakers to any amplifier other than the one supplied with this system. Connection to any other amplifier may result in malfunction or fire.

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

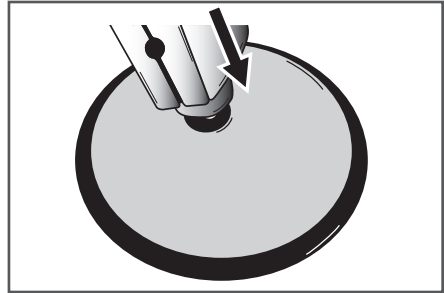


3. Mount the front/surround speaker.

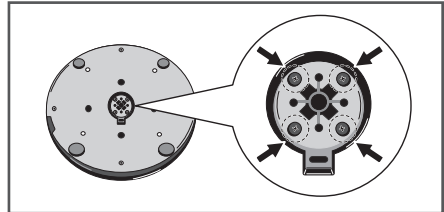
- ① Pass the speaker cable through the cable hole on the side of the base.



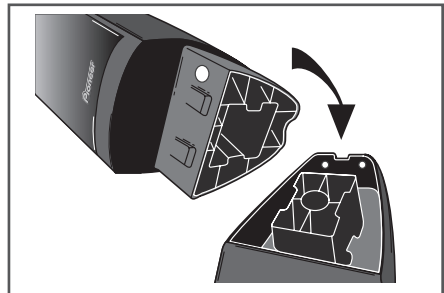
- ② Insert the lower cabinet to the base so that the cable hole is positioned at the backside.



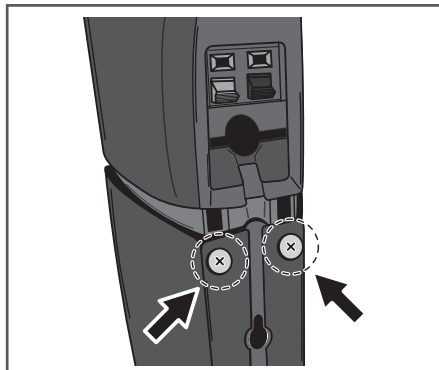
- ③ Fix the base to the lower cabinet from the underside, using the four screws (M4 x 16).



- ④ Insert the upper cabinet to the lower cabinet.



- ⑤ Fix the upper cabinet and the lower cabinet from the backside of the speaker using the two screws (M4 x 12).

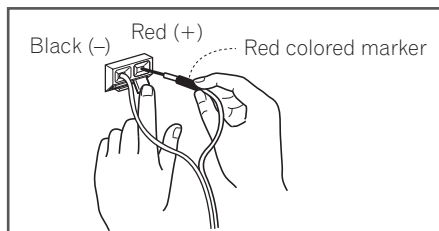


Caution

- Be careful not to tighten screws excessively. If excessive force is used to tighten screws, the threads of screw and/or nut may be damaged. Use a middle-sized manual screwdriver during assembly. Do not use power screwdrivers or oversized screwdrivers that may exert excessive force on the screws and nuts. Confirm that no foreign matter is stuck to the base or the lower cabinet during assembly. If the unit is assembled with foreign matter stuck between the base and lower cabinet, the unit may not be assembled securely, resulting in tipping or falling.
- Do not stand on the speaker stand base of the tall speaker to push or swing the speaker. The speaker may fall and break, or someone may be injured. Pay special attention to children.

Connecting the cord

1. Attach one end of the supplied speaker cord to the rear of the each speaker.
Connect the wire with the colored marker to the red (+) terminal; the plain wire to the black (–) terminal. Press down the spring-loaded tab and insert the wire, as shown below. Release the tab to secure the wire.



Wall mounting the speaker for BCS-424

The center speaker have a mounting hole which can be used to mount the speaker on the wall.

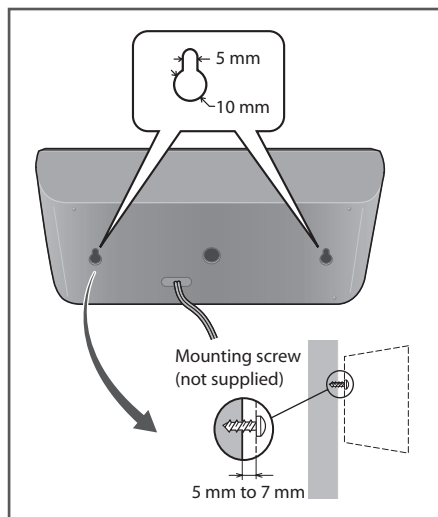
Before mounting

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 speakers 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.



Additional notes on speaker for BCS-424

Install the main front left and right speakers at an equal distance from the TV.

Precautions:

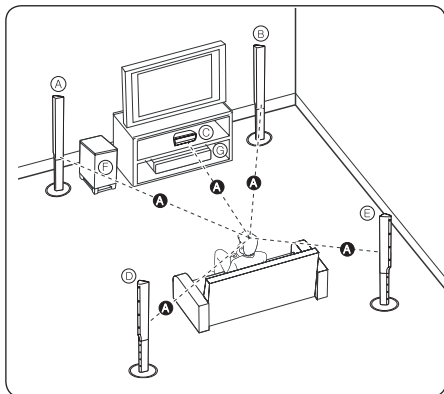
The center speaker supplied with this system are magnetically shielded. However, depending on the installation location, color distortion may occur if the speaker is installed extremely close to the screen of a television set. If this case happens, turn the power switch of the television set OFF, and turn it ON after 15 min. to 30 min. If the problem persists, place the speaker system away from the television set.

The subwoofer is 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 subwoofer.

Do not attach the subwoofer to a wall or ceiling. They may fall off and cause injury.

Positioning the system for BCS-424

The following illustration shows an example of positioning the system. Note that the illustrations in these instructions differ from the actual unit for explanation purposes. For the best possible surround sound, all the speakers other than the subwoofer should be placed at the same distance from the listening position (A).



A Front left speaker (L)/

B Front right speaker (R):

Place the front speakers to the sides of the monitor or screen and as flush with the screen surface as possible.

C Center speaker:

Place the center speaker below or in front of the monitor or screen.

D Surround left speaker (L)/

E Surround right speaker (R):

Place these speakers behind your listening position, facing slightly inwards.

F 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 speakers. Turn it slightly toward the center of the room to reduce the wall reflections.

G Unit

! Caution

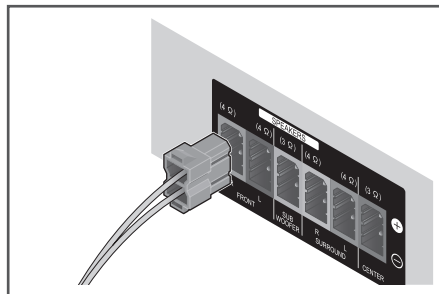
- Be careful to make sure children do not put their hands or any objects into the *subwoofer duct. *subwoofer duct: A hole for plentiful bass sound on subwoofer cabinet (enclosure).
- Place the centre speaker at a safe distance from the child's reach. Otherwise it may result in the speaker falling down and causing personal injury and/or property damage.
- The speakers contain magnet parts, so color irregularity may occur on the TV screen (CRT) or PC monitor screen. Please use the speakers away from the TV screen (CRT) or PC monitor screen.

Speaker setup for BCS-222

Preparing the speakers

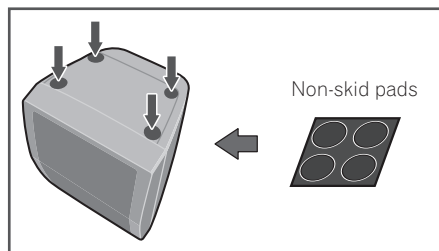
1. Connect the wires to the player.

Insert the cables connected to the player to the same colored connector on the speaker.



! Caution

- These speaker terminals carry HAZARDOUS LIVE voltage. To prevent the risk of electric shock when connecting or disconnecting the speaker cables, disconnect the power cord before touching any uninsulated parts.
 - Do not connect any speakers other than those supplied to this system.
 - Do not connect the supplied speakers to any amplifier other than the one supplied with this system. Connection to any other amplifier may result in malfunction or fire.
2. Attach the non-skid pads to the base of each speaker.



Wall mounting the speaker for BCS-222

All speakers have a mounting hole which can be used to mount the speaker on the wall.

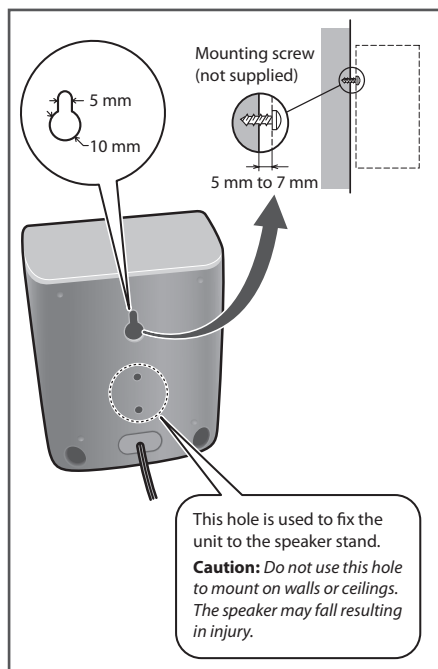
Before mounting

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 speakers 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.



Additional notes on speaker for BCS-222

Install the main front left and right speakers at an equal distance from the TV.

Precautions:

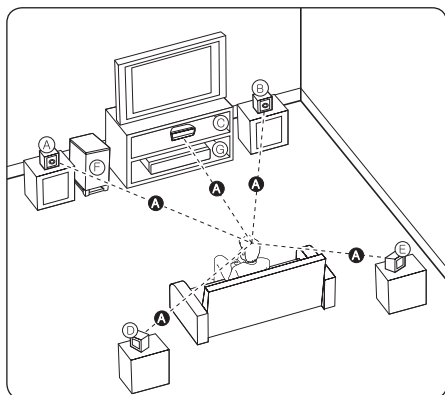
The center speaker supplied with this system are magnetically shielded. However, depending on the installation location, color distortion may occur if the speaker is installed extremely close to the screen of a television set. If this case happens, turn the power switch of the television set OFF, and turn it ON after 15 min. to 30 min. If the problem persists, place the speaker system away from the television set.

The subwoofer is 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 subwoofer.

Do not attach the subwoofer to a wall or ceiling. They may fall off and cause injury.

Positioning the system for BCS-222

The following illustration shows an example of positioning the system. Note that the illustrations in these instructions differ from the actual unit for explanation purposes. For the best possible surround sound, all the speakers other than the subwoofer should be placed at the same distance from the listening position (A).



(A) Front left speaker (L)/

(B) Front right speaker (R):

Place the front speakers to the sides of the monitor or screen and as flush with the screen surface as possible.

(C) Center speaker:

Place the center speaker below or in front of the monitor or screen.

(D) Surround left speaker (L)/

(E) Surround right speaker (R):

Place these speakers behind your listening position, facing slightly inwards.

(F) 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 speakers. Turn it slightly toward the center of the room to reduce the wall reflections.

(G) Unit

! Caution

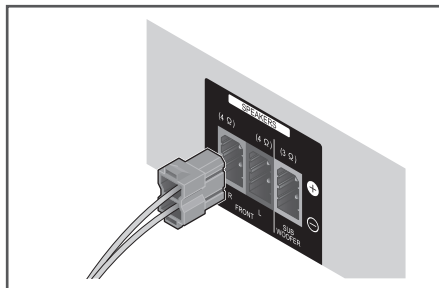
- Be careful to make sure children do not put their hands or any objects into the *subwoofer duct.
*subwoofer duct: A hole for plentiful bass sound on subwoofer cabinet (enclosure).
- Place the centre speaker at a safe distance from the child's reach.
Otherwise it may result in the speaker falling down and causing personal injury and/or property damage.
- The speakers contain magnet parts, so color irregularity may occur on the TV screen (CRT) or PC monitor screen. Please use the speakers away from the TV screen (CRT) or PC monitor screen.

Speaker setup for BCS-FS121

Preparing the speakers

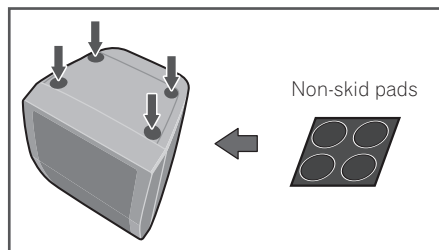
1. Connect the wires to the player.

Insert the cables connected to the player to the same colored connector on the speaker.



⚠ Caution

- These speaker terminals carry HAZARDOUS LIVE voltage. To prevent the risk of electric shock when connecting or disconnecting the speaker cables, disconnect the power cord before touching any uninsulated parts.
 - Do not connect any speakers other than those supplied to this system.
 - Do not connect the supplied speakers to any amplifier other than the one supplied with this system. Connection to any other amplifier may result in malfunction or fire.
2. Attach the non-skid pads to the base of each speaker.



Wall mounting the speaker for BCS-FS121

All speakers have a mounting hole which can be used to mount the speaker on the wall.

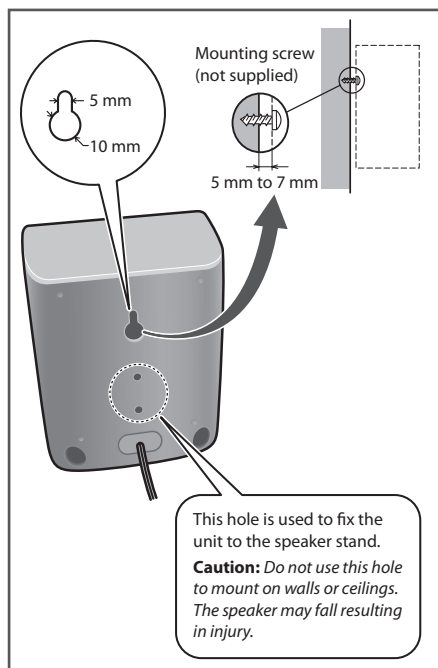
Before mounting

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 speakers 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.



Additional notes on speaker for BCS-FS121

Install the main front left and right speakers at an equal distance from the TV.

Precautions:

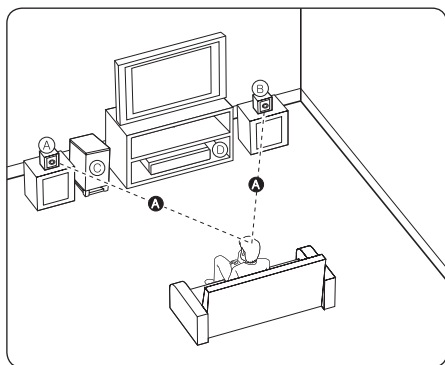
However, depending on the installation location, color distortion may occur if the speaker is installed extremely close to the screen of a television set. If this case happens, turn the power switch of the television set OFF, and turn it ON after 15 min. to 30 min. If the problem persists, place the speaker system away from the television set.

The subwoofer is 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 subwoofer.

Do not attach the subwoofer to a wall or ceiling. They may fall off and cause injury.

Positioning the system for BCS-FS121

The following illustration shows an example of positioning the system. Note that the illustrations in these instructions differ from the actual unit for explanation purposes. For the best possible surround sound, all the speakers other than the subwoofer should be placed at the same distance from the listening position (A).



