EXHIBIT A

DECLARATION OF MARVIN MILLER IN SUPPORT OF
PLAINTIFF SONY COMPUTER ENTERTAINMENT AMERICA
LLC'S OPPOSITION TO DEFENDANT GEORGE HOTZ'S
MOTION TO DISMISS FOR LACK OF PERSONAL
JURISDICTION AND IMPROPER VENUE

SONY®

PS3

PlayStation®3

Instruction Manual
Manual de Instrucciones

Before using this product, carefully read all product documentation and retain it for future reference.
Antes de utilizar este producto, lea detenidamente toda la documentación del producto y consérvela para consultarla en el futuro.

CECH-2001A
CECH-2001B

4-156-992-**61**(1)

WARNING

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Caution

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

The use of optical instruments with this product will increase eye hazard.

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CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
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This appliance is classified as a CLASS 1 LASER product under IEC60825-1+A2:2001.

This equipment complies with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated with at least 20 cm (8 in) and more between the radiator and person's body (excluding extremities: hands, wrists, feet and legs).
This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
The wireless controller complies with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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If you have questions about this product, contact SCEA Consumer Services (••► back cover) or write to:
Sony Computer Entertainment America
Consumer Services/Technical Support
PO Box 5888, San Mateo, CA 94402-0888 U.S.A.

Declaration of Conformity	
Trade Name :	SONY
Model No. :	CECH-2001A, CECH-2001B and CECHZC2U
Responsible Party :	Sony Electronics Inc.
Address :	16530 Via Esprillo San Diego, CA 92127 U.S.A.
Telephone No. :	858-942-2230

This device complies with Part 15 of the FCC Rules and RSS-Gen of IC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of this device.

About the lithium coin memory back-up battery

The lithium coin memory back-up battery inside this product contains Perchlorate. The following statement is required by the State of California, USA·

Perchlorate Material - special handling may apply, See
http://www.dtsc.ca.gov/hazardouswaste/perchlorate

A very small percentage of individuals may experience epileptic seizures or blackouts when exposed to certain light patterns or flashing lights. Exposure to certain patterns or backgrounds on a television screen or when playing video games may trigger epileptic seizures or blackouts in these individuals. These conditions may trigger previously undetected epileptic symptoms or seizures in persons who have no history of prior seizures or epilepsy. If you, or anyone in your family, has an epileptic condition or has had seizures of any kind, consult your physician before playing.

IMMEDIATELY DISCONTINUE use and consult your physician before resuming gameplay if you or your child experience any of the following health problems or symptoms:

- dizziness,
- altered vision,
- eye or muscle twitches,
- loss of awareness,
- disorientation,
- seizures, or
- any involuntary movement or convulsion.

RESUME GAMEPLAY ONLY ON APPROVAL OF YOUR PHYSICIAN.

Use and handling of video games to reduce the likelihood of a seizure

- Use in a well-lit area and keep as far away as possible from the television screen.
- Avoid large screen televisions. Use the smallest television screen available.
- Avoid prolonged use of the PS3™ system. Take a 15-minute break during each hour of play.
- Avoid playing when you are tired or need sleep.

WARNING

US

WARNING

Radio waves

Radio waves may affect electronic equipment or medical devices (for example, pacemakers), which may cause malfunctions and possible injuries.

- If you use a pacemaker or other medical device, consult your physician or the manufacturer of your medical device before using the wireless networking feature (Bluetooth® and wireless LAN).
- Do not use the wireless networking feature in the following locations:
  - Areas where wireless network use is prohibited, such as in hospitals. Abide by medical institution regulations when using the system on their premises.
  - Areas near fire alarms, automatic doors and other types of automated equipment.

PlayStation® and PlayStation®2 format software

This model of the PlayStation®3 system is designed to play PlayStation®3 format software and has limited backward compatibility. This system is not compatible with and will not play PlayStation®2 format software. Some PlayStation® format software may play on this system. For more information, visit www.us.playstation.com.

System software

The system software included within this product is subject to a limited license from Sony Computer Entertainment Inc. Refer to http://www.scei.co.jp/ps3-eula for further details.

About national export control

This product may fall within the scope of national export control legislation. You must comply fully with the requirements of such legislation and of all other applicable laws of any jurisdiction in relation to this product.

Notice about U.S. Export Administration Regulations

This product contains software that is subject to certain restrictions under the U.S. Export Administration Regulations, and may not be exported or re-exported to U.S. embargoed destinations. In addition this product may not be exported or re-exported to persons and entities prohibited by the U.S. Export Administration Regulations.

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Table of contents

Precautions

Before using this product, carefully read all the precautions.

Safety

This product has been designed with the highest concern for safety. However, any electrical device, if used improperly, has the potential for causing fire, electrical shock or personal injury. To help ensure accident-free operation, follow these guidelines:

- Observe all warnings, precautions and instructions.
- Regularly inspect the AC power cord for damage.
- Stop use, unplug the AC power cord from the electrical outlet and disconnect any other cables immediately if the device functions in an abnormal manner, produces unusual sounds or smells or becomes too hot to touch.
- For more information on product safety and support, visit our website (••▶ back cover).

Use and handling

- Use in a well-lit area and keep as far away as possible from the television screen.
- Avoid prolonged use of the PS3™ system and wireless controller.
- Stop using the system immediately if you begin to feel tired or if you experience discomfort or pain in your hands or arms while operating the wireless controller. If the condition persists, consult a doctor.
- If you experience any of the following health problems, discontinue use of the system immediately. If symptoms persist, consult with your physician.
  - Dizziness, nausea, fatigue or symptoms similar to motion sickness
  - Discomfort or pain in a part of the body, such as eyes, ears, hands or arms
- Keep the system and accessories, including cable ties and fasteners, out of the reach of small children.
- Do not connect cables other than a USB cable while the system is turned on (power indicator is lit solid green).

- Any TV or component connected to the system must be functioning properly and free of defects. If a TV or component connected to the system is faulty or defective, it may cause damage to the TV or component, or to the system itself. As with all electrical products, connection to faulty or defective components, or the failure to connect to a properly wired outlet, may cause sparking and pose a fire hazard.
- Do not touch the system or connected cables or accessories during an electrical storm.
- Do not use the system or accessories near water.
- Do not allow liquid, small particles or other foreign objects to get into the system or accessories.
- Do not touch the connectors of the system or accessories.
- Do not expose the system or accessories to dust, smoke or steam. Also, do not place the system in an area subject to excessive dust or cigarette smoke. Dust build-up or cigarette smoke residue on the internal components (such as the lens) may cause the system to malfunction.
- Do not expose the system or accessories to high temperatures, high humidity or direct sunlight.
- Do not place the system or accessories on surfaces that are unstable, tilted or subject to vibration.
- Do not set the system other than in the vertical or horizontal position. When setting the system in the vertical position, use the vertical stand (sold separately) for this model of the system. Also, do not change the position of the system while it is turned on.
- Be careful when carrying the system. If you do not have a good grip, the system may drop causing potential damage or injury.
- Do not move or change the position of the system with a disc inserted. The vibration may result in scratching of the disc or the system.
- Do not turn off the system while data is being saved on or loaded from the hard disk.
- Do not stand on or put objects on the system, and do not stack the system with other devices.

