
Getting started

Connection and
preparation

Operation

Troubleshooting

Precautions/
Specifications

GIGA JUKE

Wireless Network Audio System Operating Instructions

NAS-C5E

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of fire, do not cover the ventilation opening of the apparatus with newspapers, tablecloths, curtains, etc.

Do not place the naked flame sources such as lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Do not expose batteries or apparatus with battery-installed to excessive heat such as sunshine fire or the like.

Excessive sound pressure from earphones and headphones can cause hearing loss.

Notice for customers: the following information is only applicable to equipment sold in countries applying EU Directives

The manufacturer of this product is Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, 108-0075 Japan.

The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany.

For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

Wireless Network Audio System NAS-C5E



This product is intended to be used in the following countries:
AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IT, NL, NO, PL, PT, SE

Hereby, Sony Corporation, declares that this Wireless Network Audio System is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For details, please access the following URL: <http://www.compliance.sony.de/>

For customers who use this product in the following countries:

France

The WLAN feature of this Wireless Network Audio System shall exclusively be used inside buildings. Any use of the WLAN feature of this Wireless Network Audio System outside of the buildings is prohibited on the French territory. Please make sure that the WLAN feature of this Wireless Network Audio System disabled before any use outside of the buildings. (ART Decision 2002-1009 as amended by ART Decision 03-908, relating to radio-frequencies use restrictions).

Italy

Use of the RLAN network is governed:

- with respect to private use, by the Legislative Decree of 1.8.2003, no. 259 ("Code of Electronic Communications"). In particular Article 104 indicates when the prior obtainment of a general authorization is required and Art. 105 indicates when free use is permitted;
- with respect to the supply to the public of the RLAN access to telecom networks and services, by the Ministerial Decree 28.5.2003, as amended, and Art. 25 (general authorization for electronic communications networks and services) of the Code of electronic communications.

Norway

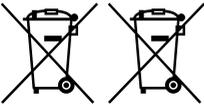
Use of this radio equipment is not allowed in the geographical area within a radius of 20km from the centre of Ny-Alesund, Svalbard.



**Disposal of Old Electrical & Electronic Equipment
(Applicable in the European Union and other European countries with separate collection systems)**

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Applicable accessories: Remote control



Pb

**Disposal of waste batteries
(applicable in the European Union and other European countries with separate collection systems)**

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.

In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only.

To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Table of Contents

Getting started

Features of this unit.....	6
Checking the supplied accessories.....	7
Names of parts.....	8
Main unit.....	8
Display window.....	9
Remote control.....	11
Turning on the power.....	13
Changing the display language.....	14
Setting the clock.....	15

Connection and preparation

Connecting the unit to a “GIGA JUKE” Music Server.....	16
Before connecting.....	17
Setting up the network through an AOSS connection.....	18
Setting up the network manually.....	19
Setting up a proxy server manually.....	20

Operation

Playing audio data stored on your “GIGA JUKE” Music Server.....	21
Listening to the same track in different rooms (PARTY MODE).....	22
Changing a server.....	23
Using x-DJ.....	24
Using x-DJ.....	26
Using Music Surfin’.....	26
Playing audio data in a computer.....	27
Repeat play • Shuffle play.....	28
Listening to the Internet radio.....	28
Listening to an externally connected device.....	29

Setting the sound quality.....	30
Selecting a sound style (Preset EQ).....	30
Generating a more dynamic sound (Dynamic Sound Generator X-tra).....	30
Using the timer.....	31
Using the Sleep timer.....	31
Using On-timer.....	31
Changing settings.....	33

Troubleshooting

Troubleshooting.....	36
----------------------	----

Precautions/Specifications

Precautions.....	43
Specifications.....	45
Index.....	48

About the supplied instruction and support information

① Operating Instructions (this manual)



This manual provides full explanations of the various settings and operations. This manual also contains precautions for the safe use of the unit.

② Customer support site of Sony Europe

Refer to this Web site for the latest support information and FAQs.

For customers in Europe:

<http://support.sony-europe.com/>

About the illustrations used in this manual

Illustrations and screens used in this manual may vary from the actual screens.

Features of this unit

The Wireless Network Audio System (referred to as the “GIGA JUKE” Wireless Player” in the following explanation) is a device that plays back audio data stored on an HDD Network Audio System NAS-S55HDE* (referred to as the “GIGA JUKE” Music Server” in the following explanation) or a computer via a wireless network, allowing you to enjoy the sound from the unit’s speakers.

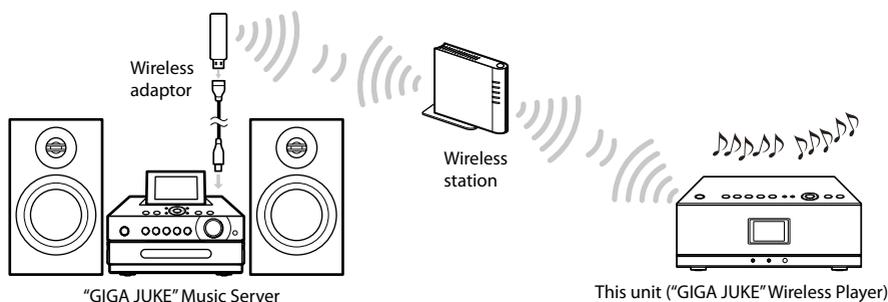
* Compatible “GIGA JUKE” Music Server model as of March, 2008

Refer to the customer support site of Sony Europe, <http://support.sony-europe.com/> for the latest information (for customers in Europe only).

Listening to the audio data stored on a server (Home Network function)

When the unit and the “GIGA JUKE” Music Server are connected to each other, these devices can play different tracks at the same time while located in different rooms. (This function remains operable when the “GIGA JUKE” Music Server is turned off and in quick start-up standby mode.)

In addition, the unit supports DLNA (Digital Living Network Alliance) standards and can thus play audio data stored on (DLNA-compliant devices).



Listening to the same music in different rooms (PARTY MODE)

PARTY MODE allows you to listen to the same music in different rooms. When “GIGA JUKE” Music Server enters PARTY MODE, the unit also enters to PARTY MODE automatically as a “Guest” to play the same track that is being played on the “GIGA JUKE” Music Server.

Listening to the audio data using x-DJ function

You can listen to audio data using the x-DJ or Music Surfin’ function of the “GIGA JUKE” Music Server.

💡 What is x-DJ?

x-DJ is a function that categorizes audio data stored on the “GIGA JUKE” Music Server into different channels based on an analysis of the data’s characteristics by Sony’s 12 Tone Analysis. Another function, “Music Surfin’”, allows you to jump and listen to tracks assembled in artist, year, mood and album channels. For details, refer to the operating instructions supplied with your “GIGA JUKE” Music Server.

Listening to the Internet radio (Internet Radio function)

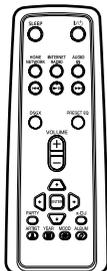
With this function, you can listen to radio broadcasts offered on the Web (Live365, SHOUTcast).

Listening to an external device (Audio In function)

This function allows you to listen to music on a “WALKMAN” or other audio device through the unit’s speakers.

Checking the supplied accessories

- Remote control (1)

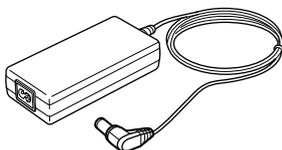


- Operating Instruction (this manual)
- "Internet Radio service on "GIGA JUKE" Wireless Player" (1)

- R6 (size AA) batteries (2)



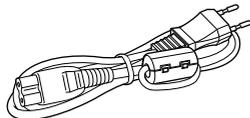
- AC power adaptor (1)



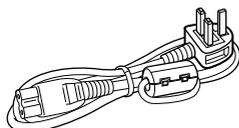
- Power cord (1)

The supplied power cord comes with an attached clamp filter. This power cord is designed for exclusive use with NAS-C5E only.

For models except the UK model

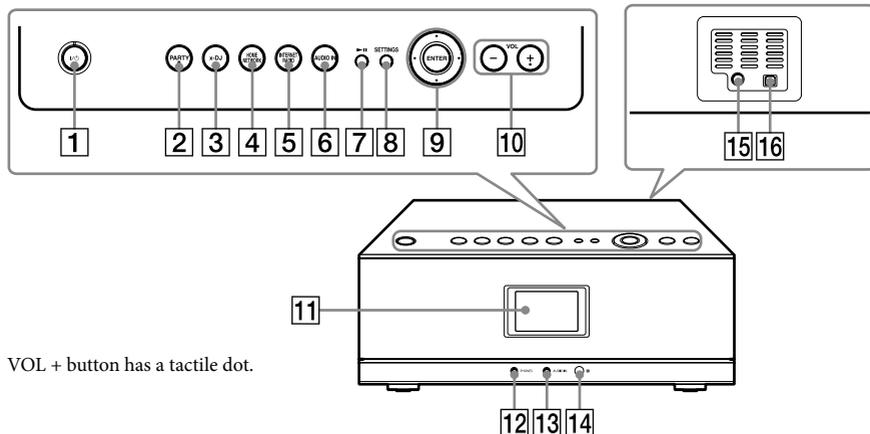


For the UK model



Names of parts

Main unit



* VOL + button has a tactile dot.

- 1** I/⏻ (power) button, On/Standby indicator
 - I/⏻ (power) button
 - Turns the power on or off.
 - On/Standby indicator
 - Indicates the power status (page 13).
- 2** PARTY button, PARTY indicator
 - PARTY button
 - Use to enter or leave PARTY MODE (page 22).
 - PARTY indicator
 - Lights up amber when PARTY MODE is active (page 22).
- 3** x-DJ button
 - Selects and plays an x-DJ channel on the “GIGA JUKE” Music Server (page 24).
- 4** HOME NETWORK button
 - Selects the Home Network function and plays audio data in a “GIGA JUKE” Music Server or a DLNA-compatible digital media server (pages 21 and 27).
- 5** INTERNET RADIO button
 - Selects the Internet Radio function (page 28).
- 6** AUDIO IN button
 - Selects the Audio In function and plays audio data on an external device connected to the AUDIO IN jack of the unit. Sound is output from the unit’s speakers (page 29).
- 7** ▶|| button
 - Use to start or pause playback.
- 8** SETTINGS button
 - Displays the Settings menu (page 11).
- 9** Menu operation buttons
 - Use to select menu items and enter menu settings (page 11).
 - **↑, ↓, ← and →** buttons
 - Use to select a menu item or to change a setting.
 - ENTER button
 - Use to enter a setting.
- 10** VOL +* or – buttons
 - Use to adjust the volume.
- 11** Display window (next page)
- 12** PHONES jack
 - Use to connect the optional headphones.

