

FM Stereo FM/AM Receiver

Operating Instructions

STR-LV700R

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To prevent fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc., and do not place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

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



Do not dispose of batteries with general house waste; dispose of them correctly as chemical waste.

About this manual

The instructions in this manual describe how set up your system, and how to use the remote, receiver, and Network Media to enjoy a variety of media.

This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

Screen examples in this manual

The screens used in this manual to illustrate procedures may differ slightly from the ones on your screen.

* Manufactured under licence from Dolby Laboratories.

“Dolby”, “Pro Logic” and the double-D symbol are trademarks of Dolby Laboratories.

** “DTS” and “DTS Digital Surround” are trademarks of Digital Theater Systems, Inc.

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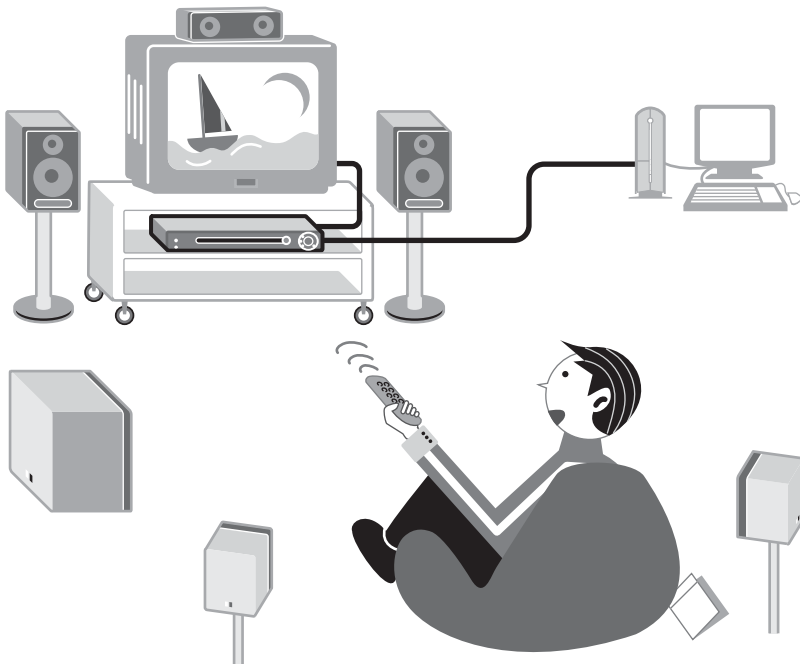
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Overview

The receiver supports the Dolby Pro Logic II system used in creating 5.1-channel audio from two-channel sources such as television or video, and allows you to enjoy high quality digital surround sound. The receiver is also equipped with Network Media, which allows you to view photographs (still images), watch video, or play back music on a VAIO computer through the 5.1-channel speaker system and television connected to the receiver. It even allows you to access data saved on VAIO computers in remote locations by establishing network connections to the receiver in the same way you would access a DVD or other source. Furthermore, if you connect a VAIO computer capable of receiving television broadcasts to the receiver, you can watch these broadcasts on your television or control programme recording on the VAIO computer from the receiver.

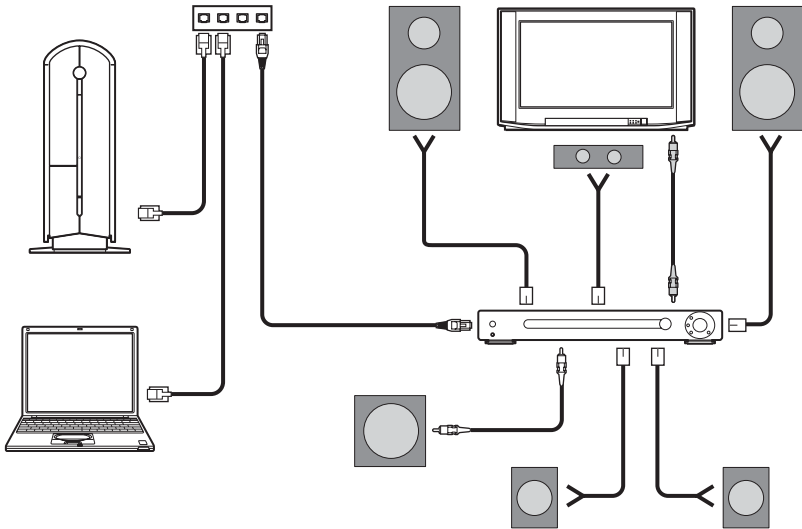


continued

5GB

Connecting several VAIO computers to the receiver

You can connect several VAIO computers through a router (equipped with a hub) or a standard hub. When you do so, you can select which VAIO computer to use as the data source.



What you can do with Network Media

Television/ **Video**

- Playing video stored on the VAIO computer (page 57).
- Viewing a television broadcast with the VAIO computer and saving it (page 70).
- Setting the timer to record a television broadcast received by the VAIO computer (page 75).
- When playing back video saved on the VAIO computer, use the film roll feature to find a particular scene (page 61).

Note

With Network Media, you can watch television programmes received by the VAIO computer, view photographs, listen to music, or watch video saved on the VAIO computer. However, you cannot access data on computers other than VAIO computers.

Photographs

- Viewing photographs (still images) on the VAIO computer as slide shows on your television (page 66).
- Playing background music during a slide show (page 67).
- Viewing a thumbnail index of your photographs (page 68).
- Selecting the photographs that you want to view (page 69).

Music

- Listening to music saved on the VAIO computer (page 63).
- Cueing up (page 64).
- Continuous playback (page 64).

Network Media multimedia compatibility

Media	Playable material	Playable files
Video	Video capsules recorded with Giga Pocket or Network Media on the VAIO computer ¹⁾ .	You can play back any video capsule other than the following: <ul style="list-style-type: none">• Playlist video capsules.• Video capsules containing only administrative information.• Video capsules set to be recorded with the recording timer.• Video capsules with viewing restrictions.
Music	Playlists saved on the VAIO computer with SonicStage or SonicStage Premium ²⁾ .	<ul style="list-style-type: none">• MP3 files• ATRAC3 files• ATRAC3 plus files• WAV files
Photographs	Photographs (still images) saved on the VAIO computer with PictureGear Studio ³⁾ and photographs (still images) saved in a specific folder on the VAIO computer ⁴⁾ .	<ul style="list-style-type: none">• Bitmap files• JPEG files• GIF files• TIFF files• PNG files

¹⁾ Network Media only allows you to view video capsules recorded on the VAIO computer with Giga Pocket and video capsules recorded on the VAIO computer with Network Media. You cannot view other video files with this function. The displayed names of video cabinets and video capsules are as they are created with Giga Pocket. For details about Giga Pocket, refer to the documentation supplied with your VAIO computer or Giga Pocket Help.

²⁾ You can only listen to playlists handled by SonicStage or SonicStage Premium. You cannot listen to other music files or music purchased from an Internet electronic music distribution (EMD) service with Network Media. The displayed names of playlist folders and playlists are as created with SonicStage or SonicStage Premium. For details about SonicStage or SonicStage Premium, refer to the documentation supplied with your VAIO computer or SonicStage Help.

³⁾ PictureGear Studio must be installed on your VAIO computer to perform this operation. When Picture Gear Studio is installed, you can use its Photo Collection feature to store still images on the Photo Server. For details, refer to PictureGear Studio Help.

⁴⁾ If PictureGear Studio is not installed on your VAIO computer, save still images in folders in the **C:\Documents and Settings\All Users\Photo Server\VAIO Media** folder. Still images stored in any other location are not detected by Network Media, and thus cannot be viewed. The name of the designated folder may vary. For details, start your VAIO computer, click **Start**, point to **All Programs, VAIO Media, Server Administration**, and then click **Photo Server Readme**.

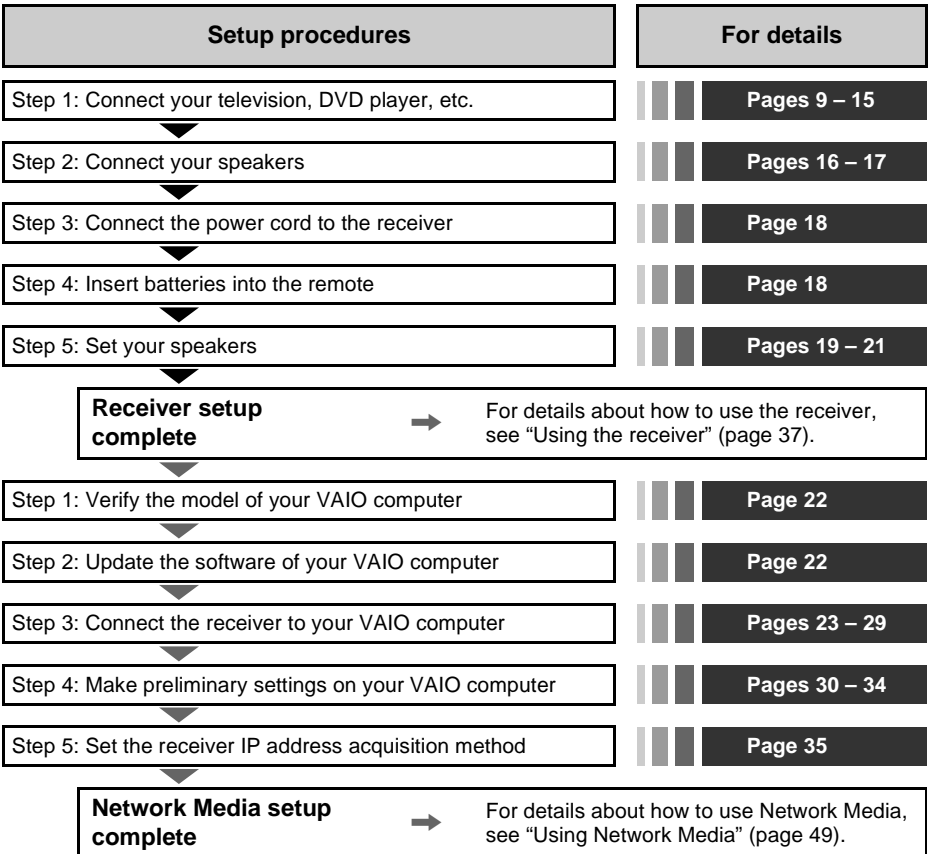
Preparations

Verifying the setup procedure

Before you can use the receiver or Network Media, you must first set them up correctly. The setup procedures for both are outlined below. For details about each setup step, simply see the appropriate section in the operating instructions, as indicated next to each step.

Note

Before you proceed, make sure that you verify the contents of the STR-LV700R package. For a complete list of the supplied items, see page 94. If any item is missing and/or damaged, consult your nearest Sony dealer.



When setup is complete

"Using the receiver" describes how to use multi-channel playback, adjust sound effects, as well as the detailed use of the receiver and the remote. Refer to it as necessary.

"Using Network Media" describes how to play back files on your computer with Network Media. Refer to it as necessary.

— Preparing the receiver

This section describes how to set up the receiver before using it.

Step 1: Verifying the connection procedure for your type of output devices

Specific connection procedures for your output devices are explained in steps 1a, 1b, and 1c. Refer to the table below to proceed.

Output device list

Output device		Pages
DVD player	With digital output jacks ¹⁾	10
	With analogue output jacks only ²⁾	14
Television		14
Satellite tuner	With digital output jacks ¹⁾	10 – 11
	With analogue output jacks only ²⁾	13 – 14
MD deck/tape deck	With digital output jacks ¹⁾	12
	With analogue output jacks only ²⁾	13
VCR		14
Antennae		15

1) When your device comes with jacks such as digital optical output or digital coaxial output jacks.

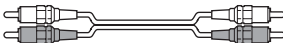
2) When you device only comes with jacks such as audio out L/R jacks.

Before you get started

The connection diagrams on the subsequent pages assume the use of the following optional cables (**A** to **D**).

A Audio cable

White (L)
Red (R)



B Video cable

Yellow



C Optical digital cable



D Coaxial digital cable



Notes

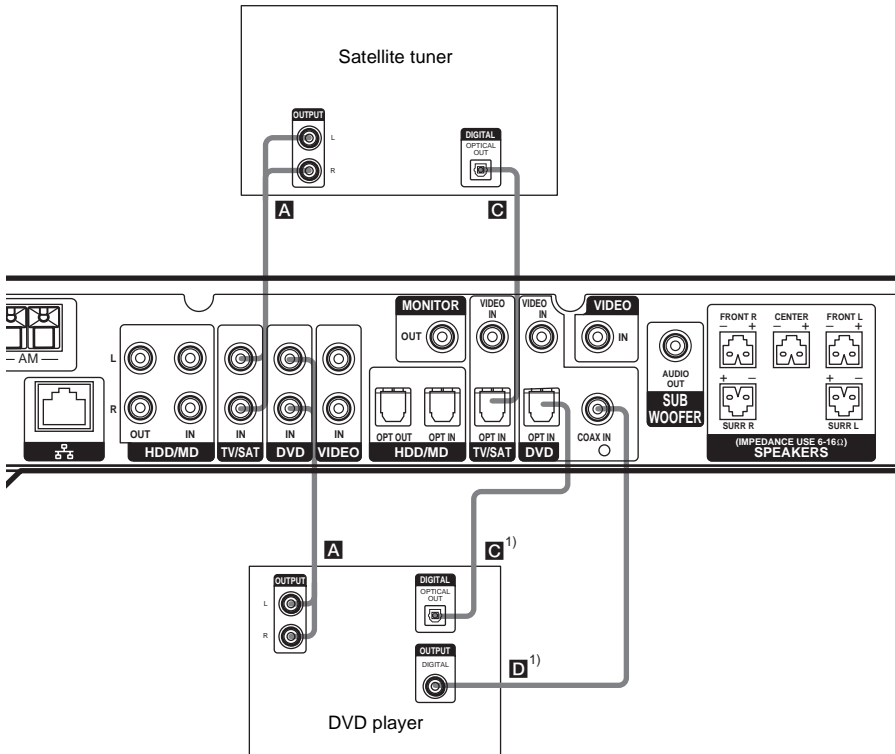
- Turn off the power to all components before making any connections.
- Be sure to make connections firmly to avoid hum and noise.
- Connect the yellow connector of the video cable to the VIDEO IN jack of the receiver.
- Connect the red connector of the audio cable to the AUDIO IN R jack, and the white connector to the AUDIO IN L jack of the receiver
- When connecting optical digital cables, insert the cable plugs straight in until they click into place.
- Do not bend or tie optical digital cables.

Step 1a: Connecting digital components

Connecting a DVD player, video, or satellite tuner

For details about the necessary cables (**A–D**), see page 9.

1 Connecting audio

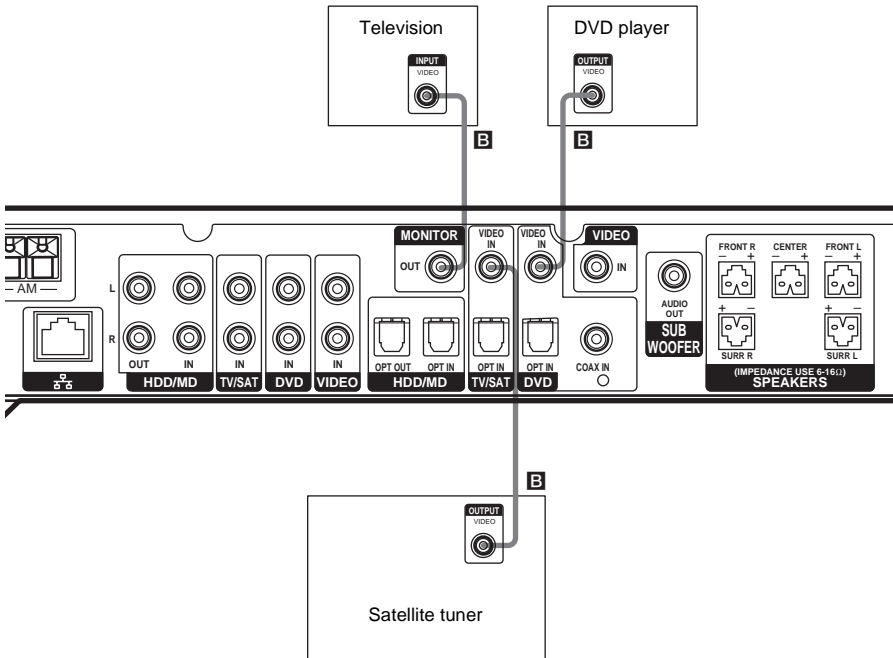


¹⁾ Connect to the COAX IN or the OPT IN jack. We recommend connecting to the COAX IN jack.

Notes

- All the digital audio jacks are compatible with 32 kHz, 44.1 kHz, 48 kHz, and 96 kHz sampling frequencies.
- To play back the multi-channel surround sound through this receiver, you may have to change the digital output setting of the connected component. For details, refer to the operating instructions supplied with the component.
- When you connect the audio output of your television to the VIDEO IN (AUDIO) jack of the receiver, you can listen to the television audio through the receiver. If you do so, also connect the video output of your television to the VIDEO IN (VIDEO) jack of the receiver.

2 Connecting video

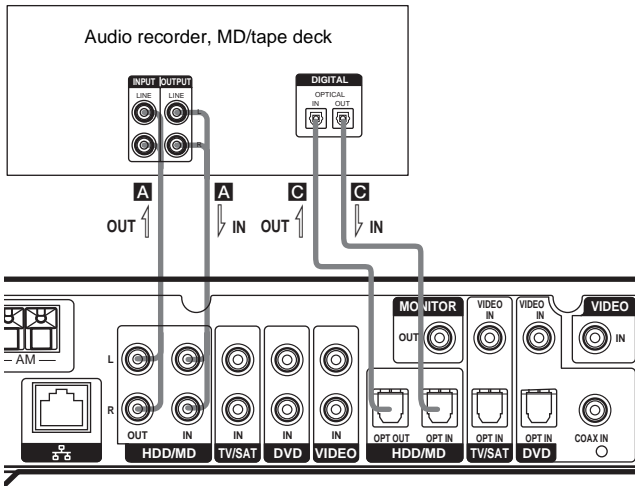


Note

When you connect the audio output of your television to the VIDEO IN (AUDIO) jack of the receiver, you can listen to the television audio through the receiver. If you do so, also connect the video output of your television to the VIDEO IN (VIDEO) jack of the receiver. If you want to connect a satellite tuner or similar device, connect the audio and video as illustrated above.

Connecting an MD or tape deck

For details about the necessary cables (**A–D**), see page 9.



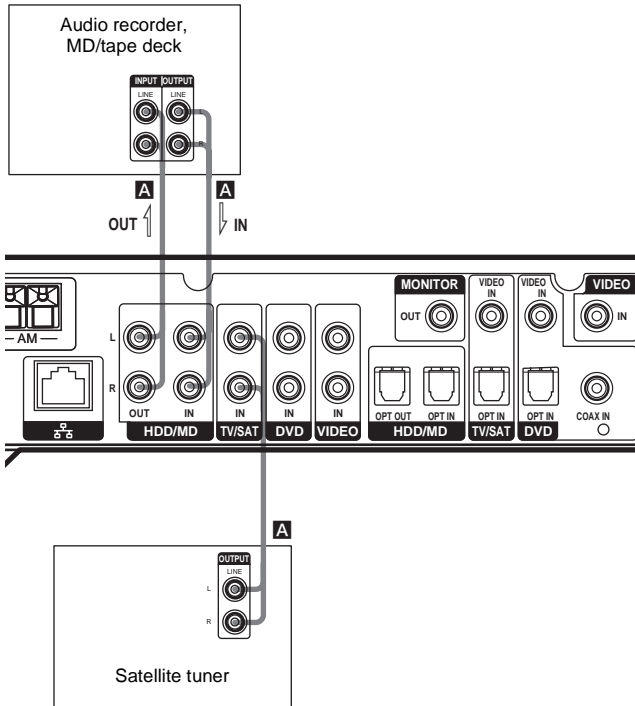
Notes

- All the digital audio jacks are compatible with 32 kHz, 44.1 kHz, 48 kHz, and 96 kHz sampling frequencies.
- You cannot record digital multi-channel surround sound digitally.
- Because there is no output to the HDD/MD OUT or OUTPUT jacks when playing back video or audio with Network Media, it is not possible to record audio with the receiver.