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- Do not place the system and connected accessories on the floor or in a place where they may cause someone to trip or stumble.

- Do not allow bodily contact with the system or air from the system vents for an extended period of time while in use. Extended contact under these conditions may cause low-temperature burns.

- When connecting the system to a plasma or projection* TV, do not leave a still image on the TV screen for an extended period of time, as this may leave a faint image permanently on the screen.

   * Except LCD screen types

- Parents are encouraged to monitor children in online activities to ensure safe and responsible Internet usage.

Notes on safety when using the DUALSHOCK®3 Wireless Controller*

- Stop using the system immediately if you begin to feel tired or if you experience discomfort or pain in your hands or arms while operating the DUALSHOCK®3 Wireless Controller. If the condition persists, consult a doctor.

- The vibration function of the DUALSHOCK®3 Wireless Controller can aggravate injuries. Do not use the vibration function if you have any ailment or injury to the bones, joints or muscles of your hands or arms. If you have an ailment or an injury, do not play software titles that contain the vibration function using the DUALSHOCK®3 Wireless Controller unless you have set the vibration function to [Off].

- Avoid prolonged use of the DUALSHOCK®3 Wireless Controller. Take a break at about 30-minute intervals.

- Note that some software titles set the vibration function to [On] by default. To disable the vibration function, press the PS button of the controller, and then select [Controller Settings] ➡ [Vibration Function] ➡ [Off]

- When using the motion sensor function of the wireless controller, be cautious of the following points. If the controller hits a person or object, this may cause accidental injury or damage.

   – Before using, check that there is plenty of space around you.

   – When using the controller, grip it firmly to make sure it cannot slip out of your hand.

   – If using a controller that is connected to the PS3™ system with a USB cable, make sure there is enough space for the cable so that the cable will not hit a person or object. Also, take care to avoid pulling the cable out of the PS3™ system while using the controller.

* These notes also apply to other controllers.

Vents

Do not block any vents. To maintain good ventilation, follow the guidelines below:

- Place the system at least 10 cm (4 in) away from a wall surface.
- Do not place on a carpet or rug with long fibers.
- Do not place in a narrow or cramped space.
- Do not cover with cloth.
- Do not allow dust to build up on the vents.

AC power cord use

- Any TV or component connected to the system must be functioning properly and free of defects. If a TV or component is faulty or defective, it may cause damage to the TV or component, or to the system itself. As with all electrical products, connection to faulty or defective components, or the failure to connect to a properly wired outlet, may cause sparking and pose a fire hazard.

- Do not plug the AC power cord for the system into an electrical outlet until you have made all other connections. Make sure the TV or other component is unplugged from the electrical outlet prior to connecting it to the system.

- To help ensure safe operation, regularly inspect the AC power cord. If damaged, stop use immediately and contact SCEA Consumer Services (➡ back cover).

- Do not use a power cord other than the supplied AC power cord. Do not modify the cord.

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Precautions

- Do not touch the plug of the AC power cord with wet hands.
- Protect the AC power cord from being walked on or pinched particularly at plugs, expansion receptacles and the point where the cord exits from the system.
- Do not place heavy items on the cord.
- Do not place the AC power cord near heating equipment and do not expose the cord to heat.
- Unplug the AC power cord from the electrical outlet before cleaning or moving the system, or when you do not intend to use the system for an extended period of time. When disconnecting, grasp the power cord by the plug and pull straight out of the electrical outlet. Never pull by the cord and do not pull out at an angle.
- Do not connect the AC power cord to a voltage transformer or inverter. Connecting the AC power cord to a voltage transformer for overseas travel or an inverter for use in an automobile may cause heat to build up in the system and may cause burns or a malfunction.

Never disassemble or modify the system or accessories

Use the PS3™ system and accessories according to the instructions in the product documentation. No authorization for the analysis or modification of the system or accessories, or the analysis and use of its circuit configurations, is provided. Unauthorized modification of the system or accessories will void your warranty. There are no user serviceable components inside the PS3™ system (the supplied hard disk may be removed but not disassembled or modified). Additionally, there is a risk of exposure to laser radiation as well as to electrical shock.

Network

- A broadband connection is required to access the Internet. Note that dial-up connectivity is not supported.
- User is responsible for Internet service fees. For details, refer to the information provided in your service contract or contact your Internet service provider.

- Do not use a cord for a standard residential telephone line or cables of types other than those mentioned here. Using the wrong type of cord or cable can cause more electrical current than necessary to flow through the LAN connector, which may lead to heat build-up, fire or malfunction.

Wireless networking feature

- The 2.4 GHz range of radio waves used by the wireless networking feature of this product is a range shared by various devices. This product has been designed to minimize the effect of other devices using the same range. However, in some cases interference from other devices may reduce the connection speed, shorten the signal range or cause the connection to be terminated unexpectedly.
- When using the PS3™ system's scan function to select a wireless LAN access point, access points that are not intended for public use may be displayed. Only connect to an access point that you are authorized to use.

Moisture condensation

If the system or disc is brought directly from a cold location to a warm one, moisture may condense on the lens inside the system or on the disc. Should this occur, the system may not operate properly. In this case, remove the disc and turn off and unplug the system. Do not put the disc back in until the moisture evaporates (this may take several hours). If the system still does not operate properly, contact SCEA Consumer Services (•• ► back cover) for assistance.

Cleaning

For safety reasons, before cleaning the system or connected accessories, disconnect the AC power cord from the electrical outlet.

Exterior surfaces (plastic cover of system and wireless controller)

Follow the instructions below to help prevent the product exterior from deteriorating or becoming discolored.

- Wipe with a soft, dry cloth.
- Do not place any rubber or vinyl materials on the product exterior for an extended period of time.
- Do not use solvents or other chemicals. Do not wipe with a chemically-treated cleaning cloth.

Vents

When dust accumulates in the system vents, remove the dust with a low-powered vacuum cleaner.

Discs

Note on compatibility

Some media may have region or territorial restrictions and may not work with your system. See media packaging for details.

Handling

- Do not touch the disc surface when handling a disc; hold it by the edges.
- Do not stick paper or tape onto discs and do not write on discs.
- Fingerprints, dust, dirt or scratches on the disc can distort the picture or reduce sound quality. Always handle carefully and check that discs are clean before use.

Storage

- Do not expose discs to high temperatures, high humidity or direct sunlight.
- When discs will not be used for an extended period of time, store them in their cases. Stacking uncased discs or storing them at an angle can cause them to warp.