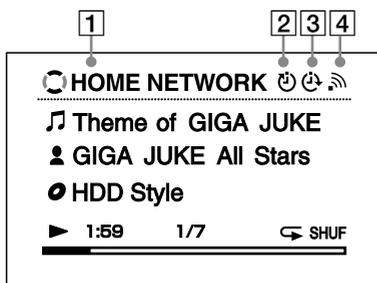
- 13** AUDIO IN jack
Use to connect the audio output plug from an optional portable audio device (page 29).
- 14** Remote sensor

- 15** DC IN 12V jack
Use to connect the supplied AC power adaptor (page 13).
- 16** Service and maintenance terminal
This terminal is used during servicing and maintenance of the unit.

Display window

Items that appear on the display window varies depending on the function you are using.

■ General display



- 1** Function
- 2** Sleep timer (page 31)
- 3** On-timer (page 31)
- 4** Wireless LAN signal strength indicator
This antenna icon indicates the strength of the wireless LAN signal. More segments indicate a stronger signal.

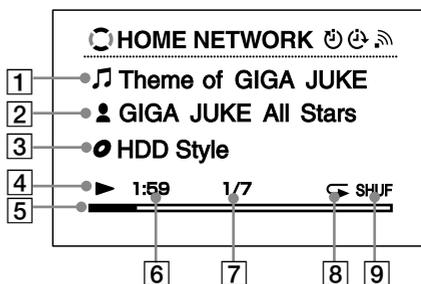


This icon flashes when data from a server is being received and played back, as shown in the illustrations above.

■ Display for each function

Home Network Function

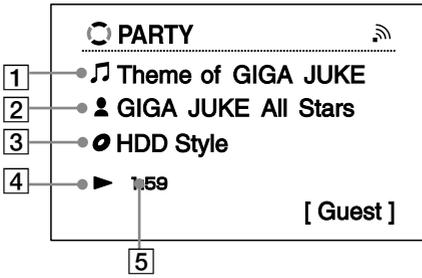
Elapsed time view (default)



- 1** Track name
- 2** Artist name
- 3** Album name
- 4** Playback status
- 5** Progress bar
- 6** Playback elapsed time
- 7** Current track number/total track count
- 8** Repeat mode (page 28)
- 9** Shuffle mode (page 28)

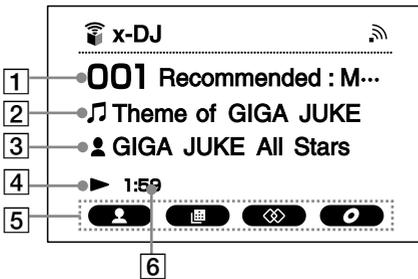
Continued 

PARTY MODE view



- 1 Track name
- 2 Artist name
- 3 Album name
- 4 Playback status
- 5 Playback elapsed time

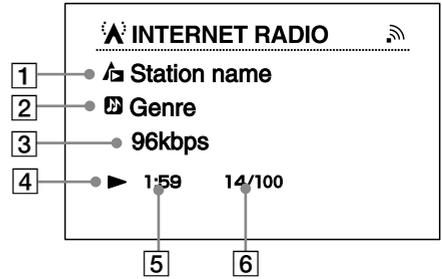
x-DJ view



- 1 Channel name
- 2 Track name
- 3 Artist name/album name
Artist name and album name appear alternately.
- 4 Playback status
- 5 Music Surfin' channels
- 6 Playback elapsed time

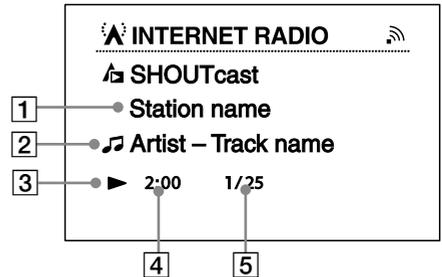
Internet Radio Function

Live365 view



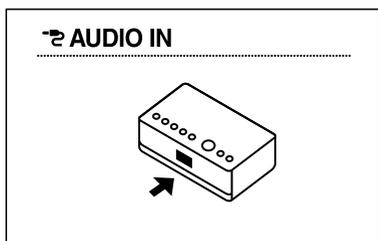
- 1 Radio station name
- 2 Genre name
- 3 Transfer bit rate
- 4 Playback status
- 5 Playback elapsed time
- 6 Current radio station number/total radio station count

SHOUTcast view

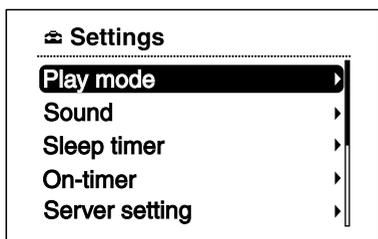


- 1 Radio station name
- 2 Artist name and track name
- 3 Playback status
- 4 Playback elapsed time
- 5 Current radio station number/total radio station count for the selected genre

Audio In Function



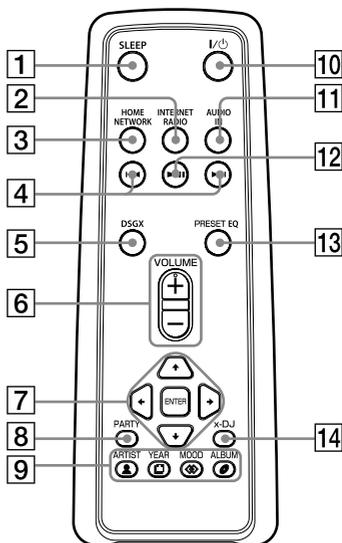
Settings display



How to operate Settings menu

- 1 Press SETTINGS.
- 2 Press \uparrow/\downarrow to select the item.
- 3 Press ENTER.

Remote control



* VOLUME + button has a tactile dot.

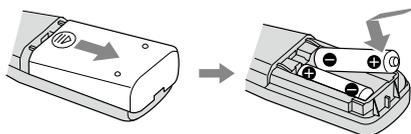
- 1 **SLEEP button**
Use to set or confirm the sleep timer setting (page 31).
- 2 **INTERNET RADIO button**
Selects the Internet Radio function (page 28).
- 3 **HOME NETWORK button**
Selects the Home Network function and plays audio data in a “GIGA JUKE” Music Server or a DLNA-compatible digital media server (pages 21 and 27).
- 4 **⏮/⏭ button**
 - Press to cue to the beginning of the currently playing track, next track or previous track. Hold down to go quickly forward or backward in the currently playing track.
 - While using the Internet Radio function: Press to go to the previous or next radio station (only when a Live365 station is selected) (page 29).

- 5** DSGX button
Use to generate a more dynamic sound (page 30). Each press of the button switches the DSGX (Dynamic Sound Generator X-tra) function “On” or “Off”. This function is factory set to “On”.
- 6** VOLUME +* and VOLUME – buttons
Use to adjust the volume.
- 7** Menu operation buttons
Use to select menu items and enter menu settings (page 11).
- ↑, ↓, ← and → buttons
Use to select a menu item or to change a setting.
 - ENTER button
Use to enter a setting.
- 8** PARTY button
Use to enter or leave PARTY MODE (page 22).
- 9** Music Surfin’ buttons
Use to select the additional channels of Music Surfin’ during x-DJ (page 26).
- 10** I/⏻ (power) button
Turns the power on or off.
- 11** AUDIO IN button
Selects the Audio In function and plays audio data on an external device connected to the AUDIO IN jack of the unit. Sound is output from the unit’s speakers (page 29).
- 12** ▶|| button
Use to start or pause playback.
- 13** PRESET EQ button
Selects a pre-set customized sound setting (page 30). Each press of the button changes the sound style as follows.
◆FLAT → ROCK → POPS → JAZZ → CLASSICAL → DANCE → FLAT → ...
(◆: Factory setting)
- 14** x-DJ button
Selects and plays an x-DJ channel on the “GIGA JUKE” Music Server (page 24).

To insert the batteries into the remote control

Slide and remove the battery compartment lid, and then insert the two supplied R6 (size AA) batteries (– end first) matching the polarities as shown below.

When the remote control is no longer able to operate the unit, replace both batteries with new ones.

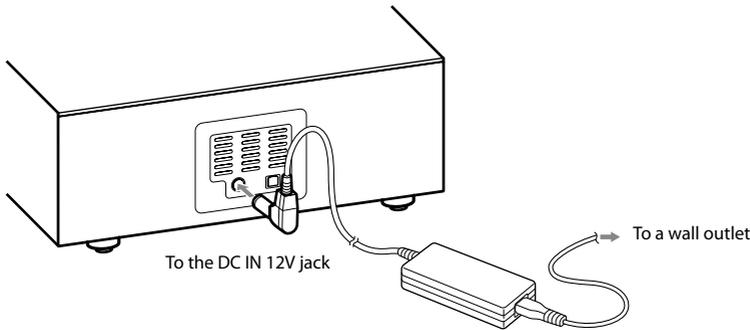


Note

Be sure to keep the remote sensor of this unit out of direct sunlight or bright lights, or the remote control may stop working.

Turning on the power

- 1 Use the supplied AC power adaptor to connect the unit to a wall outlet.
The On/Standby indicator lights up red.



- 2 Press I/⏻ (power).
The unit turns on and the On/Standby indicator lights up green.

💡 Tip

If you do not perform an operation for one minute on the unit after connecting the unit to a wall outlet with the supplied AC power adaptor, a demonstration will automatically begin. To stop the demonstration, press either I/⏻ (power), PARTY, x-DJ, HOME NETWORK, INTERNET RADIO, or AUDIO IN. To disable the demonstration, set the clock (page 15).

To turn off the power

Press I/⏻ (power). The unit turns off and enters standby mode.

About the On/Standby indicator

The On/Standby indicator indicates the operation status of the unit.