Step 1b: Connecting analogue components

Connecting an audio component

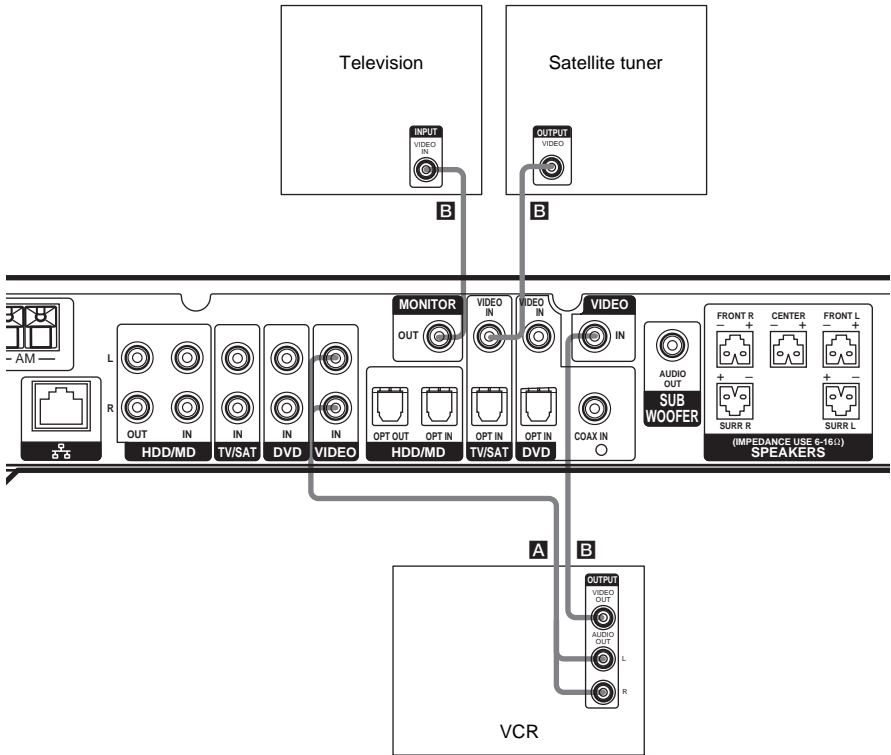
For details about the necessary cables (**A-D**), see page 9.



continued

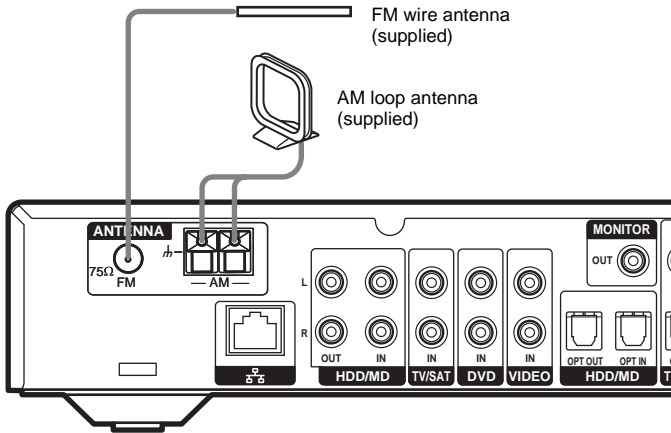
Connecting a video component

When you connect your television to the MONITOR jack, you can watch the video from the selected input (for details, see page 57). For details about the necessary cables (**A-D**), see page 9.



Step 1c: Connecting antennae

Connect the supplied AM loop antenna and FM wire antenna.



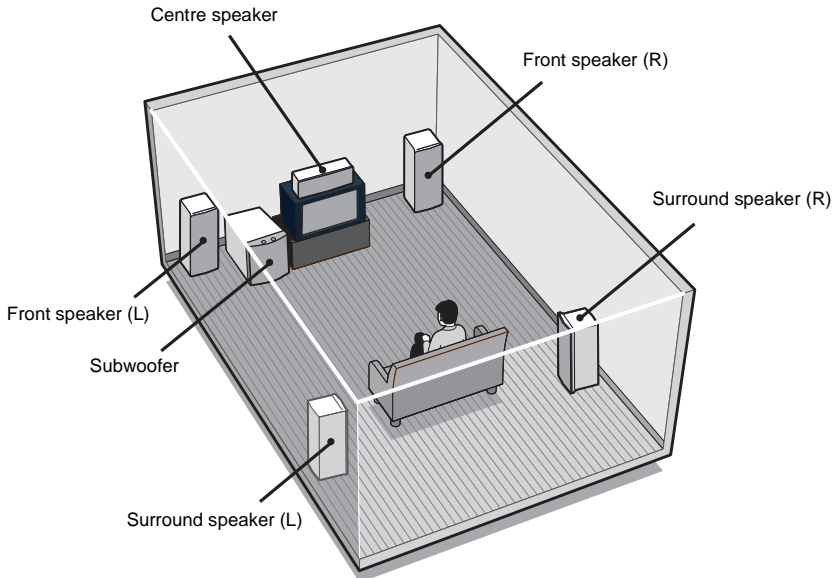
Notes

- To prevent noise pickup, keep the AM loop antenna away from the receiver and other components.
- Be sure to fully extend the FM wire antenna.
- After connecting the FM wire antenna, keep it as horizontal as possible.

Step 2: Connecting speakers

Connect your speakers to the receiver. You can connect up to a 5.1-channel speaker system to the receiver. To fully enjoy cinema quality multi-channel surround sound, you need five speakers (two front, one centre, and two surround speakers) and a subwoofer.

5.1-channel speaker configuration example



Notes

- The subwoofer is not a directional device, therefore you can place it wherever you want.
- When connecting the speaker cables, make that you attach the supplied speaker plugs to the cables. Refer to the separate sheet for details.

Speaker impedance

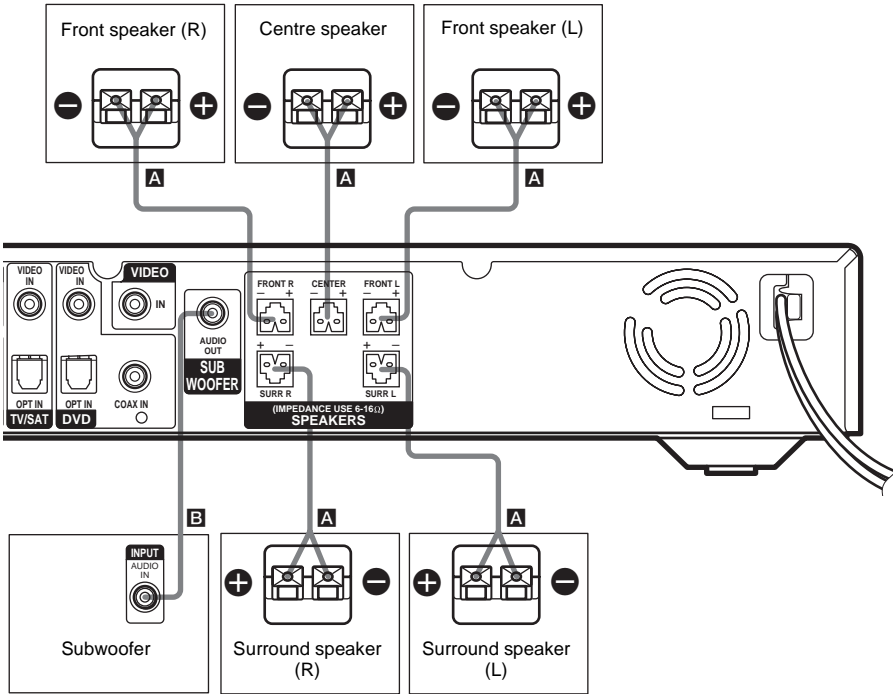
To fully enjoy multi-channel surround sound, make sure that you connect speakers of a nominal impedance of $6\ \Omega$ or more to the FRONT, CENTER, and SURROUND jacks of the receiver. If you are unsure of the nominal impedance of your speakers refer to their documentation. (The nominal impedance of most speakers appears on their rear.)

Necessary cables

A Speaker cables (not supplied)

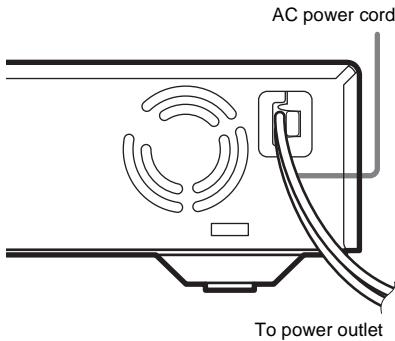


B Monaural audio cable (not supplied)



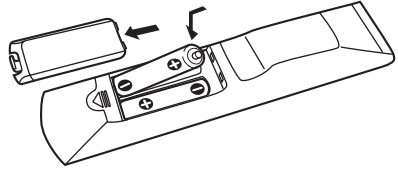
Step 3: Connecting the AC power cord

Connect the AC power cord of the receiver to the power outlet.



Step 4: Inserting batteries into the remote

Insert two R6 (size AA) batteries with the + and – properly oriented in the battery compartment.



Tip

Under normal conditions, the batteries should last about six months. When the remote no longer operates the control centre, replace both batteries with new ones.

Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not expose the remote sensor of the control centre to direct sunlight or lighting equipment. Doing so may cause malfunctions.
- If you do not use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.
- Turn off the power to all components before making any connections.
- Be sure to make connections firmly to avoid hum and noise.

Initial setup

Before using the receiver for the first time, initialise the receiver by performing the following procedure.

This procedure can also be used to return the settings that you have made to their defaults.

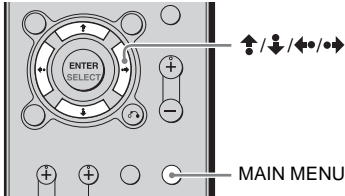
- 1 Press the I/⏻ button on the receiver to turn it off.**
- 2 Hold down the I/⏻ button for 5 seconds.**

The following items are reset or cleared when **INITIAL** appears on the display:

- All the sound field parameters are reset to their defaults.
- All **SET UP**, **LEVEL**, and **STONE** parameters are reset to their defaults.
- The sound fields memorised for each programme source and preset stations are cleared.
- The master volume is set to **VOL MIN**.

Step 5: Setting up the speakers

You can use the **SET UP** menu to set the size and distance of the speakers connected to this system.



- 1 Press **I/⏻** to turn on the system.
- 2 Press the black **MAIN MENU** button repeatedly until **SET UP** appears on the display.
- 3 Press **↑/↓** to select the menu item that you want.
For details, see “Speaker setup parameters”, below.
- 4 Press **←/→** to select the parameter.
- 5 Repeat steps 3 and 4 until you have set all the items that follow.

Speaker setup parameters

The initial settings are underlined.

■ (SUB WOOFER) (Subwoofer)

• **YES**

If you connect a subwoofer, select **YES**.

• **NO**

If you do not connect a subwoofer, select **NO**. This activates the bass redirection circuitry and outputs the LFE signals from other speakers.

■ (FRONT) (Front speakers)

• **LARGE**

If you connect large speakers that will effectively reproduce bass frequencies, select **LARGE**. Normally, select **LARGE**.

• **SMALL**

If the sound is distorted, or you feel a lack of surround effects when using multi-channel surround sound, select **SMALL** to activate the bass redirection circuitry and output the front channel bass frequencies from the subwoofer. When the front speakers are set to **SMALL**, the centre, and surround speakers are also automatically set to **SMALL** (unless previously set to **NO**).

■ (CENTER) (Centre speaker)

• **LARGE**

If you connect a large speaker that will effectively reproduce bass frequencies, select **LARGE**. Normally, select **LARGE**. However, if the front speakers are set to **SMALL**, you cannot set the centre speaker to **LARGE**.

• **SMALL**

If the sound is distorted, or you feel a lack of surround effects when using multi-channel surround sound, select **SMALL** to activate the bass redirection circuitry and output the centre channel bass frequencies from the front speakers (if set to **LARGE**) or subwoofer.

• **NO**

If you do not connect a centre speaker, select **NO**. The sound of the centre channel will be output from the front speakers.

■ (SURROUND) (Surround speakers)

• **LARGE**

If you connect large speakers that will effectively reproduce bass frequencies, select **LARGE**. Normally, select **LARGE**. However, if the front speakers are set to **SMALL**, you cannot set the surround speakers to **LARGE**.

• **SMALL**

If the sound is distorted, or you feel a lack of surround effects when using multi-channel surround sound, select **SMALL** to activate the bass redirection circuitry and output the surround channel bass frequencies from the subwoofer or other **LARGE** speakers.

• **NO**

If you do not connect surround speakers, select **NO**.

continued

Tip

The **LARGE** and **SMALL** settings of each speaker determine whether the internal sound processor will cut the bass signal from that channel. When the bass is cut from a channel, the bass redirection circuitry sends the corresponding bass frequencies to the subwoofer or other **LARGE** speakers.

However, it is best not to cut them, if possible.

Therefore, even when using small speakers, you can set them to **LARGE** if you want to output the bass frequencies from that speaker. On the other hand, if you are using a large speaker, but prefer not to have bass frequencies output from that speaker, set it to **SMALL**.

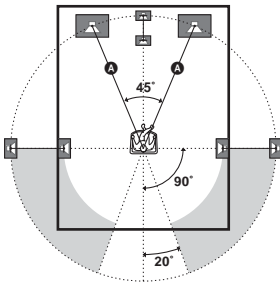
If the overall sound level is lower than you prefer, set all speakers to **LARGE**. If there is not enough bass, you can use the equaliser to boost the bass levels. To adjust the bass, see page 46.

■   DIST. X.X m
(Front speaker distance)

Initial setting: 3.0 m

Lets you set the distance from your listening position to the front speakers (**A**). You can adjust this distance from 1.0 m to 7.0 m in 0.1 m steps.


If both front speakers are not placed at an equal distance from your listening position, set the distance to the closest speaker.



■  DIST. X.X m
(Centre speaker distance)

Initial setting: 3.0 m



Lets you set the distance from your listening position to the centre speaker. You can adjust this distance from 1.0 m to 7.0 m in 0.1 m steps.

■   DIST. X.X m
(Surround speaker distance)

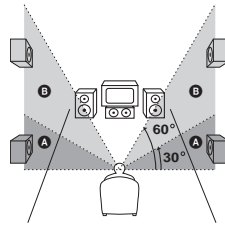
Initial setting: 3.0 m

Lets you set the distance from your listening position to the surround speakers. You can adjust this distance from 1.0 m to 7.0 m in 0.1 m steps.

If both surround speakers are not placed at an equal distance from your listening position, set the distance to the closest speaker.

■   PL.
(Surround speaker placement)*

Lets you specify the height of your surround speakers for proper implementation of the surround effects in the Cinema Studio EX modes (page 43).



• LOW

Select if the height of your surround speakers corresponds to section **A**.

• HIGH

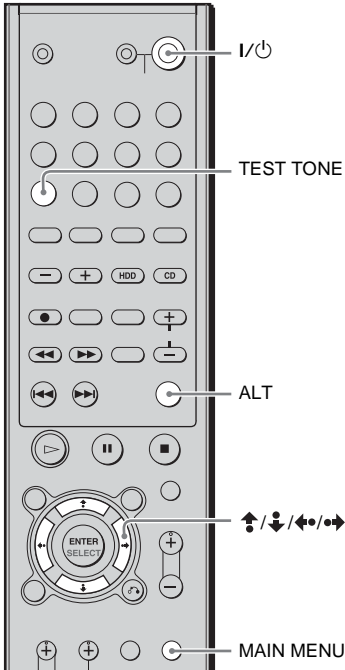
Select if the height of your surround speakers corresponds to section **B**.

* This setup item is not available when the surround speaker parameter is set to **NO**.

Step 6: Adjusting the speaker levels and balance

— TEST TONE

Use the remote while seated in your listening position to adjust the level of each speaker.



- 1 Press **I/Power** to turn on the receiver.
- 2 Rotate **VOLUME** on the receiver clockwise.
- 3 Turn on the subwoofer.
- 4 Press the **ALT** button.
- 5 Press the **TEST TONE** button on the remote.

You will hear the test tone from each speaker sequentially.

Front (left) → Centre → Front (right) → Surround (right) → Surround (left) → Subwoofer

- 6 Adjust the **LEVEL** parameters so that the level of the test tone from each speaker sounds the same when you are in your main listening position.

To adjust the balance and level of speakers, press the black **MAIN MENU** button repeatedly until **LEVEL** appears on the display, press **Up/Down** to select the parameter that you want to adjust (page 45), and then press **Left/Right** to select the setting.

- 7 Press the **TEST TONE** button on the remote again to turn off the test tone.

Tip

You can adjust the level of all the speakers at the same time. Rotate **VOLUME** on the system or press **VOLUME +/-** on the remote.

Notes

- The front balance, centre level, surround level, and subwoofer level are shown on the display during adjustment.
- To enjoy better sound quality, do not turn the volume of the subwoofer too high.

— Preparing Network Media

This section describes how to set up Network Media and your VAIO computer before using them.

Step 1: Verifying your VAIO computer model

VAIO computer models that can be connected to the receiver and use Network Media

VAIO computer models marketed from October 2003 running Windows XP Professional or Windows XP Home Edition.

Functions depend on the model of VAIO computer connected.

Supported functions	VAIO computer models marketed from October 2003	
	Models with Giga Pocket	Models without Giga Pocket
	PCV-W series PCV-RZ4 series PCV-RS3 series	PCS-RS3 series without Giga Pocket All Sony Notebooks with VAIO Media
Music playback	Yes	
Photograph viewing	Yes	
Video playback	Yes	No
Television viewing and recording	Yes	No

Notes

- VAIO computer models marketed before October 2003 do not support the functions above.
- Depending on the configuration of your VAIO computer, there may be some operation restrictions. For details about these restrictions and up-to-date information, visit the Sony home audio customer support Web site at <http://www.vaio-link.com/info/lv700R/EN/>

Step 2: Updating your software

To be able to use Network Media, you must first update the software of the VAIO computer connected to the receiver. Be sure that you use the software update corresponding to the VAIO computer connected to the receiver.

Updating software

On the home audio customer support Web site (<http://www.vaio-link.com/info/lv700R/EN/>), locate your model of VAIO computer. Download the update that corresponds to your model and follow the instructions on the screen to perform the update.

Step 3: Connections

Evaluating your home network

You can connect the receiver to your VAIO computer(s) using the Ethernet port of your computer(s), a router with a built-in network switch, or a network switching device.

These examples of home networks can help you determine the best connection method for the receiver and VAIO computer(s).

Optional equipment and cables may be necessary to connect your network media receiver and VAIO computer(s).

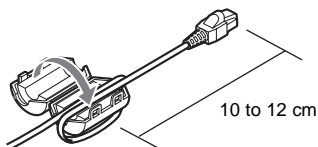
Attaching the ferrite core to the network cable

Before connecting the receiver to your network or VAIO computer, make sure that you attach the supplied ferrite core. The ferrite core is used to reduce electrical interference.

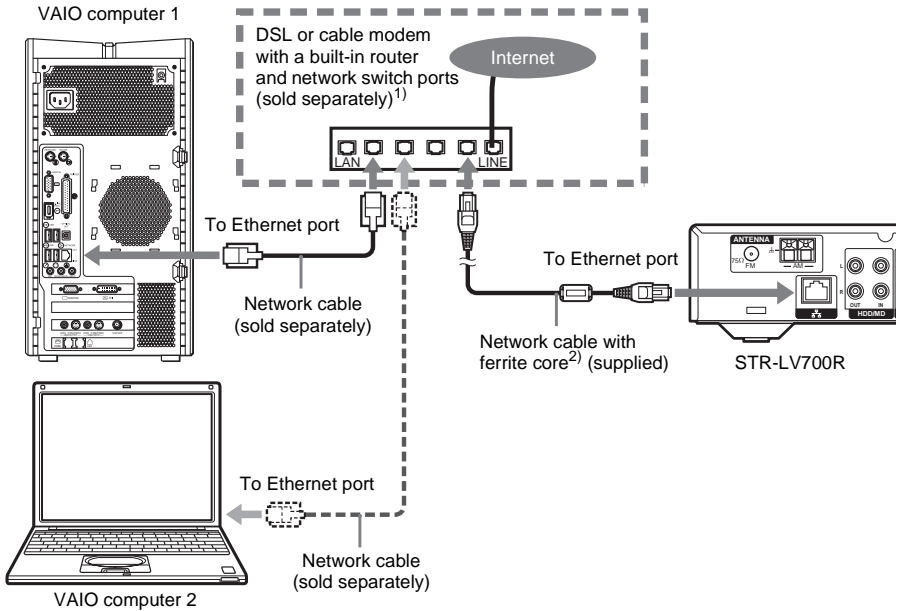
- 1** Open the ferrite core and place it approximately 10 to 12 cm from one end of the network cable.
- 2** Wrap the network cable lengthwise around the ferrite core, so that the cable runs through the groove at the centre of the core.
- 3** Close the ferrite core around the network cable.

Note

Make sure that the ferrite core is secure around the network cable.



Home network 1: DSL or cable modem equipped with a built-in router and network switch ports



¹⁾ Use a DSL or cable modem that supports 100Base-TX.

²⁾ Attach the supplied ferrite core to the supplied network cable before connecting the cable to the compatible with the receiver.

Note

Connections may vary depending on your network. Contact your Internet service provider for connection information.

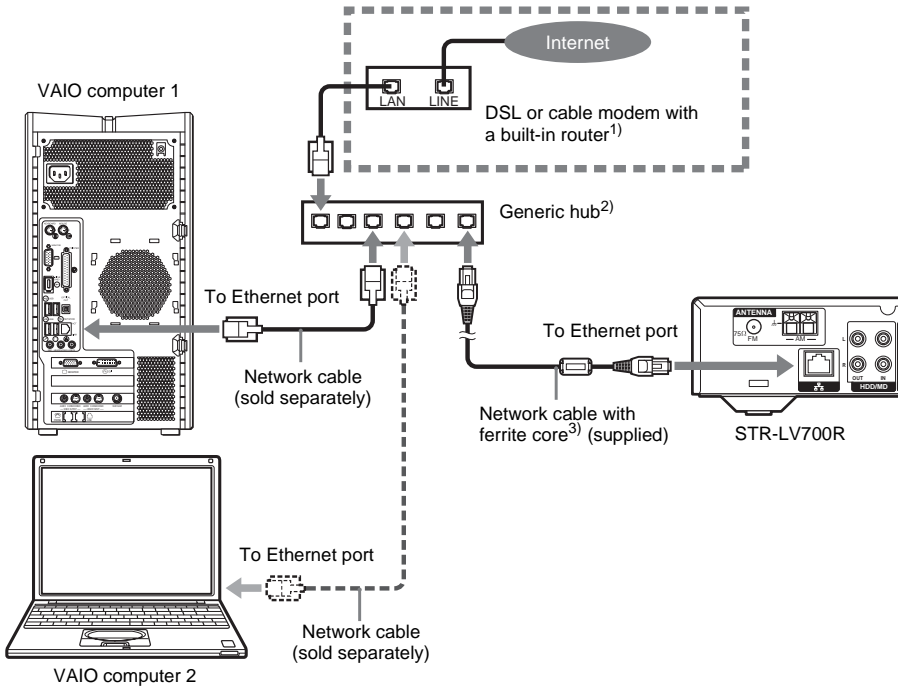
Home network 1 connection method

- 1 Connect the receiver to your DSL or cable modem (sold separately) using the network cable (supplied) with the ferrite core (supplied).
- 2 Connect the Ethernet jack of each VAIO computer to jacks on the DSL/modem using additional network cables (sold separately).