Cleaning method

- Clean discs with a soft cloth, lightly wiping from the center outwards.
- Do not use solvents, record cleaners, anti-static spray or other chemicals as these can damage the discs.

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Online information about the PS3™ system

This manual explains hardware features and provides basic information about how to set up and operate the PS3™ system, including warnings and precautions for the safe and proper use of the system. For up-to-date information regarding the PS3™ system, you can also access the following information available on the Internet.

Online user's guide   http://manuals.playstation.net/document/
This guide contains detailed information about using the PS3™ system software.

System software updates   http://www.us.playstation.com/ps3
This site provides the latest information about system software updates.

PlayStation®3 official site   http://www.us.playstation.com/ps3
The official site for PlayStation®3 products provides the latest information about software titles and hardware accessories.

Support   http://www.us.playstation.com/support
The official site for PlayStation® product support provides the latest questions and answers about your product.

Check that you have all of the following items. If any items are missing, contact SCEA Consumer Services (••► back cover).

☐ PlayStation®3 system
☐ DUALSHOCK®3 Wireless Controller
☐ AC Power Cord
☐ AV Cable
☐ USB Cable
☐ Printed materials

Information about system functionality published in this document may vary from the information for your PS3™ system, depending on the system software version in use.

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Friends

Chatting and exchanging messages

PlayStation®Network

Using PlayStation®Network services

Network

Connecting to the Internet

Game

Playing games

Video

Playing video

Music

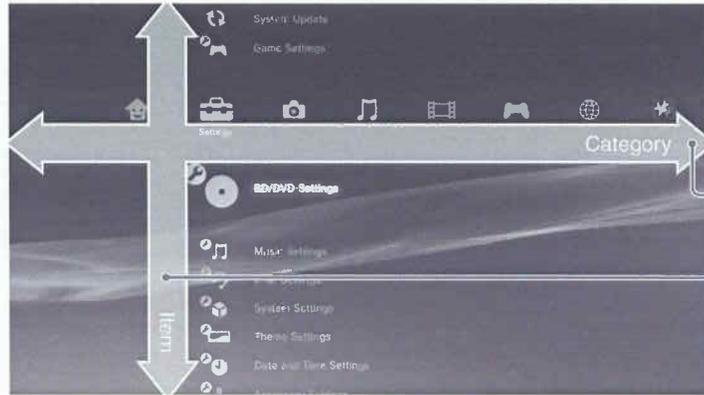Playing music

Photo

Displaying images

Settings

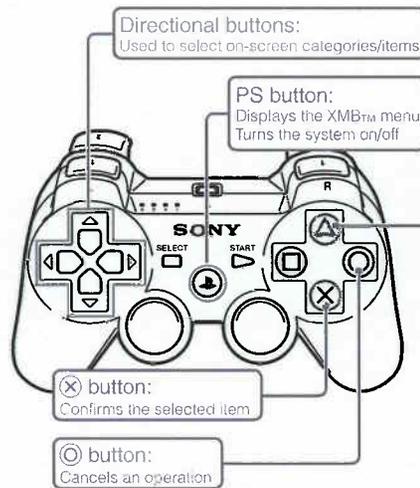Adjusting PS3™ system settings

Users

Selecting users to log in to the PS3™ system

XMBᴛᴍ (XrossMediaBar) menu

The PS3™ system includes a user interface called XMBᴛᴍ (XrossMediaBar).

1	Select a category using the ◀ or ▶ button.
2	Select an item using the ▲ or ▼ button.
3	Press the ⊗ button to confirm the selected item.

Directional buttons:
Used to select on-screen categories/items

PS button:
Displays the XMBᴛᴍ menu
Turns the system on/off

⊗ button:
Confirms the selected item

◎ button:
Cancels an operation

△ button: Displays the options menu/control panel

Selecting an icon and pressing the △ button will display the options menu.

Pressing the △ button during content playback will display the control panel.
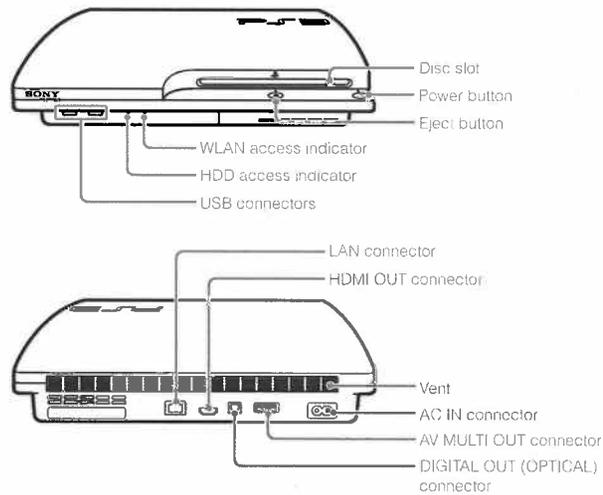
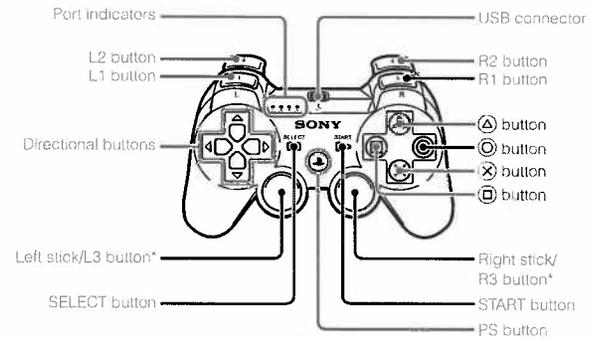Icons   Options menu   Control panel

Part names

Disc slot
Power button
Eject button
WLAN access indicator
HDD access indicator
USB connectors

LAN connector
HDMI OUT connector

Vent
AC IN connector
AV MULTI OUT connector
DIGITAL OUT (OPTICAL) connector

⚠ Caution

- Do not use the system in a closed cabinet or other locations where heat may build up. Doing so may cause the system to overheat and may lead to fire, injury or malfunction.
- If the system's internal temperature becomes elevated, the power indicator will flash alternately in red and green. In this case, turn off the system (••▶ page 21) and leave it unused for a while. After the system cools down, move it to a location with good ventilation, and then resume use.

Port indicators
L2 button
L1 button
Directional buttons
Left stick/L3 button*
SELECT button

USB connector
R2 button
R1 button
△ button
○ button
⊗ button
☐ button
Right stick/ R3 button*
START button
PS button

* The L3 and R3 buttons function when the sticks are pressed.

Notices

- Do not place the system in an area subject to excessive dust or cigarette smoke. Dust build-up or cigarette smoke residue on the internal components (such as the lens) may cause the system to malfunction.
- Do not move or change the position of the system while the power indicator is lit solid green or flashing green. The vibration that occurs as a result of moving the system may cause data loss or corruption, or damage to the system.
- Some PlayStation® and PlayStation®2 peripherals such as the analog controller (DUALSHOCK®) and analog controller (DUALSHOCK®2) are not compatible with the PS3™ system. For details, visit http://www.us.playstation.com.