Operation status	On/Standby indicator	
The AC power adaptor is not connected	Off	
The AC power adaptor is connected	The unit is in standby mode	Lights up red
	The unit is turned on	Lights up green
	An abnormality has occurred	Flashes red

Note

Before you disconnect the AC power adaptor, make sure to press I/⏻ (power) to place the unit in standby mode first. If you disconnect the AC power adaptor while the unit is not in standby mode, the unit may malfunction and data may not be stored properly.

Changing the display language

English, French, German, Italian, or Spanish can be selected for the display language.

- 1** Press **SETTINGS**.
The Settings menu appears.
- 2** Select **[Option] – [Language]**.
- 3** Select the desired language from the **[Language]** setting.

Display	Language
◆ English	English
Français	French
Deutsch	German
Italiano	Italian
Espanol	Spanish

(◆ : Factory setting)

- 4** Press **ENTER**.
The display changes in the selected language.



Tip

Information whose source is the “GIGA JUKE” Music Server, a computer, or Internet Radio appears on this unit in the language of the “GIGA JUKE” Music Server, computer, or Internet Radio service provider, regardless of the display language selected on this unit.

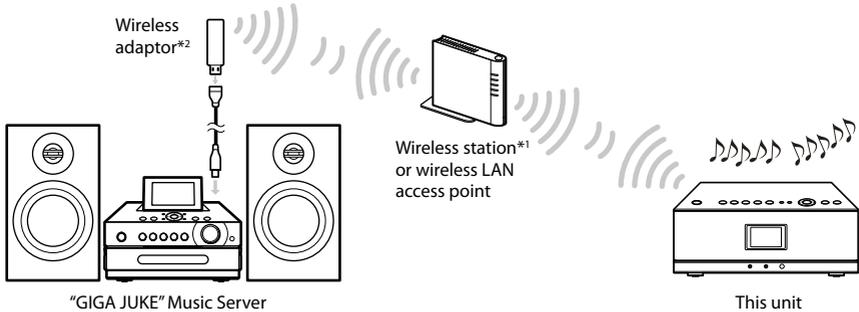
Setting the clock

The time on the clock must be correctly set for the proper operation of functions. Do the procedure below to set the clock.

- 1** Press **SETTINGS**.
The Settings menu appears.
- 2** Select [Option] – [Clock].
- 3** Select [Change].
When the correct date and time are displayed, select [OK].
- 4** Select the date format ([Day/Month/Year], [Month/Day/Year], or [Year/Month/Day]).
- 5** Select the time format ([24-hour clock] or [12-hour clock]).
- 6** Set the date and time.
Press **←/→** to select the item and press **↑/↓** to change the item.
Press and hold **↑/↓** to change the parameter sequentially.
- 7** Press **ENTER**.
“Confirm clock settings.” appears in the display.
- 8** Select [OK], and then press **ENTER**.

Connecting the unit to a “GIGA JUKE” Music Server

To listen to audio data on your “GIGA JUKE” Music Server, you need to connect the unit and the “GIGA JUKE” Music Server over a wireless station*¹ or a wireless LAN access point.



*¹ Supplied with the NAS-SC55PKE

*² Supplied with the “GIGA JUKE” Music Server

You need the following devices.

- This unit
- “GIGA JUKE” Music Server (NAS-S55HDE*)
 - * Compatible models as of March, 2008
 - Refer to the customer support site of Sony Europe, <http://support.sony-europe.com/> for the latest information (for customers in Europe only).
- Network devices needed to create a wireless LAN environment
 - For NAS-SC55PKE owners: Wireless station and wireless adaptor (supplied)
 - For NAS-S55HDE owners: Wireless LAN access point* (optional) and wireless adaptor (supplied)
 - * BUFFALO AOSS-compatible wireless LAN access point WHR-HP-G54 or other access point that is compatible with AOSS is recommended.

About AOSS

The AOSS (AirStation One-Touch Secure System) is a technology developed by BUFFALO Inc. that simplifies connections and settings for wireless networks.

💡 Tips

- For customers who purchased NAS-SC55PKE, the supplied wireless station and wireless adaptor allow you to set up a wireless network easily through Instant (S-IWS) connection.
- If you use the optional AOSS-compatible wireless LAN access point and wireless adaptor (supplied with the “GIGA JUKE” Music Server), the setup can be done with one push of the AOSS button on the wireless LAN access point.
- When connected to a wireless LAN access point, the unit can play audio files stored on a computer connected to the same wireless network.
- You can connect the “GIGA JUKE” Music Server to a wireless LAN access point through a cable. For details, refer to “Connecting the unit to the Internet through a wired network” in the “GIGA JUKE” Music Server operating instructions.

Before connecting

Confirm the required items by the instruction below. The connection and setup procedure will differ, depending on the device that you use.

For details on connecting and setting up the “GIGA JUKE” Music Server, refer to the operating instruction supplied with your “GIGA JUKE” Music Server.

When using Instant (S-IWS) connection (NAS-SC55PKE only)

You can use the Instant (S-IWS) connection to connect the unit to a network with the supplied wireless station and the wireless adaptor. For details, refer to the “Quick Connection and Setup Guide” supplied with the NAS-SC55PKE. (S-IWS is an abbreviation of “Sony Instant Wireless Audio Setup”.)

When using AOSS connection

You need the wireless station*¹ or an AOSS-compatible wireless LAN access point (WHR-HP-G54*²).

You can use the AOSS connection to connect the unit to a network. (AOSS connection is also possible with an access point other than the models mentioned above, as long as it is compatible with AOSS.)

For details on connections, see “Setting up the network through an AOSS connection” (page 18).

*¹ Supplied with the NAS-SC55PKE

*² WHR-HP-G54 is a BUFFALO AOSS-compatible access point.

If you do not have the wireless station or an AOSS-compatible access point

You can set up a wireless network with an AOSS-incompatible wireless LAN access point.

Automatic setup is not possible. The setup must be done manually or through a search for settings.

For details on connections, see “Setting up the network manually” (page 19).

Setting up the network through an AOSS connection

When you use the wireless station (supplied with the NAS-SC55PKE) or an AOSS-compatible wireless LAN access point, you can set the wireless network through an AOSS connection.

1 Connect the wireless station or the wireless LAN access point to "GIGA JUKE" Music Server.

For details on connections, refer to the "GIGA JUKE" Music Server operating instructions.

2 Confirm the server function of "GIGA JUKE" Music Server is active.

The server function of "GIGA JUKE" Music Server is factory set to "Start". For details on activating the server function, refer to the "GIGA JUKE" Music Server operating instructions.

3 Connect the unit to "GIGA JUKE" Music Server.

Note

You may encounter setup difficulties if the unit and the wireless station or the wireless LAN access point are located too far from each other. If you do, place the devices closer to each other.

- 1 Press **SETTINGS** on the unit.
The Settings menu appears in the display.
- 2 Select [Network setting] – [Manual setting] – [Connection setting] – [AOSS].
Follow the instructions that appear in the display. When you are instructed to press the AOSS button, press and hold the AOSS button on the wireless station or the wireless LAN access point until the AOSS or the SECURITY indicator flashes. The wireless station or the wireless LAN access point will then be automatically set.
- 3 When "AOSS setting with wireless station/access point is completed." appears, select [OK].
A server selection display appears.
- 4 Select the name of the server (such as [NAS-S55HDE])* that you want to connect to.
* Server name: This name appears in the [Server setting] menu of the "GIGA JUKE" Music Server.

The connection between the unit and the "GIGA JUKE" Music Server is completed.

Setting up the network manually

When you use an AOSS-incompatible wireless LAN access point, you can set the connection manually.

1 Connect the wireless LAN access point to “GIGA JUKE” Music Server.

For details on connections, refer to the “GIGA JUKE” Music Server operating instructions.

2 Confirm the server function of “GIGA JUKE” Music Server is active.

The server function of “GIGA JUKE” Music Server is factory set to “Start”. For details on activating the server function, refer to the “GIGA JUKE” Music Server operating instructions.

3 Connect the unit to “GIGA JUKE” Music Server.

Note

You may encounter setup difficulties if the unit and the wireless LAN access point are located too far from each other. If you do, place the devices closer to each other.

For details on the input values for the following procedures, refer to the operating manual of the respective device or the information provided by your Internet provider.

- 1 Press **SETTINGS** on the unit.
The Settings menu appears in the display.
- 2 Select [Network setting] – [Manual setting] – [Connection setting] – [Manual].
- 3 When “Change the wireless LAN setting values?” appears, select [Yes].
The unit automatically starts searching for a connectable wireless network (SSID).
- 4 Select the network name (SSID) from the list or select [Direct input].
- 5 Follow the instructions that appear in the display and set the necessary items.
“Network name (SSID)” and “Security setting” appear only if you selected [Direct input] in step 4.
To enter text, press **↑/↓** repeatedly until the desired letter or number appears, and then press **ENTER**. Each time you press **↑/↓**, the character type changes in the following order.
Numbers (0 to 9) → Uppercase alphabet (A to Z) → Lowercase alphabet (a to z) → Symbols (!, ", #, \$, ...)
After selecting the character type (“0”, “A”, “a”, or “!” is displayed), press and hold **↑/↓** until the desired character appears.

Continued 

- ▶ **Network name (SSID):** Enter the network name (SSID).
- ▶ **Security setting:** Select [WEP64/128bit], [WPA/WPA2], or [None].
- ▶ **Network key:** Enter the network key (security key). Hexadecimal number, ASCII code can be used.
- ▶ **Address setting:** Select [Full automatic] or [Custom].

When you select [Full automatic]:

The unit automatically sets the IP address and the DNS server, and then moves to the display for step 6.

When you select [Custom]:

The display switches to the IP address setting display.

- ▶ **IP address setting:** Select [Auto (DHCP)] or [Manual].

When you select [Auto (DHCP)]:

The unit automatically sets the IP address, subnet mask, and default gateway.

When you select [Manual]:

Enter the values for the IP address, subnet mask, and default gateway.

- ▶ **DNS server setting:** Select [Auto] or [Manual].

When you select [Auto]:

The unit automatically sets the DNS server.

When you select [Manual]:

The DNS server setting window appears. Specify DNS 1 (preferred DNS server) and DNS 2 (alternate DNS server).

6 When “Switch network settings to manual.” appears, select [OK].

The server selection window appears.