Ⓐ Front left speaker (L)/

Ⓑ Front right speaker (R):

Place the front speakers to the sides of the monitor or screen and as flush with the screen surface as possible.

Ⓒ 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 speakers. Turn it slightly toward the center of the room to reduce the wall reflections.

Ⓓ Unit

⚠ 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).
- Place the centre speaker at a safe distance from the child's reach.
Otherwise it may result in the speaker falling down and causing personal injury and/or property damage.
- The speakers contain magnet parts, so color irregularity may occur on the TV screen (CRT) or PC monitor screen. Please use the speakers away from the TV screen (CRT) or PC monitor screen.

Connecting to Your TV

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

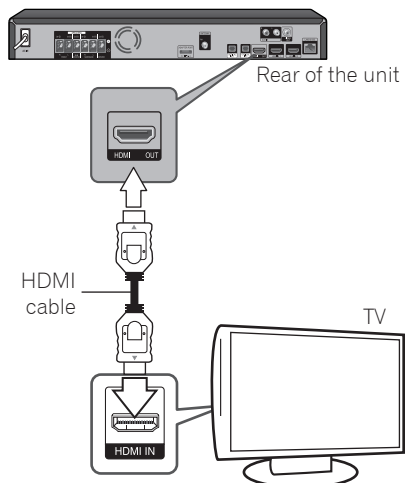
- HDMI connection (page 28)
- Video connection (page 29)

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 (High Speed HDMI®/™ Cable). Connect the HDMI terminal on the player to the HDMI terminal on a HDMI compatible TV or monitor.



Set the TV's source to HDMI (refer to TV's Operating Instructions).

Caution

Connecting the player and the TV using the HDMI cable alone does not enable you to hear the audio from the device. Please also connect by either the optical cable (page 31) or the analog audio cable (page 30).

When connected to a DVI device

- **It is not possible to connect DVI devices (computer displays, for example) that are not compatible with HDCP.** HDCP is a specification to protect audiovisual content across the DVI/HDMI interface.
- No audio signals are output. Connect using an audio cable, etc.
- This player is designed for connection with HDMI compatible devices. When connected to a DVI device, it may not operate properly depending on the DVI device.

ARC (Audio Return Channel) function

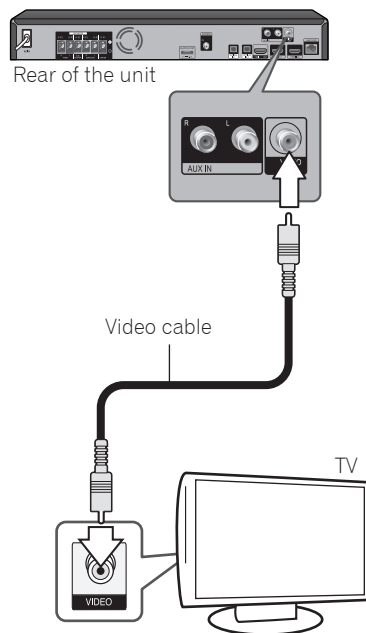
The ARC function enables an HDMI capable TV to send the audio stream to HDMI OUT of this player.

To use this function:

- Your TV must support the ARC function.
- The setting method of ARC may differ depending on the TV. For details about ARC function, refer to your TV manual.
- You must use the HDMI cable (High Speed HDMI®/™ Cable).
- You must connect with the HDMI IN of TV that supports the ARC function using the HDMI OUT on this player.
- You can connect only one Home Theater to TV compatible with ARC.
- The ARC function does not warrant that the function works in all cases even if the above conditions are satisfied.
- When you use the ARC function, CEC (Consumer Electronics Control) may work. If you do not want to use CEC, you can stop it work by setting **[Control: Off]** on **HDMI**. In this case, it is needed to connect TV and this player by an optical cable to send the audio stream to this player.
- Power on the unit when using CEC function.
- CEC does not operate during Standby mode.

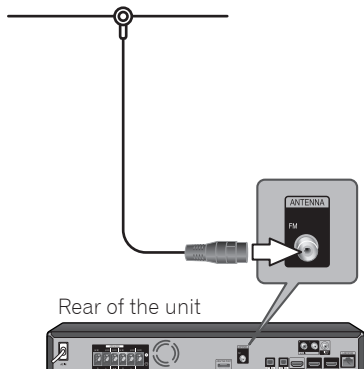
Video connection

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



Antenna connection

Connect the supplied antenna for listening to the radio.



! Note

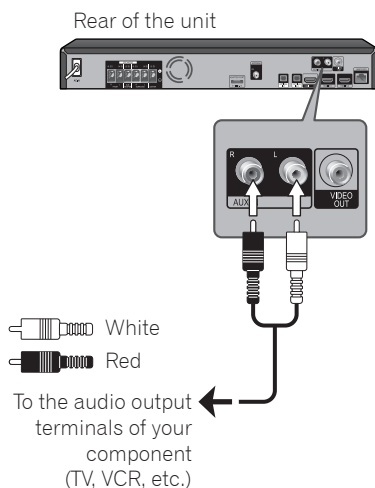
- After connecting the FM wire antenna, keep it as horizontal as possible. Be sure to fully extend the FM wire antenna.

Connections with external device

AUX connection

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

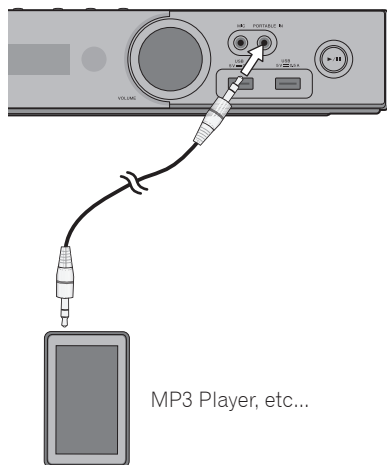
Connect the analog audio output terminals of your component into the AUX L/R (INPUT) on this unit. And then select the **[AUX]** option by pressing **FUNCTION** and **ENTER**.



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) terminal of the portable audio player into the PORTABLE IN socket of this unit. And then select the **[Portable In]** option by pressing **FUNCTION** and **ENTER**.



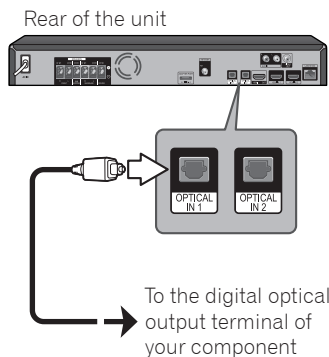
! Note

- When inserting the PORTABLE IN terminal, support the top of the unit with your hand to prevent it from moving.

OPTICAL IN 1/2 connection

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

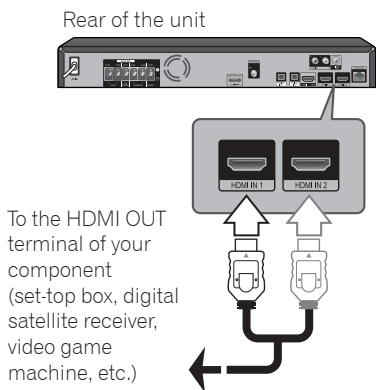
Connect the optical output terminal of your component into the **OPTICAL IN 1** or **2** terminal on the unit. And then select the **[Optical IN 1/2]** option by pressing **FUNCTION** and **ENTER**.



HDMI IN 1/2 connection

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

Connect the HDMI OUT terminal of your component into the **HDMI IN 1** or **2** terminal on this unit. And then select the **[HDMI IN 1/2]** option by pressing **FUNCTION** and **ENTER**.



! Note

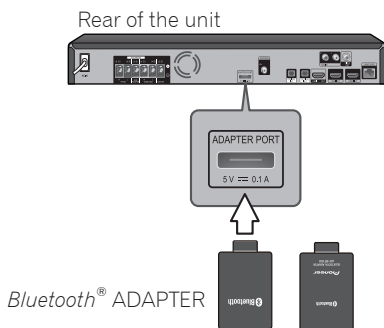
- You cannot change the video resolution in the HDMI IN 1/2 mode. Change the video resolution of the connected component.
- If the video output signal is abnormal when your personal computer is connected to HDMI IN 1/2 terminal, change the resolution of your personal computer to 576p, 720p, 1080i or 1080p.
- The video signal from the HDMI input cannot be output from the component or composite video outputs.
- You may not be able to output 3D images depending on the type of the 3D output signal of the connected device.

Connecting optional Bluetooth® ADAPTER

When the *Bluetooth* ADAPTER (Pioneer Model No. AS-BT100 or AS-BT200) is connected to this unit, a product equipped with *Bluetooth* wireless technology (portable cell phone, digital music player, etc.) can be used to listen to music wirelessly.

Connect a *Bluetooth* ADAPTER to the ADAPTER PORT terminal on the rear panel.

*For instructions on playing the *Bluetooth* wireless technology device, see Pairing the *Bluetooth* ADAPTER and *Bluetooth* wireless technology device on page 55.



! Note

- Do not move the unit while the *Bluetooth* ADAPTER is connected. Doing so could cause damage or faulty contact.

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

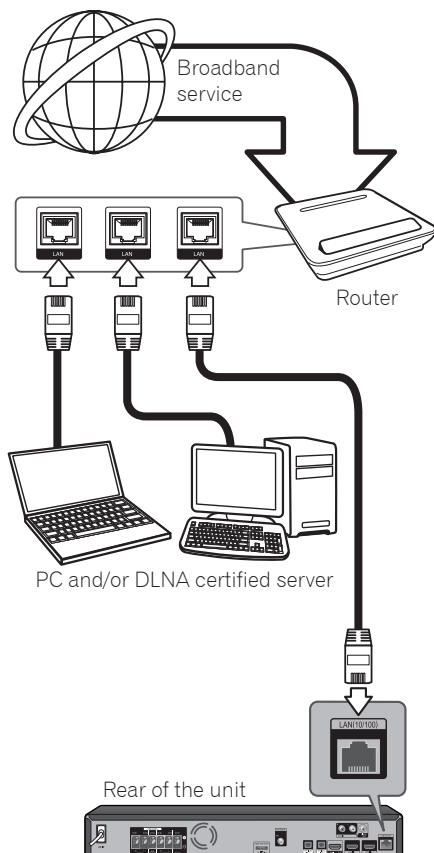
Using a wired network provides the best performance, because the attached devices connect directly to the network and are not subject to radio frequency interference.

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.



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 cord of the home network router or cable modem. Then power on and/or connect the power cord 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.
- xDSL modem is required to use xDSL 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.
- For the purpose of the better transmission, placing the player from the access point as close as possible.
- Move closer to the access point if possible or re-orient the player so there is nothing between it and the access point.

USB device connection

About USB devices

The USB devices that can be connected to the player are as shown below.

- USB 2.0-compatible memory devices
- FAT16 or FAT32 file system, minimum 1 GB capacity (2 GB or more recommended)

! Note

- Devices formatted with a file system other than the above cannot be used.
- USB devices may not be recognized if they contain multiple partitions.
- Some USB devices may not operate with this player.
- Operation of USB devices is not guaranteed.

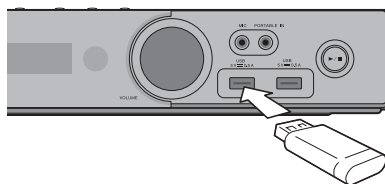
Connecting the USB device

! Caution

- Be sure to turn the player's power off before connecting or disconnecting USB devices.
- Use empty USB devices (on which nothing is stored).
- When using an external hard disk as the external storage device, be sure to turn on the hard disk's power before turning on the player's power.
- If the USB device is write-protected, be sure to disable the write-protection.
- When connecting the USB cable, hold onto the plug, set the plug in the proper direction for the port and insert it horizontally.
- Placing excessive loads on the plug may result in poor contact, making it impossible to write data on the USB device.
- When a USB device is connected and the player's power is turned on, do not unplug the power cord.
- USB Port of the unit cannot be connected to PC. The unit cannot be used as a storage device.
- If more than one USB device is connected, the number displayed for the USB device may change depending on the type of device connected or circumstance. To confirm USB device number, go to **[HOME MENU] → [Home Media Gallery]**.

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

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



! Note

- Devices may not work if connected to the USB port via a memory card reader or USB hub.
- Use a USB cable with a length of 2 meters or less.
- When inserting the USB terminal, support the top of the unit with your hand to prevent it from moving.

Chapter 3 Getting Started

Making settings using the Setup Navigator menu

Be sure to perform these settings when using the player in the following situations.

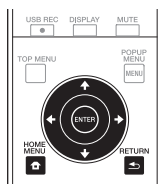
- When you use the player for the first time.
- After **Initial Setup** format.
- After updating the player's software.

! Caution

- Before turning on the power, check that the connections between the player and other devices are correct. Also, turn on the power of the devices connected to the player before turning on the player's power.
- When using a Pioneer Flat Screen TV or front projector compatible with the Control function, set Control to On on the connected device before turning on the player's power.

! Note

- When a Pioneer Flat Screen TV or front projector compatible with the Control function is connected to the player using an HDMI cable, the player is automatically set to the optimum picture quality for the connected device.



1. Turn on the TV's power and switch the input.

See the TV's operating instructions for the details of operating the TV.

2. Turn on the player's power.

Press **STANDBY/ON**.

Check that the Setup Navigator menu is displayed.

❖ If the Setup Navigator menu is not displayed

- ▶ Press **HOME MENU** to display the Home Menu, select **Initial Setup** → **Setup Navigator** → **Start**, then press **ENTER**.

3. Start Setup Navigator.

Press **ENTER**.

- Setup Navigator starts.

4. Select the OSD language.

Use **↑/↓** to select, then press **ENTER**.

When a Pioneer Flat Screen TV that is compatible with Control function is connected to this player's **HDMI OUT** terminal, language settings are imported from the Pioneer Flat Screen TV's language settings before **Setup Navigator** begins.

5. Select the appropriate output resolution for the connected TV.

Use **↑/↓** to select, then press **ENTER**.

6. Select the appropriate aspect for the connected TV.

Use **↑/↓** to select, then press **ENTER**.

7. Close the Setup Navigator menu.

Press **ENTER**.

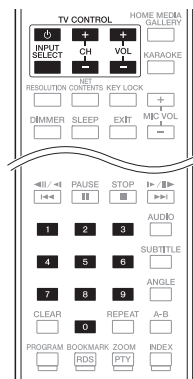
- Setup Navigator finishes and the setting is stored.
- Press **RETURN** to go back to the previous screen.

Operating the TV with the player's remote control

When the manufacturer code for your brand of TV is set on the player's remote control, the TV can be operated using the player's remote control.

Caution

- For some models it may not be possible to operate the TV with the player's remote control, even for TVs of brands listed on the manufacturer code list.
- The setting may be restored to the default after the batteries are replaced. If this happens, reset it.



1. Input the 2-digit manufacturer code.

Press the number buttons (0 to 9) to input the code while pressing **TV CONTROL** .

! Note

- The factory default setting is 00 (PIONEER).
- If you make a mistake when inputting the code, release **TV CONTROL**  then start over from the beginning.
- When there are multiple codes for a manufacturer, try inputting them in the indicated order until the TV can be operated.

2. Check that the TV can be operated.

Operate the TV using **TV CONTROL**.

 – Press to turn the TV's power on and off.

INPUT SELECT – Press to switch the TV's input.

CH +/- – Press to select the TV channel.