Hint

When placing the system in a vertical position, use of the vertical stand (sold separately) is required for stability.

Getting started

Connection methods

[1]

HDMI OUT
connector

AV MULTI OUT
connector
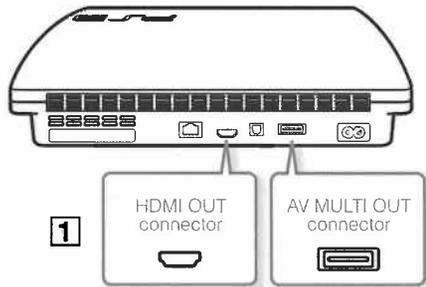
⚠ Caution

Any TV or component connected to the system must be functioning properly and free of defects. If a TV or component connected to the system is faulty or defective, it may cause damage to the TV or component, or to the system itself. As with all electrical products, connection to faulty or defective components, or the failure to connect to a properly wired outlet, may cause sparking and pose a fire hazard.

If video is not displayed on the screen

If you change the type of cable used to connect the system to a TV, video may not appear on the screen. If video does not appear, turn off the system and then turn it on again by pressing the power button for at least five seconds (until the system beeps twice). The video output setting will be reset and video will be output at standard definition (SD) resolution.
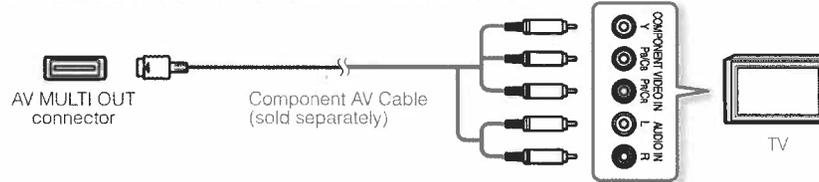
[1] Connect your system to a TV

You can use any of the following methods to connect your system to a TV.

Video output in SD (Standard Definition) resolution

AV MULTI OUT
connector

AV Cable

Video output in HD (High Definition) resolution - component video

AV MULTI OUT
connector

Component AV Cable
(sold separately)

Video output in HD (High Definition) resolution - HDMI

HDMI OUT
connector

HDMI Cable (sold separately)

Hints

• For details about video output cable types and supported video modes, see "Video output on the PS3™ system" (••▶ page 16) and "Video output cable types" (••▶ page 17).

• You can connect audio devices that support digital audio playback, such as an AV receiver for home entertainment use. For details, see "Connecting digital audio devices" (••▶ page 20).

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LAN connector   AC IN connector

[2]   [3]
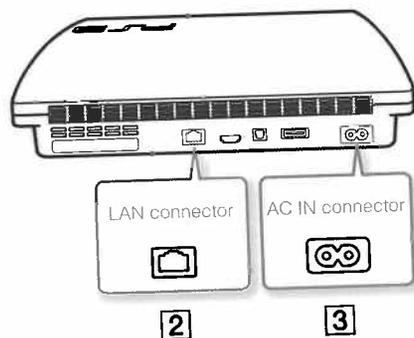
[2] Connect an Ethernet cable (sold separately)

Use an Ethernet cable to connect the system to the Internet.

Hint

You can use a wireless network connection to connect to the Internet without using an Ethernet cable. For details, see "Adjusting network settings" (••▶ page 28).

⚠ **Caution**

Do not connect a standard telephone line or other types of cords or cables that are not compatible with the system directly to the LAN connector on the system, as this may cause heat build-up, fire or malfunction.

[3] Connect the AC power cord

After plugging the AC power cord into the electrical outlet, the power indicator on the PS3™ system will light up in solid red (••▶ page 21).

⚠ **Caution**

Do not plug the AC power cord for the system into an electrical outlet until you have made all other connections. Make sure the TV or other component is unplugged from the electrical outlet prior to connecting it to the system.

Performing initial setup of the system software

After turning on the system, perform initial setup.

1 Turn on the TV, and then switch the video input of the TV to match the input connector used by the PS3™ system.

2 Press the power button.

The power indicator turns green and the picture is displayed on the TV screen.
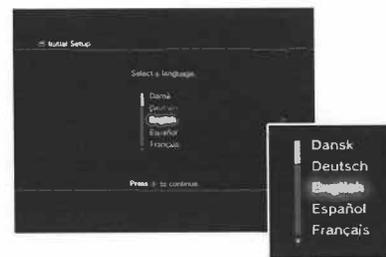

Power indicator
Power button

3 Connect the wireless controller to the system using a USB cable.

4 Press the PS button on the controller.

The system will recognize the controller. After it has recognized the controller, the initial setup screen will be displayed.

5 Perform initial setup.

Follow the on-screen instructions to enter settings for system language, time zone, date and time, and user name.

The screen for setting up the Internet connection will be displayed. When connecting using an Ethernet cable, basic settings will be selected automatically if you follow the on-screen instructions. When connecting over a wireless LAN, follow the instructions in "Adjusting network settings (wireless)" (••▶ page 29) to set up the connection.

After the settings have been completed, the XMB™ menu (••▶ page 11) will be displayed on the TV screen.

Hints

- When using an HDMI cable to connect the system to the TV, a screen for changing the video output resolution will be displayed during initial setup. If you select [Yes] on the screen and then press the ⊗ button, the optimal output resolution will be selected automatically.
- For details on entering text, see "Using the on-screen keyboard" (••▶ page 34).
- Settings entered during initial setup can be changed under ▦ (Settings) or 🏠 (Users). For details, refer to the online user's guide (http://manuals.playstation.net/document/).

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Getting started

Video output on the PS3™ system

The PS3™ system can output two types of resolution: HD and SD. Refer to the instruction manual for the TV in use to check which video mode is supported.

	HD (High Definition)			SD (Standard Definition)	
Video mode *1	1080p	1080i	720p	480p	480i *2
Aspect ratio	16:9	16:9	16:9	16:9 4:3	16:9 4:3

*1 This number indicates the number of scan lines. Note that "i" stands for "interlace" and "p" stands for "progressive". Using progressive results in high-quality video with minimal flickering.

*2 The video output setting on the system will display as [Standard (NTSC)].

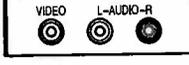### Screens showing the difference in resolution

HD screen

SD screen

Video output cable types

The resolution displayed on the TV varies depending on the input connectors on the TV and the type of cable in use. Select a cable to match the TV in use.