Notes

- This connection method may vary depending on factors specific to your network.
- Refer to the documentation of your DSL or cable modem to verify that it is equipped with a built-in router and network switch ports.

Home network 2: DSL or cable modem equipped with a built-in router, but without network switch ports



1) Connections may vary depending on your network. Contact your Internet service provider for connection information.

2) Use a network switch that supports 100Base-TX.

3) Attach the supplied ferrite core to the supplied network cable before connecting the cable to the receiver.

Note

Use equipment and network cables that support 100Base-TX.

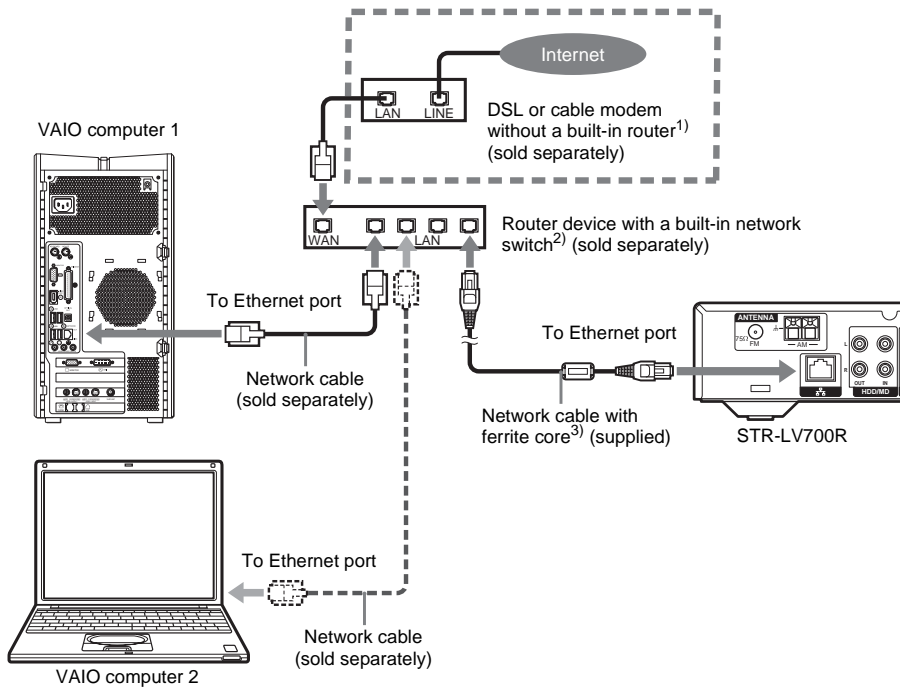
Home network 2 connection method

- 1 Connect the receiver to a network switching device (sold separately) using the network cable (supplied) with the ferrite core (supplied).
- 2 Connect the Ethernet jack of each VAIO computer to jacks on the network switch using additional network cables (sold separately).
- 3 Connect the network switching device to the DSL or cable modem using a network cable (sold separately).

Note

This connection method may vary depending on factors specific to your network.

Home network 3: DSL or cable modem without a built-in router



¹⁾ Connections may vary depending on your network. Contact your Internet service provider for connection information.

²⁾ Use a router with a built-in network switch that supports 100Base-TX.

³⁾ Attach the supplied ferrite core to the supplied network cable before connecting the cable to the receiver.

Note

Use equipment and cables that support 100Base-TX.

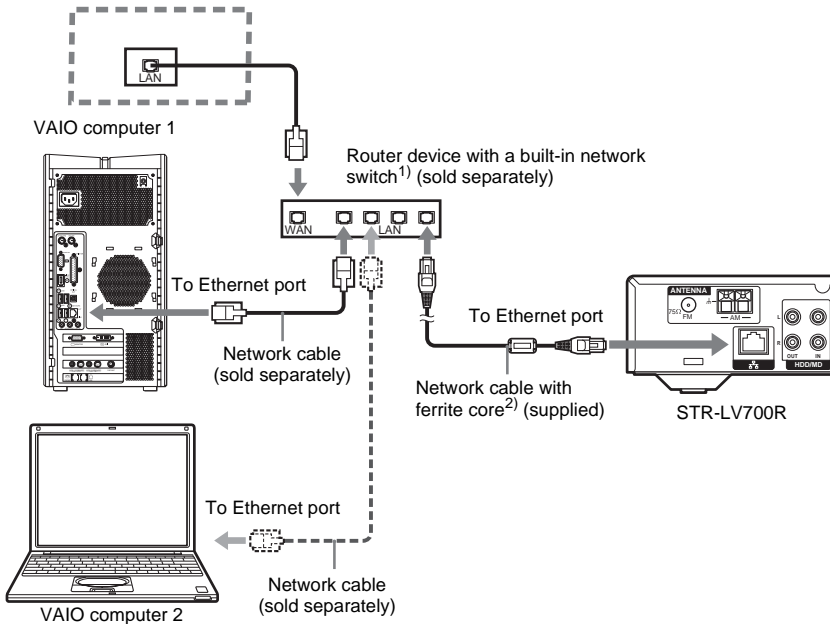
Home network 3 connection method

- 1 Connect the receiver to a router device with a network switch (sold separately) using the network cable (supplied) with the ferrite core (supplied).
- 2 Connect the Ethernet jack of each VAIO computer to jacks on the router device using additional network cables (sold separately).
- 3 Connect the WAN jack of the router device to the LAN jack on the DSL or cable modem using a network cable (sold separately).

Note

This connection method may vary depending on factors specific to your network.

Home network 4: The network cable is connected to a LAN, shared in a residential complex



1) Use a router with a built-in network switch that supports 100Base-TX.

2) Attach the supplied ferrite core to the supplied network cable before connecting the cable to the receiver.

Notes

- Connections may vary depending on your network. Contact your Internet service provider for connection information.
- Use equipment and cables that support 100Base-TX.

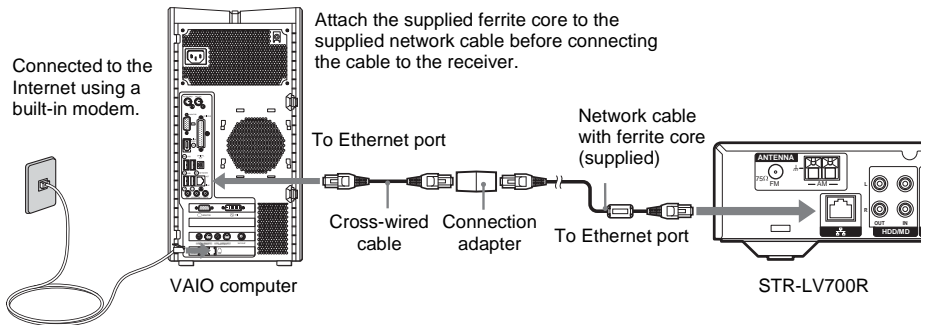
Home network 4 connection method

- 1 Connect the receiver to a router device with a built-in network switch (sold separately) using the network cable (supplied) with the ferrite core (supplied).
- 2 Connect the Ethernet jack of each VAIO computer to jacks on the router device using additional network cables (sold separately).
- 3 Connect the WAN jack on the router device to the LAN jack (residential complex).

Note

This connection method may vary depending on factors specific to your network.

Home network 5: The VAIO computer is connected to the Internet with a built-in modem.



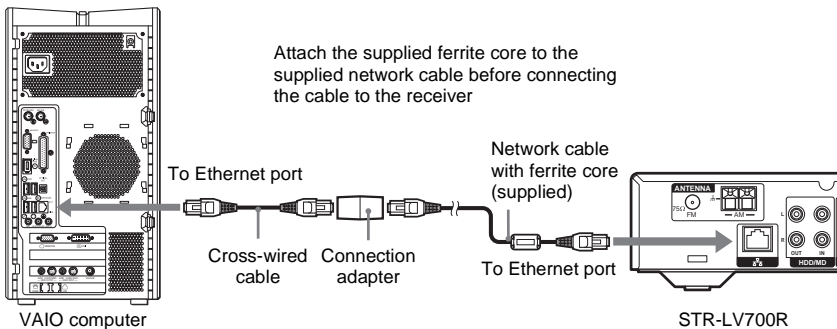
Home network 5 connection method

- 1 Connect the cross-wired cable (supplied) to the Ethernet jack of your VAIO computer.
- 2 Connect the other end of the cross-wired cable to the connection adapter (supplied).
- 3 Connect the network cable (supplied) with the ferrite core (supplied) to the connection adapter.
- 4 Connect the other end of the network cable to the Ethernet jack of the receiver.

Notes

- This connection method may vary depending on factors specific to your network.
- In home networks 5 and 6, the VAIO computer must have a fixed IP address for the LAN connection.

Home network 6: The VAIO computer is not connected to the Internet



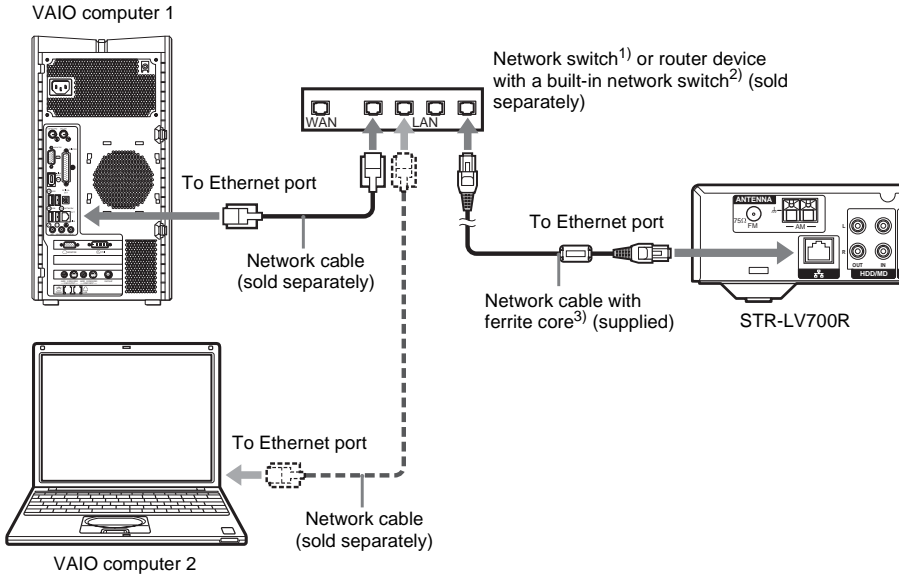
Home network 6 connection method

- 1 Connect the cross-wired cable (supplied) to the Ethernet jack of your VAIO computer.
- 2 Connect the other end of the cross-wired cable to the connection adapter (supplied).
- 3 Connect the network cable (supplied) with the ferrite core (supplied) to the connection adapter.
- 4 Connect the other end of the network cable to the Ethernet jack of the receiver.

Notes

- This connection method may vary depending on factors specific to your network.
- In home networks 5 and 6, the VAIO computer must have a fixed IP address for the LAN connection.

Home network 7: Connecting multiple VAIO computers (under conditions similar to those of home networks 5 and 6)



- 1) If connecting to a multiple-port network switching device (sold separately), the VAIO computer requires a fixed IP address.
- 2) Use a router device or a multiple-port network switching device that supports 100Base-TX. A WAN connection is not necessary.
- 3) Attach the supplied ferrite core to the supplied network cable before connecting the cable to the receiver.

Note

Connections may vary depending on your network. Contact your Internet service provider for connection information.

Home network 7 connection method

- 1 Connect the receiver to a router device with a built-in network switch or a multiple-port network switching device using the network cable (supplied) with the ferrite core (supplied).
- 2 Connect the Ethernet jack of each VAIO computer to jacks on the router device using additional network cables (sold separately).
- 3 When using a router device with a built-in network switch, a WAN connection is not necessary.

Notes

- This connection method may vary depending on factors specific to your network.
- If you are using a multiple-port network switching device, your VAIO computer must have a fixed IP address.

Step 4: VAIO computer setup

To be able to use Network Media, you must first start VAIO Media Music Server, Photo Server, and Giga Pocket Server. Configure Music Server and Photo Server according to the instructions in section 4a, “VAIO Media preparations (starting services)” (page 30), and Giga Pocket Server according to the instructions in section 4b, “Starting Giga Pocket Server” (page 30).

Note

If you reset your VAIO computer (recovery), you must make these settings again.

Step 4a: VAIO Media preparations (starting services)

To be able to use Network Media with the VAIO computer connected to the receiver, you must first make VAIO Media settings.

- 1 On the Start menu, point to All Programs, VAIO Media, Server Administration, and then click Console.**

The **VAIO Media Console** dialog box appears.

- 2 Under Access Control Settings, select the Access this computer from other computers on the network check box, and then select No device registration needed in a secure network environment.**

- 3 Under Start and Stop Servers, verify that all the server applications are enabled.**

Note

If any server application is disabled, click **Start All**.

- 4 Close the VAIO Media Console dialog box.**

Note

A message may appear at this point, but it disappears automatically.

Step 4b: Starting Giga Pocket Server

To be able to use Network Media with the television and video functions of the VAIO computer connected to the receiver, you must first start Giga Pocket Server. Note that the necessary operations depend on the marketing date of your VAIO computer, so follow the instructions for your model.

- 1 On the Start menu, point to All Programs, Giga Pocket, All Software, and then click Giga Pocket Server.**

The **Giga Pocket Server password setting** dialog box appears.

- 2 Click Set password.**

Follow the instructions on the screen to proceed.

Note

If the Giga Pocket Server password is already set, the **Giga Pocket** window appears instead of the **Giga Pocket Server password setting** dialog box. Clicking **Hide** concludes this procedure.

- 3 When the Giga Pocket Server window appears, click Hide.**

The Giga Pocket Server password is now set, and you can use Network Media with your VAIO computer.

Note

Add Giga Pocket Server to your Windows **Start** menu, for easier access.

Step 4c: Assigning a fixed IP address to the VAIO computer

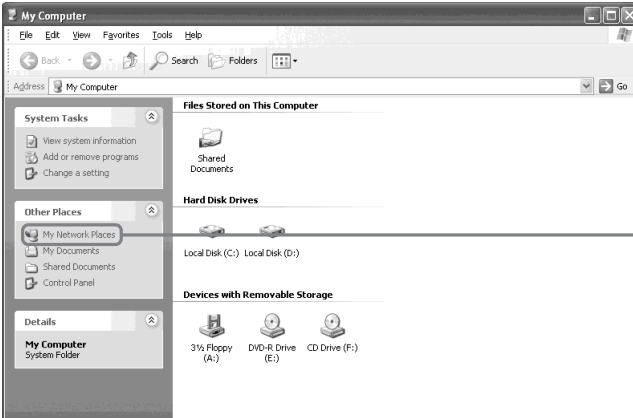
In the environments, it is necessary to assign a fixed IP address to the VAIO computer with the following procedure.

- Home networks 5 and 6 (page 28).
- Home network 7 (page 29) without a router equipped with a hub.

Note

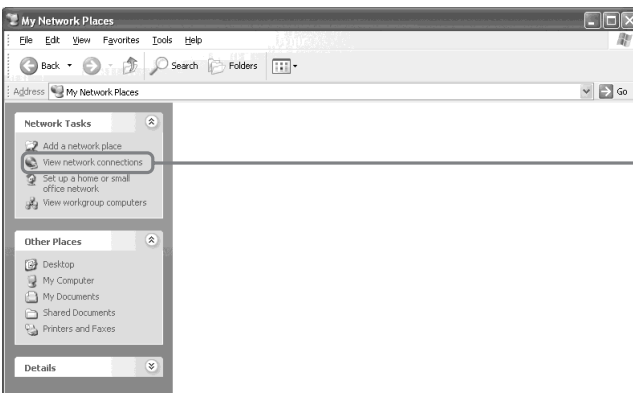
Do not make these settings if you are using a router or a router equipped with a hub.

- 1** On the Start menu, click My Computer.
The My Computer window appears.
- 2** Under Other Places, click My Network Places.



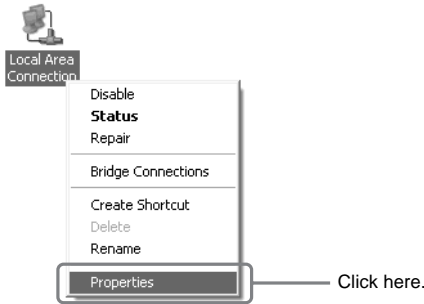
The My Network Places window appears.

- 3** Under Network Tasks, click View network connections.



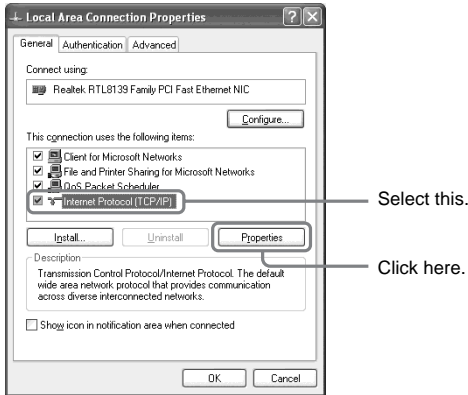
The Network Connections window appears.

4 Right-click Local Area Connection and click Properties.



The **Local Area Connection Properties** dialog box appears.

5 On the **General** tab, select Internet Protocol (TCP/IP), and then click Properties.

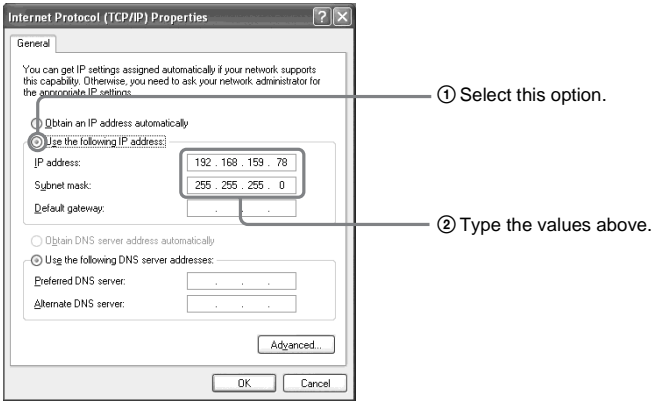


The **Internet Protocol (TCP/IP) Properties** dialog box appears.

6 Select Use the following IP address, and then type the following addresses in IP address and Subnet mask.

When connecting the receiver to more than one VAIO computer, enter a different address for each VAIO computer.

IP address	169.254.XXX.XXX (Type 169.254 as is and replace each XXX by any three-digit number from 001 to 254. For example, type: 222.222.)
Subnet mask	255.255.0.0

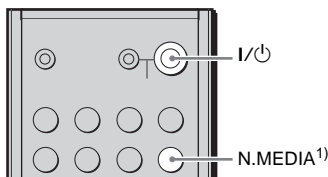


7 Click OK.

The fixed IP address of the VAIO computer is set. Close the **Local Area Connection Properties** dialog box and **Network Connections** window.

Step 5: Preparations needed to use Network Media

To be able to use Network Media, you must first start your VAIO computer, turn on your television, and then select the video input connected to the receiver.



¹⁾ Short for Network Media.

- 1 If you are using a hub or router equipped with a hub, turn it on.**
- 2 Turn on the VAIO computer.**
- 3 Once the VAIO computer is running, start Giga Pocket Server.**

Tip

We recommend that you add Giga Pocket Server to the Windows **Start** menu.

- 4 Turn on your television and select the input connected to the receiver.**

Tip

If you are using a Sony television, you can turn on the television and select the input with the remote.


- 5 Press the I/⏻ button on the remote to turn on the receiver.**
- 6 Press the N.MEDIA button to set the receiver input to N.MEDIA.**

The first time you use the receiver or after resetting it, the **Language Select** screen appears. If this is not the case, skip steps 7 to 10.

- 7 Use  to select the desired language, and then press the SELECT button.**

Note

By default, the receiver language is English.

- 8 Use  to select OK, and then press the SELECT button.**

A confirmation message in the selected language appears, prompting you to restart the receiver to apply the language change.

- 9 Press the SELECT button to close the message.**

- 10 Press the I/⏻ button to restart the receiver.**

The Network Media function screen appears on the television. (The appearance of the screen depends on the Network Media default settings (page 52).)

If you follow the procedure described in “Useful setting 3: Setting the VAIO computer to start automatically” (page 53), if the VAIO computer is on standby or hibernating, the VAIO computer starts automatically when you use Network Media.

Note

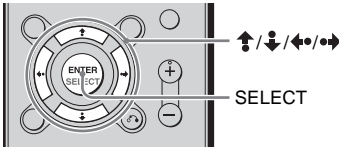
For about 20 seconds after you connect the power cord, even if you switch the receiver input to **N.MEDIA**, nothing appears on the television screen.