VOL +/- – Press to adjust the volume.

TV preset code list

Manufacturer Code(s)

PIONEER 00, 31, 32, 07, 36, 42, 51, 22	FRONTTECH 31, 42, 46	MAGNAVOX 07, 10, 03, 12, 29	SALORA 31, 32, 42, 43
ACURA 44	FRONTTECH/PROTECH 32	MANESTH 39, 46	SAMBERS 49
ADMIRAL 31	FUJITSU 48	MARANTZ 07	SAMSUNG 07, 38, 44, 46, 69, 70
AIWA 60	FUNAI 40, 46, 58	MARK 07	SANYO 35, 45, 48, 21, 14, 91
AKAI 32, 35, 42	GBC 32, 42	MATSUI 07, 39, 40, 42, 44, 47, 48	SBR 07, 34
AKURA 41	GE 00, 01, 08, 07, 10, 11, 17, 02, 28, 18	MCMICHAEL 34	SCHAUB LORENZ 42
ALBA 07, 39, 41, 44	GEC 07, 34, 48	MEDIATOR 07	SCHNEIDER 07, 41, 47
AMSTRAD 42, 44, 47	GELOSO 32, 44	MEMOREX 44	SEG 42, 46
ANITECH 44	GENERAL 29	METZ 31	SEI 32, 40, 49
ASA 45	GENEXXA 31, 41	MINERVA 31, 53	SELECO 31, 42
ASUKA 41	GOLDSTAR 10, 23, 21, 02, 07, 50	MITSUBISHI 09, 10, 02, 21, 31	SHARP 02, 19, 27, 67, 90
AUDIOGONIC 07, 36	GOODMANS 07, 39, 47, 48, 56	MULTITECH 44, 49	SIAREM 32, 49
BASIC LINE 41, 44	GORENJE 38	NEC 59	SIEMENS 31
BAUR 31, 07, 42	GPM 41	NECKERMANN 31, 07	SINUDYNE 32, 39, 40, 49
BEKO 38	GRAETZ 31, 42	NEI 07, 42	SKANTIC 43
BEON 07	GRANADA 07, 35, 42, 43, 48	NIKKAI 05, 07, 41, 46, 48	SOLAVOX 31
BLAUPUNKT 31	GRADIENTE 30, 57	NOBLIKO 49	SONOKO 07, 44
BLUE SKY 41	GRANDIN 18	NOKIA 32, 42, 52	SONOLOR 31, 35
BLUE STAR 18	GRUNDIG 31, 53	NORDMENDE 32, 36, 51, 52	SONTEC 07
BPL 18	HANSEATIC 07, 42	OCEANIC 31, 32, 42	SONY 04
BRANDT 36	HCM 18, 44	ORION 32, 07, 39, 40	SOUNDWAVE 07
BTC 41	HINARI 07, 41, 44	OSAKI 41, 46, 48	STANDARD 41, 44
BUSH 07, 41, 42, 44, 47, 56	HISAWA 18	OSO 41	STERN 31
CASCADE 44	HITACHI 31, 33, 34, 36, 42, 43, 54, 06, 10, 24, 25, 18	OSUME 48	SUSUMU 41
CATHAY 07	HUANYU 56	OTTO VERSAND 31, 32, 07, 42	SYSLINE 07
CENTURION 07	HYPSON 07, 18, 46	PALLADIUM 38	TANDY 31, 41, 48
CGB 42	ICE 46, 47	PANAMA 46	TASHIKO 34
CIMLINE 44	IMPERIAL 38, 42	PANASONIC 31, 07, 08, 42, 22	TATUNG 07, 48
CLARIVOX 07	INDIANA 07	PATHO CINEMA 42	TEC 42
CLATRONIC 38	INGELEN 31	PAUSA 44	TELEAVIA 36
CONDOR 38	INTERFUNK 31, 32, 07, 42	PHILCO 32, 42	TELEFUNKEN 36, 37, 52
CONTEC 44	INTERVISION 46, 49	PHILIPS 31, 07, 34, 56, 68	TELETECH 44
CROSLEY 32	ISUKAI 41	PHOENIX 32	TENSAI 40, 41
CROWN 38, 44	ITC 42	PHONOLA 07	THOMSON 36, 51, 52, 63
CRYSTAL 42	ITT 31, 32, 42	PROFEX 42, 44	THORN 31, 07, 42, 45, 48
CYBERTRON 41	JEC 05	PROTECH 07, 42, 44, 46, 49	TOMASHI 18
DAEWOO 07, 44, 56	JVC 13, 23	QUELLE 31, 32, 07, 42, 45, 53	TOSHIBA 05, 02, 26, 21, 53
DAINICHI 41	KAISUI 18, 41, 44	R-LINE 07	TOWADA 42
DANSAI 07	KAPSCH 31	RADIOLA 07	ULTRAVOX 32, 42, 49
DAYTON 44	KENDO 42	RADIOSHACK 10, 23, 21, 02	UNIDEN 92
DECCA 07, 48	KENNEDY 32, 42	RBM 53	UNIVERSUM 31, 07, 38, 42, 45, 46, 54
DIXI 07, 44	KORPEL 07	RCA 01, 10, 15, 16, 17, 18, 61, 62, 09	VESTEL 07
DUMONT 53	KOYODA 44	REDIFFUSION 32, 42	VICTOR 13
ELIN 07	LEYCO 07, 40, 46, 48	REX 31, 46	VOXSON 31
ELITE 41	LIESENK&TTER 07	ROADSTAR 41, 44, 46	WALTHAM 43
ELTA 44	LOEWE 07	SABA 31, 36, 42, 51	WATSON 07
EMERSON 42	LUXOR 32, 42, 43	SAISHO 39, 44, 46	WATT RADIO 32, 42, 49
ERRES 07	M-ELECTRONIC 31, 44, 45, 54, 56, 07, 36, 51		WHITE WESTINGHOUSE 07
FERGUSON 07, 36, 51	MAGNADYNE 32, 49		YOKO 07, 42, 46
FINLANDIA 35, 43, 54	MAGNAFON 49		ZENITH 03, 20
FINLUX 32, 07, 45, 48, 53, 54			
FIRSTLINE 40, 44			
FISHER 32, 35, 38, 45			
FORMENTI 32, 07, 42			

Chapter 4 Playback

Playing discs or files

This section describes the player's main operations.

For the types of discs and files that can be played, see page 10. Video, image and audio files recorded on discs are played with the Home Media Gallery (page 48).

1. **Press STANDBY/ON to turn on the power.**
Turn the TV's power on and switch its input beforehand.
2. **Press OPEN/CLOSE to open the disc tray and load the disc.**

Note

- Load the disc with the printed side facing up.
- Several dozen seconds are required to read the disc. Once reading is completed, the type of disc is displayed on the player's front panel display.
- When a BD with usage restrictions set by a BD recorder is loaded, the PIN code input screen appears. In this case, input your PIN code.

3. **Press PLAY to play the disc.**
 - To pause, press PAUSE during playback.
 - To stop, press STOP during playback.

Note

- Some discs start playing automatically when the disc tray is closed.
- DVD-Video discs have parental lock features. Input the password registered in the player's settings to unlock the parental lock. For details, see page 64.

❖ **If the disc menu is displayed**

For some discs, the disc menu is displayed automatically when playback starts. The contents of the disc menu and the way to operate depend on the disc.

❖ **Resuming playback from where it was stopped (resume playback function)**

- When **STOP** is pressed during playback, the point at which the disc stopped is stored in the memory. When **PLAY** is pressed after that, playback resumes from that point.
- To cancel the resume playback function, press **STOP** while playback is stopped.

Note

- The resume playback function is canceled automatically in the following cases:
 - When the disc tray is opened.
 - When the file list window is switched.
 - When the power is turned off. (For BDs and DVDs this does not cancel the resume playback function.)
- When you want to continue playback from a position you specify to be played next time, see Continuing playback from a specified position (Continued Viewing Playback) on page 47.
- The resume playback function cannot be used for some discs.

❖ **Playback disc/file when selecting other functions**

1. **Press OPEN/CLOSE to open the disc tray and load the disc.**
2. **Press HOME MEDIA GALLERY to display the Home Media Gallery.**
3. **Select disc type (BDMV/BD-RE/DVD etc.).**

Forward and reverse scanning

- ▶ **During playback, press ◀◀REV or ▶▶FWD.**
 - The scanning speed switches each time the button is pressed. The speed steps depend on the disc or file (the speed is displayed on the TV screen).

❖ To resume normal playback

- ▶ **Press ▶ PLAY.**

Playing specific chapters, tracks or files

- ▶ **During playback, input the number of the chapter/track/file you want to select.**
 - Use the number buttons (0 to 9) to input the number, then press **ENTER**.
 - Press **CLEAR** to clear the values you have input.

Skipping content

- ▶ **During playback, press ◀◀ or ▶▶.**
 - When ▶▶ is pressed, the playback skips ahead to the beginning of the next chapter/track/file.
 - When ◀◀ is pressed while a video or audio file is playing, the playback skips back to the beginning of the currently playing chapter/track/file. Press twice to skip back to the beginning of the previous chapter/track/file.
 - When ◀◀ is pressed while an image file is playing, playback returns to the previous file.

Playing in slow motion

- ▶ **While playback is paused, press and hold ◀◀/◀ or ▶▶/▶.**
 - The speed switches each time the button is pressed (the speed is displayed on the TV screen).
- ❖ **To resume normal playback**
- ▶ **Press ▶ PLAY.**

Step forward and step reverse

- ▶ **While playback is paused, press ◀◀/◀ or ▶▶/▶.**
 - The picture moves a step forward or reverse each time the button is pressed.

❖ To resume normal playback

- ▶ **Press ▶ PLAY.**

Playing a specific section within a title or track repeatedly (A-B Repeat)

Use this procedure to play a specific section within a title or track repeatedly.

- 1 During playback, press A-B to select the starting point.**
 - A- is displayed on the TV screen.
- 2. During playback, press A-B to select the ending point.**
 - A-B Repeat playback starts.

❖ To cancel A-B Repeat play

- Press **A-B** during the A-B Repeat play.

! Note

- A-B Repeat play is canceled in the following cases:
 - When you search outside of the repeat range.
 - When you start other Repeat Play or Random Play.

Playing repeatedly (Repeat Play)

Use this procedure to play the currently playing disc, title, chapter, track or file repeatedly.

- ▶ **During playback, press REPEAT.**
 - Each time you press **REPEAT** the type of repeat modes changes as shown below.
- BD**
Current chapter → Current title
- DVD**
Current chapter → Current title → All titles
- CD/Video file/Audio file/Image file**
Current track/file → All tracks/All files in folder

❖ To cancel Repeat Play

- Press **REPEAT** several times during Repeat Play.

! Note

- Repeat Play is canceled in the following cases:
 - When you search outside the repeat range.
 - When you start other Repeat Play or Random Play.

Playing in the desired order (Programmed Play)

1. During playback, press **PROGRAM**.

- The program screen is displayed.

2. Select the program number.

Use $\blacktriangle/\blacktriangledown$ to select, then press **ENTER**.

3. Select the title you want to play.

Use $\blacktriangle/\blacktriangledown$ to select, then press $\rightarrow$.

4. Select the chapter you want to play.

Use $\blacktriangle/\blacktriangledown$ to select, then press **ENTER**.

5. Press $\blacktriangleright$ **PLAY**.

- Playback starts.

❖ Editing the program

1. Select the program number you want to edit, then press **ENTER**.

2. Select title/chapter, then press **ENTER**.

❖ Deleting the program

► Select the program number you want to delete, then press **CLEAR**.

- To delete all the programs, press $\leftarrow$ **RETURN**.

! Note

- When you use audio CDs for Programmed Play, enter the track number in step 3.
- This function does not work with BDs.

Making bookmarks

You can make bookmarks on the video currently playing and play back the scene later.

► During playback, press **BOOKMARK**.

- The bookmark is made.
- Maximum number of bookmarks are 12.

❖ Playing the bookmarked scene

1. Press and hold **BOOKMARK** for a few seconds.

- The list of bookmarks is displayed.

2. Select the bookmark you want to play.

Use $\blacktriangle/\blacktriangledown$ to select, then press **ENTER**.

❖ Deleting the bookmark

► Select the bookmark you want to delete, then press **CLEAR**.

- Bookmarks may not be allowed to make for some discs.
- Bookmarks are canceled in the following cases:
 - When the player's power turned off.
 - When the disc tray is opened.

Zoom

► During playback, press **ZOOM**.

- Each time you press **ZOOM**, the zoom level changes as shown below.

Zoom 2x $\rightarrow$ Zoom 3x $\rightarrow$ Zoom 4x $\rightarrow$
 Zoom 1/2 $\rightarrow$ Zoom 1/3 $\rightarrow$ Zoom 1/4 $\rightarrow$
 Normal (not displayed)

! Note

- This function does not work with some discs.

Playing photos as slideshows

This function plays the photos, switching them automatically.

► During playback, press **INDEX**.

- Display the thumbnail of image files. The maximum number is 12 at once.
- If you select one of the image and press **ENTER**, slideshow will start from the image you selected.

❖ Rotating/inverting photos

When a slideshow is playing or paused, the display switches as shown below when the **↕/↔/↕** buttons are pressed.

- ➡ button: Rotates 90° clockwise
- ↶ button: Rotates 90° counterclockwise
- ↔ button: Flips horizontally
- ↕ button: Flips vertically

Switching the camera angles

For BD-ROM and DVD-Video discs on which multiple angles are recorded, the angles can be switched during playback.

► During playback, press **ANGLE**.

- The current angle and total number of recorded angles are displayed on the TV screen.
To switch the angles, press **ANGLE** again.
- The angles can also be switched by selecting **Angle** from the **TOOLS** menu.
- If the angles are not switched when **ANGLE** is pressed, switch them from the disc menu screen.

Switching the subtitles

For discs or files on which multiple subtitles are recorded, the subtitles can be switched during playback.

⚠ Caution

- The subtitles cannot be switched for discs recorded by a DVD or BD recorder. Also refer to the operating instructions for the device used for recording.

► During playback, press **SUBTITLE**.

- The current subtitle and total number of recorded subtitles are displayed on the TV screen.
To switch the subtitle, press **SUBTITLE** again.
- The subtitles can also be switched by selecting **Subtitle** from the **TOOLS** menu.
- If the subtitles are not switched when **SUBTITLE** is pressed, switch them from the disc menu screen.

❖ Turning the subtitles off

► Press **SUBTITLE** several times or select **Subtitle** from the **TOOLS** menu to switch the setting to **Off**.

❖ About displaying external subtitle files while playing DivX media files

In addition to the subtitles recorded in DivX media files, this player also supports the display of external subtitle files. If a file has the same name as that of a DivX media file aside from the file extension and the extension is one of the extensions listed below, the file is treated as an external subtitle file. Note that DivX media files and external subtitle files must be located in the same folder.

Only one external subtitle file can be displayed on this player. Use a computer, etc., to delete any external subtitle files you do not want to display from the disc.

⚠ Note

- Depending on the file, the external subtitles may not be displayed properly.

Switching the audio

For discs or files on which multiple audio streams/channels are recorded, audio streams/channels can be switched during playback.

► During playback, press **AUDIO**.