7 Select the name of the server (such as [NAS-S55HDE])* that you want to connect to.

* Server name: This name appears in the [Server setting] menu of the “GIGA JUKE” Music Server.

The connection between the unit and the “GIGA JUKE” Music Server is completed.

Setting up a proxy server manually

You may have to set up a proxy server, depending on the specifications of your Internet provider or the network settings.

1 Enter the Settings menu and select [Network setting] – [Manual setting] – [Proxy setting] – [On].

Specify the IP address and port number, and then press and hold ENTER.

2 When “Switch proxy settings.” appears, select [OK].

Note

If after opening the Settings menu no operation is performed for three minutes, the setup is automatically cancelled. When this occurs, items that were entered are not saved.

Playing audio data stored on your "GIGA JUKE" Music Server

You can use this unit to play audio data stored on your "GIGA JUKE" Music Server.

Before you can do this, you must first connect the unit to the "GIGA JUKE" Music Server.

Note

If standby mode on the "GIGA JUKE" Music Server is set to "Standard (power save)", the unit will not be able to connect to the "GIGA JUKE" Music Server.

1 Press HOME NETWORK.

If you are using the unit for the first time, a server selection display appears.

The next time you press HOME NETWORK, the unit automatically connects to the last connected server and the playback window appears (the server selection display does not appear).

If information regarding the last audio data played is no longer available, or if [Off] has been set for [Server setting] – [Server auto connect], the server selection display will appear.

2 Press \uparrow/\downarrow to select the name of the "GIGA JUKE" Music Server (such as [NAS-S55HDE]) that you want to connect to.

3 Press \uparrow/\downarrow to select the item you want to play.

You can select the following items.

- ▶ Playlist*
- ▶ Artist*
- ▶ Album*
- ▶ Genre*
- ▶ Year*
- ▶ All tracks*
- ▶ Select server

* Items are displayed in the language that is set on the "GIGA JUKE" Music Server.

- Press \leftarrow to go to the next directory up. If you press \leftarrow after reaching the highest directory, the display returns to the playback window.
- Press \rightarrow to go to the next directory down.
- After you select the directory, press \lll/\ggg on the remote control to scroll the list.

4 Press ENTER or \rightarrow to switch the display, and then select the track you want to play.

The unit starts playing the selected track and the playback display appears.

Make sure that there is sound output from the speakers of the unit.

Tip

If the unit is turned off and enters standby mode while still connected to the "GIGA JUKE" Music Server, the last playback display is saved and appears again the next time you turn on the unit.

Note

If the connected server contains a large amount of audio data, it may take a while for the display to change while the unit is searching for a track.

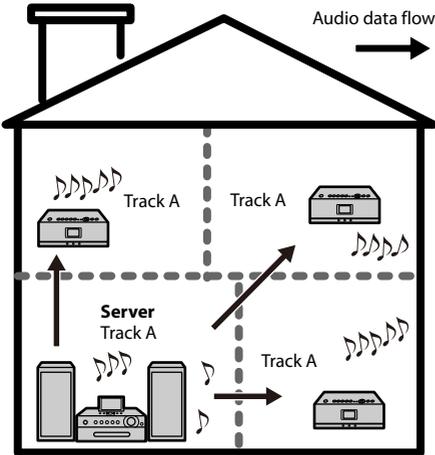
Other operations

To	Do the following
Pause playback	Press $\ggg\ \lll$ during playback. Press $\ggg\ \lll$ again to resume playback.
Fast-rewind or fast-forward the current track	Press and hold \lll/\ggg .
Go to the beginning of the current track, previous track, or next track.	Press \lll/\ggg on the remote control repeatedly.
Stop playback	Press I/\cup to turn off the unit. The next time you turn on the unit, the unit starts playing the track from the point at which it stopped.

Listening to the same track in different rooms (PARTY MODE)

PARTY MODE allows you to enjoy listening to the music being played on the “Host” (“GIGA JUKE” Music Server) while in a different room. This unit is factory set to automatically enter PARTY MODE as “Guest” whenever the “Host” enters PARTY MODE.

The unit automatically turns on when it is invited to PARTY MODE, even when the unit is turned off.



When the “Host” (“GIGA JUKE” Music Server) enters PARTY MODE, the unit automatically activates the HOME NETWORK function, “Now preparing...” appears in the display, and then the PARTY indicator flashes.

When the preparations are completed, the PARTY indicator lights up.

It will take about 10 seconds before the playback sound is output.

To leave PARTY MODE

Press PARTY.

“Leave PARTY MODE play. OK?” appears in the display. Select [OK].

Notes

- If you are operating the unit (such as when using the Internet Radio function) when the unit is invited to enter PARTY MODE, a message appears. Follow the directions indicated in the message.
- If the track being played by the “Host” has a format that is not supported by the unit, the file cannot be played on the unit.
- The unit leaves PARTY MODE when you select a different function.
- When the unit enters PARTY MODE, the On-timer setting is cancelled.
 - PARTY MODE continues even when the On-timer starting time has arrived.
 - PARTY MODE continues even when the On-timer ending time has arrived.
 - If the unit is invited to PARTY MODE during track playback by the On-timer function, the unit enters PARTY MODE and starts playing the track that is being played by the “Host”.
- The unit leaves PARTY MODE and automatically turns off when the time set for the Sleep timer elapses.
- Items in the Settings menu cannot be set while the unit is in PARTY MODE.

To disable automatic entering of PARTY MODE

1 Press SETTINGS.

The Settings menu appears.

2 Select [Option] – [Auto join PARTY MODE].

3 Select [Off].

The unit does not enter PARTY MODE automatically.

To set the automatic entering of PARTY MODE, select [On].

To enter PARTY MODE while [Auto join PARTY MODE] is set to [Off], press the PARTY button. If the “Host” is playing a track at the time, the unit will not start playing from the middle of the track. The unit will start playing when the “Host” starts playing the next track.

Changing a server

When you want to change to a different server, do the following procedure.

- 1 Press HOME NETWORK.
- 2 Press **←** to display the window shown below*.



* Items are displayed in the language that is set on the “GIGA JUKE” Music Server.

- 3 Press **↑/↓** to select [Select server].
A server disconnection confirmation window appears.
- 4 Press **↑/↓** to select [OK].
The unit is disconnected from the server and a list of servers appears.
The icon next to the server name indicates the server type.

Icon	Server type
No icon	This is a server you have connected to before and which is presently operating.
	This is a server you have connected to before, but which is presently not operating or not recognizable.
	This is a server you have never connected to before.

- 5 Press **↑/↓** to select the server.

To update the server list

Select [Update info] while the server list is displayed.

The unit searches for new servers and an updated server list appears.

Tip

The unit keeps a history of the last ten connected servers. This history can also be deleted (below).

To edit the server list

You can delete non-operating or unrecognizable servers from the list.

- 1 While the Home Network function is active, press SETTINGS on the unit.
The Settings menu appears.
- 2 Select [Server setting] – [Server delete].
A list of deletable servers appear.
If there are no deletable servers, “There is no server to delete.” appears in the display.
- 3 Select the server you want to delete.
Each time you press ENTER, the check box is checked or unchecked.
- 4 Select [OK].
All checked servers are deleted.

Note

Servers that are presently operating do not appear on the deletable server list and cannot be deleted.

To manually select a server each time

When the Home Network function is activated on the unit, it is factory set to automatically connect to the last connected server.

You can change the setting to manually select the server instead.

1 Press **SETTINGS**.

The Settings menu appears.

2 Select **[Server setting] – [Server auto connect]**.

3 Select **[Off]**.

Using x-DJ

You can use the x-DJ and Music Surfin' functions of the "GIGA JUKE" Music Server on this unit. For details on these functions, refer to the "GIGA JUKE" Music Server operating instructions.

Before you can do this, you must first connect the unit to the "GIGA JUKE" Music Server over a wireless network and select the "GIGA JUKE" Music Server as the server that the unit connects to (page 21).

List of x-DJ channels (NAS-S55HDE)

Ch.	Category*1	Channel name*1	Description
◆ 001	Basic	Recommended	Tracks recommended for each time of day
		Recommended: Morning	
		Recommended: Afternoon	
		Recommended: Evening	
		Recommended: Night	
		Recommended: Midnight	
◆ 002		Favorites	Shuffle all tracks in the favorites list.
◆ 003		Shuffle All	Shuffle all tracks
◆ 004		Newly Added	Shuffle most recently imported tracks
005		Radio Music*2	Music tracks recorded from radio
006		Radio Talk*2	Talk tracks recorded from radio
◆ 101	Feel	Fine Day	Happy songs to improve your mood
◆ 102		Rainy Day	Mellow, heavy-hearted songs
◆ 103		Energized	High-spirited songs
◆ 104		Slow Life	Calming songs
◆ 201	Style	Lounge	Lounge music
202		Classical	Classical tracks
203		Urban	Rhythm & Rap, R&B tracks,
204		Extreme	Intense Rock tracks
205		Ballad	Ballads
206		Retro	Tracks with antique feel
◆ 301	Type	Acoustic	Tracks with acoustic instruments
302		Electronic	Tracks with electronic instruments
303		Instrumental	Tracks without vocals
◆ 304		Vocal	Tracks with vocals
401	Scene: Life	Good Morning	Fresh tracks for wake-up
402		Good Night	Calm, quiet tracks for bedtime
◆ 403		Party Time	Up-tempo tracks for parties
◆ 501	Scene: Workout	Walking	Middle tempo tracks for walking
◆ 502		Running	Up-tempo tracks for running
503		Meditation	Ambient and environmental tracks for meditation
909	Extra	Explore	Other kinds of tracks

◆ These channels are displayed even when there are no applicable tracks (factory setting).

*1 Items are displayed in the language that is set on the “GIGA JUKE” Music Server.

*2 If you set the “Track mark” setting to “Auto”, “Radio Music” and “Radio Talk” channels are created during recording.

List of Music Surfin’ channels (NAS-S55HDE)

Button on the remote control	Name of the channel	Description
	ARTIST	Tracks by the same artist
	YEAR	Tracks released in the given range of years
	MOOD	Tracks with a similar mood
	ALBUM	Tracks from the same album

Using x-DJ

- 1** Press x-DJ.
The channel selection display appears and the unit plays the main part of the displayed track.
- 2** Press **↑/↓** to select the desired channel.
The unit plays the main part of the first track in the selected channel repeatedly.
- 3** Press **←/→** to select the desired track in the channel.
Each time you press **←/→**, the unit plays the main part of the selected track. If you press ENTER, the unit starts playing the selected track from its beginning.