Tip

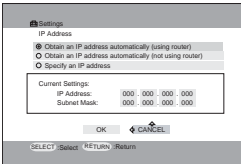
You can also select **N.MEDIA** by pressing **INPUT SELECTOR** on the receiver.

Step 6: Setting the receiver IP address acquisition method

Depending on the environment in which you are using Network Media, use the following procedure to select the method of acquiring an IP address for the receiver.



- 1 **Press the blue MAIN MENU button.**
The main menu appears.
- 2 **Select Settings, and press the SELECT button.**
The **Settings** screen appears.
- 3 **Use \uparrow/\downarrow to select System Settings, and then press the SELECT button.**
The **System Settings** screen appears.
- 4 **Use \uparrow/\downarrow to select IP Address, and then press the SELECT button.**
The **IP Address** screen appears.



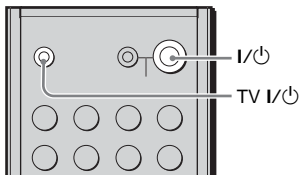
- 5 **Use \uparrow/\downarrow to select the item appropriate to the environment in which you are using Network Media, and then press the SELECT button.**
 - When using Network Media with a router
→ Select **Obtain an IP address automatically (using router)**.
 - When using this function without a router
→ Select **Obtain an IP address automatically (not using router)**.
- 6 **Use $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select OK, and then press the SELECT button.**

Tip

To set the receiver IP address, see page 77.

Step 7: Restarting the receiver

When the preparations necessary to use Network Media are complete, restart the receiver.

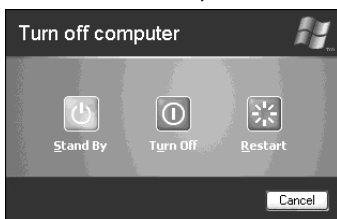


- 1 Press the I/⏻ button to turn off the receiver.**
The display panel goes off and the screen goes blank.
- 2 Press the TV I/⏻ button to turn off the television.**

Note

You cannot use the remote supplied with the receiver to control a television not made by Sony.

- 3 On the Start menu, click Turn Off Computer.**



- 4 Click Turn Off to turn off the VAIO computer.**

Choose the function that you want to use. For each function, you must have performed the necessary operations described in “Preparations needed to use Network Media” (page 34).

- Watching video (page 57).
- Listening to music (page 63).
- Viewing photographs (still images) saved on the VAIO computer (page 66).
- Watching a television broadcast received by the VAIO computer (page 70).
- Recording a television broadcast received by the VAIO computer (page 73).
- Useful Network Media settings (pages 49–56).
- Changing Network Media settings (page 77).

If you have a problem...

See “Troubleshooting” (page 88).

— Basic operations

This section describes basic operations possible with the receiver.

Selecting a component

- 1 Press **INPUT SELECTOR** repeatedly to select the input.

The selected input appears on the display.

To select the	Display
DVD player	DVD
VCR	VIDEO
Hard disk or MD deck	HDD/MD
Satellite tuner	TV/SAT
Network Media	N.MEDIA
Built-in tuner (FM)	Tuner (FM)
Built-in tuner (AM)	Tuner (AM)

Note

For details about how to use Network Media with the receiver, see chapter 3.

- 2 Turn on the selected component and start playback.
- 3 Rotate **VOLUME** to adjust the volume.

To mute the sound

Press **MUTING** to mute the sound. **MUTING** appears on the display when the sound is muted. To cancel muting, press it again, raise the volume or turn off the receiver.

Using headphones

Connect your headphone to the **PHONES** jack of the receiver. When you connect headphones the output to speakers is automatically interrupted.

Receiving radio broadcasts

Before receiving radio broadcasts, make sure that you connected the FM and AM antennae to the receiver (page 15).

Use the remote for the tuner operation.

Automatic tuning

If you do not know the frequency of the station that you want, you can let the receiver scan all the available stations in your area.

- 1 Press the **FM** or **AM** button repeatedly to select the **FM** or **AM** band.

You can also use **INPUT SELECTOR** on the system. The last station received is tuned in.

- 2 Press the **TUNING MODE** button repeatedly to select **AUTO T.**

- 3 Press the **TUNING +** or **TUNING -** button.

Press the **TUNING +** button to scan from low to high; press the **TUNING -** button to scan from high to low.

The receiver stops scanning whenever a station is received.

When the receiver reaches either end of the band

Scanning is repeated in the same direction.

- 4 To continue scanning, press the **TUNING +** or **TUNING -** button again.

Manual tuning

You can tune in stations in 50 kHz steps for the FM band and 9 kHz steps for the AM band.

1 Press the FM or AM button repeatedly to select the FM or AM band.

You can also use **INPUT SELECTOR** on the system. The last station received is tuned in.

2 Press the TUNING MODE button repeatedly to select MANUAL T.

3 Press the TUNING + or TUNING – button repeatedly to tune in the station that you want.

Press the **TUNING +** button to change the frequency from low to high.

Press the **TUNING –** button to change the frequency from high to low.

Tip

If **STEREO** flashes on the display and the FM stereo reception is poor, press the **FM MODE** button to improve the sound. You will not be able to enjoy the stereo effect, but the sound will be less distorted.

Note

If **STEREO** does not appear at all when an FM broadcast is received normally, press the **FM MODE** button to display the **STEREO** indication.

Preset tuning

After you have tuned in stations using automatic tuning or manual tuning, you can preset them to the receiver. You can then tune in any of the preset stations directly. Up to 30 FM or AM stations can be preset. The receiver also scans all the stations that you have preset.

Before tuning in preset stations, be sure to preset them by performing “Presetting radio stations”.

Presetting radio stations

1 Press the FM or AM button repeatedly to select the FM or AM band.

You can also use **INPUT SELECTOR** on the system. The last station received is tuned in.

2 Tune in the station that you want to preset using automatic tuning or manual tuning (page 37).

3 Press the MEMORY button.

MEMORY appears on the display for a few seconds.

Perform steps 4 to 5 before **MEMORY** disappears.

4 Press the SHIFT button to select the memory page and press the PRESET CH/ALBUM + or PRESET CH/ALBUM – button to select a preset number.

If **MEMORY** disappears before you press the preset number, return to step 3.

5 Press the MEMORY button again to store the station.

If **MEMORY** disappears before you can store the station, return to step 3.

6 Repeat steps 2 to 5 to preset another station.

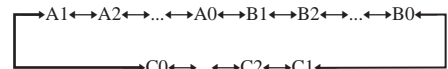
Tuning in preset stations

1 Press the FM or AM button repeatedly to select the FM or AM band.

You can also use **INPUT SELECTOR** on the system. The last station received is tuned in.

2 Press the PRESET CH/ALBUM + or PRESET CH/ALBUM – button repeatedly to select the preset station that you want.

Each time that you press the button, the receiver tunes in one preset station at a time, in the corresponding order and direction as follows:



Tips

- In step 2, press the **SHIFT** button to select a memory page (A, B, or C).
- You can also use the **PRESET TUNING +/-** buttons on the receiver to tune in preset stations.

Using the Radio Data System (RDS)

This receiver also allows you to use the RDS (Radio Data System), which enables radio stations to send additional information along with the regular signal. You can also display the RDS information.

Receiving RDS broadcasts

Simply select a station on the FM band using automatic tuning, manual tuning (page 37), or preset tuning (page 38).

When you tune in a station that provides RDS services, the **RDS** indicator appears and the programme station name appears on the display.

Note

RDS may not work properly if the station you tuned in is not transmitting the RDS signal properly or if the signal strength is weak.

Displaying RDS information

While receiving an RDS station, press the black DISPLAY button.

Each time that you press the button, the RDS information on the display changes cyclically as follows:

Programme Station name → Frequency → Programme Type indication¹ → Radio Text indication² → Current Time indication (24-hour time) → Sound field currently applied → Volume

¹ Type of programme being broadcast (see page 39).

² Text messages sent by the RDS station.

Notes

- If there is an emergency announcement by governmental authorities, **ALARM** flashes on the display.
- When the message consists of nine characters or more, the message scrolls across the display.
- If a station does not provide a particular RDS service, **NO XXXX** (such as **NO TEXT**) appears on the display.

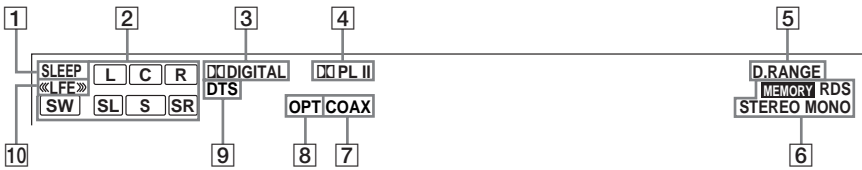
Description of programme types

Programme type indication	Description
NEWS	News programmes
AFFAIRS	Topical programmes that expand on current events
INFO	Programmes offering information on a wide variety of subjects, including consumer affairs and medical advice
SPORT	Sports programmes
EDUCATE	Educational programmes, such as "how-to" and advice programmes
DRAMA	Radio plays and serials
CULTURE	Programmes about national or regional culture, such as language and social concerns
SCIENCE	Programmes about natural science and technology
VARIED	Other types of programmes such as celebrity interviews, game shows, and comedy
POP M	Popular music programmes
ROCK M	Rock music programmes
EASY M	Easy listening
LIGHT M	Instrumental, vocal, and chair music
CLASSICS	Major orchestra performances, chamber music, opera, etc.
OTHER M	Music that does not fit into any category above, such as rhythm and blues and reggae
WEATHER	Weather information
FINANCE	Stock market reports and trading, etc.
CHILDREN	Children programmes
SOCIAL	Programmes about people and the things that affect them
RELIGION	Programmes of religious content
PHONE IN	Programmes where members of the public express their views by phone or in public forums
TRAVEL	Programmes about travel. Not for announcements that are located by TP/TA.
LEISURE	Programmes on recreational activities such as gardening, fishing, cooking, etc.

continued

Programme type indication	Description
JAZZ	Jazz programmes
COUNTRY	Country music programmes
NATION M	Programmes featuring local popular music
OLDIES	Programmes featuring oldies
FOLK M	Folk music programmes
DOCUMENT	Investigative features
NONE	Any programmes not defined above

About the indications on the display



- 1 SLEEP:** Appears when sleep timer is activated.
- 2 Playback channel indicators:** The letters (L, C, R, etc.) indicate the playback channels. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speakers settings).
L (Front Left), **R** (Front Right), **C** (Centre (monaural)), **SL** (Surround Left), **SR** (Surround Right), **S** (Surround (monaural) or the surround components obtained by Pro Logic processing), **SW** (subwoofer)
 Example:
 Recording format (Front /Surround): 3/2
 Output channel: Surround speakers absent
 Sound Field: **A.F.D. AUTO**
 L C R
 SW SL SR
- 3 DIGITAL:** Appears when the receiver is decoding signals recorded in the Dolby Digital format.
- 4 PL II:** **PL** appears when a 2-channel signal is applied with **DOLBY PL** or **C.STEX A-C**. **PL II** appears when Dolby Pro Logic II processing (**PLII MOV** or **PLII MUS**) is applied. However, this indicator does appear if the centre and surround speakers are set to **NO**, and **A.F.D. AUTO**, **DOLBY PL**, **PLII MOV**, or **PLII MUS** are selected.
- 5 D.RANGE:** Appears when dynamic range compression is activated (page 45).
- 6 Tuner indicators:** Appears when using the receiver to tune in radio stations, etc. See pages 37–39 for tuner operations.
- 7 COAX:** Appears when the source signal is a digital signal input through the COAX terminal.
- 8 OPT:** Appears when the source signal is a digital signal input through the OPT terminal.
- 9 DTS:** Appears when DTS signals are input.
- 10 «LFE»:** Appears when the disc being played back contains the LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.

— Enjoying surround sound

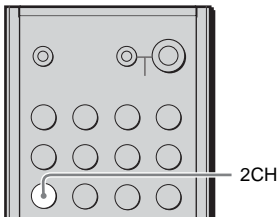
This section describes how to obtain the best possible sound quality from your system.

Using only the front speakers

In this mode, the receiver outputs the sound from the front left and right speakers only. There is no sound from the subwoofer.

Listening to 2-channel stereo sources (2CH STEREO)

Standard 2-channel stereo sources completely bypass the sound field processing and multi-channel surround formats are downmixed to 2 channels.



Press the 2CH button on the remote.

2CH ST. appears on the display and the receiver switches to the 2CH STEREO mode.

Notes

- You can also use the **SOUND FIELD** button to perform this operation.
- No sound is output from the subwoofer in the 2CH STEREO mode. To listen to the 2-channel stereo sources using the front left and right speakers, and a subwoofer, set to **A.F.D. AUTO**.

Enjoying higher fidelity sound

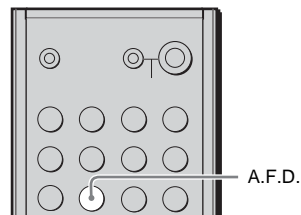
— AUTO FORMAT DIRECT

The Auto Format Direct (A.F.D.) mode allows you to select the decoding mode that you want for your audio sound.

A.F.D. mode (display)	Decoding mode
A.F.D. AUTO (A.F.D. AUTO)	As encoded
PRO LOGIC (DOLBY PL)	Dolby Pro Logic
PRO LOGIC II MOVIE (PLII MOV)	Dolby Pro Logic II
PRO LOGIC II MUSIC (PLII MUS)	

Decoding the input audio signal automatically

In this mode, the receiver automatically detects the type of audio signal being input (Dolby Digital, DTS, standard 2-channel stereo, etc.) and performs the proper decoding if necessary. This mode presents the sound as it was recorded/encoded, without adding any surround effects. However, if there are no low frequency signals (Dolby Digital LFE, etc.) it will generate a low frequency signal for output to the subwoofer.



Press the A.F.D. button repeatedly to select A.F.D. AUTO.

The receiver automatically detects the type of audio signal input and performs the proper decoding if necessary.

Tip

You can also use the **SOUND FIELD** button to perform this operation.

Enjoying stereo sound in multi-channel (2-channel decoding mode)

This mode lets you specify the type of decoding for 2-channel audio sources. This receiver can reproduce 2-channel sound on 5 channels through Dolby Pro Logic **II** or 4 channels through Dolby Pro Logic.

Press A.F.D. repeatedly to select the 2-channel decoding mode.

Tip

You can also use the **SOUND FIELD** button to perform this operation.

■ PRO LOGIC

Performs Dolby Pro Logic decoding. The source recorded on 2 channels is decoded into 4.1 channels.

■ PRO LOGIC II MOVIE

Performs Dolby Pro Logic II Movie mode decoding. This setting is ideal for movies encoded in Dolby Surround. In addition, this mode can reproduce sound in 5.1-channel when watching video of dubbed or old movies.

■ PRO LOGIC II MUSIC

Performs the Dolby Pro Logic II Music mode decoding. This setting is ideal for normal stereo sources such as CDs.

Note

Dolby Pro Logic and Dolby Pro Logic **II** decoding do not function for DTS format signals.

If you connect a subwoofer

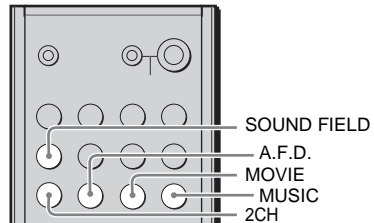
When the audio signal is 2-channel stereo or if the source signal does not include on LFE signal, the receiver generates a low frequency signal for output to the subwoofer.

Selecting a sound field

You can take advantage of surround sound simply by selecting one of the receiver's pre-programmed sound fields. They bring the exciting and powerful sound of cinemas and concert halls into your home.

Selecting a sound field for movies

Press the MOVIE button repeatedly to select the sound field you that want.



The selected sound field appears in the display.

Sound field	Display
CINEMA STUDIO EX A DCS	C.ST.EX A
CINEMA STUDIO EX B DCS	C.ST.EX B
CINEMA STUDIO EX C DCS	C.ST.EX C

Tip

You can also use the **SOUND FIELD** button to select a sound field.

About DCS (Digital Cinema Sound)

Sound fields with **DCS** marks use DCS technology.

DCS is the name of the surround technology for home theatres developed by Sony. DCS uses the DSP (Digital Signal Processor) technology to reproduce the sound characteristics of an actual cinema studio.

When played at home, DCS creates a powerful theatrical effect that mimics the artistic combination of sound and action as envisioned by the movie director.

continued

■ C.ST.EX A (CINEMA STUDIO EX A) **DCS**

Reproduces the sound characteristics of the Sony Pictures Entertainment "Cary Grant Theatre" cinema production studio. This is a standard mode, great for watching most types of movies.

■ C.ST.EX B (CINEMA STUDIO EX B) **DCS**

Reproduces the sound characteristics of the Sony Pictures Entertainment "Kim Novak Theatre" cinema production studio. This mode is ideal for watching science-fiction or action movies with a lot of sound effects.

■ C.ST.EX C (CINEMA STUDIO EX C) **DCS**

Reproduces the sound characteristics of the Sony Pictures Entertainment scoring stage. This mode is ideal for watching musicals or movies where orchestra music is featured in the soundtrack.

About CINEMA STUDIO EX modes

CINEMA STUDIO EX modes are suitable for watching movies on DVDs for example, that feature multi-channel surround effects. You can reproduce the sound characteristics of Sony Pictures Entertainment's dubbing studio in your home.

CINEMA STUDIO EX modes consist of the following three elements.

- **Virtual Multi Dimension**
Creates five sets of virtual speakers from a single pair of surround speakers.
- **Screen Depth Matching**
Creates the sensation that the sound is coming from inside the screen like in cinemas.
- **Cinema Studio Reverberation**
Reproduces the type of reverberation found in cinemas.

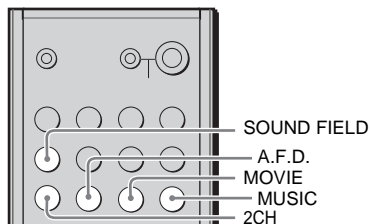
CINEMA STUDIO EX modes integrate these three elements simultaneously.

Notes

- The effects provided by the virtual speakers may cause increased noise in the playback signal.
- When listening with sound fields that employ the virtual speakers, you will not be able to hear any sound coming directly from the surround speakers.

Selecting a sound field for music

Press the MUSIC button repeatedly to select the sound field that you want.



The selected sound field appears in the display.

Sound field	Display
HALL	HALL
JAZZ CLUB	JAZZ
LIVE CONCERT	CONCERT

Tip

You can also use the **SOUND FIELD** button to select a sound field.

■ HALL

Reproduces the acoustics of a classical concert hall.

■ JAZZ (JAZZ CLUB)

Reproduces the acoustics of a jazz club.

■ CONCERT (LIVE CONCERT)


Reproduces the acoustics of a 300-seat amphitheatre.

To turn off the surround effect


Press the **2CH** or **A.F.D.** button.

Tips

- The receiver memorises the last sound field selected for each programme source (Sound Field Link). Whenever you select a programme source, the sound field that was last applied is automatically applied again. For example, if you watch a DVD with **HALL** as the sound field, change to a different programme source, then return to the DVD, **HALL** will be applied again.
- You can identify the encoding format of DVD software, for example, by looking at the logo on the package.

–  : Dolby Digital discs

–  : Dolby Surround encoded programs

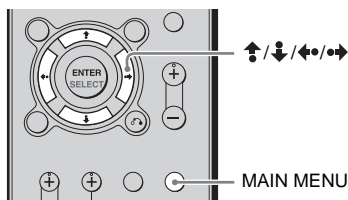
–  : DTS Digital Surround encoded programmes

Customising sound fields

By adjusting the **LEVEL** menu and **STONE** menu, you can customise the sound fields to suit your particular listening situation.

Note on the displayed parameters

Adjustable parameters vary depending on the selected sound field. If a parameter appears dimmed, it may not be available to the selected sound field or it may be impossible to change it.



Adjusting the LEVEL menu

You can adjust the balance and level of each speaker. These settings are applied to all sound fields.

- 1 Start playing a source encoded with multi-channel surround effects (DVD, etc.).**
- 2 Press the black MAIN MENU button repeatedly until LEVEL appears on the display.**
- 3 Press \uparrow/\downarrow to select the parameter.**
For details, see “LEVEL menu parameters”, below.
- 4 While monitoring the sound, press \leftarrow/\rightarrow to adjust the selected parameter.**
You can select any parameter except **EFCT**. The **EFCT** parameter setting is stored independently for each sound field.
- 5 Repeat steps 3 and 4 to adjust the other parameters.**

LEVEL menu parameters

■ \leftarrow/\rightarrow BAL. XXX (Front speaker balance)
Initial setting: **BALANCE**

Lets you adjust the balance between the front left and right speakers. You can adjust in the range of **L** (+1 to +8), **BALANCE** (0), **R** (+1 to +8) in 17 steps.

■ **CTR XXX dB**
(Centre speaker level)

■ **SUR.L. XXX dB**
(Surround speaker (L) level)

■ **SUR.R. XXX dB**
(Surround speaker (R) level)

■ **S.W. XXX dB**
(Subwoofer level)

Initial setting: 0 dB

You can adjust this parameter from -10 dB to +10 dB in 1 dB steps.

■ **D.RANGE COMP.**
(Dynamic range compressor)

Lets you compress the dynamic range of the soundtrack. This may be useful when you want to watch movies at low volumes.

• **OFF**

The dynamic range is not compressed.

• **STD**

The dynamic range is compressed as intended by the recording engineer.

• **MAX**

The dynamic range is compressed dramatically.