Cable type		Input connector on the TV		Supported video modes*1
HDMI Cable*2 (sold separately)		HDMI IN connector		1080p / 1080i / 720p / 480p
Component AV Cable (sold separately)		Component VIDEO IN connector		1080p / 1080i / 720p / 480p / 480i*3
S VIDEO Cable (sold separately)		S VIDEO IN connector		480i*3
AV Cable (supplied)		VIDEO IN connector (composite)		480i*3

*1 Depending on the type of TV or content to be played, some video modes may not be supported.
If a device that is not compatible with the HDCP (High-bandwidth Digital Content Protection) standard is connected to the system using an HDMI cable, video and/or audio cannot be output from the system.
Copyright-protected Blu-ray video discs can only be output at 1080p using an HDMI cable connected to a device that is compatible with the HDCP (Highband-width Digital Content Protection) standard.

*2 Connect the system to the TV using an HDMI cable (sold separately). An HDMI cable can output both video and audio and enables you to enjoy digital-quality video and audio.

*3 The video output setting on the system will display as [Standard (NTSC)].

Getting started

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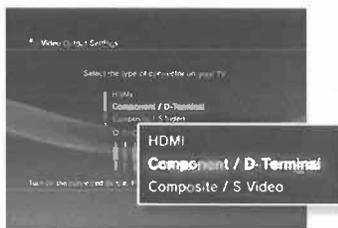## Adjusting video output settings

Depending on the type of cables and the connectors used, you may need to adjust the PS3™ system's video output settings to display video at HD resolutions (••▶ page 16) on a TV.

If video is not displayed

- Switch the video input of the TV to match the input connector used to connect to the system.
- Turn off the system, and then turn it on again by pressing the power button for at least five seconds (until the system beeps twice). The video output setting will be reset and video will be output at standard definition (SD) resolution.

---

1 Select 🧰 (Settings) ➡ ☐ (Display Settings) ➡ [Video Output Settings], and then press the ⊗ button.

2 Select the input connector (••▶ page 17) in use on the TV, and then press the ▶ button.

If you select [HDMI], you will have the option to choose [Automatic] or [Custom] on the next screen. In most cases, select [Automatic], and video output settings will be completed automatically.

If you select [AV MULTI / SCART], you must choose the type of output signal on the next screen. In most cases, select [Y Pb/Cb Pr/Cr].

3 Confirm the screen, and then press the ⊗ button.

If you changed the connector in step 2, a screen for confirming the change will be displayed.

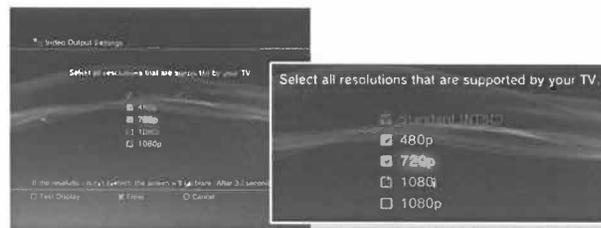**4** Confirm the settings, select [Yes], and then press the ⊗ button.

If you changed the connector in step 2, a screen for confirming the settings will be displayed.
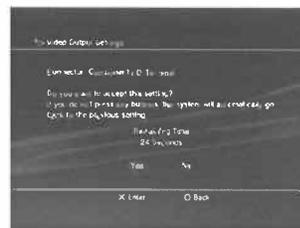
5 Select the resolutions supported by the TV, and then press the ▶ button.

The resolution displayed on the TV varies depending on the input connector and the type of cable used (••▶ page 17). The highest resolution you selected will be used for video output.

Depending on the connector selected in step 2, this screen may not be displayed.

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6 Confirm the settings, select [Yes], and then press the ⊗ button.

Depending on the connector selected in step 2 and the resolutions selected in step 5, this screen may not be displayed.
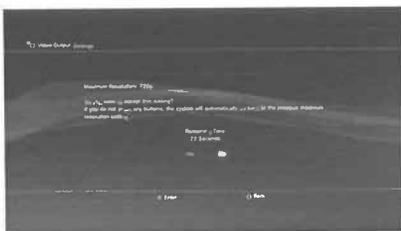
7 Select the type of TV, and then press the ▶ button.

If you selected [Standard (NTSC)] or [480p] in step 5, a screen for selecting the TV screen size will be displayed. Adjust the setting to match the TV in use.

If you selected [720p] or a higher resolution in step 5, the TV type will automatically be set to 16:9 and the screen for selecting the TV screen size will not be displayed.

8 Confirm the settings, and then press the ⊗ button.

The video output settings will be saved on the system.

Settings List	
Connector Type	Component / D-Terminal
Resolution	Standard (NTSC)
	480p
	720p

9 Adjust audio output settings.

Continue on to adjust audio output settings. Adjust settings to match the TV or audio device in use.

If you select [HDMI], you will have the option to choose [Automatic] or [Manual] on the next screen. In most cases, select [Automatic].

If using a cable other than an HDMI cable to output audio from the TV, select [Audio Input Connector / SCART / AV MULTI]. If using an optical digital cable to output audio, select [Digital Out (Optical)] and choose the output format on the next screen.

10 Confirm the settings, and then press the ⊗ button.

The audio output settings will be saved on the system.

Hint

You can adjust audio output settings under 🧰 (Settings) ➡ 🔊 (Sound Settings) ➡ [Audio Output Settings].

Connecting digital audio devices

You can connect audio devices that support digital audio playback, such as an AV receiver for home entertainment use.

Audio output on the PS3™ system

The supported channels may vary depending on the output connector to be used.

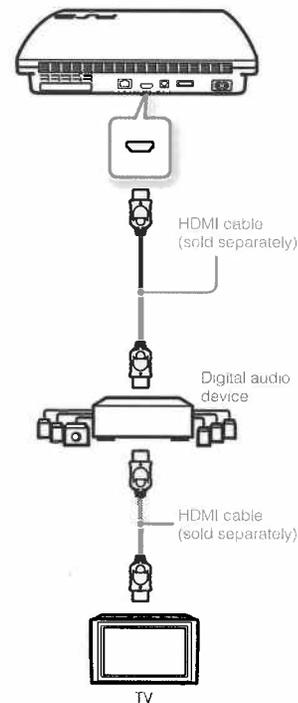| PS3™ system output connectors	Channels that can be used for output		
	2 Ch.	5.1 Ch.	7.1 Ch.
AV MULTI OUT connector	O	–	–
DIGITAL OUT (OPTICAL) connector	O	O	–
HDMI OUT connector	O	O	O

Hints

• When connecting a digital audio device to the system, go to 🧰 (Settings) ➡ 🔊 (Sound Settings) ➡ [Audio Output Settings], and then adjust the settings as necessary for the audio device.

• Normally, audio cannot be output simultaneously from multiple output connectors. For example, if your PS3™ system is connected to a TV via an HDMI cable and to an audio device via an optical digital cable and [Digital Out (Optical)] is set under [Audio Output Settings], audio will no longer be output from the TV and will only be output from the audio device.

• The system can output both audio and video through an HDMI cable. If both the TV and the audio device have HDMI connectors, you can output the TV picture to the TV through a connected audio device.