- The current audio and total number of recorded audio streams are displayed on the TV screen. To switch the audio, press **AUDIO** again.
- The audio can also be switched by selecting **Audio** from the **TOOLS** menu.
- If the audio is not switched when **AUDIO** is pressed, switch it from the disc menu screen.

Switching the CD/SACD playback area

1. Select the area you want to play.

In the stop mode, press **CD/SACD**. The playback area switches on the front panel display window each time the button is pressed.

[CD AREA] → [SACD 2CH] → [SACD MCH]
→ (back to beginning)

- During playback, press ■ **STOP** twice to cancel continuous play before selecting the playback area.

2. Open the disc tray.

Press the ▲ **OPEN/CLOSE** button.

3 Close the disc tray.

Press the ▲ **OPEN/CLOSE** button. Once the disc is loaded, the playback area switches.

Displaying the disc information

► Press **DISPLAY**.

The disc information appears on the TV screen. To switch off the information display, press **DISPLAY** again.

The information display differs between during playback and when playback is stopped.

Enjoying BONUSVIEW or BD-LIVE

This player is compatible with BD-Video BONUSVIEW and BD-LIVE.

When using BD-Video discs compatible with BONUSVIEW, you can enjoy such functions as secondary video (picture in picture) (page 46) and secondary audio (page 46). With BD-Video discs supporting BD-LIVE, special video images and other data can be downloaded from the Internet.

Data recorded on BD video and downloaded from BD-LIVE is stored on the USB flash drive (external memory). To enjoy these functions, connect a USB flash drive (minimum 1 GB capacity, 2 GB or greater recommended) supporting USB 2.0 High Speed (480 Mbit/s) to the USB port.

- When you insert or remove a USB flash drive, be sure to turn the player's power off.
- To recall data stored in the USB flash drive, first insert the disc media that was being used at the time the data was downloaded (if a different disc is loaded, the data stored on the USB flash drive cannot be played).
- If a USB flash drive containing other data (previously recorded) is used, the video and audio may not play back properly.
- Do not disconnect the USB flash drive while playback is in progress.
- Some time may be required for the data to load (read/write).

Caution

- It may not be possible to use the BONUSVIEW and BD-LIVE functions if there is insufficient space on the USB flash drive. In this case, refer to Erasing data that has been added to BDs and application data on page 63 for erasing the Virtual Package data and the BD-LIVE data in the USB flash drive.

Note

- Operation of USB flash drives is not guaranteed.
- Playback of BD-LIVE function data differs depending on the disc used. For details, consult the user instructions supplied with the disc.
- To enjoy the BD-LIVE function, a network connection and settings are required (pages 33 and 62).
- BD-LIVE is a function that provides for connection to the Internet. Discs supporting the BD-LIVE function may send ID codes identifying this player and the disc to the contents provider via the Internet.

Playback functions

The functions that can be used differ according to the type of disc and file. In some cases, some of the functions cannot be used. Check the usable functions on the table below.

Function ¹	Disc/file type									
	BD-ROM	BD-R /-RE	DVD-Video	DVD-R /-RW (VR format)	AVCREC	AVCHD	Video file	Image file	Audio file	Audio CD
Forward and reverse scanning ²	✓ ³	✓ ³	✓ ³	✓ ³	✓ ³	✓ ³	✓ ³	✗	✓ ⁴	✓ ⁴
Playing specific titles, chapters or tracks	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓
Skipping content	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Slow motion play ^{2,5}	✓	✓	✓	✓	✓	✓	✓ ⁶	✓	✗	✗
Step forward and step reverse ²	✓	✓	✓	✓	✓	✓	✓ ⁷	✓	✗	✗
A-B Repeat play ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Repeat Play	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Zoom	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
Angle ⁸	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗
Subtitle ⁹	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
Audio ¹⁰	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
Disc information	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

1. Some functions may not work for some discs or files, even if indicated [✓] on the table.

2. For some discs, normal playback resumes automatically when the chapter switches.

3. No sound is produced during forward and reverse scanning.

4. Sound is produced during forward and reverse scanning.

5. • No sound is output during slow motion playback.
• It is not possible to switch the speed during reverse slow motion playback.

6. Reverse slow motion playback is not possible.

7. Reverse step playback is not possible.

8. Angle mark is displayed for scenes at which multiple angles are recorded if **Angle Mark** is set to **On** (page 60).

9. • The types of recorded subtitles depend on the disc and file.
• In some cases, the subtitle may switch or the switching screen provided on the disc may be displayed immediately, without the current subtitle or the total number of subtitles recorded on the disc being displayed.

10. The types of recorded audio streams depend on the disc and file.

Using the TOOLS menu

Various functions can be called out according to the player's operating status.

1. Display the TOOLS menu.

Press **TOOLS** during playback.

2. Select and set the item.

Use **▲/▼** to select, then press **ENTER**.

! Note

- Items that cannot be changed are displayed in gray. The items that can be selected depend on the player's status.

❖ To change the setting of the selected item

Use **▲/▼** to change.

❖ To close the TOOLS menu

Press **TOOLS**.

❖ TOOLS menu item list

Item	Description
Title	Display the title information for the currently playing disc and total number of titles on the disc. Also select the title you want to play. (See the following description.)
Chapter (track/file) ¹	Display the information for the currently playing chapter (track/file) and total number of chapters in the disc. Also select the chapter (track/file) you want to play. (See the following description.)
Time	Display the elapsed or remaining time. Also enter the time from which you want to start playback. (See the following description.)
Mode	Switch the play mode (page 47).
Audio	Switch the audio.
Angle	Switch the BD-ROM/DVD-Video disc's camera angle.
Subtitle	Switch the subtitle language.
Code Page	Switch the subtitle code page.
Secondary Video ²	Switch the BD-ROM's secondary video (Picture-in-Picture).
Secondary Audio ³	Switch the BD-ROM's secondary audio.
Bitrate	Display the bitrate of the audio/video/secondary video/secondary audio.
Still off	Switch off the BD-ROM's still picture.

Item	Description
Ins Search	Skip forward 30 seconds.
Ins Replay	Skip backward 10 seconds.
Slide Show	Switch the playback speed while playing the picture slide show.
Transition	Change the style of the slide show while playing the picture slide show.

- One of these types of information is displayed, depending on the type of disc.
- Secondary video mark is displayed for scenes at which secondary video is recorded if **PIP Mark** is set to **On** (page 60).
- Secondary audio mark is displayed for scenes at which secondary audio is recorded if **Secondary Audio Mark** is set to **On** (page 60).

! Note

- Selectable items depend on the type of disc.
- The types of recorded secondary audio streams depend on the disc and file.
- Some discs do not include secondary audio/secondary video.
- In some cases, the secondary audio/secondary video may switch or the switching screen provided on the disc may be displayed immediately, without the current secondary audio/secondary video or the total number of secondary audio/secondary video streams recorded on the disc being displayed.

Playing from a specific time (Time Search)

1. Select Time.

Use **▲/▼** to select, then press **ENTER**.

2. Input the time.

Use the number buttons (0 to 9) to input the time.

- To play from 45 minutes, input **0, 0, 4, 5, 0** and **0**, then press **ENTER**.
- To play from 1 hour 20 minutes, input **0, 1, 2, 0, 0** and **0**, then press **ENTER**.
- Press **CLEAR** to clear the values you have input.

3. Starting playback from the specified time.

Press **ENTER**.

Playing a specific title, chapter, track or file (Search)

- 1. Select Title or Chapter (track/file).**
Use **▲/▼** to select, then press **ENTER**.
- 2. Input the Title or Chapter (track/file) number.**
Use the number buttons (0 to 9) or **▲/▼** to input the number.
 - To search for title 32, input **3** and **2**, then press **ENTER**.
 - Press **CLEAR** to clear the values you have input.
- 3. Starting playback from the specified title, chapter or track.**
Press **ENTER**.

Playing specified range of discs, titles or chapter (track/file) in random order

You can select from 2 types of random playback.

- 1. Select Mode.**
Use **▲/▼** to select, then press **ENTER**.
- 2. Select the playing mode.**
Use **▲/▼** to select, then press **ENTER**.

❖ Random play

The specified range of discs, titles or chapter (track/file) is played in random order. The same item may be played consecutively.

❖ Shuffle play

The specified range of discs, titles or chapter (track/file) is played in random order. Each item is played once.

Continuing playback from a specified position (Continued Viewing Playback)

This function allows you to continue playback from a position you specify to be played next time, even after turning the power off.

❖ Setting

- ▶ **During playback, press CONTINUED at the position from which you want to start continued viewing playback.**
The elapsed playing time at the specified position is displayed on the TV screen.

❖ Playing

- 1. Press ► PLAY to play the title for which you have set continued viewing playback.**
The continued viewing playback confirmation screen appears.
- 2. Use ◀/▶ to select Yes, then press ENTER.**
Playback starts from the specified position.

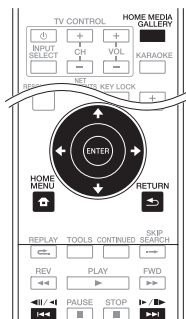
! Note

- The continued viewing playback setting is canceled when **▲ OPEN/CLOSE** is pressed.
- Continued viewing playback may not work properly with some discs.

Chapter 5

Playback from Home Media Gallery

About Home Media Gallery



- The following files are allowed to be played from Home Media Gallery:
 - PCs running Microsoft Windows Vista or XP with Windows Media Player 11 installed
 - PCs running Microsoft Windows 7 with Windows Media Player 12 installed
 - DLNA-compatible digital media servers (on PCs or other components)
- Files stored in a PC or DMS (Digital Media Server) as described above can be played by Digital Media Player (DMP). The player supports the use of such DMP.
- To play back audio files stored on components on the network, you must turn on the DHCP server function of your router. In case your router does not have the built-in DHCP server function, it is necessary to set up the network manually. Otherwise, you cannot play back files stored on components on the network. See page 62.

About network playback

The network playback function of this unit uses the following technologies:

❖ Windows Media Player

See Windows Media Player 11/Windows Media Player 12 above for more on this.

❖ DLNA



DLNA CERTIFIED® Audio Player

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 a wired network in the home.

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 a 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.



This player's Home Media Gallery function allows you to display a list of input sources and start playback. This chapter describes setup and playback procedures required to enjoy these features. When you play the files stored on your computer or the components on the network, it is advisory that you also refer to the operation manual supplied with your network component.

The input sources that can be played from Home Media Gallery are as shown below.

- BD-R/RE (BD-RE format) discs
- DVD-R/RW (VR format) discs
- Audio CDs (CD-DA, SACD and DTS CDs)
- DVD/CDs on which only data files of video, image or audio files, etc. are recorded.
- USB device
- Files on the network servers (on the PCs or components connected to the player via LAN interface.)

! Note

- The Home Media Gallery allows you to play files on media servers connected to the same Local Area Network (LAN) as the unit.

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

❖ **Content playable over a network**

- Even when encoded in a compatible format, some files may not play correctly.
- Some functions may not be supported depending on the server type or version used.
- Supported file formats vary by server. As such, files not supported by your server are not displayed on this unit. For more information check with the manufacturer of your server.

❖ **Disclaimer for Third Party Content**

Access to content provided by third parties requires a high speed Internet connection and may also require account registration and a paid subscription.

Third party content services may be changed, suspended, interrupted, or discontinued at any time without notice, and Pioneer disclaims any liability in connection with such occurrences.

Pioneer does not represent or warrant that content services will continue to be provided or available for a particular period of time, and any such warranty, express or implied, is disclaimed.

❖ **About playback behavior over a network**

- Playback may stall when the PC is switched off or any media files stored on it are deleted while playing content.
- If there are problems within the network environment (heavy network traffic, etc.) content may not be displayed or played properly (playback may be interrupted or stalled). For best performance, a 10BASE-T/100BASE-TX connection between the player and the PC is recommended.
- If several clients are playing simultaneously, as the case may be, playback is interrupted or stalled.
- Depending on the security software installed on a connected PC and the setting of such software, network connection may be blocked.

Pioneer is not responsible for any malfunction of the player and/or the Home Media Gallery features due to communication errors/malfunctions associated with your network connection and/or your PC, or other connected equipment. Please contact your PC manufacturer or Internet service provider.

Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

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Microsoft®, Windows®7, Windows®Vista, Windows®XP, Windows®2000, Windows®Millennium Edition, Windows®98, and WindowsNT® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Playback file on the network

1. Press HOME MEDIA GALLERY to display the Home Media Gallery.

The Home Media Gallery can also be displayed by selecting [Home Media Gallery] from Home Menu, then pressing **ENTER**.

2. Select the server which contains the file you want to play.

3. Select the file you want to play.

Use **▲/▼** to select, then press **ENTER**.

❖ To end Home Media Gallery

Press **HOME MEDIA GALLERY**.

! Note

- If you are unable to display the servers on the Home Media Gallery screen, select [DLNA Search] and press **ENTER**.

Disc/USB playback

1. Press HOME MEDIA GALLERY to display the Home Media Gallery.

The Home Media Gallery can also be displayed by selecting Home Media Gallery from Home Menu, then pressing **ENTER**.

2. Select Disc or USB.

Use **▲/▼** to select, then press **ENTER**.

3. Select Photo/Music/Video/AVCHD.

Use **▲/▼** to select, then press **ENTER**.

- This step is not for the discs that have been recorded with BDAV/VR/AVCREC format.
- To play files in AVCHD format on a USB device, create a folder named "AVCHD" on the USB device, then copy the "BDMV" folder containing which the files to be played into the "AVCHD" folder.

4. Select the title/track or file you want to play.

Use **▲/▼** to select, then press **ENTER**.

Playback starts from the selected title/track or file.

- If the file you want to play is in the folder, select the folder that contains the file first.

Playing back image files

❖ About Slideshow

A display of the files on the disc or in the folder switches automatically.

! Note

- When playing an audio CD (CD-DA/SACD/DTS-CD), the Now Playing screen is displayed.
- Some BD-R/-RE discs have playback protection. To cancel the protection, input the password set for the disc.
- It may take a few seconds before playback starts. This is normal.
- It may not be possible to play some files properly.
- The number of views may be restricted.
- Depending on the connected devices and conditions, some time may be required for playback to start and for the image to switch.

Playing in the desired order (Playlist)

The discs that can add tracks and files to the Playlist are as shown below.

- DVDs/CDs/USB devices on which audio files are recorded

Adding tracks/files

Use this procedure to add tracks and files, and create the **Playlist**.

1. **Press HOME MEDIA GALLERY to display the Home Media Gallery.**
The Home Media Gallery can also be displayed by selecting Home Media Gallery from Home Menu, then pressing **ENTER**.
2. **Select Disc or USB.**
Load the disc beforehand.
Use **▲/▼** to select, then press **ENTER**.
3. **Select the track/file to be added.**
Use **▶** to select.
4. **Press POP UP MENU to display the POP UP MENU menu.**
5. **Select Add to Playlist to add to Playlist.**
Use **▲/▼** to select, then press **ENTER**.
The track or file selected in step 3 is added to the **Playlist**.
 - To add more tracks or files, repeat steps 3 to 5.

Playing the playlist

1. **Press HOME MEDIA GALLERY to display the Home Media Gallery.**
The Home Media Gallery can also be displayed by selecting Home Media Gallery from Home Menu, then pressing **ENTER**.
2. **Select Playlist.**
Use **▲/▼** to select, then press **ENTER**.
3. **Select the track/file to be played.**
Use **▲/▼** to select, then press **ENTER**.
Playback starts from the selected track/file and continues until the end of the list is reached. Use **◀◀/▶▶** to play the previous or next track/file. The Now Playing screen is displayed.