Tip

The dynamic range compressor lets you compress the dynamic range of the soundtrack based on the dynamic range information included in the Dolby Digital signal. **STD** is the initial setting, but it only enacts light compression.

Therefore, we recommend using the **MAX** setting. This greatly compresses the dynamic range and lets you watch movies late at night at low volumes. Unlike analogue limiters, the levels are predetermined and provide a very natural compression.

Note

Dynamic range compression is possible with Dolby Digital sources only.

■ **EFCT. XXX** (Effect level)

Lets you adjust the size of the current surround effect. This parameter is displayed only when **C.STEX A**, **C.STEX B**, **C.STEX C**, **CONCERT**, **JAZZ**, or **HALL** is selected.

• **MIN**

The surround effect decreases.

• **STD**





Normal surround effect is applied.

• **MAX**

The surround effect increases.

Adjusting the TONE menu

You can adjust the tonal quality (bass, treble level) of each speaker using the **TONE** menu.

- 1 Start playing a source encoded with multi-channel surround effects (DVD, etc.).**
- 2 Press the black MAIN MENU button repeatedly until TONE appears on the display.**
- 3 Press  /  to select the parameter.**
For details, see “TONE menu parameters”, below.
- 4 While monitoring the sound, press  /  to adjust the selected parameter.**
- 5 Repeat steps 3 and 4 to adjust the other items.**

TONE menu parameters



■ BASS XXX dB
(Front speaker bass level)

■ TREB. XXX dB
(Front speaker treble level)

Initial setting: 0 dB

You can adjust these parameters from -6 dB to +6 dB in 1 dB steps.

Resetting the sound field parameters to their default settings

- 1 Press the I/ button on the receiver to turn it off.**
- 2 Pressing the SOUND FIELD button of the receiver, press the I/ button to turn it on.**
S.F CLR appears on the display and all the sound field parameters are reset to their default settings.

— *Miscellaneous operations and settings*

This section describes other operations and settings possible with the receiver.

Changing the audio input mode of digital components

— **INPUT MODE**

You can change the audio input mode of components for which this receiver has digital audio input jacks.

- 1** Press **INPUT SELECTOR** to select the input.
- 2** Press the **INPUT MODE** button repeatedly to select the audio input mode.

The selected audio input mode appears on the display.

Audio input modes

- **AUTO IN**
Gives priority to the digital audio signal and specifies analogue audio signal input to the AUDIO IN (L/R) jacks when there is no digital audio signal.
- **OPT IN**
Specifies the digital audio signal input to the DIGITAL OPTICAL input jacks.
- **COAX IN**
Specifies the digital audio signal input to the DIGITAL COAXIAL input jack.
- **ANALOG**
Specifies the analogue audio signal input to the AUDIO IN (L/R) jacks.

Selecting the digital audio input decoding priority

Lets you specify the input mode for the digital signal input to the digital input jacks.

- 1** Press the black **MAIN MENU** button repeatedly until **SET UP** appears on the display.
- 2** Press **↑/↓** to select to select **DEC. XXXX**.
- 3** Press **←/→** to select the setting that you want.

Digital audio input decoding priority

- **AUTO**
Automatically changes the input mode between DTS, Dolby Digital, or PCM.
- **PCM**
PCM signals are given priority (to prevent interruptions when playback starts). Even when other signals are input, the sound is output. When set to **AUTO** and the sound from the digital audio jacks (for CD, etc.) is interrupted when playback starts, set to **PCM**.

Recording audio

Make sure that all your components are correctly connected before recording audio.

Recording audio on MD, tape, or hard disk

You can use the receiver to record audio on mini disks (MD), tapes, or to your hard disk with the appropriate software. For details about how to perform this procedure, refer to the documentation of your MD player, tape player, or audio recorder.

- 1 Press INPUT SELECTOR to select a connected component (programme source).**
- 2 Prepare the selected component for recording.**





For example, insert a VCD into your VCD player.
- 3 Insert an MD or tape into the audio recording device, and adjust the recording level.**
- 4 Start recording on the audio recording device, and then start playback.**

Notes

- Audio adjustment does not affect the signal output from the HDD/MD OUT jack of the receiver.
- You cannot record signals using copy-protection technology.
- You cannot output audio input to a digital input jack to an analogue output jack. Connect to an analogue input jack.
- You cannot record audio played back with Network Media.

Using the Sleep Timer

You can set the receiver to turn off automatically at a specific time by using the remote.

- 1 Press the black MAIN MENU button repeatedly until SET UP appears on the display.**
- 2 Press / to select OFF.**
- 3 Press / to select the time.**

The display changes cyclically as follows:

OFF (sleep mode disabled) → 2:00:00
(shutdown in two hours) → 1:30:00
(shutdown in one and a half hour) →
1:00:00 (shutdown in one hour) → 0:30:00
(shutdown in half an hour)

When using the Sleep Timer, **SLEEP** appears on the display.

Tip

To check the remaining time before the receiver turns off, perform steps 1 and 2 above. The remaining time appears on the display.

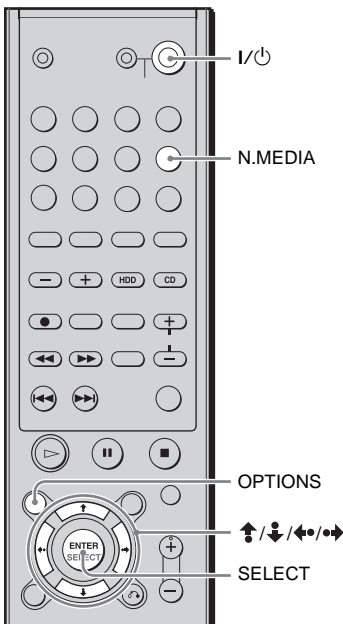
Optimising Network Media

With the following settings, you can configure the VAIO computer to start automatically when you start Network Media (page 53) or select the VAIO computer to be connected to each function that you use (page 49).

Useful setting 1: Setting the VAIO computer normally connected

You can pre-select the VAIO computer to be connected to each function of Network Media (television, video, music, photographs). Doing so prevents you from having to make the selection each time you use Network Media. In this manual, the VAIO computer connected automatically to each function is referred to as the “VAIO computer normally connected”. Even if there is only one VAIO computer to which the receiver can be connected, you can still select the VAIO computer normally connected.

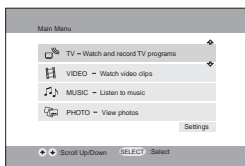
The following description uses the video function as an example. First turn on the television and select the input connected to the receiver. Start the VAIO computer that you want to set as the VAIO computer normally connected.



- 1** On the remote, press the I/Power button to turn on the receiver.

2 Press the N.MEDIA button to switch the receiver input to N.MEDIA.

The main menu appears.



Tip

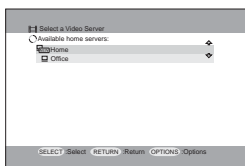
You can also select N.MEDIA by pressing **INPUT SELECTOR** on the receiver.




3 Use / to select VIDEO-Watch video clips, and then press the SELECT button.

The **Select a Server** screen appears. It contains the list of VAIO computers to which you can connect.

Note

The **Select a Server** screen name varies according to the function used (e.g. **Select a Video Server**, etc.). For simplicity, we used **Select a Server** throughout the document.



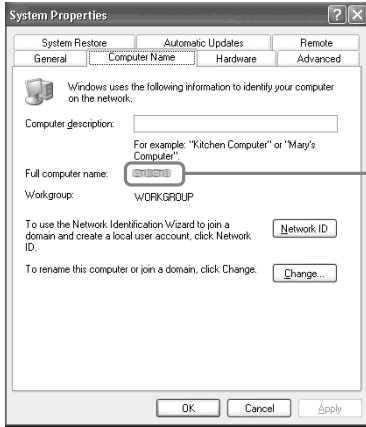
Icon	Meaning	Status of VAIO computer
	VAIO computer that was already connected to the receiver with Network Media.	Can be connected.
	VAIO computer to be connected for the first time.	Can be connected.
	VAIO computer that was already connected to the receiver with Network Media.	Status unknown ¹⁾ .

¹⁾ Even in the status of the VAIO computer is unknown, if you press the **SELECT** button, select **Connect**, and then press the **SELECT** button again, you may be able to connect to the computer. Any of the following are possible if the connection is still not established after waiting a while.

- The VAIO computer is on standby or hibernating.
→Start the VAIO computer. If you follow the instructions described in “Useful setting 3: Setting the VAIO computer to start automatically” (page 53), when you connect to the VAIO computer it automatically starts from standby or hibernation.
- The VAIO computer is off.
→Start the VAIO computer.
- The network connection cannot be established.
→Make sure that the network connectors are correctly connected. If you are using a hub or a router equipped with a hub, make sure that it is on.

Tips

- If the VAIO computer does not appear in the **Select a Server** screen, press the **OPTIONS** button and on the **OPTIONS** menu, select **Refresh**, and then press the **SELECT** button. Note that it may take some time until the VAIO computer appears.
- To change the VAIO computer name, on the **Start** menu, click **Control Panel, Performance and Maintenance**, and then **System**. On the **Computer Name** tab of the **System Properties** dialog box, click **Change**, type a new name, and then click **OK**. Note that you need to restart the VAIO computer for the change in name to become effective.




The computer name appears here.

4 Use to select the VAIO computer that you want to set as the VAIO computer normally connected, and then press the **SELECT** button.

A submenu appears.

5 Use to select **Connect Automatically**, and then press the **SELECT** button.

The selected VAIO computer becomes the VAIO computer normally connected so that on subsequent occasions a connection is automatically established to this VAIO computer. The VAIO computer normally connected appears with a  next to it.

Notes

- The VAIO computer normally connected setting is lost if you unplug the power cord or update the receiver software (page 78). In which case you must perform the procedure above again.
- You must set the VAIO computer normally connected separately for each function (television, video, music, photographs) that you use.

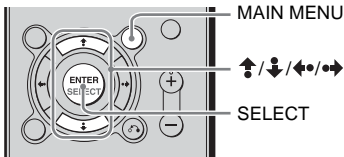
Tip

To cancel the VAIO computer normally connected setting, in the **Select a Server** screen select the VAIO computer that you want to cancel, and then press the **SELECT** button. Select **Delete from list**, and then in select **OK** in the confirmation message that appears. To display the VAIO computer for which you have cancelled the setting again, in the **Select a Server** screen, press the **OPTIONS** button, select **Refresh**, and then press the **SELECT** button.

Useful setting 2: Selecting the first screen to appear when you switch to Network Media (startup menu)

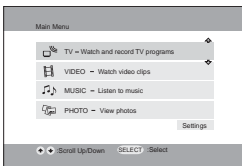
When you switch the receiver input to Network Media, you can select the first screen that appears. You can choose to display the main menu each time you switch or always display a particular function screen (e.g. the video cabinet screen in the video function).

By default, the startup menu of the function used most recently appears. (If you did not previously set the VAIO computer normally connected as described in Useful setting 1, then the **Select a Server** screen appears.)



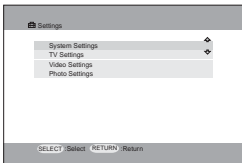
1 Press the blue MAIN MENU button.

The main menu appears.



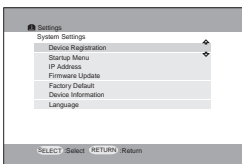
2 Use to select Settings, and then press the SELECT button.

The Settings screen appears.

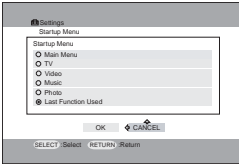


3 Use to select System Settings, and then press the SELECT button.

The System Settings screen appears.



- 4 Use **↑/↓** to select Startup Menu and then press the **SELECT** button.
The **Startup Menu** screen appears.



- 5 Use **↑/↓** to select the item that you want to set as the startup menu, and press the **SELECT** button.

- **Main Menu**
 - **TV** (television programme screen)
 - **Video** (Video Capsule screen)
 - **Music** (Music screen)
 - **Photo** (Photo screen)
 - **Last Function Used**¹⁾ (menu screen of function used most recently)
- ¹⁾ **Last Function Used** is set by default.

- 6 Use **↑/↓/←/→** to select **OK**, and then press the **SELECT** button.

Note

If you disconnect the power cord, all the settings except the IP address are lost. When you reconnect the power cord, you must make the settings again.

Useful setting 3: Setting the VAIO computer to start automatically

You can configure the VAIO computer so that it starts automatically when you establish a connection from the receiver with Network Media. (The VAIO computer does not start when you turn on the receiver. It starts when you attempt to establish a connection with Network Media.) This is convenient if the VAIO computer is remote from the receiver.

To use this function, the VAIO computer must be on standby or hibernating. To verify VAIO computer settings, see page 56.

Notes

- Depending on the settings and configuration of the connected VAIO computer, you may not be able to use this function. You may also not be able to use this function with a notebook VAIO computer or a VAIO computer connected through a wireless LAN.
- You can use this function to start the VAIO computer automatically when it is on standby or hibernating. When the receiver is off, the VAIO computer goes on standby or hibernates as determined by the power options the VAIO computer. Depending on these settings, it may take a considerable time before the VAIO computer goes on standby or hibernates.

continued

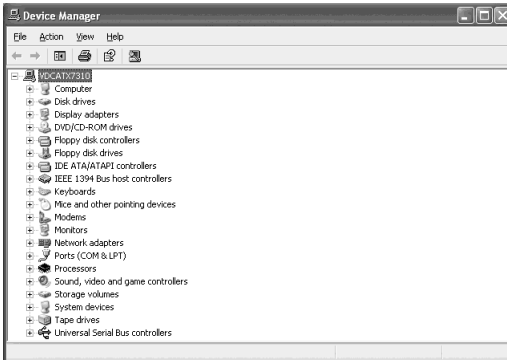
- 1 On the Start menu, click Control Panel, Performance and Maintenance, and then System.

The System Properties dialog box appears.



- 2 On the Hardware tab, click Device Manager.

The Device Manager window appears.



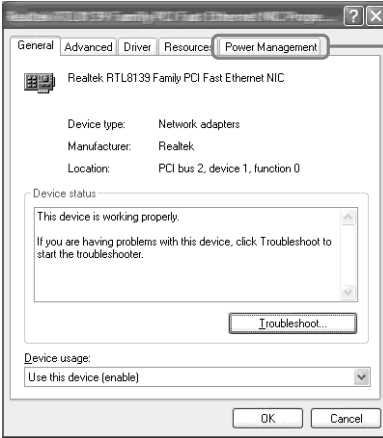
- 3 Double-click Network adapters.

The display changes as illustrated below.



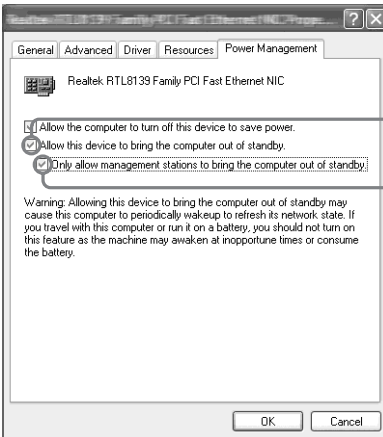
4 Double-click the network device connected to the receiver.

The properties dialog box of the device appears.



The network device connected to the receiver has a **Power Management** tab. If there is more than one network device, select the network device with the **Power Management** tab.

5 On the Power Management tab, select the Allow this device to bring the computer out of standby check box, and then select the Only allow management stations to bring the computer out of standby check box.



① Select this check box.

② Select this check box.

6 Click OK.

7 Close the Device Manager window and click OK in the System Properties dialog box.

Verifying or setting the time for the VAIO computer to go on standby. With the following procedure, you can verify or set the time when the VAIO computer goes on standby. If you set the VAIO computer to automatically go on standby when the receiver is turned off, you do not need perform any operations on the VAIO computer, which may be in a remote location. If you do not do so, it is then necessary to perform operations on the connected VAIO computer, to put it on standby or turn it off.

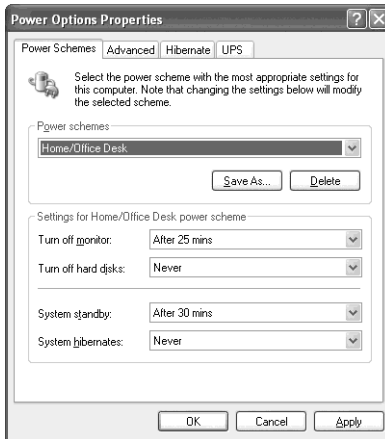
By default, the VAIO computer automatically goes on standby when it is idle for a few minutes.

1 On the Start menu, click Control Panel, Performance and Maintenance, and then Power Options.

The **Power Options Properties** dialog box appears.

2 On the Power Schemes tab, select the times for System standby and/or System hibernates.

Set these times to at least three minutes. If you set them to **None**, the computer does not go on standby or hibernate.



Tip

With the settings in the screen above, the VAIO computer automatically goes on standby 20 minutes after the receiver is turned off.

3 Click OK.

— Watching video saved on the VAIO computer

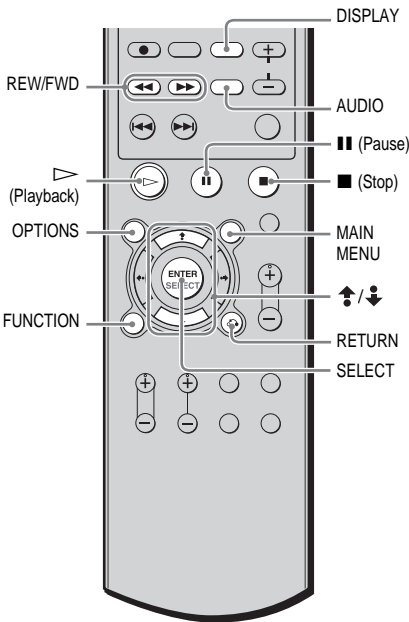
This section describes how to watch video stored on your VAIO computer and make various video-related settings.

Watching video

You can watch video capsules recorded and saved on the VAIO computer with Giga Pocket or video capsule saved on the VAIO computer with Network Media on a television connected to the receiver. To be able to do so, you must first perform “Step 5: Preparations needed to use Network Media” (page 34).

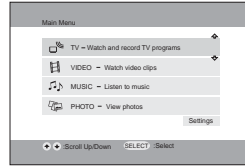
Note

You can only watch video capsules recorded and saved on the VAIO computer with Giga Pocket or video capsules saved on the VAIO computer with Network Media. You cannot watch other movie files with Network Media. Video cabinet and video capsule names shown are those created with Giga Pocket. For details about Giga Pocket, refer to the documentation supplied with the VAIO computer or Giga Pocket Help.



1 Press the blue MAIN MENU button.

The main menu appears.



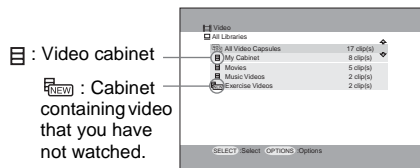
While using a different Network Media function, you can also press the function selection button to select the video function.

Tip

When no VAIO computer normally connected is set, the **Select a Server** screen appears. Use \uparrow / \downarrow to select the VAIO computer to be connected, then press the **SELECT** button. On the submenu select **Connect**, and then press the **SELECT** button. If there are no VAIO computers in the **Select a Server** screen, press the **OPTIONS** button, and on the **OPTIONS** menu select **Refresh**, and then press the **SELECT** button. Note that it may take some time until the VAIO computers appear.

2 Use \uparrow / \downarrow to select VIDEO-Watch video clips, and then press the SELECT button.

A video cabinet list appears.



Note

Some special characters cannot be displayed on the screen.

When the Select a Server screen appears

If no VAIO computer normally connected is set, the **Select a Server** screen appears. Use / to select the VAIO computer to be connected, press the **SELECT** button, and then select **Connect**.

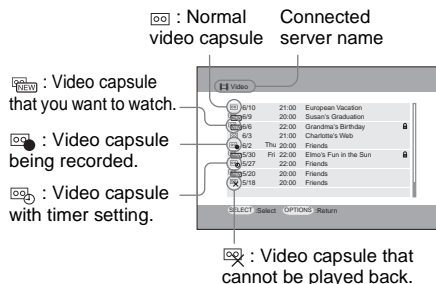
To set the VAIO computer connected normally, see page 49.

To watch video saved on a different VAIO computer

When there is more than one VAIO computer connected to the receiver, you can select the VAIO computer to which you want to connect. To do so, press the **OPTIONS** button. On the **OPTIONS** menu, select **Select a Server**, and then press the **SELECT** button. In the **Select a Server** screen, select the VAIO computer to be connected, select **Connect**, and then press the **SELECT** button.

3 Use / to select the video cabinet containing the video (video capsules) that you want to watch, and then press the **SELECT** button.

The video cabinet opens and the video capsule list appears.



With Network Media, you can only play back video capsules with the , , or .

4 Use / to select the video (video capsule) that you want to watch, and then press the (**Playback**) button.

Video playback starts.

To watch video in fast reverse or fast forward

Press the **REW** or **FWD** button.

Press the **FWD** button once for smooth fast forward playback or press twice successively for fast forward playback.

To stop video playback

Press the (**Stop**) button. This returns to the **Video Capsules** screen.

To pause video playback

Press the (**Pause**) button. Press the (**Playback**) button to resume playback.

To switch the soundtrack on a bilingual broadcast

Press the **AUDIO** button. This cycles through the audio modes sequentially.

Main (stereo) → SAP (stereo L) → Main/SAP (stereo R) → ...

To display and exit the screen display

Press the blue **DISPLAY** button. Each time you press the blue **DISPLAY** button, the screen display appears or disappears.