• If a device is connected to the PS3™ system via an HDMI cable, do not turn off the device while the system is turned on (power indicator is lit solid green), as doing so may cause sound distortion or produce abnormal sounds.
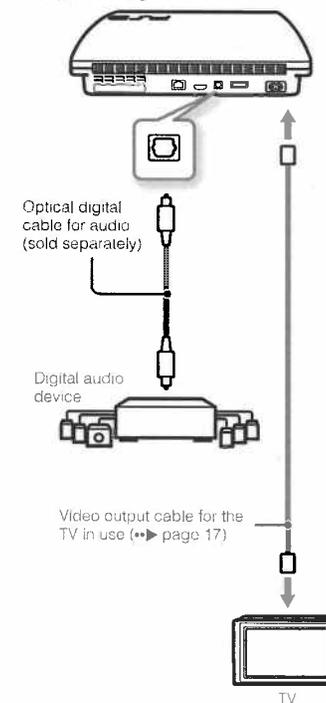
Examples when connecting an audio device

An HDMI cable or optical digital cable can be used to connect an audio device to the PS3™ system.

HDMI cable

Digital audio device

HDMI cable (sold separately)

Digital audio device

HDMI cable (sold separately)

TV

Optical digital cable

Optical digital cable for audio (sold separately)

Digital audio device

Video output cable for the TV in use (••▶ page 17)
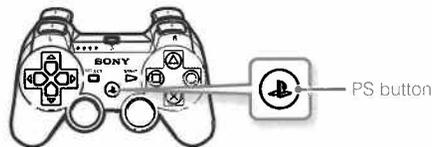
TV

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Turning the PS3™ system on and off

Turning on the system

1 Press the power button.

The power indicator lights up in solid green to indicate that the system is turned on.

Power indicator: solid green

Power button

2 Press the PS button on the controller.

After the controller number is assigned, you can use the controller to operate the system.

PS button

Power indicator status

You can check the power indicator on the PS3™ system to see the current status of the system.

○	Solid green	System on
○	Flashing green	System turning off
●	Solid red	System off (in standby mode)

Turning off the system

1 Press the power button.

The power indicator lights up in solid red.

Power indicator: solid red

Power button

Notice

When the power indicator is lit solid green or flashing green, be sure to abide by the notices below. If you do not, data loss or corruption, or damage to the system may occur.

- Do not unplug the AC power cord from the electrical outlet.
- Do not move or change the position of the system.

Hints

- Before using a wireless controller, you must first pair it with the system (•► page 22).
- You can also turn the PS3™ system on and off using the PS button on the wireless controller. If you use the PS button to turn on the system, the controller number will be assigned at the same time. To turn off the system, press the PS button for more than one second, and then follow the on-screen instructions.
- You can also turn off the PS3™ system from the XMB™ menu. Select 🏠 (Users) ➡ ⏻ (Turn Off System).
- If you will not be using the system for a long period of time, check that the power indicator is lit solid red, and then unplug the AC power cord from the electrical outlet.

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Using the wireless controller

To use a wireless controller, you must first register or "pair" the controller with the PS3™ system and assign a number to the controller.
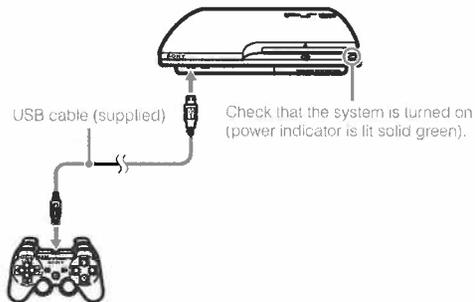
Step 1: Pair the system and the controller.
• When using for the first time
• When using with a different PS3™ system

⬇

Step 2: Assign a controller number.
Every time the system is turned on

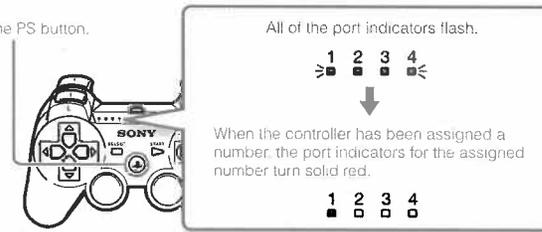## Step 1: Pair the system and the controller

When using the controller for the first time or when using with a different PS3™ system, you must first pair the devices. If you turn on the system and connect the controller using a USB cable, the pairing will be completed automatically.

USB cable (supplied)   Check that the system is turned on (power indicator is lit solid green).

Step 2: Assign a controller number

Each time you turn on the system, a number must be assigned to the controller.

Press the PS button.   All of the port indicators flash.

1 2 3 4

When the controller has been assigned a number, the port indicators for the assigned number turn solid red.

1 2 3 4

You can connect up to 7 controllers at one time. The controller number is shown by the number above the port indicators. For numbers 5-7, add the numbers of the lit indicators.

Example: Controller number 5 has been assigned.

1 2 3 4

1
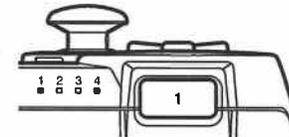
• Pairing and assigning controller numbers can only be done when the system is turned on (power indicator is lit solid green).
• When a paired controller is used with another PS3™ system, the pairing with the original system is cleared. Pair the controller with the system again if the controller has been used with another system.
• If the controller or the system is turned off, the port indicators on the controller will turn off and the assigned number will be cleared.

Using the controller wirelessly

If you disconnect the USB cable, you can use the controller wirelessly. To use it wirelessly, the controller's battery must be charged.

Hints

- The USB cable can be connected or disconnected while the controller and the system are turned on.
- If the controller does not function, press the PS button, and then reassign the controller number.
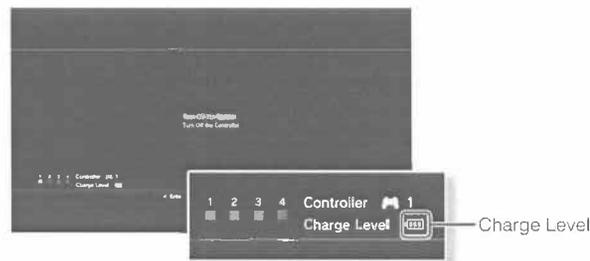
Charging the controller

With the system turned on (power indicator is lit solid green), connect the controller to the system using a USB cable. The port indicators of the controller flash slowly and charging begins. When charging has completed, the port indicators stop flashing.

Hints

- The controller can be used while charging.
- Charge in an environment where the temperature range is between 10°C - 30°C (50°F - 86°F). Charging may not be as effective when performed in other environments.
- The controller cannot be charged when the system is off (in standby mode).
- The battery has a limited life span. Battery charge duration will gradually decrease with repeated usage and age.
- Battery life also varies depending on the storage method, usage state, environment and other factors.

Battery charge level

If you press and hold down the PS button for more than one second, you can check the battery charge level on the screen.