Deleting tracks/files from the playlist

1. **Select the track/file to be deleted, then press POP UP MENU to display the POP UP MENU menu.**
2. **Use ▲/▼ to select Remove from Playlist, then press ENTER.**

Chapter 6

Playing the web contents

You can enjoy some streaming contents on the Internet with the player.

Available web contents

- YouTube (MPEG4 AVC H.264)
- Picasa

Note

About YouTube

- YouTube videos of the following sizes can be played.
 - Standard quality (400 x 226 pixels, 200 kbps)
 - Medium quality (480 x 360 pixels, 512 kbps)
 - High quality (854 x 480 pixels, 900 kbps)
 - HD (720p) (1280 x 720 pixels, 2 Mbps)
 - HD (1080p) (1920 x 1080 pixels, 4 Mbps)
- This player supports the YouTube Leanback service. The YouTube Leanback service is only available in English for now. Refer to YouTube Help at <http://www.google.com/support/youtube/> for further information.
- YouTube videos for mobile phones cannot be played.
- Some YouTube videos cannot be played.

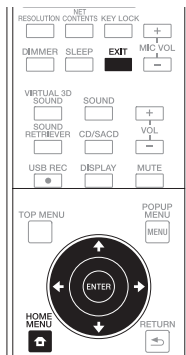
About Picasa

- Picasa is available only in English. Refer to instructions at <http://picasa.google.com/support/> for details.
 - Register your user name and password on the PC before you use Picasa Web Albums.
 - When you access Picasa from this player for the first time, select the New User icon and enter your registered user name and password.
- Depending on the Internet connection environment, it may not be possible to play web contents properly.
- To access to web contents, this player requires a broadband Internet connection. A contract with an Internet provider is required for a broadband Internet connection.
- Access to content provided by third parties requires a high speed Internet connection and may also require account registration and a paid subscription. Third party content services may be changed, suspended, interrupted, or discontinued at any time without notice, and Pioneer disclaims any liability in connection with such occurrences. Pioneer does not represent or warrant that content services will continue to be provided or available for a particular period of time, and any such warranty, express or implied, is disclaimed.
- Disc playback and this function cannot be used at the same time.

Playing the items

Caution

You must connect the player to the Internet beforehand. See *Connecting to your Home Network* on page 33 for the details.



1. Display the selection screen.

The selection screen can be selected by pressing **HOME MENU** then selecting Web Contents → Desired web content.

2. Select the type of web contents.

Use **↑/↓** to select, then press **ENTER**.

3. Press **↑/↓** to select the item you want to play, then press **ENTER**.

To stop playback, press **EXIT**. Playback of the video stops and the Home Menu screen reappears.

Chapter 7

Other Operating

Recording Audio CD to a USB device

You can record audio CD to a USB device using this player.

1. Insert an USB device into the USB port on the front panel.

! Note

- Please connect only one USB device.

2. Open the disc tray and place an Audio CD on the tray.

Press **△ OPEN/CLOSE**.

3. Close disc tray.

When **△ OPEN/CLOSE** is pressed, playback will start automatically.

- If playback does not start automatically, press the **▶ PLAY** on the remote or **▶/II** (PLAY/PAUSE) on the device to start playback.

4. Press USB REC during CD playback.

[CD RIP] will be displayed.

5. Select the song or the Track No. you want to record.

If you are recording all the songs on the CD use **▲/▼/◀/▶** to select [Select all] and press **ENTER**.

If you are selecting a Track to record use **▲/▼/◀/▶** to select the Track No. and press **ENTER**.

- If there are more than one Track you want to record, repeat the step for 5.
- If you want to delete a selected Track use **▲/▼/◀/▶** to select [Select None] and press **ENTER**.

6. Set the recording speed

Use **▲/▼/◀/▶** to select [Speed] and press **ENTER**.

- The recording speed will change each time **ENTER** is pressed. The recording speed will change as shown below.

Normal: when recording while listening to the music.

Fast: will record at approx 4x speed. You cannot listen to the music.

7. Start recording.

Use **▲/▼/◀/▶** to select [Start] and press **ENTER** to start recording.

8. Exit CD recording display.

Use **▲/▼/◀/▶** to select [Cancel] then press **ENTER** after recording has finished.

! Note

- Use cursor **▲/▼/◀/▶** to select [Bitrate] then press **ENTER** to change the Bitrate setting. The set speed will change each time [Bitrate] is pressed. The set value can be selected from those shown below.
[64kbps] → [96kbps] → [128kbps] → [192kbps] → [256kbps] → [320kbps]
- A folder will be created on the USB device when recording starts. The maximum number of folders that can be created is 100.

Radio Operations

Be sure that FM aerial is connected. (Refer to the page 30)

Listening to the radio

- Press **FUNCTION** until FM appears in the display window and press **ENTER**.
The last received station is tuned in.
- Scanning will start when either the ►► or the ◄◄ button is pressed.

or

Press ▲/▼ repeatedly.

or

Press **TUNE** +/- on the front panel of the player repeatedly.
- Adjust the volume by rotating VOLUME on the front panel or by pressing **VOL +** or **VOL -** on the remote control repeatedly.

Presetting the radio stations

You can preset 50 stations for FM.

Before tuning, make sure that you have turned down the volume.

- Press **FUNCTION** until FM appears in the display window and press **ENTER**.
The last received station is tuned in.
- Select the desired frequency by using ▲/▼.
- Press **PROGRAM** a preset number will flash in the display window.
- Press ◄/► to select the preset number you want.
- Press **PROGRAM**.
The station is stored.
- Repeat the steps 2 to 5 to store other stations.
- You can select the stored station by pressing ◄/►.

Deleting all the saved stations

- Press and hold ■ **STOP** for two seconds.
[ERASE ALL] will flash up on the display window.
- Press ■ **STOP** to erase all of the saved radio stations.

Improving poor FM reception

Press **AUDIO** on the remote control. This will change the tuner from stereo to mono and usually improve the reception.

Seeing information about a radio station

The FM tuner is supplied with the RDS (Radio Data System) facility. This shows information about the radio station being listened to. Press **BOOKMARK (RDS)** repeatedly to cycle through the various data types:

PS	(Programme Service Name) The name of the channel will appear in the display.
PTY	(Programme Type Recognition) The programme type (e.g. Jazz or News) will appear in the display.
RT	(Radio Text) A text message contains special information from the broadcast station. This text may scroll across the display.

You can search the radio stations by programme type by pressing **BOOKMARK (RDS)**. The display will show the last PTY in use. Press **ZOOM (PTY)** one or more times to select your preferred programme type. Press and hold ◄/►. The tuner will search automatically. When a station is found the search will stop.

Bluetooth® ADAPTER for Wireless Enjoyment of Music

- *Bluetooth* wireless technology enabled device: cell phone
- *Bluetooth* wireless technology enabled device: Digital music player
- Device not equipped with *Bluetooth* wireless technology: Digital music player + *Bluetooth* audio transmitter (sold commercially)

Wireless music play

When the *Bluetooth* ADAPTER (Pioneer Model No. AS-BT100 or AS-BT200) is connected to this unit, a product equipped with *Bluetooth* wireless technology (portable cell phone, digital music player, etc.) can be used to listen to music wirelessly. Also, by using a commercially available transmitter supporting *Bluetooth* wireless technology, you can listen to music on a device not equipped with *Bluetooth* wireless technology. The AS-BT100 and AS-BT200 model supports SCMS-T contents protection, so music can also be enjoyed on devices equipped with SCMS-T type *Bluetooth* wireless technology.

- With the AS-BT100, some functions may not be available on this unit.
- It must be necessary that the *Bluetooth* wireless technology enabled device supports A2DP profiles.

Note

- Pioneer does not guarantee proper connection and operation of this unit with all *Bluetooth* wireless technology enabled devices.
- About one minute is required between turning the power on and completion of startup.

Listen to music on a *Bluetooth* wireless technology enabled device

Pairing of the unit and a *Bluetooth* wireless technology enabled device. (Initial registration)

Prior to starting pairing, make sure that the *Bluetooth* function on your *Bluetooth* wireless technology enabled device is turned on. Please see the user manual of your *Bluetooth* wireless technology enabled device for more details. The pairing operation only needs to be performed once, and then is not required again.

1. Press **FUNCTION** and change input to **BLUETOOTH** and press **ENTER**.

After **[BLUETOOTH]** is displayed in the unit's display window, **[READY]** will then be displayed.

2. Operate the *Bluetooth* wireless technology enabled device and perform pairing.

When a *Bluetooth* wireless technology enabled device searches for this unit, some *Bluetooth* wireless technology enabled devices will display a list of supported devices on their display section. This unit will be displayed as *Bluetooth* ADAPTER **[AS-BT100]** or **[AS-BT200]**.

3. Enter the PIN code.

Pin code: 0000

This unit cannot be set with any PIN code other than 0000.

4. When the unit and a *Bluetooth* wireless technology enabled device are successfully paired, **[SINK]** will be displayed in the unit's display window.

Note

- The pairing method may differ depending on the type of *Bluetooth* wireless technology enabled device.

5. Playback music using the *Bluetooth* wireless technology enabled device.

Please see the user manual of your *Bluetooth* wireless technology enabled device for details on how to playback music.

! Note

- This unit does not support AVRCP.
- This unit does not support Mono Headset Profile (Hands Free Profile).
- A *Bluetooth* wireless technology enabled device cannot be operated by this unit.
- This unit cannot be used to listen to one seg sounds on a *Bluetooth* wireless technology enabled device. Music contents protected by SCMS-T cannot be listened to.
- Only one *Bluetooth* wireless technology enabled device may be paired with this unit; multiple pairing is not possible.
- You may be unable to use the *Bluetooth* function, depending on the type of *Bluetooth* wireless technology enabled device.
- When not connected by *Bluetooth*, [READY] will be displayed in the unit's display window.
- If a *Bluetooth* adapter is not connected, [NO DEV] will be displayed on the display window of the player.
- Other electro-magnetic waves may cause interference with the connection, causing the sound to cut out.
- If medical equipment, microwaves, wireless LAN routers etc. on the same frequency cause malfunction to occur, the *Bluetooth* connection will be lost.
- Even if the distance between the *Bluetooth* wireless technology enabled device and the unit is less than 10 meters, if there are other obstacles in between the two of them then you will be unable to connect the *Bluetooth* wireless technology enabled device.
- If an obstacle comes between the *Bluetooth* wireless technology enabled device and the unit to interrupt communication, the *Bluetooth* connection will be lost.
- If the *Bluetooth* wireless technology enabled device and the unit move apart then sound quality will fall, and if they move beyond the operating range the *Bluetooth* connection will be lost.
- If the power to the unit is cut or the *Bluetooth* wireless technology enabled device is moved more than 10 meters from the unit, the *Bluetooth* connection will be lost.

Karaoke

1. Press KARAOKE on the remote control.
Karaoke Setup under Initial Setup will be displayed on the TV screen.

2. Turn the Karaoke Switch on.
Select [Karaoke Setup] → [Karaoke Switch] → [On] using cursor and press ENTER.

3. Adjust microphone volume.
Select [Karaoke Setup] → [Microphone Setup] → [Mic Volume] using cursor and press ENTER.
Use ◀/▶ to adjust the microphone volume. Press RETURN to finish.

4. Adjust microphone echo.
Select [Karaoke Setup] → [Microphone Setup] → [Mic Echo] using cursor and press ENTER.
Use cursor ◀/▶ to adjust the microphone echo. Press RETURN to finish.

5. Switch Vocal Cancel on or off.
Use cursor to select [Karaoke Setup] → [Vocal Cancel] → [On] or [Off] and press ENTER.

! Note

- Karaoke can only be used with disc playback or USB playback.
- Depending on the song, Vocal Cancel may not be effective.
- When inserting the MIC terminal, support the top of the unit with your hand to prevent it from moving.
- The microphone volume can also be adjusted using the MIC VOL +/- button on the remote control.
- If you turn on Vocal Cancel, the sound setting is turned off. If you turn on the sound setting when Vocal Cancel is on, Vocal Cancel is turned off.

Sound

Press **SOUND** on the remote control to display the sound select menu on the TV screen. Use cursor button to make a selection, then press **ENTER**. Press **SOUND** to exit the Sound Menu.

!

Note

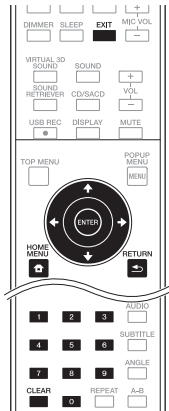
- When HDMI IN 1 or HDMI IN 2 are selected, the Sound Menu cannot be displayed. Switch to other input source and then switch the Sound.
- When HDMI IN 1 or HDMI IN 2 is selected, **VIRTUAL 3D SOUND** and **SOUND RETRIEVER** buttons do not function.
- When disc/file is paused, SOUND menu cannot be displayed. Please switch SOUND when disc/file is being played.

Setting	Options	Explanation	
Sound Retriever	Off	A WMA or MP3 file is played with high sound quality. This is only valid for files with the extension ".wma" or ".mp3".	
	Low		
	High	The effect depends on the file. Try different settings, and choose the one providing the best effect.	
Equalizer	Add a variety of effects to the output sound. Select a mode that suits your personal tastes.		
	Off		
	News	This mode is suited to the news.	
	Gaming	This mode is suited to video games.	
	Movie	This mode is suited to movies.	
Surround	Music	This mode is suited to music.	
	Off		
	Virtual 3D Min	Effect is minimum	Virtual 3D Sound: Has the effect of creating a 3D sound space.
	Virtual 3D Mid	Effect is moderate	
	Virtual 3D Max	Effect is maximum	
	5 Speaker Mode1 (BCS-424/BCS-222)	The sound from the front speakers will also be output by the rear speakers. This mode is valid in both 2 channel audio source and 5.1 channel audio source.	
	5 Speaker Mode2 (BCS-424/BCS-222)	The same sound will be output from the 5 speakers other than the sub woofer. This mode is valid in both 2 channel audio source and 5.1 channel audio source.	
	Dolby PL II Movie (BCS-424/BCS-222)	Dolby Pro Logic II enables you to play stereo source on 5.1-channel. This mode is valid in 2 channel audio source.	
	Dolby PL II Music (BCS-424/BCS-222)		
Audio Sync	Adjust the delay between image and sound. Use ◀▶ to adjust.		

Chapter 8

Advanced settings

Changing the settings



Note

- The items that can be selected depend on the player's status.
- In Options, the factory default settings are indicated in bold.