To return to the previous menu screen

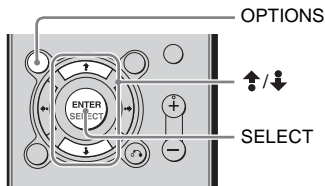
Press the **RETURN** button.

Notes

- To fast forward while playing a video capsule, press and release the **FWD** button on the remote once to fast forward at approximately 1.5 to 2 times normal playback speed. If you press the **FWD** button again, the video fast forwards in approximately 30-second intervals. Press the (**Playback**) button to resume normal playback. When you fast forward video capsules recorded at high quality, the remote response may sometimes be somewhat slow.
- When you use Network Media to play back video capsules being recorded by Giga Pocket, the time search function is not available.

Sorting the video capsule list

You can sort the video capsules screen in ascending or descending order of names or recording date.



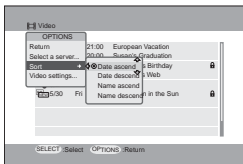
- 1 In the video capsules screen, press the **OPTIONS** button.

The **OPTIONS** menu appears.



- 2 Use **↑/↓** to select **Sort**, and then press the **SELECT** button.

A submenu appears.

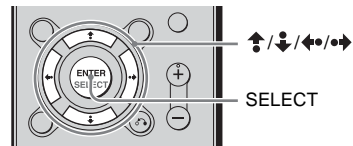


- 3 Use **↑/↓** to select the sorting order of the display, and then press the **SELECT** button.

The order of the items on the screen changes.

Deleting video capsules

You can delete video capsules saved on the VAIO computer.



- 1 In the video capsules screen, select a video capsule that you want to delete, and then press the **SELECT** button.

A submenu appears.

- 2 Use **↑/↓** to select **Delete**, and then press the **SELECT** button.

A confirmation message appears.

- 3 Use **←/→** to select **OK**, and then press the **SELECT** button.

The selected video capsule is deleted from the VAIO computer.

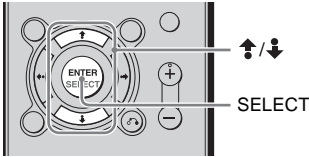
Note

Write-protected video capsules cannot be deleted through Network Media.

Write-protecting video capsules

— Read-only

You can write-protect video capsules so that they cannot be deleted.



- 1** In the video capsules screen, select a video capsule that you want to write-protect, and then press the **SELECT** button.

A submenu appears.

- 2** Use **↑/↓** to select **Read-only**, and then press the **SELECT** button.

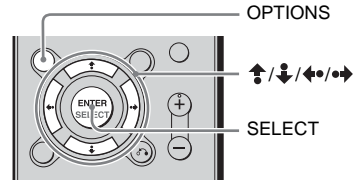
This write-protects the selected video capsule.

To release write-protection

Select the write-protected video capsule and press the **SELECT** button. On the submenu, select **Read-only OFF**, and then press the **SELECT** button.

Changing video settings

When using the video function, you can configure Network Media in such a way that you do not need to confirm whether you are using the same VAIO computer with the television function.



- 1** While the video cabinet list or video capsule list is displayed, press the **OPTIONS** button.
The **OPTIONS** menu appears.
- 2** Use **↑/↓** to select **Video Settings**, and then press the **SELECT** button.
The **Video Settings** screen appears.
- 3** Use **←/→** to select **Yes** or **No**, and then press the **SELECT** button.
- 4** Use **←/→** to select **OK**, and then press the **SELECT** button.
This returns to the list screen.

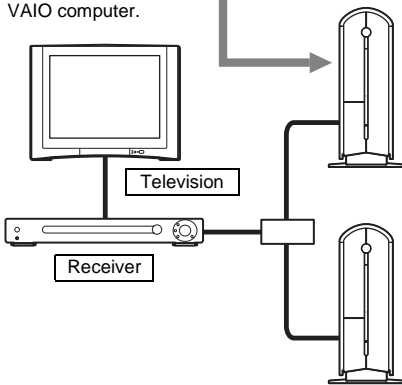
Note

If the VAIO computer normally connected for the television function is different from the VAIO computer normally connected for the video function, television programmes recorded with Network Media

are recorded on the VAIO computer used with the television function.

A programme recorded with Network Media is saved on this VAIO computer.

VAIO computer normally connected for the television function.

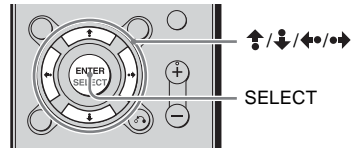


VAIO computer normally connected for the video function.

Searching with index images

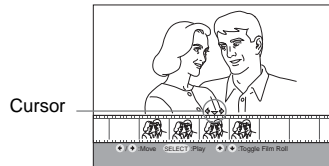
— Film roll feature

You can display index images (in the shape of a film roll), use them to locate the scene that you want to watch.



- 1** During playback or when playback is paused, press **↑/↓**.

The film roll area appears on the screen.



- 2** Use **←/→** to move the cursor (**▽**) to the scene that you want to watch, and then press the **SELECT** button.

Playback starts at the scene that you selected.

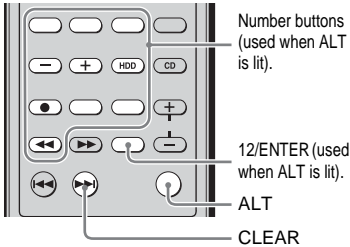
To clear the film roll

Press **↓**.

Searching for a scene by specifying a time

— Time search feature

You can specify the time count of a scene to move it.



- 1 During playback or when playback is paused, press the ALT button so that it lights, and then press the orange ENTER button.**

A dialog box allowing you to specify the time count appears on the display.

- 2 Press the number buttons to enter the time.**

For example, to move to the scene at time count 1 hour 30 minutes, enter ①①③①.

- 3 Press the orange ENTER button.**

Playback starts at the input time count.

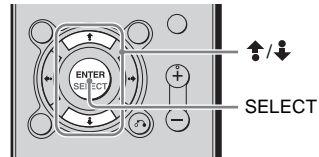
Tip

If you enter the wrong time count by mistake, press the **ALT** button so that it lights, and then press the **CLEAR** button to delete the time count you entered.

Starting playback from the point where you stopped playback

— Resume feature

You can start playback from the point where you last stopped playback.



- 1 On the video capsules screen, select a video capsule that you want to watch, and then press the SELECT button.**

A submenu appears.

- 2 Use ↑/↓ to select Resume, and then press the SELECT button.**

Playback starts from the point where you last stopped.

Tip

The resume feature remembers position where playback stopped for the five video capsules watched most recently. If you watch more than five video capsules, the resume feature information of the least recent video capsule is lost and you can no longer use this feature with that video capsule until you watch it again.

— Listening to music saved on the VAIO computer

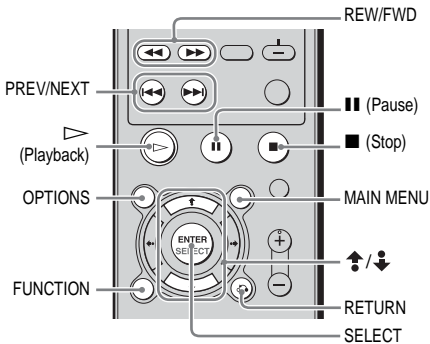
This section describes how to listen to music stored on your VAIO computer.

Listening to music

You can listen to music saved on the VAIO computer with SonicStage or SonicStage Premium, through the speakers connected to the receiver. To be able to do so, you must first perform “Step 5: Preparations needed to use Network Media” (page 34).

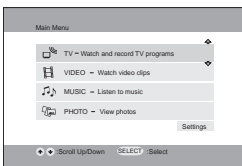
Note

You can only listen to playlists handled by SonicStage or SonicStage Premium (excluding WMA files). You cannot listen to other music files with Network Media. The playlist folder and playlist names shown are those created with SonicStage or SonicStage Premium. For details about SonicStage or SonicStage Premium, refer to the documentation supplied with the VAIO computer or Help.



1 Press the blue MAIN MENU button.

The main menu appears.



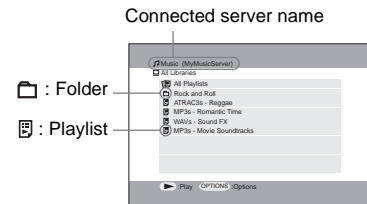
While using a different Network Media function, you can also press the function selection button to select the music function.

Tip

When no VAIO computer normally connected is set, the **Select a Server** screen appears. Use \uparrow/\downarrow to select the VAIO computer to be connected, then press the **SELECT** button. On the submenu select **Connect**, and then press the **SELECT** button. If there are no VAIO computers in the **Select a Server** screen, press the **OPTIONS** button, and on the **OPTIONS** menu select **Refresh**, and then press the **SELECT** button. Note that it may take some time until the VAIO computers appear.

2 Use \uparrow/\downarrow to select MUSIC-Listen to music, and then press the SELECT button.

A folder screen appears.



Tip

To sort folders and playlists, see page 65.

Note

Some special characters cannot be displayed on the screen.

When the Select a Server screen appears

If no VAIO computer normally connected is set, the **Select a Server** screen appears. Use \uparrow/\downarrow to select the VAIO computer to be connected, press the **SELECT** button, and then select **Connect**.

To set the VAIO computer normally connected, see page 49.

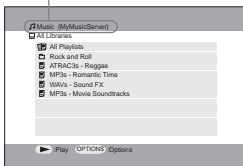
To listen to music saved on a different VAIO computer

When there is more than one VAIO computer connected to the receiver, you can select the VAIO computer to which you want to connect. To do so, press the **OPTIONS** button. On the **OPTIONS** menu, select **Select a Server**, and then press the **SELECT** button. In the **Select a Server** screen, select the VAIO computer to be connected, select **Connect**, and then press the **SELECT** button.

- 3 Use \uparrow/\downarrow to select the playlist that you want to play back, and then press the \triangleright (Playback) button. You can also use \uparrow/\downarrow to select the folder containing the playlist that you want to play back, and then press the **SELECT** button.**

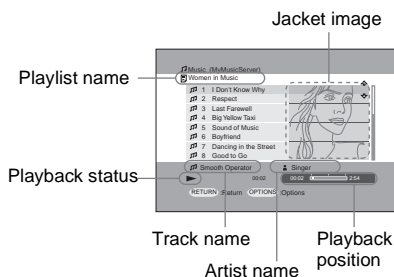
The selected folder opens.

Connected server name.



- 4 If you selected a folder in step 3, use \uparrow/\downarrow to select a playlist, and then press the \triangleright (Playback) button.**

Playback of the first track in the playlist starts.



Tip

If you saved a jacket image on the connected VAIO computer with SonicStage, then it appears on the screen. If there is no such image, a preset image appears instead. For details about how to save a jacket image, refer to the documentation supplied with the VAIO computer or Help.

To restart playback of the current track

Press the **PREV** button once.

To jump to the previous or next track

To jump to the previous track, press the **PREV** button twice successively. To jump to the next track, press the **NEXT** button.

To fast reverse or fast forward

Press the **REW** button or **FWD** button. Press the \triangleright (**Playback**) button to resume normal playback.

To stop playback

Press the \blacksquare (**Stop**) button.

To pause playback

Press the \parallel (**Pause**) button. Press the \triangleright (**Playback**) button to resume playback.

To return to the previous menu screen

Press the **RETURN** button.

To repeat playback

Depending on the selected playback mode (page 65), you can repeat the playback of a single track or of all the tracks in the playlist.

- 1 During playback, or when playback is paused or stopped, press the **OPTIONS** button.**

The **OPTIONS** menu appears.

- 2 Use \uparrow/\downarrow to select Repeat, and then press the **SELECT** button.**

A submenu appears.

- 3 Use \uparrow/\downarrow to select On, and then press the **SELECT** button.**

Playback modes

You can select various playback modes when you listen to music. In addition to normal playback (playing back all tracks), you can select single-track playback, or shuffle playback.

1 During playback or when playback is paused, press the **OPTIONS** button.

The **OPTIONS** menu appears.

2 Use **↑/↓** to select Play mode, and then press the **SELECT** button.

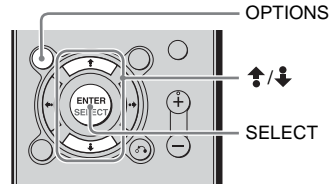
A submenu appears.

3 Use **↑/↓** to select the playback mode, and then press the **SELECT** button.

The **Track** playback mode only plays back the current track.

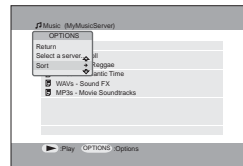
Sorting the folders or playlist

You can sort the folder and playlist screens in ascending or descending order of names.



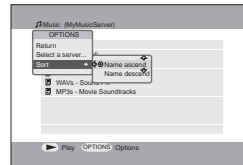
1 In the folder screen or playlist screen, press the **OPTIONS** button.

The **OPTIONS** menu appears.



2 Use **↑/↓** to select **Sort**, and then press the **SELECT** button.

A submenu appears.



3 Use **↑/↓** to select the sorting order of the display, and then press the **SELECT** button.

The order of the items on the screen changes.

— Viewing photographs saved on the VAIO computer

This section describes how to view photographs stored on your VAIO computer and make various photograph-related settings.

Viewing photographs

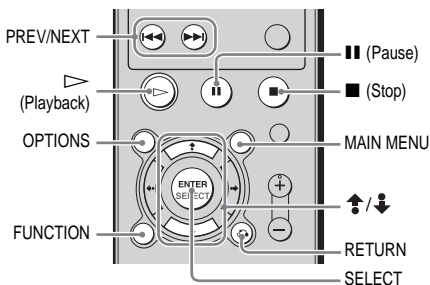
— Slide show

You can view photographs (still images) saved on the VAIO computer on your television. To be able to do so, you must first perform “Step 5: Preparations needed to use Network Media” (page 34).

Note

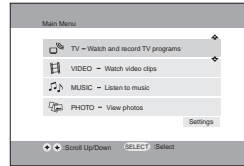
With Network Media you can open the folders and view the photographs (still images) saved on the VAIO computer with PictureGear Studio, and still images saved in a specific folder on the VAIO computer. When PictureGear Studio is installed on the VAIO computer, using the PictureGear Studio Photo Collection feature, you can store still images on the photo server. For details, refer to PictureGear Studio Help.

If PictureGear Studio is not installed on the VAIO computer, save the still images in a folder in the **C:\Documents and Settings\All Users\Photo Server\VAIO Media** folder. To display this folder, on the **Start** menu click **My Computer**. In the **My Computer** window, double-click **Local Disk (C:)**, **Documents and Settings**, **All Users**, **Photo Server**, and then **VAIO Media**. You cannot view still images that are not stored in this folder with Network Media. Note that depending on the version of VAIO Media, this folder may be different. For details, see Photo Server Help.



1 Press the blue MAIN MENU button.

The main menu appears.



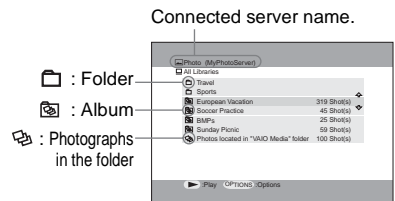
While using a different Network Media function, you can also press the function selection button to select the photograph function.

Tip

When no VAIO computer normally connected is set, the **Select a Server** screen appears. Use **↑/↓** to select the VAIO computer to be connected, then press the **SELECT** button. On the submenu select **Connect**, and then press the **SELECT** button. If there are no VAIO computers in the **Select a Server** screen, press the **OPTIONS** button, and on the **OPTIONS** menu select **Refresh**, and then press the **SELECT** button. Note that it may take some time until the VAIO computers appear.

2 Use **↑/↓** to select PHOTO-View photos, and then press the SELECT button.


The folder screen appears.



Notes

- Only the photographs in this folder are displayed. You cannot view other data in the folder.
- You can use the slide show and list features with albums and photographs.


When the Select a Server screen appears

If no VAIO computer normally connected is set, the **Select a Server** screen appears. Use  to select the VAIO computer to be connected, press the **SELECT** button, and then select **Connect**.

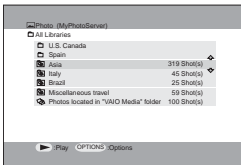
To set the VAIO computer connected normally, see page 49.



To view photographs saved on a different VAIO computer

When there is more than one VAIO computer connected to the receiver, you can select the VAIO computer to which you want to connect. To do so, press the **OPTIONS** button. On the **OPTIONS** menu, select **Select a Server**, and then press the **SELECT** button. In the **Select a Server** screen, select the VAIO computer to be connected, select **Connect**, and then press the **SELECT** button.

3 Use  to select the folder containing the album that you want to view, and then press the **SELECT** button.

The selected folder opens.



4 Use  to select the album or photographs that you want to view, and then press the  (**Playback**) button.

The slide show starts and the photographs appear successively.

To clear the screen display

Press the blue **DISPLAY** button.


To view the previous photograph

Press the **PREV** button.



To view the next photograph

Press the **NEXT** button.

To stop a slide show

Press the  (**Stop**) button.

To pause a slide show

Press the  (**Pause**) button. Press the  (**Playback**) button to resume the slide show.

To return to the Folder screen

Press the **RETURN** button.

Tip

You can change the display interval of the slide show (page 69).

Note


During a slide show, the photographs on display may be temporarily distorted.

Playing background music during a slide show

You can play background music saved on the VAIO computer during a slide show.

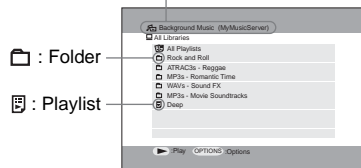
1 During slide show playback, press the **OPTIONS** button.

The **OPTIONS** menu appears.


2 Use  to select Background music on, and then press the **SELECT** button.


The background music list appears.

Connected server name.



Tip

If no VAIO computer normally connected is set, the **Select a Server** screen appears. Use  to select the VAIO computer to be connected, press the **SELECT** button, select **Connect**, and then press the **SELECT** button.

3 Use  to select the playlist that you want to use, and then press the **SELECT** button.

The slide show reappears and the background music is played back.

To change the background music

Repeat steps 1 to 3, above.

continued

To stop the background music

During background music playback, press the **OPTIONS** button. On the **OPTIONS** menu, select **Background music off**, and then press the **SELECT** button.

Tip

The background music does not stop even when the slide show ends. To stop the background music, exit the **Photo** menu or cancel the background music.

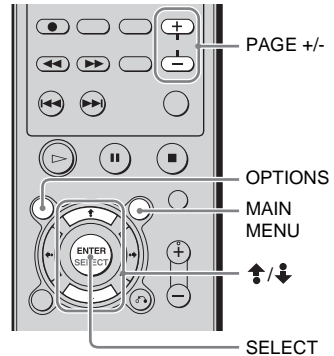
Note




To be able to play background music VAIO Media Music Server must be started (page 30).

Viewing a photograph list

— Index feature

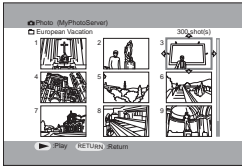
You can view a thumbnail index of the photographs (still images) saved on the VAIO computer.



- 1 Press the blue MAIN MENU button.**
The main menu appears.
- 2 Use  to select PHOTO-View photos, and then press the SELECT button.**
The folder screen appears.
- 3 Use  to select the folder containing the album that you want to view, and then press the SELECT button.**
The selected folder opens.
- 4 Use  to select the album that you want to view, and then press the SELECT button.**
A submenu appears.

5 Select Show index, and then press the SELECT button.

Nine thumbnails appear.



If all the thumbnails cannot fit on a single screen, use the **PAGE +/-** buttons display more.

Note

Depending on the type of your television, the screen may temporarily appear to be distorted when consulting a thumbnail index.

Starting a slide show from a selected photograph

1 Use **↑/↓/←/→** to select the photographs that you want to view, and then press the SELECT button.

A submenu appears.

2 Use **↑/↓** to select Start slide show, and then press the SELECT button.

The slide show starts from the selected photograph.

Tips

- You can also start the slide show with the **▷ (Playback)** button.
- Press the **■ (Stop)** button to return to the thumbnail index.

Viewing a single photograph

1 Use **↑/↓/←/→** to select the photographs that you want to view, and then press the SELECT button.

A submenu appears.

2 Use **↑/↓** to select Show selected picture, and then press the SELECT button.

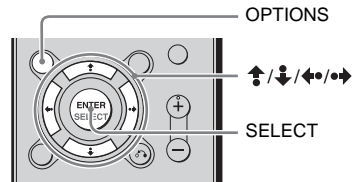
The selected photograph is displayed full-size.

To start a slide show from the photograph that you are viewing

Press the **▷ (Playback)** button.

Changing slide show settings

You can change the interval at which each photograph in the slide show is displayed and the slide show loop settings.

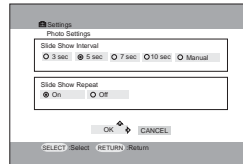


1 In the folder screen, press the OPTIONS button.

The **OPTIONS** menu appears.

2 Use **↑/↓** to select Photo Settings, and then press the SELECT button.

The **Photo Settings** screen appears.



3 Under Slide Show Interval, select the time with **↑/↓/←/→**, and then press the SELECT button.

4 Under Slide Show Repeat, select On or Off with **↑/↓/←/→**, and then press the SELECT button.

5 Use **↑/↓/←/→** to select OK, and then press the SELECT button.

This returns to the **Folder** screen.