If the unit is turned off and enters standby mode while an x-DJ channel is selected, CH. 001 will appear the next time you turn on the unit, regardless of which channel was last selected.

Using Music Surfin'

If you press the Music Surfin' button while playing a channel in x-DJ, the following channels are temporarily created using the tracks in the "GIGA JUKE" Music Server.

- **(ARTIST)** button: ARTIST channel containing tracks by the currently selected artist.
- **(YEAR)** button: YEAR channel containing tracks from the same era as the currently selected track.
- **(MOOD)** button: MOOD channel containing tracks with a mood similar to that of the currently selected track.
- **(ALBUM)** button: ALBUM channel containing tracks by the currently selected album.

For example, if you press the **(ARTIST)** button while listening to your favorite artist, the unit assembles all the tracks by that artist and puts them into a temporary channel that you can listen to.

If there is only one track that can be assembled to a channel, the channel cannot be selected.

- 1** Play an x-DJ channel.
The x-DJ playback display appears.
- 2** Press the desired Music Surfin' button (**(ARTIST)**, **(YEAR)**, **(MOOD)**, or **(ALBUM)**) on the remote control.
The selected channel appears.
- 3** Press **←/→** to select the desired track, and then press ENTER.
The unit starts playing the selected track. To return to the x-DJ channel, press the Music Surfin' button selected in step 2.

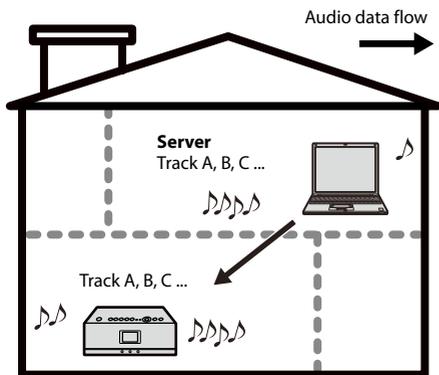
Other operations

To	Do the following
Pause playback	Press ▶ during playback. Press ▶ again to resume playback.
Fast-rewind or fast-forward the current track	Press and hold ◀◀/▶▶ .
Go to the beginning of the current track, previous track, or next track.	Press ◀◀/▶▶ on the remote control repeatedly.
Stop x-DJ or Music Surfin'	Press I/⏻ to turn off the unit. The next time you turn on the unit, CH. 001 appears.

Playing audio data in a computer

This unit can play audio data stored on digital media servers that supports the DLNA (Digital Living Network Alliance) standards. Before playing audio data, you need to connect the unit and the computer through a wireless LAN access point.

For details on the network connections, refer to the operating manual of the wireless LAN access point.



For details on computers that can be connected and audio formats that can be played, see pages 46 and 47.

Make sure the server function of your computer's software is activated.

- 1 Press HOME NETWORK.
- 2 Select the server to be connected.
When the server selection display appears, press **↑/↓** to select the server.
If the server selection display does not appear, do the procedure "Changing a server" (page 23) to select the server.
- 3 Press **↑/↓** to select the item you want to play.
The items that are displayed (tracks, artists, albums, genres, folder name, etc.) depends on the connected server.

- Press **←** to go to the next directory up. If you press **←** after reaching the highest directory, the display returns to the playback window.
- Press **→** to go to the next directory down.
- After you select the directory, press **⏪/▶▶** on the remote control to scroll the list.

4 Press ENTER or **→** to switch the display, and select the track you want to play.

The unit starts playing the selected track and the playback display appears. Make sure that there is sound output from the speakers of the unit.

💡 Tip

If the unit is turned off and enters standby mode while it is still connected to the computer, the last playback display is saved and appears again the next time you turn on the unit.

Notes

- The unit cannot sort a list of playable tracks.
- If the connected server contains a large amount of audio data, it may take a while for the display to change while the unit is searching for a track.

Other operations

To	Do the following
Pause playback	Press ⏸ during playback. Press ⏸ again to resume playback.
Fast-rewind or fast-forward the current track	Press and hold ⏪/▶▶ .
Go to the beginning of the current track, previous track, or next track.	Press ⏪/▶▶ on the remote control repeatedly.
Stop playback	Press I/⏻ to turn off the unit. The next time you turn on the unit, the unit starts playing the track from the point at which it last stopped.

Repeat play • Shuffle play

You can listen to tracks in random order or repeatedly (repeat play). Play modes can be changed in the Home Network function.

- 1 Press **SETTINGS**.
The Settings menu appears.
- 2 Select [Play mode].
- 3 Select the desired play mode.

Play mode/ icon	Description
Continue (default)/ No icon	All tracks after the selected one are played in the order of the track list, and then playback pauses.
All repeat / 	All tracks in the playback area which includes the current track are played repeatedly in the order of the track list.
1 repeat /  1	The current track is played repeatedly.
Shuffle / SHUF	All tracks in the playback area which includes the current track are played once in random order, and then playback pauses.
Shuffle repeat /  SHUF	All tracks in the playback area which includes the current track are played repeatedly in random order.

Notes

- During shuffle play, you cannot skip to the beginning of the previous track even if you press . However, you can skip to the beginning of the current track.
- During shuffle play, folders cannot be shuffled.

Listening to the Internet radio

You can listen to Internet radio broadcasts offered on the Web by Live365 and SHOUTcast. To listen to the Internet radio, the wireless station or the wireless LAN access point has to be connected to the Internet. For details on connecting to the Internet, refer to the operating manual of the wireless LAN access point. For details on Internet radio services, refer to the supplied "Internet Radio service on "GIGA JUKE" Wireless Player".

- 1 Press **INTERNET RADIO**.
The unit changes to the Internet Radio function.
- 2 Select [Live365] or [SHOUTcast].
- 3 If you select [Live 365] in step 2, select the desired station.
If you select [SHOUTcast] in step2, select the desired genre, sub genre and station.
The unit starts receiving the selected radio station.

Notes

- The service contents mentioned in this manual are current as of July, 2008. These contents are subject to change or cancellation without notice.
- If after selecting a radio station the unit does not connect within one minute, "Cannot connect to the radio station." appears in the display. If you select [OK], the playback display appears with no sound.
- If the clock is not correctly set, you will not be able to obtain the list of radio stations compiled by the Live365 website.



If the unit is turned off and enters standby mode while still receiving a radio broadcast, the station is saved and appears again the next time you turn on the unit.

To update Live365 and SHOUTcast information

Select [Update info] while the list of radio stations is displayed.

The unit searches for new stations and an updated radio station list appears.

Other operations

To	Do the following
Pause reception of a radio broadcast	Press ► . Press ► again to resume the broadcast.
Change the radio station	Press ◀◀/▶▶ on the remote control repeatedly (only when a Live365 station is selected). Or press ◀ to go back to the radio station list and select a station again.

Listening to an externally connected device

You can listen to the playback sound from an external portable audio device (such a “WALKMAN”) connected to the AUDIO IN jack on the unit. The playback sound is output from the unit’s speakers.

Note

Make sure to turn down the volume of the unit, otherwise the large sound output may cause damage to the unit’s speakers.

- 1 Connect an external device to the AUDIO IN jack on the front of the unit.
- 2 Press AUDIO IN.
The unit changes to the Audio In function.
- 3 Start playback on the externally connected device.
The playback sound is output from the unit’s speakers.
- 4 Press VOLUME + or – to adjust the volume.



If the sound volume of the connected device is too high or too low, you can change the input level on the unit (page 34).

Note

You cannot operate the externally connected device from this unit.

Setting the sound quality

Selecting a sound style (Preset EQ)

You can select the sound style from six preset equalizer settings to match the genre of music.

- 1 Press **SETTINGS**.
The Settings menu appears.
- 2 Select **[Sound] – [Preset EQ]**.
- 3 Select the sound style.
You can select the style from the following items.
 - ▶ FLAT (no equalizer; factory setting)
 - ▶ ROCK
 - ▶ POPS
 - ▶ JAZZ
 - ▶ CLASSICAL
 - ▶ DANCE



Tip

You can set the sound style with the **PRESET EQ** button on the remote control.

Each press of the button change the sound style as follows.

FLAT → ROCK → POPS → JAZZ → CLASSICAL
→ DANCE → FLAT → ...

Generating a more dynamic sound (Dynamic Sound Generator X-tra)

You can reinforce the bass and create a more powerful sound.

The DSGX setting is ideal for music sources.

- 1 Press **SETTINGS**.
The Settings menu appears.
- 2 Select **[Sound] – [DSGX]**.
- 3 Select **[On]*** or **[Off]**.
* Factory setting



Tip

You can set this function with the **DSGX** button on the remote control.

Press **DSGX** repeatedly. Each time you press the button, the DSGX function changes “On” and “Off”.

Using the timer

Using the Sleep timer

You can set the Sleep timer so that the unit enters standby mode automatically after a certain period of time (Sleep timer function).

- 1** Press **SETTINGS**.
The Settings menu appears.
- 2** Select **[Sleep timer]**.
- 3** Select the time interval from **[15minutes]**, **[30minutes]**, **[60minutes]**, or **[90minutes]**.
The Sleep timer is set and  appears on the playback display. After the selected time elapses, the volume turns down gradually and the unit enters standby mode automatically.

Tips

- You can also set the Sleep timer using the **SLEEP** button on the remote control. Each time you press the button, the interval changes as follows.
[Off] → **[15minutes]** → **[30minutes]** → **[60minutes]** → **[90minutes]** → **[Off]**...
- While the Sleep timer is set, press the **SLEEP** button on the remote control to check the remaining time before the unit enters standby mode. If you press the button again, the Sleep timer is set again.

Note

If you perform the following operations before the Sleep timer goes off, the Sleep timer resets.

- Disconnect the AC power adaptor.
- Turn off the unit (the unit enters the standby mode).
- Perform **[Network setting]** in the Settings menu.
- Perform **[Option] – [Factory default]** in the Settings menu.

Using On-timer

You can set the On-timer to start playing the desired source at a specified timer (On-timer function). You can set up to two On-timers. Make sure to set the clock before setting the On-timer (page 15).