Display Setting

Setting	Options	Explanation
TV Screen	16:9 Full	Select this when connecting to a wide (16:9) TV.
	16:9 Normal	Select this when connected to a wide (16:9) TV. 4:3 pictures are displayed with vertical black bars along the sides.
	4:3 Pan&Scan	Select this when connecting to a 4:3 screen TV and playing a 16:9 video. The video will be played with the left and right sides of the image cut off to display on the 4:3 screen. (This function works if the disc is labeled for 4:3PS.)
	4:3 Letterbox	Select this when connecting to a 4:3 screen TV and playing a 16:9 video. The video will be played with black bands at the top and bottom.
Video Adjust	The quality of the playback picture can be adjusted according to the TV you are using (page 62).	
Sharpness	High	Choose the level of sharpness.
	Middle	
	Low	
Video Mode	Standard	Choose the video output mode.
	Vivid	
	Cinema	
	Custom	
• CTI (Color Transient Improvement): Provides images with clearer color contours.		
Noise Reduction	0	Choose the level of noise reduction.
	1	
	2	
	3	
Net Contents Mode	Off	Select this to automatically correct compressed video files on the network, a disc or a USB device and play them with a more natural picture quality.
	On	

Operating the initial setup screen

1. When playback is stopped, display the Home Menu screen.

Press HOME MENU.

2. Select and set Initial Setup.

Use to select, then press ENTER.

3. Select the item and change the setting.

Use to select, then press ENTER.

❖ Closing the Initial Setup screen

Press HOME MENU or RETURN.

Setting	Options	Explanation
Audio Output	DRC (Dynamic Range Control)	Off Select this to output audio signals without using the DRC function.
	On	Select this to adjust the range between the loudest and softest sounds (dynamic range) for playback at average volume. Use this when it is hard to hear dialog or when watching movies at midnight.
	Auto	Select to switch the DRC setting On/Off automatically according to the input audio signal from the disc. This only affects Dolby TrueHD signals.
		• This affects such audio signals as Dolby Digital, Dolby TrueHD, and Dolby Digital Plus. • Depending on the disc, the effect may be weak.
Speaker Setup		Adjust the Trim (output level) and Delay (distance from viewers) of the speakers. Please see "Adjust speaker settings" for more details (page 62).
Test Tone		Output a test tone from the speakers.
HDMI	Color Space	RGB Select this to output the video signals as RGB signals. Choose this if the colors seem too faint and the black seems too bright.
		YCbCr Select this to output the video signals as YCbCr 4:4:4 signals.
		YCbCr 422 Select this to output the video signals as YCbCr 4:2:2 signals.
		Full RGB Select this to output the video signals as RGB signals. Choose this if the colors seem too dense and all the dark colors are displayed in a uniform black.
Resolution	Auto	Select this to choose the resolution of the video signals output from the HDMI OUT terminal automatically.
	480i/576i	Output the video signals from the HDMI OUT terminal with the selected resolution.
	480P/576P	The resolution can be changed by pressing RESOLUTION , but Auto cannot be selected.
	720P	
	1080i	
	1080P	
HDMI Audio Out	Bitstream	Select this to output HDMI audio signals directly.
	PCM	Select this to output HDMI audio signals converted to 2-channel audio signals.
	Reencode	When a BD containing secondary audio and interactive audio is played, the two audio signals are mixed and converted to DTS audio for output.
	Off	Select this when you do not want to output the audio signal from the HDMI output terminal.
Control	On	Select this to control the player with the remote control of the connected AV device using an HDMI cable. Also refer to page 28.
	Off	Select this when you do not want to control the player with the remote control of the connected AV device using an HDMI cable.
HDMI Deep Color	30bits	Select this when outputting the video signals with 30-bit color.
	36bits	Select this when outputting the video signals with 36-bit color.
	Off	Select this when outputting the video signals with normal 24-bit color.
HDMI 1080P 24Hz	On	Select this when Resolution is set to Auto or 1080P and outputting 1080p/24 video signals to a TV compatible with 1080p/24.
	Off	Select this when Resolution is set to 1080P and outputting 1080p/60 video signals to a TV compatible with 1080p/60.
HDMI 3D	Auto	With 3D discs, the disc is played with 3D images.
	Off	3D images are not played.
3D Notice	Yes	This sets whether or not to display the 3D notice when playing 3D images.
	No	

Setting	Options	Explanation
Network	IP Setting	Select this to set the IP address of the player and DNS server (page 62).
	Proxy Server	Only set the proxy server if so instructed by your Internet service provider (page 63).
	Information	Displays the values of the MAC address, IP address, subnet mask, default gateway, DNS server (primary) and DNS server (secondary).
	Connection Test	Select this to test the network connection (page 63).
	Internet Connection	Enable Select this when connecting to the Internet.
		Disable Select this when not connecting to the Internet.
	BD-Live Connection	Permitted All discs are allowed to connect to BD-LIVE.
		Partial Permitted Only discs whose safety has been confirmed are allowed to connect to BD-LIVE.
		Prohibited No disc is allowed to connect to BD-LIVE.
	DLNA	Enable Select this when connecting to DLNA server.
		Disable Select this when not connecting to DLNA server.
Language	OSD	available languages Choose a language for the on-screen displays from the listed languages.
	Audio	available languages Choose a language from the listed languages to set the default audio language for BD-ROM and DVD-Video playback.
	* For some discs, it may not be possible to change to the selected language.	
	If a language not recorded on the BD/DVD is set, one of the recorded languages is automatically selected for playback.	
	Subtitle	available languages Choose a language from the listed languages to set the default subtitle language for BD-ROM and DVD-Video playback.
	* For some discs, it may not be possible to change to the selected language.	
	If a language not recorded on the BD/DVD is set, one of the recorded languages is automatically selected for playback.	
	Menu	available languages Choose a language from the listed languages to set the default language for BD-ROM and DVD-Video menus.
	* For some discs, it may not be possible to change to the selected language.	
	If a language not recorded on the BD/DVD is set, one of the recorded languages is automatically selected for playback.	
Playback	Angle Mark	On Select this to display the angle mark on the TV screen (page 42).
		Off Select this if you do not want to display the angle mark on the TV screen.
	PIP Mark	On Select this to display the PIP mark on the TV screen.
		Off Select this if you do not want to display the PIP mark on the TV screen.
	Secondary Audio Mark	On Select this to display the secondary audio mark on the TV screen (page 46).
		Off Select this if you do not want to display the secondary audio mark on the TV screen.
	DivX(R) VOD DRM	Registration Code Displays the player's registration code required to play DivX VOD files (page 14).
	Internet Setting	Permitted Web contents can be watched without entering the password.
		Partial Permitted The password must be entered to watch web contents.
		Prohibited No web contents can be watched.
	Disc Auto Playback	On Discs are played automatically after they are loaded.
		Off Loaded discs do not start playing automatically.
	Last Memory	On Select this to save the point at which you last stopped playback, even after the disc tray is opened or you switch to the standby mode.
		Off Select this when you want to use only Continue Viewing Play (page 47).
	PBC (Play Back Control)	On Select this to play Video-CDs (version 2.0) compatible with PBC using the disc menu.
		Off Select this to play Video-CDs (version 2.0) compatible with PBC without using the disc menu.
	Setup Navigator	Start making the settings using the Setup Navigator menu. For details, see page 36.
	Change Password	Register (change) the password for parental lock settings or for unlocking to play DVD-Videos with the parental lock feature (page 64).
Security	Parental Control	Change the player's parental lock level (page 64).
	Country Code	Change the Country/Area code (page 64).

	Setting	Options	Explanation
Options	Screen Saver	Off	The screen saver is not activated.
		1 min	The screen saver will be activated if no operation has been performed for more than one minute/two minutes/three minutes. Operating the remote control can deactivate the screen saver.
		2 min	
		3 min	
	Auto Power Off	Off	Select this if you do not want the power to turn off automatically.
		10 min	The power will be automatically turned off if no operation has been performed for more than 10 minutes/20 minutes/30 minutes.
		20 min	
		30 min	
	Quick Start	On	Select to shorten the required time to boot up.
		Off	Select to perform normal bootup.
	Update	Disc	Select the method of software updating. (page 65)
		USB Storage	
		Network	
	Load Default	Restore the settings to the factory default.	
	System Information	Check the system version number.	
Disc Auto Update	On	Display the software update screen when the disc with the player's update file is loaded.	
	Off	The software update screen must be displayed manually. (page 65)	
BUDA	BUDA Information BUDA Setup	Display and set up the BUDA data on the connected USB device.	
Karaoke Setup	Karaoke Switch	Off	Select when not using Karaoke.
		On	Select when using Karaoke.
	Microphone Setup	Mic Volume	Select to adjust the volume of your microphone. Use ◀/▶ to perform the adjustment on the mic volume adjustment screen.
		Mic Echo	Select to adjust the level of microphone echo. Use ◀/▶ to perform the adjustment on the mic echo adjustment screen.
	Vocal Cancel	Off	Select when you want Vocal Cancel off.
		On	Select when you want Vocal Cancel on.

❖ **Adjusting the video****1. Select and set Display Setting → Video Adjust → Next Screen.**

Use $\uparrow/\downarrow$ to select, then press **ENTER**.

2. Select the item and change the setting.

Use $\uparrow/\downarrow$ to select the item, then use $\leftarrow/\rightarrow$ to change the setting. Once the setting is completed, press $\rightarrow$ **RETURN** to close the settings screen.

Item	Description
Brightness	Select this to adjust the TV screen's brightness.
Contrast	Select this to adjust the TV screen's contrast.
Hue	Select this to adjust the color (green and red) balance of the TV screen.
Saturation	Select this to adjust the TV screen's saturation.

❖ **Adjust speaker settings****1. Select and set Audio Output → Speaker Setup → Next Screen.**

Use $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select, then press **ENTER**.

2. A picture of speakers will be shown on the screen. Select the speaker using cursor and press ENTER.**3. Use $\uparrow/\downarrow$ to select Trim or Delay and then press ENTER.****4. Use cursor $\leftarrow/\rightarrow$ to adjust the setting, then press ENTER.**❖ **Adjust speaker settings while listening to a sound****1. Select and set Audio Output → Test Tone → Next Screen.**

Use $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select, then press **ENTER**.

2. A test tone will be output. The speakers will switch automatically.**3. A picture of speakers will be shown on the screen. Press ENTER when the speaker you wish to adjust to is focused.****4. Use $\uparrow/\downarrow$ to select Trim or Delay and then press ENTER.****5. Use $\leftarrow/\rightarrow$ to adjust the setting, then press ENTER.**

*1ms = 30 cm

❖ **Setting the IP address****1. Select and set Network → IP Setting → Next Screen.**

Use $\uparrow/\downarrow$ to select, then press **ENTER**.

2. Set IP address.

Use $\uparrow/\downarrow/\leftarrow/\rightarrow$ to set the IP address of the player or DNS server, then press **ENTER**.

• **Auto Set IP Address**

On – The player's IP address is obtained automatically. Select this when using a broadband router or broadband modem that has a DHCP (Dynamic Host Configuration Protocol) server function. This player's IP address will automatically be allocated from the DHCP server.

Off – The player's IP address must be set manually. Use the number buttons (0 to 9) to input the IP address, subnet mask and default gateway.

! **Note**

- For information on the DHCP server function, refer to the operating instructions for the network device.
- You may need to contact your Internet service provider or network administrator when inputting the IP address manually.

❖ **Setting the proxy server**

Only set the proxy server if so instructed by your Internet service provider.

1. **Select and set Network → Proxy Server → Next Screen.**

Use **↕** to select, then press **ENTER**.

2. **Select and set Use or Not use at Proxy Server.**

Use **↔** to change, then press **↓**.

- **Use** – Select this when using a proxy server.
- **Not use** – Select this when not using a proxy server.

If you have selected **Use**, proceed to step 3.

3. **Select and set Server Select Method.**

Use **↔** to change, then press **↓**.

- **IP Address** – Input the IP address.
- **Server Name** – Input the server name.

4. **Input IP Address or Server Name.**

Use the number buttons (0 to 9) to input the number if you select IP address in step 3.

Use **↔** to move the cursor.

When Server Name is selected in step 3, use the number buttons (0 to 9) to launch the software keyboard. Now use **↕**/**↔**/**↔** to select characters and items, then press **ENTER** to input.

5. **Input Port Number.**

Press **↓**, then use the number buttons (0 to 9) to input the number.

6. **Press ENTER to set.**❖ **Displaying the network settings**▶ **Select and set Network → Information → Next Screen.**

Use **↕** to select, then press **ENTER**.

The MAC address, IP address, subnet mask, default gateway and DNS server (primary and secondary) settings are displayed.

When **Auto Set IP Address** is set to On, the values obtained automatically are displayed.

! **Note**

- **[0.0.0.0]** is displayed when each IP address has not been set.

❖ **Testing the network connection**▶ **Select and set Network → Connection Test → Start.**

Use **↕**/**↓** to select, then press **ENTER**.

[Network is OK.] is displayed once the test is completed. If any other message is displayed, check the connections and/or settings (pages 33 and 62).

❖ **Changing to other language at language setting**1. **Select and set Language.**

Use **↕**/**↓** to select, then press **ENTER**.

2. **Select and set OSD, Audio, Subtitle or Menu**

Use **↕**/**↓** to select, then press **ENTER**.

3. **Select and set the desired language.**

Use **↕**/**↓** to select, then press **ENTER**.

! **Note**

- If a language not recorded on the BD/DVD is set, one of the recorded languages is automatically selected and played.

❖ **Erasing data that has been added to BDs and application data**

Use this procedure to erase data that has been added to BDs (data downloaded with the BD-LIVE function and data used with the BONUSVIEW function) and application data.

! **Caution**

- Some time is required to erase the data.
- Do not unplug the power cord while data is being erased.

1. **Select and set BUDA → BUDA Setup.**

Use **↕**/**↓** to select, then press **ENTER**.

2. **Select and set Fmt buda.**

Press **ENTER**.

❖ Registering or Changing the password

Use this procedure to register or change the code number required for the Parental Lock settings.

About default password of this unit

The default password is [0000].

- This unit might ask you to enter a password when you change the password.
- If you reset this unit, your password is simultaneously changed to the default setting.

1. Select and set Security → Change Password → Next Screen.

Use **▲/▼** to select, then press **ENTER**.

2. Input the password.

Use the number buttons (0 to 9) to input the number, then press **ENTER** to set.

Use **◀/▶** to move the cursor.

3. Re-input the password.

Use the number buttons (0 to 9) to input the number, then press **ENTER** to set.

Use **◀/▶** to move the cursor.

- To change the password, input the previously registered password, then input the new password.



Note

- We recommend making a note of the password.
- If you have forgotten the password, reset the player to the factory default setting, then register the password again (page 66).

❖ Changing the Parental Lock level for viewing DVDs/BD-ROMs

Some DVD-Video discs containing scenes of violence, for example, have Parental Lock levels (check the indications on the disc's jacket or elsewhere). To restrict viewing these discs, set the player's level to the level lower than the discs.

1. Select and set Security → Parental Control → Next Screen.

Use **▲/▼** to select, then press **ENTER**.

2. Input the password.

Use the number buttons (0 to 9) to input the number, then press **ENTER** to set.

Use **◀/▶** to move the cursor.

3. Change the level.

Use **◀/▶** to change, then press **ENTER** to set.



Note

- The level can be set to Off or between Level1 and Level8. When set to Off, viewing is not restricted.

❖ Changing the Country/Area code

1. Select and set Security → Country Code → Next Screen.

Use **▲/▼** to select, then press **ENTER**.

2. Input the password.

Use the number buttons (0 to 9) to input the number, then press **ENTER** to set.

Use **◀/▶** to move the cursor.

3. Change the country/area code.

Use **◀/▶** to change, then press **ENTER** to set. Refer to page 67.

Software updating

The player's software can be updated using one of the methods shown below.

- Connecting to the Internet.
- Using a disc.
- Using a USB flash drive.