— Watching broadcasts received by the VAIO computer

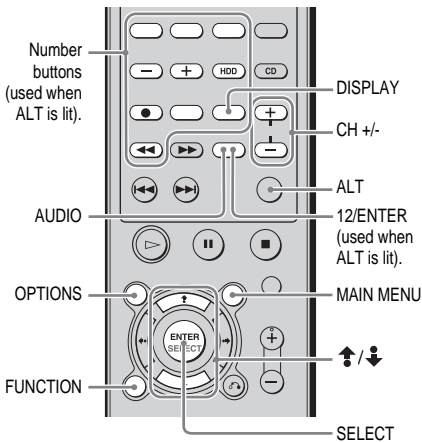
This section describes how to watch television broadcasts received by your VAIO computer and make various television-related settings.

Watching television broadcasts

You can watch television broadcasts received by the VAIO computer. To be able to do so, you must first perform “Step 5: Preparations needed to use Network Media” (page 34).

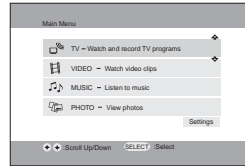
Notes

- To watch television broadcasts, the VAIO computer must be equipped with an antenna. For details, refer to the documentation supplied with the VAIO computer.
- With some models of VAIO computer, it is not possible to watch television (page 22).



1 Press the blue MAIN MENU button.

The main menu appears.



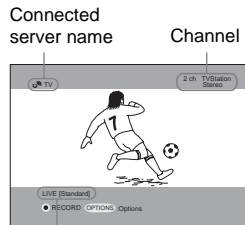
While using a different Network Media function, you can also press the function selection button to select the television function.

Tip

When no VAIO computer normally connected is set, the **Select a Server** screen appears. Use ↑/↓ to select the VAIO computer to be connected, then press the **SELECT** button. On the submenu select **Connect**, and then press the **SELECT** button. If there are no VAIO computers in the **Select a Server** screen, press the **OPTIONS** button, and on the **OPTIONS** menu select **Refresh**, and then press the **SELECT** button. Note that it may take some time until the VAIO computers appear.



2 Use ↑/↓ to select TV-Watch and record TV programs, and then press the SELECT button.

The television screen appears.



Current broadcast

When the Select a Server screen appears

If no VAIO computer normally connected is set, the **Select a Server** screen appears. Use / to select the VAIO computer to be connected, press the **SELECT** button, and then select **Connect**.

To set the VAIO computer normally connected, see page 49.

To watch a television broadcast received by a different VAIO computer

When there is more than one VAIO computer connected to the receiver, you can select the VAIO computer to which you want to connect. To do so, press the **OPTIONS** button. On the **OPTIONS** menu, select **Select a Server**, and then press the **SELECT** button. In the **Select a Server** screen, select the VAIO computer to be connected, select **Connect**, and then press the **SELECT** button.

3 Select the channel with the CH +/- buttons.

You can also press the **ALT** button so that it lights, and then change the channel with the number buttons.

For example, to change to channel 12, press number buttons 1 and 2 successively, and then press the orange **ENTER** button.

Note

The channels changes three to five seconds after you press the orange **ENTER** button.

To switch the soundtrack on a bilingual broadcast

Press the **AUDIO** button. This cycles through the audio modes sequentially.

Main (stereo) → SAP (stereo L) → Main/SAP (stereo R) → ...

To display and exit the screen display

Press the blue **DISPLAY** button. Each time you press the blue **DISPLAY** button, the screen display appears or disappears.

To watch a broadcast from a device connected to the line input of the VAIO computer

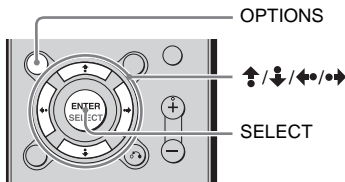
Press the **OPTIONS** button. On the **OPTIONS** menu, select Select an input, and then press the **SELECT** button. The available external inputs appear. Select one and press the **SELECT** button.

Notes

- It is not possible to watch a video signal with copyguard protection.
- If another VAIO computer or receiver on your home network is already streaming the television broadcast received by the VAIO computer equipped with an antenna, you cannot watch television broadcasts with Network Media.
- If Giga Pocket running on the VAIO computer is recording (timer recording), then you cannot connect to the VAIO computer with Network Media. If Giga Pocket running on the VAIO computer starts recording (timer recording) while you are watching a television broadcast, the recording takes precedence.
- After 12 hours of continuous television watching, the screen may go blank for 10 to 20 seconds. This is not a malfunction. Television function automatically resumes.


Changing the television image quality

You can select the image quality used when watching television broadcasts.

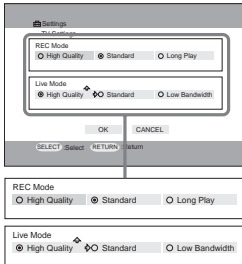



- 1 When watching a television broadcast received by the VAIO computer, press the OPTIONS button.**

The **OPTIONS** menu appears.

- 2 Use  to select TV Settings, and then press the SELECT button.**

The **TV Settings** screen appears.



- 3 Under Live Mode, use  to select High Quality (high image quality), Standard (medium image quality), or Low Bandwidth (low image quality).**
- 4 Select OK, and then press the SELECT button.**

The television screen reappears.

Note

Selecting **High Quality** places a large load on the network. Depending on your environment configuration, the video and audio may be choppy.

— Recording broadcasts received by the VAIO computer

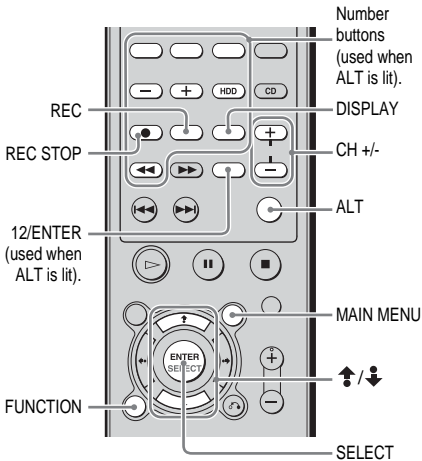
This section describes how to record television broadcasts received by your VAIO computer and make recording-related settings.

Recording television broadcasts

On the VAIO computer you can save (record) television broadcasts received by the VAIO computer. To be able to do so, you must first perform “Step 5: Preparations needed to use Network Media” (page 34).

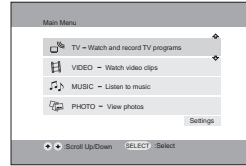
Notes

- To record television broadcasts, the VAIO computer must be equipped with an antenna. For details, refer to the documentation supplied with the VAIO computer.
- With some models of VAIO computer, it is not possible to watch television (page 22).



1 Press the blue MAIN MENU button.

The main menu appears.



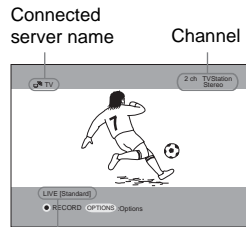
While using a different Network Media function, you can also press the function selection button to select the television function.

Tip



When no VAIO computer normally connected is set, the **Select a Server** screen appears. Use **↑**/**↓** to select the VAIO computer to be connected, then press the **SELECT** button. On the submenu select **Connect**, and then press the **SELECT** button. If there are no VAIO computers in the **Select a Server** screen, press the **OPTIONS** button, and on the **OPTIONS** menu select **Refresh**, and then press the **SELECT** button. Note that it may take some time until the VAIO computers appear.

2 Use **↑**/**↓** to select TV-Watch and record TV programs, and then press the **SELECT** button.

The television screen appears.



When the Select a Server screen appears

If no VAIO computer normally connected is set, the **Select a Server** screen appears. Use / to select the VAIO computer to be connected, press the **SELECT** button, and then select **Connect**.

To set the VAIO computer normally connected, see page 49.

To record a broadcast received by a different VAIO computer

When there is more than one VAIO computer connected to the receiver, you can select the VAIO computer to which you want to connect. To do so, press the **OPTIONS** button. On the **OPTIONS** menu, select **Select a Server**, and then press the **SELECT** button. In the **Select a Server** screen, select the VAIO computer to be connected, select **Connect**, and then press the **SELECT** button. Recording is performed on the VAIO computer selected in the **Select a Server** screen.

3 Select the channel with the CH +/- buttons.

You can also press the **ALT** button so that it lights, and then change the channel with the number buttons.

For example, to change to channel 12, press number buttons 1 and 2 successively, and then press the orange **ENTER** button.

Note

The channels changes three to five seconds after you press the orange **ENTER** button.

4 Press the REC button.

The screen pauses, and after a short delay recording starts. Recording stops automatically 30 minutes later.

To extend the recording time

Press the **REC** button. Each press increases the recording time by 30 minutes up to a maximum of 6 hours.

For example, to record for 2 hours, press the **REC** button four times.

To change the recording quality
See page 76.

5 Press the REC STOP button.

Recording stops soon after. The display then freezes temporarily, but resumes normal display momentarily.

Notes

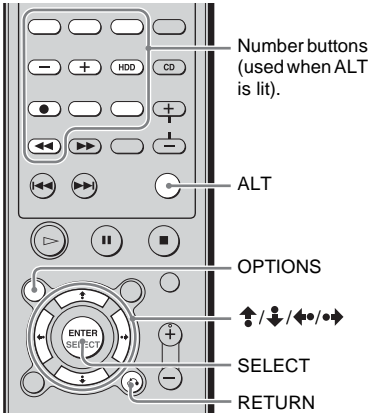
- When recording, it is not possible to change the recording mode (**High Quality, Standard, Long Play**). To change the recording mode, stop recording. For details see page 76.
- When recording, it is not possible to select a different function.
- When recording a programme on the VAIO computer, it is not possible to start playing the same programme from the beginning with Network Media.
- It takes approximately 20 seconds before pressing the **REC** or **REC STOP** button takes effect. Allow sufficient time to take this into account before you start recording.
- When recording stops, the display freezes for approximately 20 seconds.

To display and exit the screen display

Press the blue **DISPLAY** button. Each time you press the blue **DISPLAY** button, the screen display appears or disappears.

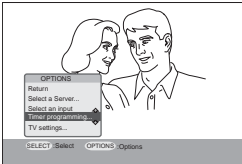
Timer recording

You can set the timer to record a television broadcast received by the VAIO computer.



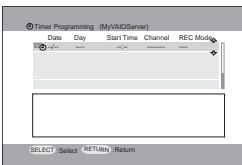
- 1 When watching a television broadcast received by the VAIO computer, press the **OPTIONS** button.

The **OPTIONS** menu appears.



- 2 Use **↑/↓** to select **Timer programming**, and then press the **SELECT** button.

The **Timer Programming** screen appears.



- 3 Use **↑/↓** to select the top row, and then press the **SELECT** button.
The **Change Timer** screen appears.
- 4 Use **↑/↓** to select the month in the **Start Date/Time**, and then press the **SELECT** button.
It is now possible to change the month setting.
- 5 Use **↑/↓** to select the month, and then press the **SELECT** button.
This month is set.
- 6 Repeat steps 4 and 5 to set the **duration, channel, and recording mode**.

Tips

- You can also press the **ALT** button so that it lights, enter a numeric value with the number buttons, and then press the orange **ENTER** button to enter the numeric value.
- The minimum recording time is 3 minutes.

- 7 To record the same broadcast at the same time each week, select **Recurrence ON**, and then press the **SELECT** button.
- 8 Select **OK**, and then press the **SELECT** button.

The timer is set. When the set time arrives, the VAIO computer automatically begins recording.

Notes

- You can set the timer for a programme as long as one year in advance. For example, on November 1st, you can set the timer to record programmes up to the October 31st of the following year.
- If you there is a timer recording more than one year ahead of time already set with Giga Pocket, it cannot be correctly modified with Network Media. Change the setting using the timer screen of Giga Pocket on the VAIO computer.
- If you change a timer recording made with Giga Pocket, the details are lost. Change the setting using the timer screen of Giga Pocket on the VAIO computer.

continued

75GB

To cancel a timer recording

- 1** In step 3 of “Timer recording”, use **↑/↓** to select the timer recording that you want to cancel, and then press the **SELECT** button.

A submenu appears.

- 2** Use **↑/↓** to select **Cancel Timer programming**, and then press the **SELECT** button.

A confirmation message appears.

- 3** Use **←/→** to select **OK**, and then press the **SELECT** button.

This cancels the timer recording.

To change a timer recording

- 1** In step 3 of “Timer recording”, use **↑/↓** to select the timer recording that you want to change, and then press the **SELECT** button.

A submenu appears.

- 2** Use **↑/↓** to select **Change Timer programming**, and then press the **SELECT** button.

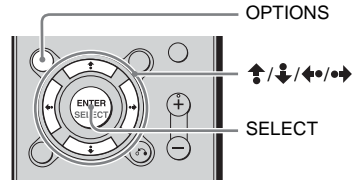
- 3** Change the timer recording settings, select **OK**, and then press the **SELECT** button.

The timer recording settings are changed.

Changing the recording quality

You can change the recording mode.

Read this section along with “Recording television broadcasts” (page 73).

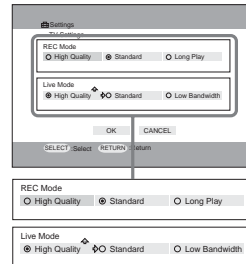


- 1** When watching a television broadcast received by the VAIO computer, press the **OPTIONS** button.

The **OPTIONS** menu appears.

- 2** Use **↑/↓** to select **TV Settings**, and then press the **SELECT** button.

The **TV Settings** screen appears.



- 3** Use **↑/↓/←/→** to select **High Quality (high image quality)**, **Standard (medium image quality)**, or **Long Play (low image quality)** as the recording mode.

- 4** Select **OK**, and then press the **SELECT** button.

The television screen reappears.

Note

When recording, it is not possible to change the recording mode (**High Quality**, **Standard**, **Long Play**).

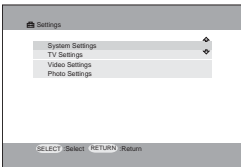
Changing Network Media settings

Setting the receiver IP address

By default the receiver acquires an IP address automatically. Use the following procedure to specify an IP address, if necessary. Note that when the receiver is used in a environment containing a router, you should not specify the receiver IP address (page 35).

- 1 On the main menu, select Settings, and then press the SELECT button.**

The **Settings** screen appears.

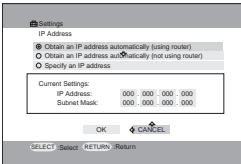


- 2 Use \uparrow/\downarrow to select System Settings, and then press the SELECT button.**

The **System Settings** screen appears.

- 3 Use \uparrow/\downarrow to select IP Address, and then press the SELECT button.**

The **IP Address** screen appears.



- 4 Use \uparrow/\downarrow to select Specify an IP address, and then press the SELECT button.**

- 5 Use $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select the item that you want to set, press the SELECT button, Use \uparrow/\downarrow to enter the numeric values of the IP address and subnet mask, and then press the SELECT button.**

Tip

You can also press the **ALT** button so that it lights, and then enter the value with the number buttons on the remote.

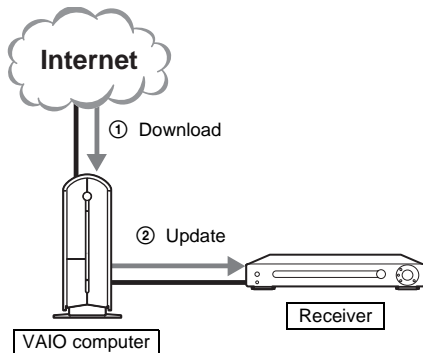
- 6 Use $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select OK, and then press the SELECT button.**

Tip

When either **Obtain an IP address automatically** option is selected, the IP address automatically acquired appears.

Updating the receiver software

You can download software updates for the receiver from the Internet with the VAIO computer. For details, visit the Sony home audio customer support Web site at <http://www.vaio-link.com/info/lv700R/EN/>, locate your model of VAIO computer.

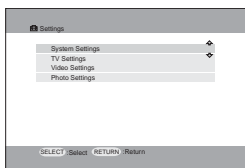


Tip

To ensure that you have the most recent version of the receiver software and to avoid possible problems, we recommend that you visit the home audio customer support Web site regularly.

- 1 On the main menu, select Settings, and then press the SELECT button.**

The **Settings** screen appears.



- 2 Use \uparrow/\downarrow to select System Settings, and then press the SELECT button.**

The **System Settings** screen appears.

- 3 Use \uparrow/\downarrow to select Firmware Update, and then press the SELECT button.**

The **Firmware Update** screen appears.

Tip

A message indicating that the operation cannot be cancelled and the remote disabled appears, but Network Media restarts automatically in step 5.

- 4 Use $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select OK, press the SELECT button, and then wait for about 10 seconds.**

You can now download data from the VAIO computer.

Note

You cannot cancel the download once it starts. While the download is in progress, the receiver buttons and the remote are disabled.

- 5 On the VAIO computer, start the update utility, and then start the update.**

Follow the instruction on the home audio customer support Web site and the Readme file supplied with the update utility.

Note

During the update, never disconnect the power cord, network cable, or turn off the receiver.

The update procedure takes approximately three minutes. When the update is complete, the receiver internal power momentarily goes off, Network Media restarts, and the main menu appears after approximately 20 seconds.

Tip

After the update, all the custom settings except the IP address are reset to their defaults.

Selecting the Network Media language

You can select the language used by Network Media. By default, this language is English.

Note

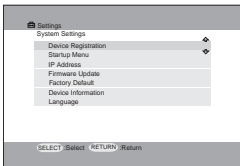
Modifying this setting does not affect the language of the messages displayed by the receiver on its display.

- 1 On the main menu, select Settings, and then press the SELECT button.

The Settings screen appears.

- 2 Use \uparrow/\downarrow to select System Settings, and then press the SELECT button.

The System Settings screen appears.



- 3 Use \uparrow/\downarrow to select Language, and then press the SELECT button.

The Language Setting screen appears.

- 4 Use $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select the desired language, and then press the SELECT button.

- 5 Use $\uparrow/\downarrow/\leftarrow/\rightarrow$ to select OK, and then press the SELECT button.

A confirmation message in the selected language appears, prompting you to restart the receiver to apply the language change.

- 6 Press the SELECT button to close the message.

- 7 Press the I/⏻ button to restart the receiver.

The Network Media function screen appears on the television in the language that you selected. (The appearance of the screen depends on the Network Media default settings (page 52).)

Resetting Network Media

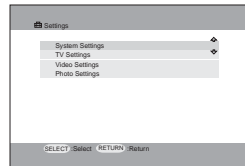
Completely resetting Network Media

The following procedure resets the following settings to their defaults.

- Startup Menu
- IP Address
- REC Mode (page 76)
- Live Mode (page 72)
- Video Server Confirmation
- Slide Show Interval (page 69)
- Slide Show Repeat (page 69)
- Language Setting (page 79)

- 1 On the main menu, select Settings, and then press the SELECT button.

The Settings screen appears.



- 2 Use \uparrow/\downarrow to select System Settings, and then press the SELECT button.

The System Settings screen appears.

- 3 Use \uparrow/\downarrow to select Factory Defaults, and then press the SELECT button.

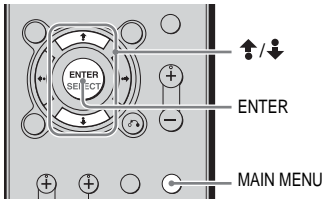
The Default Settings screen appears.

- 4** Use **↑/↓/←/→** to select OK, and then press the **SELECT** button.

All the settings are reset to their defaults.

Resetting Network Media except the IP address

This reset all the Network Media settings to their default, but retain the IP address setting, follow the procedure below. Perform this procedure when you do not want to reset network-related settings.



- 1** Press the black MAIN MENU button repeatedly, until SET UP appears on the receiver display.
- 2** Use **↑/↓** to select N.M. RESET.
- 3** Press the black ENTER button. CONFIRM appears on the display.
- 4** To reset, press the black ENTER button.

N.M. RESET appears on the display and the Network Media settings are reset.

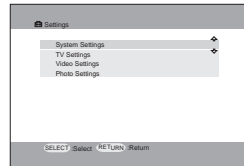
Registering the receiver on the VAIO computer (restricting access to the VAIO computer)

You can configure the VAIO computer to restrict its access to the receiver only.

Receiver operation

- 1** On the main menu, select Settings, and then press the SELECT button.

The Settings screen appears.



- 2** Use **↑/↓** to select System Settings, and then press the SELECT button .

The System Settings screen appears.

- 3** Use **↑/↓** to select Device Registration, and then press the SELECT button.

The Registration screen appears.

- 4** Use **↑/↓/←/→** to select OK, and then press the SELECT button.

A screen appears as the registration stands by for you to perform the registration procedure on the VAIO computer. If you fail to complete the registration procedure on the VAIO computer within about 5 minutes, registration fails.

Perform the following procedure on the VAIO computer.

VAIO computer operation

- 1 On the Start menu, point to All Programs, VAIO Media, Server Administration, and then click Console.**
The **VAIO Media Console** dialog box appears.
- 2 Under Access Control Settings, select the Access this computer from other computers on the network check box, select Register the devices accessing this computer, and then click Registered Devices.**
The List of **Registered Devices** dialog box appears.
- 3 Click Register.**
The **Device Registration** dialog box appears.
- 4 Clear the Use the confirmation number to register your device check box, and then click Start Registration.**
The **Receiving Registration Request** dialog box appears.
- 5 When the Registration Confirmation dialog box appears, click Yes.**
The receiver is added to the **List of Registered Devices**.
- 6 Close the List of Registered Devices and VAIO Media Console dialog boxes.**

Receiver operations

When the **Registration Completed** message appears on the television screen connected to the receiver, press the **SELECT** button, completing the receiver registration on the VAIO computer. The **System Settings** screen reappears.