Charge Level

(IIII)	The battery has plenty of charge.
(III)	The battery has started losing its charge.
(I)	The battery charge level is low.
( )	The battery has no charge. The port indicators on the controller flash rapidly. Charge the controller.

Hint

Depending on the environment or the conditions of use, the remaining charge level may not display correctly and the battery duration may vary.
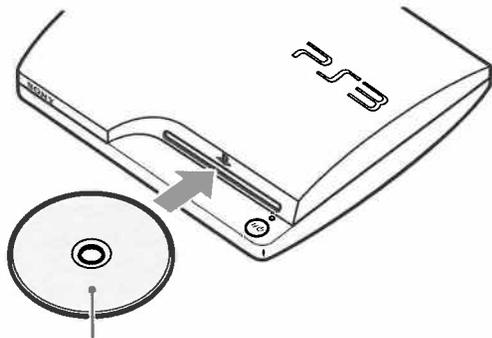
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Playing content

Blu-ray Disc (BD)/DVD/CD

1 Insert the disc.

The eject indicator turns solid blue to indicate that the disc is inserted.

Insert the disc with the label side facing up.

Notices

- Discs that are not compatible with the system cannot be played.
- To play commercially available BD video software, in some cases the encryption key* may need to be renewed. The encryption key can be renewed when the system software is updated (••▶ page 33).
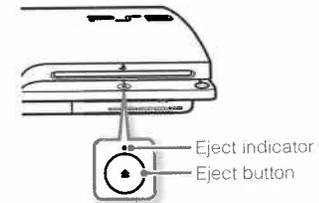 * AACS (Advanced Access Control System) key

2 An icon is displayed in the XMB™ menu, and playback of the disc begins.

If the disc does not automatically start, select the icon for the disc from the XMB™ menu, and then press the ⊗ button.

Ejecting a disc

Stop playback, and then press the eject button.
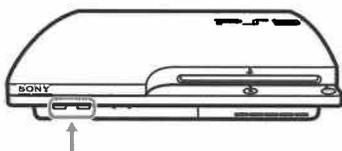

Eject indicator
Eject button

Playing content on USB devices

You can connect external devices, such as devices that are compatible with USB Mass Storage Class, using a USB cable. Devices can be connected while the system is turned on. Refer also to the instructions supplied with the device.

1 Connect the USB device.

An icon is displayed on the screen.

External device such as a digital camera

2 Select the icon, and then press the ⊗ button.

A list of playable content is displayed.

USB Device (USB Flash Disk)

Notices

- Do not remove USB devices or turn off the system while data is being saved, loaded or deleted. Doing so may cause data loss or corruption.
- When using a USB flash drive with a write-protect switch, do not operate the switch when the device is connected to the system. Doing so may cause data loss or corruption.

File formats that can be played or viewed

File formats that can be played or viewed on this system include ATRAC™, MP3, AAC, JPEG and MPEG-4. For the latest information, refer to the online user's guide (http://manuals.playstation.net/document/).

Hints

- Only files that are playable or viewable on the PS3™ system are displayed in the column for the compatible category (Example: Image data is displayed under 📷 (Photo)).
- Depending on the storage media, only a subset of the folders on the media may be displayed. If you select [Display All] from the options menu (••▶ page 11), all folders saved on the media will be displayed.

Notice

For information on backing up files saved on the hard disk, see "Backing up data" (••▶ page 36).

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Playing games

Game compatibility

PlayStation®3 format software	Can be played on this system *
PlayStation® format software	
PlayStation®2 format software	Cannot be played on this system

* Operation of all PlayStation® format software titles is not guaranteed. Visit http://www.us.playstation.com for the latest information on software that can be played on this system.

Playing games

This model of the PlayStation®3 system is designed to play PlayStation®3 format software and has limited backward compatibility. This system is not compatible with and will not play PlayStation®2 format software. Some PlayStation® format software may play on this system. For more information, visit www.us.playstation.com.

Starting a game

When you insert the disc, the game starts automatically.
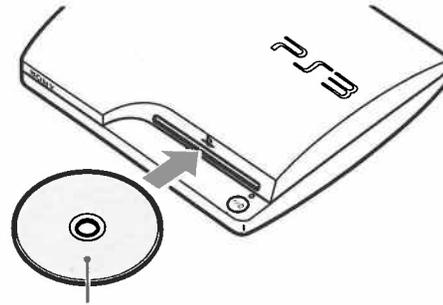
Insert the disc with the label side facing up.

Quitting a game

During gameplay, press the PS button on the wireless controller. Then select 🎮 (Game) ➡ ⵁ (Quit Game) to quit the game.

Hint

Depending on the type of software, such as PlayStation® format software, ⵁ (Quit Game) may not be displayed when the PS button is pressed. In this case, select [Quit Game] from the screen that is displayed.

Controller settings

You can change controller settings by selecting 🧰 (Settings) ➡ 🔋 (Accessory Settings).

Reassign Controllers	If a controller port or number is specified by the software, you can use this setting to assign the appropriate controller port or number.*
Controller Vibration Function	You can set the vibration function to on or off. It is set to [On] by default.

* You cannot assign controller port 2-D using this system.

Hint

You can change settings for the controller during gameplay by pressing the PS button. Select 🧰 (Settings) ➡ 🔋 (Accessory Settings) in the XMB™ screen, or select [Controller Settings] from the screen that is displayed.

Saved data for PlayStation®3 format software

Saved data for PlayStation®3 format software is saved on the system's hard disk. The data is displayed under 🎮 (Game) ➡ 📁 (Saved Data Utility).

Saved data for PlayStation® format software

To save data from PlayStation® format software, you must create internal memory cards on the hard disk and assign the cards to slots.

Notice

This system does not support playback of PlayStation®2 format software. Even if you create an internal memory card for PlayStation®2 format software, you will not be able to use it to play games.

Creating internal memory cards

1 Select 🎮 (Game) ➡ 🗂 (Memory Card Utility (PS/PS2)), and then press the ⊗ button.

2 Select 🗂* (Create New Internal Memory Card), and then press the ⊗ button.

3 Select [Internal Memory Card (PS)], and then press the ⊗ button.

Follow the on-screen instructions to complete the operation.

Assigning slots

1 Select 🎮 (Game) ➡ 🗂 (Memory Card Utility (PS/PS2)), and then press the ⊗ button.

2 Select the internal memory card that you want to use, and then press the △ button.

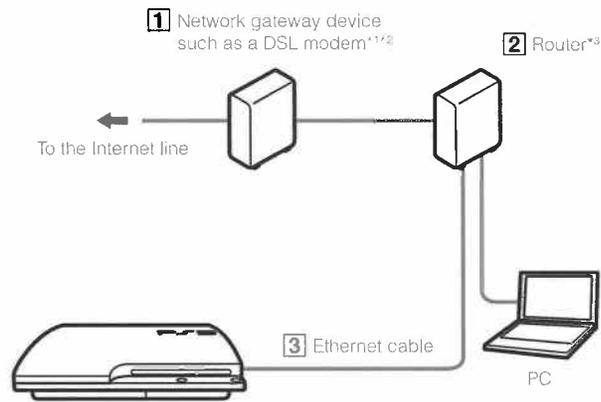Select [Assign Slots], and then assign [Slot 1] or [Slot 2].