- 1** Select a track or the Internet radio station that you want to play with the On-timer.
- 2** Press **SETTINGS**.
The Settings menu appears.
- 3** Select **[On-timer]**.
- 4** Select **[Timer1]** or **[Timer2]**.
- 5** Select **[On]**.
The On-timer setting display appears.
- 6** Set **[Start:]** (start time) and **[End:]** (end time).
Press **↑/↓** to change the time and press **ENTER** to enter the setting.
Each time you press **ENTER**, the cursor moves as follows.
“hour” (start time) → “minutes” (start time) → “hour” (end time) → “minutes” (end time).
Press and hold **↑/↓** to change the parameter sequentially.
- 7** Set the day of the week.
Press **↑/↓** to select the day and press **ENTER**.
Each time you press **ENTER**, the selected day is checked or unchecked.
Confirm that the day you want to set the On-timer is checked, select **[OK]**, and then press **ENTER**.

Continued 

8 Select the source you want to play.

If you select [Yes], the currently playing source will be played when the start time is reached. If you select x-DJ as the source, CH. 001 will be played no matter which channel you select.

If you select Internet Radio as the source, the station currently being received will be set.

If you select [No], the source that you set the last time will be played.

9 Press VOLUME +/- to adjust the playback volume.

If you select [Yes], the current volume is set when the start time is reached.

If you select [No], the volume you set the last time remains set.

“Confirm on-timer settings.” appears.

10 Select [OK].

The On-timer is set and  appears on the playback display.

3 minutes prior to the start time, the device starts preparing for the On-timer playback.

20 seconds before the finish time, the volume turns down gradually and the device goes into standby mode automatically after the finish time.

Tips

- If you do not want to set the finish time, set it to [---:---].
- While the On-timer is set in the Home Network function, the play mode changes temporarily to [1 repeat]. After completing the setting, the play mode is restored.
- If the specified track is erased or the specified radio station cannot be received before the On-timer starts, an alarm sounds at the start time. Press any button to stop the alarm. However, if you erase the specified track or the unit is disconnected from the Internet within 3 minutes before the start time of the On-timer setting, the alarm does not go off.
- If the time periods for the timer 1 and timer 2 overlap, the timer which start time is set earlier than the other one overrides the later one.

Notes

- You cannot set On-timer in the Audio In function.
- The On-timer setting is erased if you disconnect the AC power adaptor.
- If the unit is already turned on 3 minutes before the start time of On-timer, the On-timer is not activated.
- If the On-timer has been set, do not operate the unit within 3 minutes of the start time. If you do, the On-timer may not function.

Changing settings

You can set or change the various settings. Do the following procedure to change the setting.

- 1 Press **SETTINGS**.
The Settings menu appears.
- 2 Press **↑/↓** to select the item, and then press **ENTER**.
Press **←** to return to the upper directory.
- 3 Repeat step 2 until you complete the settings.

To cancel the settings

Press **SETTINGS** to return to the first directory of the Settings menu. Press **SETTINGS** again so that the Settings menu disappears.

Setup items

→ First directory	→ Second directory	Description
Play mode		You can set the play mode to play audio data in random order or to play repeatedly (page 28). (Factory setting: continue)
Sound		You can set the sound quality.
	Preset EQ	You can select the sound style from six preset equalizer settings to match the genre of music (page 30). (Factory setting: FLAT)
	DSGX	You can set to generate a more dynamic sound (Dynamic Sound Generator X-tra) (page 30). (Factory setting: On)
Sleep timer		You can set the time interval for the standby mode (page 31).
On-timer		You can set to start playback at a specified time (page 31). You can set up to two On-timers.
Server setting		You can set the unit to connect to a server automatically. You can also delete a server from the server history.
	Server auto connect	In the Home Network function, you can set the unit to automatically connect to the last connected server (page 24). (Factory setting: On)
	Server delete	You can delete non-operating or unrecognized server from the list (page 23).

Continued 

→ First directory	→ Second directory	Description
Network setting	Auto setting	You can reset the network to its factory default settings (Instant (S-IWS) setting).
	Manual setting	You can set [Connection setting] and [Proxy setting] manually. <ul style="list-style-type: none"> When you select [Connection setting]: You can select the connection type from [Instant (S-IWS)], [AOSS], or [Manual]. <ul style="list-style-type: none"> Instant (S-IWS): Refer to the “Quick Connection and Setup Guide”. AOSS (page 18) Manual (page 19) When you select [Proxy setting]: You can specify the proxy server setting (page 20).
Option		You can set various settings.
	Clock	You can set the current date and time (page 15). (Factory setting: 1/1/2008 00:00)
	Auto join PARTY MODE	This determines whether the unit enters PARTY MODE ([On]) or not ([Off]) when the unit is invited to PARTY MODE (page 22). (Factory setting: On)
	My name	You can enter the name of the unit to be displayed on the “GIGA JUKE” Music Server.
	AUDIO IN sensitivity	You can select the input sensitivity that suits the output level of the external component connected to the AUDIO IN jack. <ul style="list-style-type: none"> High (Headphone out): Select this level for input from the headphone jack of a portable device. Low (Line out): Select this level for input from the line out jack of a portable device (factory setting).
	Language	You can select the display language from English, French, German, Italian, or Spanish (page 14). (Factory setting: English)
	Backlight	You can set whether the backlight of the display window always stays on or goes on/off automatically while the device is turned on. <ul style="list-style-type: none"> Always on: The backlight stays on (factory setting). Auto off: The backlight turns off automatically after 90 seconds elapses without operations. If you operate it while the backlight is off, it lights up automatically.
	Factory default	You can reset all device parameters to their factory settings.

→ First directory	→ Second directory	Description
Device information		You can see the network information, MAC address, firmware version, and device ID of the unit.
	My name	You can check the name of this unit.
	Network information	<ul style="list-style-type: none"> • Connection setting • Network name (SSID) • Security setting • IP address setting • IP address/Subnet mask • Default gateway • DNS server setting • DNS 1 / DNS 2 • Proxy setting
	MAC address	You can check the MAC address of the unit.
	Firmware version	You can check the firmware version of the unit.
	Device ID	You can check the device ID that is used for the Internet radio.

Troubleshooting

If you have any problems with this product, follow the procedures below to check your device before consulting our Customer Information Service Center.

If any messages or error codes appear, make note of them.

- 1** Check this “Troubleshooting” to inspect the corresponding problem.
You may be able to find some information in the instructions of this manual. Check the corresponding instructions. For details about troubleshooting the Instant (S-IWS) connection, refer to the “Quick Connection and Setup Guide” supplied with the NAS-SC55PKE.
- 2** Check the customer support site of Sony Europe at <http://support.sony-europe.com/> (for customers in Europe only).
You will find the latest support information and a FAQ at this web site.
- 3** If after steps 1 and 2 you still cannot solve the problem, consult your nearest Sony dealer.

Power

Problem	Causes/measures
The unit does not turn on.	<ul style="list-style-type: none">→ Connect the AC power adaptor firmly to this unit and to a wall outlet (page 13).→ The unit’s internal system may be malfunctioning, or the unit may be suffering from strong electrical noise caused by power supply abnormalities due to being dropped, excessive static electricity, or lightning. In this case, disconnect the AC power adaptor, wait about 30 seconds, and then reconnect it.
The unit does not turn off.	<ul style="list-style-type: none">→ The unit’s internal system may be malfunctioning, or the unit may be suffering from strong electrical noise caused by power supply abnormalities due to being dropped, excessive static electricity, or lightning. In this case, disconnect the AC power adaptor, wait about 30 seconds, and then reconnect it.→ The unit enters standby mode when you turn off the power (the On/Standby indicator lights up red). If you want to completely turn off the power, disconnect the AC power adaptor.
“The DC-IN voltage is too high. Connect the specified AC power adaptor.” appears and the unit enters standby mode.	<ul style="list-style-type: none">→ An AC power adaptor other than the one that was supplied is being used and an abnormally high voltage level is being input. Use the supplied AC power adaptor.

Problem	Causes/measures
<ul style="list-style-type: none"> • “The internal temperature of the device is too high.” appears, and the unit enters standby mode. • The On/Standby indicator flashes (no message appear on the display while the unit is in the standby mode). 	<p>→ If you use this unit at high-volume levels for a long time, the internal temperature of the unit may become too high. Turn off the unit, wait for a while until it cools down, and then turn on again.</p>
<p>“An error has occurred in the internal system.” appears and the unit enters standby mode.</p>	<p>→ The system’s automatic protection function has activated. Disconnect the AC power adaptor, wait about 30 seconds, and then reconnect it.</p>

Connecting the unit to the network using AOSS

Problem	Causes/measures
<p>“No wireless station/access point in AOSS mode found.” appears.</p>	<p>→ The AOSS button on the wireless station/the wireless LAN access point has not been pressed. Do the AOSS setup again.</p> <p>→ Place the unit and the wireless station/the wireless LAN access point close to each other and do the AOSS setup again.</p>
<ul style="list-style-type: none"> • “An error occurred while transferring AOSS information.” appears. • “An error occurred in security information.” appears. • “An error occurred while transferring security key.” appears. 	<p>→ There was an information exchange failure between the unit and the wireless station/the wireless LAN access point. Wait a while, and then do the AOSS setup again.</p> <p>→ Place the unit and the wireless station/the wireless LAN access point close to each other and do the AOSS setup again.</p>
<p>“Another device is connected to the access point. Try again later.” appears.</p>	<p>→ The AOSS setup is being performed for another device. Wait a while, and then do the AOSS setup again.</p>
<p>“Multiple wireless stations/access points in AOSS mode found. Try again later.” appears.</p>	<p>→ Multiple wireless stations/wireless LAN access points in AOSS mode were detected. Wait a while, and then do the AOSS setup again.</p>

Listening to audio data stored on a “GIGA JUKE” Music Server or a computer (Home Network function)