Product information on this player is provided on the Pioneer website. Check the website shown on page 9 for update and service information on your Blu-ray disc player.

Caution

- Do not unplug the power cord or remove the USB flash drive/disc during software updating. Also, do not reboot by pressing the  STANDBY/ON button for 5 seconds or longer. Otherwise, the updating will be aborted and malfunction may occur with the player.
- There are two processes for software updating, downloading and updating. Both processes may take a certain period of time.
- Other operations are defeated during software updating. Furthermore, updating process cannot be canceled.

❖ Updating connecting to the Internet

Note

- Depending on the Internet connection conditions, downloading may take a long time.
- Steps **1** to **5** are the operations performed by the user (they are intended to download the software from the Internet).
- Steps **6** to **8** are the operations performed (automatically) by the player (they are intended to update the software).

1. Connect to the Internet.

2. When playback is stopped, display the Home Menu screen.

Press  HOME MENU.

3. Select and set Initial Setup.

Use  to select, then press ENTER.

4. Select and set Options → Update → Network → Start.

Use  to select, then press ENTER.

5. Select and set Start.

Press ENTER.

6. Downloading of the software start.

The software download status is displayed on the screen.

- Depending on the Internet connection conditions, software downloading may take a certain period of time.

7. Updating starts.

- Software updating may take a certain period of time.

8. Updating completes.

This unit automatically restarts.

❖ **Updating using a USB flash drive/disc****! Note**

- When an update file is provided on the Pioneer website, use your computer to download it onto a USB flash drive or disc. Carefully read the instructions on downloading update files provided on the Pioneer website.
- Store the update file in the root directory of the USB flash drive or disc. Do not store it within a folder.
- Do not put any files other than the update file on the USB flash drive or disc.
- To update using a disc, use a CD-R or CD-RW disc.
- The player supports USB flash drive formatted in FAT32/16. When formatting a USB flash drive on your computer, do so with the settings below.
 - File system: FAT32
 - Allocation unit size: Default allocation size
- Only store the most recent update file on the USB flash drive or disc.
- Do not use a USB extension cable to connect a USB flash drive to the player. Using a USB extension cable may prevent the player from performing correctly.
- Steps **1** to **5** are the operations performed by the user.
- Steps **6** to **7** are the operations performed (automatically) by the player (they are intended to update the software).

- 1. Plug in the USB flash drive or load the disc on which the update file is stored.**
- 2. When playback is stopped, display the Home Menu screen.**
Press **HOME MENU**.
- 3. Select and set Initial Setup.**
Use **▲/▼** to select, then press **ENTER**.
- 4. Select and set Options → Update → Disc or USB Storage → Start.**
Use **▲/▼** to select, then press **ENTER**.
- 5. Select and set Yes.**
Use **▲/▼/◀/▶** to select **Yes**, then press **ENTER**.
- 6. Updating starts.**
 - Software updating may take a certain period of time.
- 7. Updating completes.**

Restoring all the settings to the factory default settings

- 1. Check that the player's power is turned on.**
- 2. When playback is stopped, display the Home Menu screen.**
Press **HOME MENU**.
- 3. Select and set Initial Setup.**
Use **▲/▼** to select, then press **ENTER**.
- 4. Select and set Options → Load Default → Next Screen.**
Use **▲/▼** to select, then press **ENTER**.
- 5. Select and set OK.**
Use **◀/▶** to select, then press **ENTER**.
- 6. Press **STANDBY/ON** to turn off the power.**
- 7. Press **STANDBY/ON** to turn on the power.**

! Note

- After restoring all the settings to the factory default settings, use **Setup Navigator** to reset the player (page 36).

Language code table and country/area code table

❖ Language code table

Language name, language code, input code

Abkhazian, **ab/abk**, 0102
Afar, **aa/aa**, 0101
Afrikaans, **af/af**, 0106
Albanian, **sq/sqi**, 1917
Amharic, **am/amh**, 0113
Arabic, **ar/ara**, 0118
Armenian, **hy/hye**, 0825
Assamese, **as/asm**, 0119
Aymara, **ay/aym**, 0125
Azerbaijani, **az/aze**, 0126
Bashkir, **ba/bak**, 0201
Basque, **eu/eus**, 0521
Belarusian, **be/bel**, 0205
Bengali, **bn/ben**, 0214
Bihari, **bh/bih**, 0208
Bislama, **bi/bis**, 0209
Breton, **br/bre**, 0218
Bulgarian, **bg/bul**, 0207
Burmese, **my/mya**, 1325
Catalan, **ca/cat**, 0301
Central Khmer, **km/khm**, 1113
Chinese, **zh/zho**, 2608
Corsican, **co/cos**, 0315
Croatian, **hr/hrv**, 0818
Czech, **cs/ces**, 0319
Danish, **da/dan**, 0401
Dutch, **nl/nld**, 1412
Dzongkha, **dz/dzo**, 0426
English, **en/eng**, 0514
Esperanto, **eo/epo**, 0515
Estonian, **et/est**, 0520
Finnish, **fi/fin**, 0609
Fijian, **fj/fij**, 0610
Faroese, **fo/fao**, 0615
French, **fr/fra**, 0618
Galician, **gl/glg**, 0712
Georgian, **ka/kat**, 1101
German, **de/deu**, 0405
Greek, **el/ell**, 0512
Guarani, **gn/grn**, 0714
Gujarati, **gu/guj**, 0721
Hausa, **ha/hau**, 0801
Hebrew, **iw/heb**, 0923
Hindi, **hi/hin**, 0809
Hungarian, **hu/hun**, 0821
Icelandic, **is/isl**, 0919
Indonesian, **in/ind**, 0914
Interlingua, **ia/ina**, 0901
Interlingue, **ie/ile**, 0905
Inupiaq, **ik/ikp**, 0911
Irish, **ga/gle**, 0701
Italian, **it/ita**, 0920
Japanese, **ja/jpn**, 1001
Javanese, **jw/jav**, 1023
Kalaallisut, **kl/kal**, 1112
Kannada, **kn/kan**, 1114
Kashmiri, **ks/kas**, 1119
Kazakh, **kk/kaz**, 1111
Kinyarwanda, **rw/kin**, 1823
Kirghiz, **ky/kir**, 1125
Korean, **ko/kor**, 1115
Kurdish, **ku/kur**, 1121
Lao, **lo/loa**, 1215
Latin, **la/lat**, 1201
Latvian, **lv/lav**, 1222
Lingala, **ln/lin**, 1214
Lithuanian, **lt/lit**, 1220
Macedonian, **mk/mkd**, 1311

Malagasy, **mg/mlg**, 1307
Malay, **ms/msa**, 1319
Malayalam, **ml/mal**, 1312
Maltese, **mt/mlt**, 1320
Maori, **mi/mri**, 1309
Marathi, **mr/mar**, 1318
Mongolian, **mn/mon**, 1314
Moldavian, **mo/mol**, 1315
Nauru, **na/nau**, 1401
Nepali, **ne/nep**, 1405
Norwegian, **no/nor**, 1415
Occitan, **oc/oci**, 1503
Oriya, **or/ori**, 1518
Oromo, **om/orm**, 1513
Punjabi, **pa/pan**, 1601
Persian, **fa/fas**, 0601
Polish, **pl/pol**, 1612
Portuguese, **pt/por**, 1620
Pushto, **ps/psu**, 1619
Quechua, **qu/que**, 1721
Romanian, **ro/ron**, 1815
Romansch, **rm/rho**, 1813
Rundi, **rn/run**, 1814
Russian, **ru/rus**, 1821
Samoan, **sm/smo**, 1913
Sango, **sg/sag**, 1907
Sanskrit, **sa/san**, 1901
Scottish Gaelic, **gd/gla**, 0704
Serbian, **sr/srp**, 1918
Serbo-Croatian, **sh/—**, 1908
Shona, **sn/sna**, 1914
Sindhi, **sd/snd**, 1904
Sinhalese, **si/sin**, 1909
Slovak, **sk/slk**, 1911
Slovenian, **sl/slv**, 1912
Somali, **so/som**, 1915
Sotho, Southern, **st/sot**, 1920
Spanish, **es/spa**, 0519
Sundanese, **su/sun**, 1921
Swahili, **sw/swa**, 1923
Swati, **ss/ssw**, 1919
Swedish, **sv/swe**, 1922
Tagalog, **tl/tgl**, 2012
Tajik, **tg/tgk**, 2007
Tamil, **ta/tam**, 2001
Tatar, **tt/tat**, 2020
Telugu, **te/tel**, 2005
Thai, **th/tha**, 2008
Tibetan, **bo/bod**, 0215
Tigrinya, **ti/tir**, 2009
Tonga (Tonga Islands), **to/ton**, 2015
Tsonga, **ts/tso**, 2019
Tswana, **tn/tsw**, 2014
Turkmen, **tk/tuk**, 2011
Turkish, **tr/tur**, 2018
Twi, **tw/twi**, 2023
Ukrainian, **uk/ukr**, 2111
Urdu, **ur/urd**, 2118
Uzbek, **uz/uzb**, 2126
Vietnamese, **vi/vie**, 2209
Volapük, **vo/vol**, 2215
Welsh, **cy/cym**, 0325
Western Frisian, **fy/fry**, 0625
Wolof, **wo/wol**, 2315
Xhosa, **xh/xho**, 2408
Yiddish, **yi/yid**, 1009
Yoruba, **yo/yor**, 2515
Zulu, **zu/zul**, 2621

❖ Country/area code table

Country/Area name, Country/Area code, input code

Anguilla, **ai**, 0109
Antigua and Barbuda, **ag**, 0107
Argentina, **ar**, 0118
Armenia, **am**, 0113
Australia, **au**, 0121
Austria, **at**, 0120
Azerbaijan, **az**, 0126
Bahamas, **bs**, 0219
Barbados, **bb**, 0202
Belarus, **by**, 0225
Belgium, **be**, 0205
Belize, **bz**, 0226
Bermuda, **bm**, 0213
Brazil, **br**, 0218
Bulgaria, **bg**, 0207
Canada, **ca**, 0301
Cayman Islands, **ky**, 1125
Chile, **cl**, 0312
China, **cn**, 0314
Colombia, **co**, 0315
Croatia, **hr**, 0818
Cyprus, **cy**, 0325
Czech Republic, **cz**, 0326
Denmark, **dk**, 0411
Dominica, **dm**, 0413
Dominican Republic, **do**, 0415
Estonia, **ee**, 0505
Finland, **fi**, 0609
France, **fr**, 0618
Georgia, **ge**, 0705
Germany, **de**, 0405
Greece, **gr**, 0718
Greenland, **gl**, 0712
Grenada, **gd**, 0704
Guyana, **gy**, 0725
Haiti, **ht**, 0820
Hong Kong, **hk**, 0811
Hungary, **hu**, 0821
Iceland, **is**, 0919
India, **in**, 0914
Indonesia, **id**, 0904
Ireland, **ie**, 0905
Israel, **il**, 0912
Italy, **it**, 0920
Jamaica, **jm**, 1013
Japan, **jp**, 1016
Kazakhstan, **kz**, 1126
Korea, Republic of, **kr**, 1118
Kyrgyzstan, **kg**, 1107
Latvia, **lv**, 1222
Liechtenstein, **li**, 1209
Lithuania, **lt**, 1220

Luxembourg, **lu**, 1221
Macedonia, the Former Yugoslav Republic of, **mk**, 1311
Malaysia, **my**, 1325
Malta, **mt**, 1320
Mexico, **mx**, 1324
Moldova, Republic of, **md**, 1304
Monaco, **mc**, 1303
Montserrat, **ms**, 1319
Netherlands, **nl**, 1412
New Zealand, **nz**, 1426
Norway, **no**, 1415
Pakistan, **pk**, 1611
Peru, **pe**, 1605
Philippines, **ph**, 1608
Poland, **pl**, 1612
Portugal, **pt**, 1620
Puerto Rico, **pr**, 1618
Romania, **ro**, 1815
Russian Federation, **ru**, 1821
Saint Kitts and Nevis, **kn**, 1114
Saint Lucia, **lc**, 1203
Saint Vincent and the Grenadines, **vc**, 2203
San Marino, **sm**, 1913
Singapore, **sg**, 1907
Slovakia, **sk**, 1911
Slovenia, **si**, 1909
Spain, **es**, 0519
Suriname, **sr**, 1918
Sweden, **se**, 1905
Switzerland, **ch**, 0308
Taiwan, Province of China, **tw**, 2023
Tajikistan, **tj**, 2010
Thailand, **th**, 2008
Trinidad and Tobago, **tt**, 2020
Tunisia, **tn**, 2014
Turkey, **tr**, 2018
Turkmenistan, **tm**, 2013
Turks and Caicos Islands, **tc**, 2003
Ukraine, **ua**, 2101
United Kingdom, **gb**, 0702
United States, **us**, 2119
Uruguay, **uy**, 2125
Uzbekistan, **uz**, 2126
Venezuela, **ve**, 2205
Virgin Islands, British, **vg**, 2207

Chapter 9
Troubleshooting

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

Picture

Problem	Check	Remedy
No picture is displayed or the picture is not displayed properly.	Is the video cable properly connected?	• Connect the cable properly according to the connected devices (page 28). • Disconnect the cable (video/audio cable or HDMI cable), then reconnect it firmly and all the way in.
	Is the video cable damaged?	If the cable is damaged, replace it with a new one.
	Is the input setting on the connected TV right?	Read the operating instructions for the connected components and switch to the proper input.
	Is the output video resolution properly set?	Press RESOLUTION to switch the video resolution output from the HDMI OUT terminal (page 17).
	• Is the player connected with an HDMI cable other than a High Speed HDMI®/™ Cable (with a Standard HDMI®/™ cable)? • Are you using an HDMI cable with a built-in equalizer?	1080p or Deep Color video signals may not be output properly, depending on the HDMI cable being used or the player's settings. If you wish to output the video signals with 1080p or Deep Color, connect the TV using a High Speed HDMI®/™ cable without a built-in equalizer, then reset the player using the Setup Navigator (page 36).
	Is a DVI device connected?	The picture may not be displayed properly if a DVI device is connected.
No picture is displayed or picture is not output in high definition when playing BDs. • Picture is disturbed during playback. • Picture is dark.	Is Color Space properly set?	Change the Color Space setting (page 59).
		With some discs, it may not be possible to output the video signals from the VIDEO output terminal. In this case, connect using an HDMI cable (page 28).
		• This player supports Rovi analog copy protection technology. With some TVs (such as with built-in video deck), the picture will not be displayed properly when the copy protected DVD title is played. This is not a malfunction. • If the player and TV are connected via a DVD recorder/video deck, etc., the picture will not be displayed properly due to analog copy protection. Connect the player and TV directly.
• Picture is stretched. • Picture is cropped. • Aspect ratio cannot be switched.	Is the TV's aspect ratio properly set?	Read the operating instructions for the TV and set the TV's aspect ratio properly.
	Is TV Screen properly set?	Set TV Screen properly (page 58). When video signals with a resolution of 1080/50i, 1080/50p, 720/50p, 1080/24p, 1080/60i, 1080/60p or 720/60p are being output from the HDMI OUT terminal, they may be output with an aspect ratio of 16:9 even if TV Screen is set to 4:3 Pan&Scan (page 58).
Picture is interrupted.		The picture may be interrupted when the resolution of the recorded video signal switches. Press RESOLUTION to select a setting other than Auto (page 59).
Blu-ray 3D disc playback does not output 3D views.		• Connect the player to your TV with HDMI cable (High Speed HDMI®/™ Cable). • Your TV may not support "HDMI 3D mandatory format".