Hints

• Depending on the software, slots may be preassigned. For details, refer to the instructions supplied with the software.
• You can assign slots during gameplay. Press the PS button on the wireless controller, and then select [Assign Slots] from the screen that is displayed.
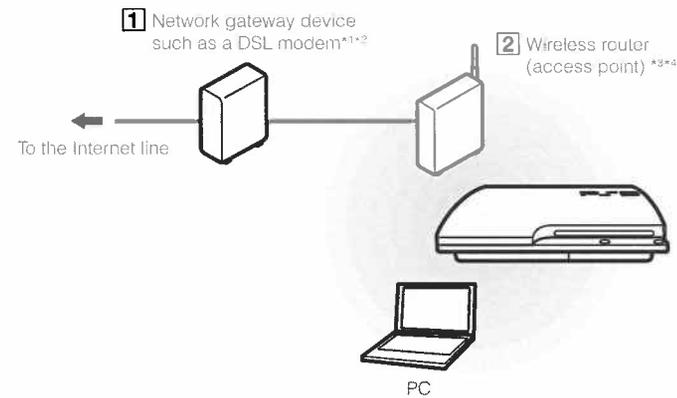
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Adjusting network settings

Example of a network configuration (wired)

A wired network configuration requires items [1], [2] and [3].

[1] Network gateway device such as a DSL modem*1*2

[2] Router*3

To the Internet line

[3] Ethernet cable

PC

Example of a network configuration (wireless)

A wireless network configuration requires items [1] and [2].

[1] Network gateway device such as a DSL modem*1*2

[2] Wireless router (access point) *3*4

To the Internet line

PC

*1 The connection method may vary depending on the environment in use. For example, you may be able to connect Ethernet cables directly into the wall outlet in housing complex units that have preinstalled LAN ports. If you are using such a network environment, you do not need a network gateway device.

*2 Dial-up connectivity is not supported.

*3 A router is a device that enables multiple devices to be connected to one Internet line. A router may be necessary if a PS3™ system and other devices such as a PC will be connected to the Internet at the same time using one Internet connection. A router is not necessary if the DSL or cable modem or other network device has built-in router functionality.

*4 A wireless router is a device that adds access point functionality to a router. A wireless network configuration requires settings information for the access point (SSID, WEP key, WPA key) (••▶ page 30).

Adjusting network settings (wired)

1 Connect an Ethernet cable (sold separately) to the system.

2 Select 🧰 (Settings) ➡ ⊕ (Network Settings) ➡ [Internet Connection Settings], and then press the ⊗ button.

A message stating that the Internet connection will be terminated is displayed.

3 Select [Yes], and then press the ⊗ button.

4 Select [Easy], and then press the ▶ button.

Basic settings are adjusted automatically, and a list of the settings is displayed. If the list is not displayed, you must adjust custom settings. Refer to the instructions supplied by your Internet service provider to adjust the custom settings (➡ page 31).

5 Perform the Internet connection test.

If the connection is successful, you will be able to connect to the Internet.

Adjusting network settings (wireless)

1 Check that an Ethernet cable is not connected to the system.

2 Select 🧰 (Settings) ➡ ⊕ (Network Settings) ➡ [Internet Connection Settings], and then press the ⊗ button.

A message stating that the Internet connection will be terminated is displayed.

3 Select [Yes], and then press the ⊗ button.

4 Select [Easy], and then press the ▶ button.

Basic settings are adjusted automatically.

5 Select [Wireless], and then press the ▶ button.

6 Adjust wireless LAN settings.

Select the access point that you want to use. You can usually select [Scan] and choose an access point within range of your system.

Scan	System scans for a nearby access point. Select the access point that you want to use.
Enter Manually	Specify the access point by entering its SSID manually.
Automatic*	Use the automatic setting feature of the access point. You can follow the on-screen instructions to complete the required settings automatically. (((•))) AOSS™ AOSS Buffalo, Inc.

* For information on access points that support automatic setup (AOSS™), contact the access point manufacturers.

7 Adjust the security settings for the wireless network.

Enter the encryption key for the access point. If you selected [Automatic] in step 6, this screen will not be displayed.

None	Encryption key is not set.
WEP	Enter the encryption key. The encryption key field will display an asterisk (*) for each character you enter.
WPA-PSK/ WPA2-PSK	

8 Check the settings.

A list of the settings is displayed. If the list is not displayed, you must adjust custom settings. Refer to the instructions supplied by your Internet service provider to adjust the custom settings (••▶ page 31).

9 Perform the Internet connection test.

If the connection is successful, you will be able to connect to the Internet.

Hints

- SSID and WEP/WPA keys are types of security information that are required when connecting to an access point. If you do not have this information, contact the person who set up or maintains the access point.
- Depending on the access point you use, you may need the MAC address for the PS3™ system when connecting to the Internet. You can find the MAC address for the PS3™ system by going to 🧰 (Settings) ➡ 🎮 (System Settings) ➡ [System Information].
- When connecting to the Internet wirelessly, signal interference may occur depending on the usage condition of the wireless network devices. If the Internet data transfer speed is decreased or the wireless controller does not function properly, try using a wired Internet connection.

Adjusting custom settings

In certain network environments, some settings may not be adjusted automatically by selecting [Easy]. Refer to the information below and also follow the on-screen instructions to adjust custom settings.

Ethernet operation mode

Specify the Ethernet data transfer rate and operation method. You can usually select [Auto-Detect].

IP Address Setting

Specify the method for obtaining an IP address when connecting to the Internet. The method varies depending on the Internet service provider you use.

Automatic	Use the IP address allocated by the DHCP server.
Manual	Enter the IP address manually.
PPPoE	Connect to the Internet using PPPoE. Enter the user name and password supplied by your Internet service provider.

DHCP host name

Specify the DHCP server host name. You can usually select [Do Not Set].

DNS Setting

Specify the DNS server. The method varies depending on the Internet service provider you use.

Automatic	System acquires the DNS server address automatically.
Manual	Enter the DNS server address manually. Enter the IP addresses of the primary and secondary DNS servers that are supplied by your Internet service provider.

MTU

Specify the MTU value used when transmitting data. You can usually select [Automatic].

Proxy Server

Specify the proxy server to be used. You can usually select [Do Not Use].

UPnP

Enable or disable UPnP (Universal Plug and Play). You can usually select [Enable].

Hint

If [UPnP] is set to [Disable], online communication may be restricted when using the voice / video chat feature or communication features in games.

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