Problem	Causes/measures
<ul style="list-style-type: none"> • You cannot connect the unit to a network. • “Cannot connect to the server.” appears. • “A communication error occurred.” appears. • “A communication error occurred. Information retrieval cancelled.” appears. • “GIGA JUKE Wireless Player” appears and the unit does not go on. 	<ul style="list-style-type: none"> → Make sure that the wireless station/the wireless LAN access point is turned on. → Make sure that your “GIGA JUKE” Music Server and computer are turned on. → The network settings on the unit may be incorrect. Press SETTINGS and select [Device information] – [Network information] to check the settings. → The “GIGA JUKE” Music Server or computer may be unstable. Restart it. → Confirm that the “GIGA JUKE” Music Server and the computer are connected to the wireless station/the wireless LAN access point correctly. → Check the following conditions to confirm that the “GIGA JUKE” Music Server and the computer are properly prepared: <ul style="list-style-type: none"> • The server has started. • The server function is set to [Start]. • This unit has been registered. → Place the unit and the wireless station/the wireless LAN access point close to each other. → If the ICF (Internet Connection Firewall) function is active on the computer, this may prevent the unit from connecting to the computer. You may need to change the firewall settings to allow the unit to connect. (For details on changing the firewall settings, refer to the operating manual of your computer). → If you format the system of the “GIGA JUKE” Music Server or performed a system recovery on your computer, perform the network settings again (pages 18 and 19).
<p>The “GIGA JUKE” Music Server or computer does not appear in the server selection display.</p>	<ul style="list-style-type: none"> → You may have turned on this unit before you turned on the “GIGA JUKE” Music Server or the computer. Select [Update info] in the server selection display to update the server list (page 23). → Make sure that the wireless station/the wireless LAN access point is turned on. → Make sure that your “GIGA JUKE” Music Server and computer are turned on. → Check the following conditions to confirm that the “GIGA JUKE” Music Server and the computer are properly prepared: <ul style="list-style-type: none"> • The server has started. • The server function is set to [Start]. • This unit has been registered.
<p>You cannot play audio data normally.</p>	<ul style="list-style-type: none"> → Repeat play or shuffle play is selected. Press SETTINGS to set [Play mode] to [Continue] (page 28).

Problem	Causes/measures
The sound skips during playback.	<ul style="list-style-type: none"> → The bandwidth of your wireless LAN may be too low. Place the unit and the wireless station/the wireless LAN access point close to each other, without any obstacles between. → Your computer may be running many applications. If anti-virus software is active on the computer, temporarily disable the software as it needs large amount of system resources. → Depending on the network environment or electromagnetic wave condition, it may not be possible to play tracks with more than one client devices operating at the same time. Turn off another client device to enable the unit to play tracks.
You cannot fast-forward or fast-rewind.	<ul style="list-style-type: none"> → You cannot fast-forward or fast-rewind such content as follows by system limitations: <ul style="list-style-type: none"> • A track of which the time length is unknown. • Copyrighted WMA-format tracks. When you are playing these types of tracks, the progress bar does not appear on the playback display.
"Incompatible format found. Cannot play." appears.	<ul style="list-style-type: none"> → You cannot play any files other than audio files.
"Cannot play back." appears.	<ul style="list-style-type: none"> → You cannot play the following tracks: <ul style="list-style-type: none"> • A track that violates playback restrictions. • A track with irregular copyright information. • A track that you purchased at an online music store that does not allow home network streaming. → Confirm that the selected track has not been erased from the server. If the track has been erased, press HOME NETWORK to reselect a track. → Make sure that the wireless station/the wireless LAN access point is turned on. → Make sure that your "GIGA JUKE" Music Server and computer are turned on. → The "GIGA JUKE" Music Server or computer may be unstable. Restart it. → Confirm that the "GIGA JUKE" Music Server and the computer are connected to the wireless station/the wireless LAN access point correctly.
"There are no playable tracks" appears.	<ul style="list-style-type: none"> → If there are no tracks or folders in the selected folder, you cannot extend the folder to display its contents.

Continued 

Problem	Causes/measures
You cannot play tracks of ATRAC3 or ATRAC3plus format.	→ You may have connected to your computer with Windows Media Player as a server. Use VAIO Media Integrated Server as a server to connect to your computer (page 47).
You cannot play a copyrighted track of WMA format.	→ If you connect to your computer with VAIO Media Integrated Server as a server, a copyrighted WMA-format track cannot be played. Use Windows Media Player as a server to connect to your computer (page 47). → Depending on the WMA file format, some tracks may not be able to play.
You cannot select a previously selected track.	→ The track information may have been changed on the “GIGA JUKE” Music Server or computer. Press the HOME NETWORK button on the unit. If this does not solve the problem, reselect the server (“GIGA JUKE” Music Server or computer) in the server selection display.
Information about this unit does not appear in the [Media Sharing] section of Windows Media Player 11.	→ The device appears as “Unknown Device.” This is not a problem.

Listening to the same music in different rooms (PARTY MODE)

Problem	Causes/measures
“Cannot play back.” appears.	→ You cannot play the following tracks: <ul style="list-style-type: none"> • A track that violates playback restrictions. • A track with irregular copyright information. • A track that you purchased at an online music store that does not allow home network streaming.
“A communication error occurred.” appears.	→ Make sure that the wireless station/the wireless LAN access point is turned on. → Make sure that your “GIGA JUKE” Music Server is turned on. → The “GIGA JUKE” Music Server may be unstable. Restart it. → Make sure that the “GIGA JUKE” Music Server is connected to the wireless station/the wireless LAN access point correctly.
Normal operations cannot be performed on the unit.	→ Normal operations cannot be performed on the unit while the unit is in PARTY MODE. To perform these operations, first leave PARTY MODE.
You pressed the PARTY button to enter PARTY MODE, but the track title, album title and artist name do not appear on the unit and there is no sound output.	→ If the “Host” was playing a track at the time you pressed the PARTY button to enter PARTY MODE, the unit will not start playing until the “Host” has finished playing the current track and begins playing the next track.

Listening to the Internet radio (Internet Radio function)

Problem	Causes/measures
<ul style="list-style-type: none"> You cannot connect the unit to the Internet. “Cannot connect to the radio station.” appears. “A communication error occurred. Information retrieval cancelled.” appears. “GIGA JUKE Wireless Player” appears and the unit does not go on. 	<ul style="list-style-type: none"> → Make sure that the wireless station/the wireless LAN access point is turned on. → The network settings on the unit may be incorrect. Press SETTINGS and select [Device information] – [Network information] to check the settings. → Place the unit and the wireless station/the wireless LAN access point close to each other. → If your contract with your Internet provider limits Internet connection to one device at a time, this device will not be able to access the Internet when another device is already connected. Consult your carrier or service provider.
The sound skips.	→ The bandwidth of your wireless LAN may be too low. Place the unit and the wireless station/the wireless LAN access point close to each other, without any obstacles between.
The list of radio stations in the display window is different from the list which you edited on your computer.	→ The clock in the unit has not been set, or the time is incorrect. Press SETTINGS and select [Option] – [Clock] to set the correct time (page 15).

Timer settings

Problem	Causes/measures
“Set the clock first.” appears.	→ If the clock on the unit has not been set, you cannot set the On-timer. Set the clock before setting the On-timer (page 15).
“Select the day(s) you want to set.” appears.	→ You cannot select [OK] in the [On-timer] – [On] – [Day setting] menu until you have selected a day. Select at least one day of the week, and then select [OK].
“Play back the source for timed playback before on-timer setting.” appears.	<ul style="list-style-type: none"> → When the unit is not playing the source during the On-timer setting, you cannot select [Yes] for [On-timer] – [On] – [Source setting]. Set the On-timer while playing the desired source. → While the Audio In function is on, you cannot set [Yes] for [On-timer] – [On] – [Source setting].
<ul style="list-style-type: none"> On-timer setting does not function when the start time is reached. On-timer setting does not end when the end time is reached. 	→ On-timer setting is cancelled while the unit is entered PARTY MODE.

Changing settings

Problem	Causes/measures
“There is no server to delete.” appears.	→ If there is no server to delete, you cannot select [Server delete].

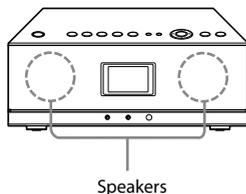
Others

Problem	Causes/measures
After connecting the AC power adaptor, no clock appears and the demonstration starts playing.	→ The unit is set to play the demonstration (page 13). If you do not want the demonstration to play, set the clock (page 15).
<ul style="list-style-type: none">• This device does not respond to any operations.• This device does not work correctly.	→ The unit’s internal system may be malfunctioning, or the unit may be suffering from strong electrical noise caused by power supply abnormalities due to being dropped, excessive static electricity, or lightning. In this case, disconnect the AC power adaptor, wait about 30 seconds, and then reconnect it.
The remote control does not work.	<ul style="list-style-type: none">→ The batteries of the remote control may not be inserted correctly. Insert the batteries into the remote control correctly (page 12).→ The batteries are weak.→ There are no batteries inside.→ Point the remote control at the remote sensor of the unit.→ An inverter circuit for a fluorescent light is near the unit. Move the unit away from the circuit.
There is no sound from the speakers.	<ul style="list-style-type: none">→ Headphones are connected. Disconnect them.→ Release pause.→ The volume is minimized. Turn up the volume.
There is no sound from the headphones.	→ Your headphones may not be plugged securely into the unit. Plug them in securely.
The entire title (of a track, radio station, etc.) cannot be displayed.	→ Due to system limitations, about 120 characters is the maximum number of characters that can be displayed per title.
The volume from the external device connected to the AUDIO IN jack is too low.	→ Press SETTINGS and select [Option] – [AUDIO IN sensitivity] – [High (Headphone out)].

Precautions

Do not drop this unit

- Do not subject the unit to strong shocks. It may cause the unit to malfunction.
- Do not exert strong pressure on the front side of this unit where the speakers are mounted.



About placement

Do not place this unit in the following locations:

- In direct sunlight or near heat sources, where the air temperature is too high. (Operate this device at temperatures between 5 °C and 35 °C (between 41 °F and 95 °F).)
- On a dashboard of a car, and inside a car in direct sunlight with closed windows (especially, during the summer months).
- Near a magnet, speakers, TV, etc. where magnetic fields are produced.
- Near a microwave oven.
- In a dusty location.
- On an insecure or uneven surface.
- In a location that is subject to vibration.
- In a location that is subject to moisture, such as a bathroom.
- Near obstacles that shield or block electrical wave, such as metal or concrete walls.
- In a location with poor ventilation.
- Near a cordless phone (base and handset).