Sound

Problem	Check	Remedy
- No sound is output. - Sound is not output properly.	- Is the disc played back in slow motion? - Is the disc played back in fast forward or fast reverse?	No sound is output during slow motion play and forward and reverse scanning.
	Are the cables properly connected?	- Connect the cable properly according to the connected devices (page 28). - Insert the cable firmly and all the way in.
	Is the audio cable damaged?	If the cable is damaged, replace it with a new one.
	Is Audio Output properly set?	Set Audio Output properly, according to the connected device (page 59).
	Are the connected components properly set?	Read the operating instructions for the connected components and check the volume, input, speaker settings, etc.
Multi-channel sound is not output.	Is multi-channel sound selected?	Use the menu screen or AUDIO to switch the disc's sound to multi-channel.
No sound from surround or center speaker.		- Check to confirm that the speakers are connected properly. - Check the volume setting in the Speaker Setup for Audio Menu menu (page 59).
No sound from the sub-woofer.		When the audio signal being played has no bass component, no sound will come from the sub-woofer. Check the volume setting in the Speaker Setup for Audio Menu (page 59).
Excessive noise during radio reception.		- Connect an antenna and set to the best reception position. - Set an FM antenna outside the house. - Turn power off the electric devices that may be causing the noise or move these devices away from this unit.

Playback

Problem	Check	Remedy
- Disc does not play. - Disc tray opens automatically.	Is the disc one that is playable on this player?	Check whether the disc is one that can be played on this player (page 10).
	Is the file one that is playable on this player?	- Check whether the file is one that can be played on this player (page 14). - Check whether or not the file is damaged.
	Is the disc scratched?	It may not be possible to play scratched discs.
	Is the disc dirty?	Clean the disc (page 76).
	Is there a piece of paper or sticker attached to the disc?	The disc may be warped and unplayable.
	Is the disc properly set in the disc tray?	- Set the disc with the printed side facing up. - Set the disc properly in the depression in the disc tray.
	Is the region number correct?	See page 12 for the region numbers of discs that can be played on this player.
Picture freezes and the front panel and remote control buttons stop working.		- Press STOP to stop playback, then restart playback. - If the playback cannot be stopped, press STANDBY/ON on the player's front panel to turn off the power, then turn the power back on. - Press STANDBY/ON on the player for more than 5 seconds. The unit reboots, and the operation becomes possible.
The subtitles cannot be switched.		The subtitles cannot be switched for discs recorded on a DVD or BD recorder.
After a disc is inserted, Loading stays displayed and playback does not start.	Are there too many files recorded on the disc?	When a disc on which files are recorded is inserted, depending on the number of files recorded on the disc, loading may take several dozen minutes.
(■) is displayed in file names, etc.		The characters that cannot be displayed on this player are displayed in (■).
A message indicating low memory appears while playing a BD-ROM disc.		- Connect a USB device (page 35). - Erase the data stored on the connected USB device from BUDA Setup (page 63).

Control function

Problem	Check	Remedy
Control function does not work.	Is the HDMI cable properly connected?	To use the Control function, connect the Flat Screen TV to the HDMI OUT terminal (page 28).
	Is the HDMI cable you are using a High Speed HDMI®/™ Cable?	Use a High Speed HDMI®/™ Cable. The Control function may not work properly if an HDMI cable other than a High Speed HDMI®/™ Cable is used.
	Is this player connected to the TV using an HDMI cable to watch the picture?	If video signals are being output from a terminal other than the HDMI OUT terminal, the Control function does not work. Connect to the TV using an HDMI cable (page 28).
	Does the connected device support the Control function?	• The Control function will not work with devices of other brands that do not support the Control function, even when connected using an HDMI cable. • The Control function will not work if devices that do not support the Control function are connected between the Control-compatible device and the player. • See page 16. • Even when connected to a Pioneer product compatible with the Control function, some of the functions may not work. Also refer to the operating instructions for the connected device.
	Is Control set to On on the connected device?	Set Control to On on the connected device. The Control function operates when Control is set to On for all devices connected to the HDMI OUT terminal. Once connections and settings of all the devices are finished, be sure to check that the player's picture is output to the Flat Screen TV. (Also, check after changing the connected devices and connecting and/or disconnecting HDMI cables.) If the player's picture is not being output to the Flat Screen TV, the Control function may not work properly. For details, refer to the operating instructions of the connected device.

Network

Problem	Check	Remedy
• BD-LIVE function (connection to the Internet) cannot be used. • "No valid id file found!" is displayed when I try to update the software.		Perform Connection Test (page 63). If "Networks is OK," is displayed, check the proxy server settings (page 63). Also, there may be a problem with the Internet connection. Contact your Internet service provider.
Software updating is slow.		Depending on the Internet connection and other conditions, some time may be required to update the software.
A message other than "Networks is OK." is displayed when Connection Test is performed.	Is "Network is FAILED." displayed?	• Check that this player and the Ethernet hub (or router with a hub functionality) are properly connected. • If the IP address is obtained using the DHCP server function, check the setting is correct at the Information (page 60). For details on the DHCP server function, see the operating instructions for the Ethernet hub (or router with a hub functionality). • Set the IP address manually. • Check the operation and settings of the DHCP server function of the Ethernet hub (or router with hub functionality). For details on the DHCP server function, see the operating instructions for the Ethernet hub (or router with a hub functionality). • If this player has been set manually, reset the IP address of this player or other components.
	Is the Ethernet hub (or router with a hub functionality) operating properly?	• Check the settings and operation the Ethernet hub (or router with a hub functionality). For details, see the operating instructions for the Ethernet hub. • Reboot the Ethernet hub (or router with a hub functionality).
Cannot access to the component or PC connected via network.	Internet security software is currently installed in the connected component.	There are cases where a component with Internet security software installed cannot be accessed.
	The audio component on the network which has been switched off is switched on.	Switch on the audio component on the network before switching on this unit.

Problem	Check	Remedy
	The component connected to the network is not properly set.	If the client is automatically authorized, you need to enter the corresponding information again. Check whether the connection status is set to "Do not authorize".
	There are no playable audio files on the component connected to the network.	Check the audio files stored on the component connected to the network.
Playback does not start.	The component is currently disconnected from this unit or the power supply.	Check whether the component is properly connected to this unit or the power supply.
The PC is not properly operated.	The corresponding IP address is not properly set.	Switch on the built-in DHCP server function of your router, or set up the network manually according to your network environment.
	The IP address is being automatically configured.	The automatic configuration process takes time. Please wait.
The audio files stored on components on the network, such as a PC, cannot be played back.	Windows Media Player 11 or Windows Media Player 12 is not currently installed on your PC.	Install Windows Media Player 11 or Windows Media Player 12 on your PC.
	Audio files were recorded in formats other than MP3, WAV (LPCM only), MPEG-4 AAC, FLAC, and WMA.	Play back audio files recorded in MP3, WAV (LPCM only), MPEG-4 AAC, FLAC, or WMA. Note that some audio files recorded in these formats may not be played back on this unit.
	Audio files recorded in MPEG-4 AAC or FLAC are being played back on Windows Media Player 11 or Windows Media Player 12.	Audio files recorded in MPEG-4 AAC or FLAC cannot be played back on Windows Media Player 11 or Windows Media Player 12. Try using another server. Refer to the operation manual supplied with your server.
	The component connected to the network is not properly operated.	Check whether the component is affected by special circumstances or is in the sleep mode. Try rebooting the component if necessary.
	The component connected to the network does not permit file sharing.	Try changing the settings for the component connected to the network.
	The folder stored on the component connected to the network has been deleted or damaged.	Check the folder stored on the component connected to the network.
	Network connections could be restricted due to the computer's network settings, security settings, etc.	Check the computer's network settings, security settings, etc.
Cannot access Windows Media Player 11 or Windows Media Player 12.	In case of Windows Media Player 11: You are currently logged onto the domain through your PC with Windows XP or Windows Vista installed. In case of Windows Media Player 12: You are currently logged onto the domain through your PC with Windows 7 installed.	Instead of logging onto the domain, log onto the local machine.
Audio playback is undesirably stopped or disturbed.	The audio file currently being played back was not recorded in a format playable on this unit.	• Check whether the audio file was recorded in a format supported by this unit. • Check whether the folder has been damaged or corrupted. Even audio files listed as playable on this unit may sometimes not be played back or displayed.
	The LAN cable is currently disconnected.	Connect the LAN cable properly.
	There is heavy traffic on the network with the Internet being accessed on the same network.	Use 100BASE-TX to access the components on the network.
	There is a connection routed through a wireless LAN on the same network.	• There may be a shortage of bandwidth on the 2.4 GHz band used by the wireless LAN. Make wired LAN connections not routed through a wireless LAN. • Install away from any devices emitting electromagnetic waves on the 2.4 GHz band (microwave ovens, game consoles, etc.). If this does not solve the problem, stop using other devices that emit electromagnetic waves.

Others

Problem	Check	Remedy
Power does not turn on.	Is the power cord properly connected?	- Plug the power cord securely into the power outlet. - Unplug the power cord, wait several seconds, then plug the power cord back in.
Power turns OFF without warning		Auto Power Off is set. The display will move to screen saver mode in 1 minute and will automatically power OFF in about 30 minutes.
The player's power turns off automatically.	Is Control set to On ?	The player's power may turn off together with the power of the TV connected to the HDMI OUT terminal. If you do not want the player's power to turn off when the TV's power is turned off, set Control to Off (page 59).
The player's power turns on automatically.	Is Control set to On ?	The player's power may turn on together with the power of the TV connected to the HDMI OUT terminal. If you do not want the player's power to turn on when the TV's power is turned on, set Control to Off (page 59).
Cannot be operated with the remote control.	Are you operating the remote control from a point too far away from the player?	Operate from within 7 m of the remote control sensor.
	Are the batteries dead?	Replace the batteries (page 9).
Settings I have made have been cleared.	- Have you disconnected the power cord while the player's power was on? - Has there been a power failure?	Always press ⏻ STANDBY/ON on the player's front panel or ⏻ STANDBY/ON on the remote control, check that POWER OFF has turned off from the player's front panel display and wait for more than 10 seconds before disconnecting the power cord. Be particularly careful when the power cord is connected to the AC outlet on another device because the player turns off in conjunction with the device.
USB (external storage) device does not work with this player properly.	Is the USB device properly connected?	- Turn the player's power off, then turn the power back on. - Turn the player's power off, then reconnect the external storage device (page 35).
	Is the USB device connected via an extension cable?	Do not use an extension cable. The player may not work properly with it.
	Is the external storage device connected to the USB port via a memory card reader or USB hub?	External storage device may not work if connected to the USB port via a memory card reader or USB hub.
	Does the external storage device contain multiple partitions?	External storage devices may not be recognized if they contain multiple partitions.
		Some external storage devices may not operate.
	Is the external storage device write-protected?	Turn the player's power off, then disable the write-protection.
	Is the external storage device's file system FAT16 or FAT32?	Only external storage devices with a FAT16 or FAT32 file system can be used.
		Turn the player's power off, then turn the power back on.
Display window is dark		Press the DIMMER on the remote and select the desired display brightness.

Chapter 10

Appendix

Specifications

General for BCS-424/BCS-222	
Power requirements	AC 110 V to 240 V, 50 Hz/60 Hz
Power consumption	190 W (In Standby mode: Less than 0.5 W)
Dimensions (W x H x D)	Approx. 430 mm x 345 mm x 62 mm
Net Weight (Approx.)	3.4 kg
Operating temperature	5 °C to 35 °C
Operating humidity	5 % to 85 %

General for BCS-FS121	
Power requirements	AC 110 V to 240 V, 50 Hz/60 Hz
Power consumption	105 W (In Standby mode: Less than 0.5 W)
Dimensions (W x H x D)	Approx. 430 mm x 345 mm x 62 mm
Net Weight (Approx.)	3.3 kg
Operating temperature	5 °C to 35 °C
Operating humidity	5 % to 85 %

Inputs/Outputs	
VIDEO OUT	1.0 V (p-p), 75 Ω , sync negative, RCA jack x 1
HDMI IN/OUT (video/audio)	19 pin (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 2 (48 kHz, 96 kHz sampling)
PORTABLE IN	0.5 Vrms (3.5 mm stereo jack)
ADAPTER PORT	5 V, 100 mA
MIC	Mic jack x 1
USB	4 pin A Type x 2

Tuner	
FM Tuning Range	87.5 MHz to 108.0 MHz
Antenna input	75 Ω unbalanced

Amplifier for BCS-424/BCS-222	
Power output (RMS) THD 30 %	
Total	1100 W
Front	170 W × 2 (4 Ω)
Center	250 W (3 Ω)
Rear	170 W × 2 (4 Ω)
Sub-Woofer	250 W (3 Ω)

Amplifier for BCS-FS121	
Power output (RMS) THD 30 %	
Total	550 W
Front	170 W × 2 (4 Ω)
Sub-Woofer	250 W (3 Ω)

System	
Laser	Semiconductor laser
Signal system	Standard PAL/NTSC colour TV system
LAN port	Ethernet jack x 1, 10BASE-T / 100BASE-TX
Bus Power Supply (USB)	DC 5 V  500 mA

Speakers for BCS-424			
S-BD422			
• Front (Left/Right)			
Type	2 Way	Net Dimensions (W x H x D)	250 mm x 1110 mm x 250 mm
Impedance Rated	4 Ω	Net Weight	3.5 kg
• Surround speaker (Left/ Right)			
Type	1 Way	Net Dimensions (W x H x D)	250 mm x 1110 mm x 250 mm
Impedance Rated	4 Ω	Net Weight	3.4 kg
• Center speaker			
Type	1 Way	Net Dimensions (W x H x D)	230 mm x 80 mm x 90 mm
Impedance Rated	3 Ω	Net Weight	0.7 kg
• Subwoofer			
Type	1 Way	Net Dimensions (W x H x D)	200 mm x 340 mm x 270 mm
Impedance Rated	3 Ω	Net Weight	3.4 kg

Speakers for BCS-222**S-BD122**

• Front/Surround speaker (Left/Right)

Type	1 Way	Net Dimensions (W x H x D)	95 mm x 80 mm x 90 mm
Impedance Rated	4 Ω	Net Weight	0.3 kg

• Center speaker

Type	1 Way	Net Dimensions (W x H x D)	230 mm x 80 mm x 90 mm
Impedance Rated	3 Ω	Net Weight	0.7 kg

• Subwoofer

Type	1 Way	Net Dimensions (W x H x D)	200 mm x 340 mm x 270 mm
Impedance Rated	3 Ω	Net Weight	3.4 kg

Speakers for BCS-F5121**S-BD122FS**

• Front/Surround speaker (Left/Right)

Type	1 Way	Net Dimensions (W x H x D)	95 mm x 80 mm x 90 mm
Impedance Rated	4 Ω	Net Weight	0.3 kg

• Subwoofer

Type	1 Way	Net Dimensions (W x H x D)	200 mm x 340 mm x 270 mm
Impedance Rated	3 Ω	Net Weight	3.4 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.

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