About distortion on TV

This speaker system is not magnetically shielded, and the picture on nearby TV sets may become magnetically distorted. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the unit away from the TV.

Consideration for others

Keep the volume at a moderate level out of consideration of your neighbors, especially at night.

About condensation

If there is a rapid change in temperature, condensation (water droplets) may form in this unit, causing it to malfunction. If this occurs, leave this unit off for two to three hours. This unit should resume normal operation.

About AC power adaptor

- Use the AC power adaptor supplied with this unit. Do not use any other AC power adaptor since it may cause this unit to malfunction.



Polarity of the plug

- Connect the AC power adaptor or the AC power cord to an easily accessible AC outlet. Should you notice an abnormality in the AC power adaptor or the AC power cord, disconnect it from the AC outlet immediately.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- If you are not going to use this unit for a long time, be sure to disconnect the power supply. To remove the AC power cord from the wall outlet, grasp the adaptor plug itself; never pull the cord.

Cleaning

Clean this device with a soft cloth. If this device becomes very dirty, clean it with a soft cloth slightly moistened with a mild detergent solution. Be careful to keep the jacks from getting wet. Do not use thinner, benzene, alcohol, etc., because they can cause damage to the surface of this device.

About this unit

- If you have connected to an outside network, such as the Internet, and have allowed access from other devices, unauthorized access by malicious outsiders can occur depending on your network configuration. It may cause damages such as data falsification. To avoid this problem, before using this unit, you need to:
 - Use a router and configure it correctly.
 - Register the equipment that is to access this unit.
- It is prohibited to send or leave copyrighted products to/on an out-of-home network which can be accessed from many people without the author's permission by the Copyright Act.
- About DLNA support:
This product is designed in accordance with DLNA Guideline v1.0. This product is commercialized to gain formal DLNA accreditation. This product may be upgraded to maintain interconnectivity.

Specifications

Interface

Wireless LAN:

IEEE802.11b/g (WEP64bit/WEP128bit/
WPA-PSK TKIP/WPA2-PSK AES)
Radio frequency: 2.4 GHz

Input/Output:

AUDIO IN jack: Stereo mini jack
PHONES jack: Stereo mini jack
Service and maintenance terminal

Amplifier

Continuous RMS power output:

10 W + 10 W (10 % THD)

Power supply

AC power adaptor

Input: AC 100-240 V 50/60 Hz

Output: DC 12 V 2.5 A

Power consumption: 6 W

Operating temperature

5 °C to 35 °C (41 °F to 95 °F)

Operating humidity

20 % to 80 % (no condensation)

Dimensions

Approx. 341 × 123 × 213 mm (w/h/d) incl.
projecting parts and controls

Mass

Approx. 3.4 kg

Supplied accessories

See page 7.

Design and specifications subject to change for
improvements without notice.

System requirements of a computer to connect to this unit

Computer	<ul style="list-style-type: none">• IBM PC/AT compatible• CPU: 1.00 GHz or higher• Available hard disk drive space: 1.2 GB or more (The amount of space varies according to the amount of music data stored on the computer.)• RAM: 256 MB or more• Sound card
Operating System	The following manufacturer installed versions only: <ul style="list-style-type: none">• Windows XP Service Pack 2• Windows Vista
Software	<ul style="list-style-type: none">• Server: VAIO Media Integrated Server Ver. 6.1 Windows Media Player 11• Music management software: SonicStage Ver. 4.2 Windows Media Player 11

Notes

- We do not ensure trouble-free operation on all computers that satisfy the system requirements.
- The NTFS format of Windows XP can be used only with the original manufacturer installed version.
- We do not ensure trouble-free operation of the system suspend, system standby, or system hibernation function on all computers.
- Operating systems other than those indicated above, home-built computers, upgrade of the original manufacturer-installed operating system, multi-boot environment, multi-monitor environment, and Macintosh computers are not supported.
- Depending on the performance of your computer or operating environment, the software may work with some limitations.
- For the latest information about VAIO Media Integrated Server, refer to <http://www.vaio-link.com/>.
- For the latest information about Windows Media Player, visit the Microsoft Corporation website.

Audio formats of tracks on the computer supported by the unit

When the server is VAIO Media Integrated Server

Source content				Audio format at playback on the unit
File format	DRM, such as used by online music store		Bit rate/sampling frequency	
MP3	No		Less than 32 kHz	Linear PCM
			32 kHz or more	MP3
Linear PCM	No		—	Linear PCM
WAV	No		—	Linear PCM
WMA	Yes		—	Unable to play
	No		—	WMA
AAC	Yes		—	Unable to play
	No		—	Linear PCM
ATRAC3	Yes		—	Unable to play
	No	Recorded by SonicStage with [DRM on]	66/105/132 kbps	ATRAC3
		Recorded by SonicStage with [DRM off]	—	Linear PCM
ATRAC3plus	Yes		—	Unable to play
	No	Recorded by SonicStage with [DRM on]	48/64/256 kbps	ATRAC3plus
			Other than 48/64/256 kbps	Linear PCM
		Recorded by SonicStage with [DRM off]	—	Linear PCM

When the server is Windows Media Player

Source content				Audio format at playback on this unit
File format	DRM, such as used by online music store		Bit rate/sampling frequency	
MP3	No		—	MP3
Linear PCM	No		—	Linear PCM
WAV	No		—	WAV
WMA	Yes		—	WMA
	No		—	WMA
AAC	Yes/No		—	Unable to play
ATRAC3	Yes/No		—	Unable to play
ATRAC3plus	Yes/No		—	Unable to play

Index

A

- Access point 16
- AC power adaptor 13
- Address setting 20
- AOSS 16, 18
- Audio format 47
- AUDIO IN 6, 29
 - AUDIO IN sensitivity 34
- AUDIO IN jack 9

B

- Backlight 34

C

- Client 6
- Clock 15
- Condensation 43
- Connection 16
 - AOSS 18
 - Instant (S-IWS) 17
 - Manual setup 19

D

- Default gateway 20, 35
- Demonstration 13
- Device ID 35
- DHCP 20
- Display language 14, 34
- DNS server 20, 35
- DSGX 12, 30

E

- Equalizer (Preset EQ) 12, 30
- External device 29

F

- Factory setting 34
- Firmware version 35

G

- “GIGA JUKE” Music Server 6
 - Connection 16
 - Playback 21

H

- Home Network 6
 - Computer 27
 - “GIGA JUKE” Music Server 21

I

- Internet radio 6, 28
 - Update the list 29
- IP address setting 20, 35

L

- Live365 28

M

- MAC address 35
- Music management software 46
- Music Surfin’ 26
 - Channel list 25

N

- Network (security) key 20
- Network information 35
- Network name 20, 35
- Network settings 18, 34

O

- On-timer 31
- On/Standby indicator 13

P

- PARTY MODE 6, 22
- PHONES jack 8
- Play mode 28
- Preset EQ 12, 30
- Progress bar 9
- Proxy setting 20, 34, 35

R

- Remote control 11
 - Inserting batteries 12
- Remote sensor 9
- Repeat play 28

S

- Security setting 20, 35
- Server 6
 - Changing 23
 - Deletion from the list 23
 - Manual selection 24
 - Server name 18
 - Server settings 33
 - Software 46
 - Start 18, 19
 - Updating the list 23
- Service provider 29
- Settings menu 11, 33
- SHOUTcast 28
- Shuffle play 28
- Sleep timer 31
- Sound quality 30
- SSID 20, 35
- Subnet mask 20, 35
- Support site 5
- System requirements 46

T

- Timer 31

V

- Volume adjustment 8, 12

W

- Wireless network
 - Signal strength 9
 - Wireless adaptor 16
 - Wireless LAN access point 16
 - Wireless station 16
- Wireless station 16

X

- x-DJ 6, 24
 - Channel list 25

Trademarks, etc.

- “GIGA JUKE” and its logo are trademarks of Sony Corporation.
- “WALKMAN”,  and  are registered trademarks of Sony Corporation.
- VAIO, , and VAIO Media are registered trademarks of Sony Corporation.
- SonicStage and its logo are registered trademarks of Sony Corporation.
- “ATRAC”, OpenMG and their logos are trademarks of Sony Corporation.
- US and foreign patents licensed from Dolby Laboratories.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- Microsoft, Windows, Windows Vista and Windows Media are registered trademarks and Windows Vista is a trademark of Microsoft Corporation in the United States and/or other countries.
- Macintosh is a trademark of Apple Computer, Inc., registered in the United States and other countries.
- “AOSS” is a trademark of Buffalo Inc.
-  is a trademark of Live365.com.
-  is a registered trademark of AOL LLC.

WPA Supplicant

Copyright © 2003-2007, Jouni Malinen <j@w1.fi> and contributors All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1 Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2 Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3 Neither the name(s) of the above-listed copyright holder(s) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

- This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.

Content providers are using the digital rights management technology for Windows Media contained in this device (“WM-DRM”) to protect the integrity of their content (“Secure Content”) so that their intellectual property, including copyright, in such content is not misappropriated. This device uses WM-DRM software to play Secure Content (“WM-DRM Software”). If the security of the WM-DRM Software in this device has been compromised, owners of Secure Content (“Secure Content Owners”) may request that Microsoft revoke the WM-DRM Software’s right to acquire new licenses to copy, display and/or play Secure Content. Revocation does not alter the WM-DRM Software’s ability to play unprotected content. A list of revoked WM-DRM Software is sent to your device whenever you download a license for Secure Content from the Internet or from a PC. Microsoft may, in conjunction with such license, also download revocation lists onto your device on behalf of Secure Content Owners.

- Other system names and product names appearing in this document are generally registered trademarks or trademarks of their manufacturers.
- In this manual, Microsoft Windows XP Home Edition, Microsoft Windows XP Professional and Microsoft Windows XP Media Center Edition are referred to as Windows XP.
- In this manual, Microsoft Windows Vista Home Basic, Microsoft Windows Vista Home Premium, Microsoft Windows Vista Business and Microsoft Windows Vista Ultimate are referred to as Windows Vista.
- ™ and ® marks are omitted in this manual.



<http://www.sony.net/>

Printed in Malaysia



* 3 2 8 0 8 2 1 1 2 * (1)