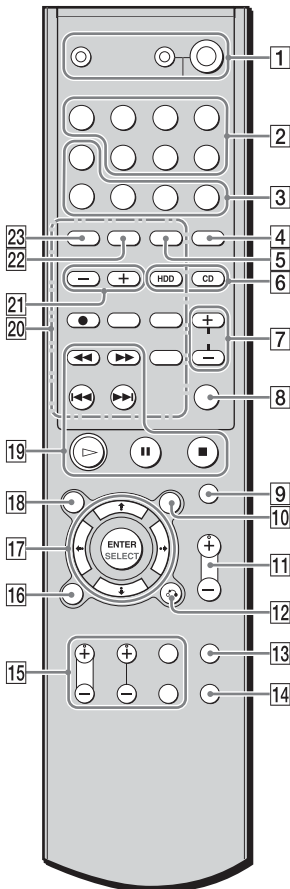
Appendix

Using the remote

You can use the remote to perform a variety of operations.

Controlling other components and the receiver

You can use the receiver remote to control a number of other Sony components connected to the receiver. For details about the remote buttons used for Network Media operations, see page 85.



Remote button	Operation	Function
1-9, 0/10¹⁾ 20	CD player/ VCD player/ MD deck	Selects the track number. Pressing 0 enters 10.
	Television/ VCR/Satellite tuner	Selects the channel number.
> 10/11¹⁾ 20	CD player/ VCD player/ MD deck/Tape deck	Selects track numbers higher than 10.
	Television	Selects channel 11.
2CH/TEST TONE 3	Receiver	Selects the 2CH STEREO mode. Starts or stops the test tone.
12/ENTER¹⁾ 20	CD player/ VCD player/ MD deck/Tape deck	Sets the channel or track number selected with the number buttons.
	Television	Selects channel 12.
A.F.D. 3	Receiver	Selects the A.F.D. mode.
ALT 8	Remote	Press this button, lighting it, before using functions printed in orange on the remote.
AM 2	Receiver	Selects the AM band.
ANT/-/--¹⁾ 20	TV/VCR	Selects the channel input mode (1 or 2 characters).
AV I/ 1	TV/VCR/Hard disk audio recorder/ CD player/ VCD player/ DVD player/ MD deck	Turns the audio and video components on or off.
AV MENU 10	VCR/Satellite tuner/DVD player	Displays the menu.
DISPLAY 16	TV/VCR/ VCD player/ DVD player	Selects information displayed on the television screen.
DVD 2	Receiver	Allows you to watch DVD.
ENTER 17	VCR/Satellite tuner/DVD player	After selecting a menu item, press to enter the selection.
FM 2	Receiver	Selects the FM band.

Remote button	Operation	Function
FM MODE [5]	Receiver	Selects FM monaural or stereo reception.
HDD FUNCTION HDD CD [6]	Hard disk audio recorder	Changes the function of the hard disk audio recorder.
HDD/MD [2]	Receiver	Outputs audio from the audio recorder or MD player.
INPUT MODE [14]	Receiver	Selects the digital audio input mode.
MAIN MENU [13]	Receiver	Selects a receiver menu.
MEMORY [22]	Receiver	Stores radio stations.
MOVIE [3]	Receiver	Selects a sound field.
MUSIC [3]	Receiver	Selects a sound field.
MUTING [9]	Receiver	Mutes the receiver audio output.
N.MEDIA [2]	Receiver	Plays back or displays the data on your VAIO computer with Network Media.
PRESET CH/ALBUM +/- [7]	Hard disk audio recorder/CD player	Selects the MP3 album.
	Receiver	Scans and selects preset stations.
	TV/VCR/Satellite tuner	Selects preset channels.
RETURN/EXIT [12]	VCD player/DVD player	Returns to the previous menu.
	Satellite tuner	Exits the menu.
SHIFT [23]	Receiver	Press repeatedly to select a memory page to preset radio stations or tune in preset stations.
SOUND FIELD [3]	Receiver	Selects the sound field.
SYSTEM STANDBY (Press AV I/⏻ while holding down I/⏻) [1]	Control centre/TV/VCR/Satellite tuner/Hard disk audio recorder/CD player/VCD player/DVD player/MD deck/Tape deck	Turns off the system and other Sony audio/video components.

Remote button	Operation	Function
TOP MENU [18]	DVD player/Satellite tuner	Displays the DVD title. Displays the guide menu.
TUNING +/- [21]	Receiver	Scans radio stations.
TUNING MODE [4]	Receiver	Changing the tuning mode.
TV I/⏻ [1]	TV	Turns the television on or off.
TV CH +/- [15]	TV	Selects preset television channels.
TV/SAT [2]	Receiver	Allows you to watch broadcasts from the satellite tuner.
TV/VIDEO [15]	TV	Selects input signal: television input or video input.
TV VOL +/- [15]	TV	Adjusts the volume of the television.
VIDEO [2]	Receiver	Allows you to watch video.
VOLUME +/- [11]	Receiver	Adjusts the receiver volume.
WIDE [15]	TV	Selects the wide-picture mode (only for Sony televisions that support wide-picture mode).
I/⏻ [1]	Receiver	Turns the receiver on or off.
▷ [19]	VCR/Hard disk audio recorder/CD player/VCD player/DVD player/MD deck/Tape deck	Starts playback.
⏸ [19]	VCR/Hard disk audio recorder/CD player/VCD player/DVD player/MD deck/Tape deck	Pauses playback or recording. (Also starts recording with components in record standby.)

continued

Remote button	Operation	Function
■ 19	VCR/Hard disk audio recorder/ CD player/ VCD player/ DVD player/ MD deck/ Tape deck	Stops playback.
⏮/⏭ 19	VCR/Hard disk audio recorder/ CD player/ VCD player/ DVD player/ MD deck/ Tape deck	Skips tracks.
⏮/⏭ 19	Hard disk audio recorder/ CD player/ VCD player/ DVD player/ MD deck	Searches tracks (forward or backward).
⏮/⏭/⏮/⏭ 17	VCR/Satellite tuner/DVD player	Selects a menu item.

1) You must press the **ALT** button, lighting it, before you can use these buttons.

Notes

- Pressing an input button (**VIDEO**, **HDD/MD**, **DVD**, **TV/SAT**) may not always successfully change the input. If this happens, press the **TV/VIDEO** button to select the television as the input signal.
- The explanations above are intended to serve as an example only. Therefore, depending on the components, the operations above may not be possible or may operate differently than described.
- Before you use the ⏮/⏭/⏮/⏭ button for receiver operation, press the black **MAIN MENU** button. To operate other components, press the **TOP MENU** or **AV MENU** button after pressing the input button.

Changing the default settings of an input button on the remote

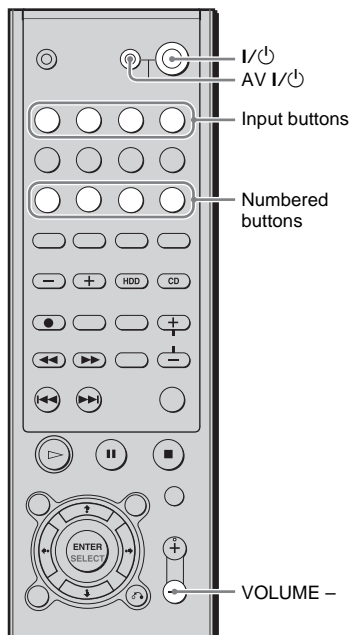
By default, the input buttons of the remote are assigned to the following components.

Input button	Assignment
VIDEO	VCR (VTR mode 3 ¹⁾)
HDD/MD	Audio recorder
DVD	DVD player (category code 1 ²⁾)
TV/SAT	Television

1) For use with Sony VCRs.

2) For use with Sony DVD players.

If the default settings of the input buttons on the remote do not match your system components, you can change them. For example, if you have a VCD player, but do not have an MD deck, you can assign **HDD/MD** to your VCD player.



While pressing the input button on the remote (for example, HDD/MD) that you want to assign to a component, press two numeric buttons, then release the input button.

In the example above, press the **HDD/MD** button, **3, 3**, then release the **HDD/MD** button. For assignable components and buttons to be pressed, refer to the table below.

To operate	Buttons	
	Press first	Press second
VCR (command mode VTR 3 ¹⁾)	1	3
VCR (command mode VTR 2 ¹⁾)	1	4
CD player	2	1
Hard disk audio recorder	2	2
MD deck	2	3
Tape deck A	2	4
Tape deck B	3	1
DVD player (category code 1 ²⁾)	3	2
DVD player (category code 2 ²⁾)	4	4
DVD player (category code 3 ²⁾)	4	1
VCD player	3	3
TV	3	4
Receiver	1	1
Tuner	1	2

- 1) Sony VCRs are operated with a VTR 2 or 3 setting. These correspond to 8 mm and VHS respectively.
- 2) Sony DVD players and recorders can be set to DVD1, DVD2, or DVD3. Most Sony DVD recorders are category 3.

To return to the assignments before the change, repeat the operations above.

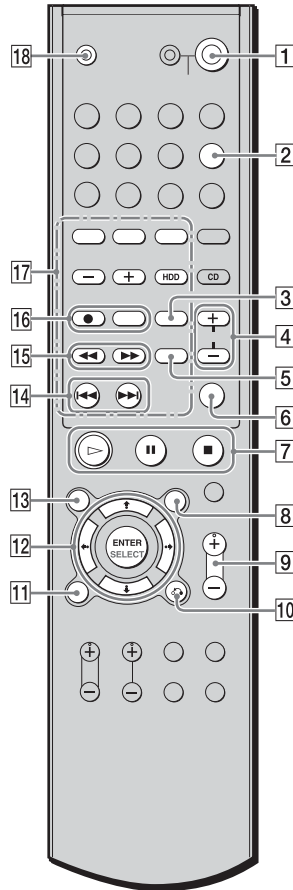
To reset all the input buttons to their default settings

Press the **I/⏏**, **AV I/⏏**, and **VOLUME -** buttons at the same time.

The **ALT** button blinks three times and the input buttons are reset to their default settings.

Using the remote with Network Media

This section describes the remote buttons used with Network Media. The blue characters on the remote identify Network Media buttons. For details about the remote buttons used for receiver operations, see page 82.



Remote button	Operation	Function
1-9, 0/10¹ 17	TV	Selects the channel number.
	Video	Specifies the time for a time search.
12/ENTER¹ 17	TV	Confirms the channel number specified with the number buttons.
	Video	Confirms the time search time specified with the number buttons.
ALT 16	TV/Video	Press this button, lighting it, before using functions printed in orange on the remote.
AUDIO 5	TV/video	Selects the playback mode for multiplexed audio
CH/PAGE 4	TV	Selects the television channel.
	Photographs	Changes the thumbnail page.
CLEAR¹ 14	TV	Clears the channel number specified with the number buttons.
	Video	Clears the time search time specified with the number buttons.
DISPLAY 3	TV/video/ music/ photographs	Displays Network Media information on the television screen
FUNCTION 11	TV/video/ music	Switches to another available Network Media function.
MAIN MENU 8	TV/video/ music/ photographs	Displays the Network Media main menu.
MASTER VOL 9	TV/video/ music/ photographs	Adjusts the receiver volume.
N.MEDIA 2	TV/video/ music/ photographs	Switches the receiver input to Network Media.
OPTIONS 13	TV/video/ music/ photographs	Display the available options on the displayed screen.
PREV/ NEXT 14	Music	Selects the track.
	Photographs	Changes the thumbnail page.

Remote button	Operation	Function
REC 16	TV	Saves (records) television programmes on the VAIO computer.
REC STOP 16	TV	Stops recording television programmes on the VAIO computer.
RETURN 10	TV/video/ music/ photographs	Returns to the previous screen.
REW/FWD 15	Video/music	Fast forwards or fast reverses video or music.
TV I/18	TV/video/ music/ photographs	Turns a Sony television on or off.
I/1	TV/video/ music/ photographs	Turns the receiver on or off.
▷ (Playback) 7	Video	Plays back video saved on the VAIO computer.
	Music	Plays back tracks a playlist.
	Photographs	Starts slide shows.
II (Pause) 7	Video/music/ photographs	Pauses playback or slide shows.
■ (Stop) 7	Video/music/ photographs	Stops playback or slide shows.
↕/↔/↔/↔, TV/video/ SELECT 12 music/ photographs	TV/video/ music/ photographs	Selects menu items and confirm the selection with the SELECT button.

1) Press the **ALT** button, turning it on, before these operations.

Note

The **TV I/18** button can only be used to operate Sony televisions.

Precautions

Safety

Should any solid object or liquid fall onto the cabinet, unplug the receiver and have it checked by qualified personnel before operating it any further.

Power sources

- Before operating the unit, check that the operating voltage is identical to your local power supply. The operating voltage is indicated on the nameplate at the rear of the receiver.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the power outlet, even if the unit itself has been turned off.
- If you are not going to use the receiver for a prolonged period, be sure to disconnect the receiver from the power outlet. To disconnect the AC power cord, grasp the plug itself; never pull the cord.
- The AC power cord must be replaced only at a qualified servicing centre.

Heat buildup

Although the unit heats up during operation, this is not a malfunction. It is also not a malfunction for the upper left corner of the unit to heat up while the power is on. If you continuously use this unit at a high volume, the cabinet temperature of the top, side, and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.

Positioning

- Place the receiver in a location with adequate ventilation to prevent heat buildup and prolong the life of the receiver.
- Do not place the receiver near heat sources, or in a location subject to direct sunlight, excessive dust, or mechanical shock.
- Do not place anything on top of the cabinet that might block the ventilation holes and cause malfunctions.
- Use caution when placing the unit or speakers on surfaces that have been specially treated (with wax, oil, polish, etc.) as staining or discoloration of the surface may result.

Operation

Before connecting other components, be sure to turn off and unplug the receiver.

Cleaning

Clean the cabinet, panel, and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine.

If you have any questions or problems concerning your receiver, consult your nearest Sony dealer.

Troubleshooting

If you experience any of the following difficulties while using the receiver or Network Media, use this troubleshooting section to help you remedy the problems. Should any problem persist, consult your nearest Sony dealer.

General troubleshooting

Cannot turn on the receiver.

- Verify that the power cord is correctly connected to the power supply.
- Verify that all the cables are correctly connected to the receiver (see pages 9–18).
- If the receiver is connected to a multi-plug adapter with a power switch, for example, make sure that the adapter is on and that the receiver power cord is correctly connected.

There is no sound no matter which component is selected.

- Check that both the receiver and all components are turned on.
- Check that you have selected the correct component on the receiver.
- Check that the headphones are not connected.
- Check that the **VOLUME** control is not set to **MIN**.
- Check that all the speaker cables are connected correctly.
- Press the **MUTING** button on the remote to cancel the muting function.
- The protection circuit may be activated. Turn off the receiver, eliminate the short-circuit problem, and turn on the power again after about 20 seconds.

There is no sound from a specific component.

- Check that the component is connected correctly to the audio input jacks for that component.
- Check that the cable(s) used for the connection is (are) fully inserted into the jacks on both the receiver and the component.
- Check that you have selected the correct component on the receiver.

There is no sound from one of the front speakers.

- Connect headphones to the PHONES jack to verify that sound is output from the headphones. If only one channel is output from the headphones, the component may not be correctly connected to the receiver. Check that all the cables are fully

inserted into the jacks on both the receiver and the component. If both channels are output from the headphones, the front speaker may not be correctly connected to the receiver. Check the connection of the front speaker which is not outputting any sound.

The multi-channel surround effect of the Dolby Digital or DTS is not obtained.

- Check that the DVD software, etc., is recorded in Dolby Digital or DTS.
- If you connect the DVD player, etc., to the digital input jack on this system, check the audio setting (for digital audio output) of the component.
- Check that the audio track is correctly selected on the DVD player. (Check the audio setting of the DVD menu.)

There is no sound when performing DTS-CD playback, etc.

- Select the desired digital component, and then set **DEC. XXXX** to **DEC. AUTO** in the **SET UP** menu.

There is noise when playing back CD.

- Select the desired digital component, and then set **DEC. XXXX** to **DEC. AUTO** in the **SET UP** menu.

Sound is choppy when starting CD playback.

- Select the desired digital component, and then set **DEC. XXXX** to **DEC. PCM** in the **SET UP** menu.

Cannot record audio.

- Check that you have selected the correct component on the receiver.
- Select the component from which you want to record with **INPUT SELECTOR**.
- If you want to record audio from a digital component to a component connected to the analogue HDD/MD jack, check that **INPUT MODE** is **ANALOG** (page 47).
- You cannot output audio input to a digital input jack to an analogue output jack. Connect to an analogue input jack.

The left and right sounds are unbalanced or reversed.

- Check that the speakers and components are connected correctly and securely.
- Adjust balance parameters in the **LEVEL** menu.

There is severe humming or noise.

- Check that the speakers and components are connected securely.

- Check that the connecting cables are away from transformers or motors, and at least 3 m away from a television or fluorescent light.

There is no sound from the centre speaker.

- Make sure that the sound field function is on (press the **SOUND FIELD** button).
- Select the CINEMA STUDIO EX mode (page 43).
- Adjust the speaker level (page 21).
- Make sure that the centre speaker is set to **SMALL** or **LARGE** (page 19).

There is no sound or only very low-level sound from the surround speakers.

- Make sure that the sound field function is on (press the **SOUND FIELD** button).
- Select the CINEMA STUDIO EX mode (page 43).
- Adjust the speaker level (page 21).
- Make sure that the surround speakers are set to **SMALL** or **LARGE** (page 19).

There is no sound from the active subwoofer.

- Check that you have selected the subwoofer on the receiver.
- Check that the subwoofer is set to **YES** (page 19).
- Depending on the sound field, audio may not be output at the SUB WOOFER jack.

The surround effect cannot be obtained.

- Make sure that the sound field function is on (press the **A.F.D.**, **MOVIE** or **MUSIC** button).
- Sound fields do not function for signals with a sampling frequency of more than 48 kHz.

Radio stations cannot be tuned in.

- Check that the antennae are connected securely. Adjust the antennae and connect an external antenna if necessary.
- The signal strength of the stations is too weak (when tuning in with automatic tuning). Use manual tuning.
- Make sure that you set the tuning interval correctly (when tuning in AM stations manually).
- No stations have been preset or the preset stations have been cleared (when scanning preset stations). Preset stations (page 38).
- Press the black **DISPLAY** button so that the frequency appears on the display.

RDS does not work.

- Make sure that you have tuned in an FM RDS station.
- Select a stronger FM station.

The RDS information that you want does not appear.

- Contact the radio station and find out whether they provide the service in question. If so, the service may be temporarily out of order.

There is no picture or an unclear picture appears on the television screen or monitor.

- Select the appropriate input on the receiver.
- Set your television to the appropriate input mode.

The receiver is very hot and the fan does not work.

- During operation, the receiver can get considerably hot, but this is not a sign of malfunction. The fan starts automatically when necessary.

Network Media

Network Media does not function.

- Verify that the remote batteries are correctly inserted and that they are not spent (page 18)
- Press the **N.MEDIA** button on the remote before attempting to use Network Media.
- If the screen freezes and the remote stops functioning, or it becomes impossible to turn off the receiver, Network Media may have become unstable. Reset Network Media (page 80 “Resetting Network Media except the IP address”). Alternatively, disconnect the power cord from the power supply, and then reconnect it. After resetting Network Media or reconnecting the power cord, wait for approximately 20 seconds.

Note that all the Network Media settings are reset to their defaults except the IP address, after performing these operations.

- If you turn off the receiver, it goes on standby (waiting for remote operations). It still consumes a small amount of power in this state. If you want to completely turn off the receiver, disconnect it from the power supply. Doing so resets all the Network Media settings except the IP address. Note that for about 20 seconds after connecting the power cord to the power supply, switching the receiver input to **N.MEDIA** has no effect on the television.
- If Network Media still does not function properly 20 seconds or more after connecting the power cord to the power supply, it may be malfunctioning. Consult your Sony service representative.

The VAIO computer does not start (cannot be started when on standby or hibernating).

- Verify that the VAIO computer settings are correct (page 30).
- Verify that the network connection is correct by verifying the following:
 - If your receiver and VAIO computer (one unit each) are directly connected, verify that you are using a cross-wired cable (page 23).
 - Make sure that the hub or router is on. For details, refer to the documentation supplied with the hub or router.
 - Turn on the router before turning on the receiver.
 - Verify that the receiver and hub or router are connected with network cables (page 23).
 - Make sure that the IP address acquisition method is consistent with the network configuration (page 35).
- Verify that the name of the VAIO computer to which you want to connect appears in the **Select a Server** screen (page 49). Any VAIO computer to which you already connected appears on this screen.
- If you disconnect the amplifier power cord, all the registered VAIO computer information is lost, therefore you must connect the amplifier to the VAIO computer. (In this situation, all the receiver settings except the IP address are reset.)
- When you connect the receiver to a VAIO computer for the first time, you cannot use Network Media to start the VAIO computer from standby.
- In some instances, you may not be able to start some VAIO computers with Network Media. If you are using a wireless LAN or other type of network card, you may also not be able to start the VAIO computer. If you are using a notebook VAIO computer, you cannot start it when it is hibernating. VAIO computers can only be started from standby and hibernation with Network Media when the computer network connector is used.

The audio and video from Network Media do not reach the television.

- Verify that the receiver is on (page 18).
- Verify that the receiver and television are correctly connected (page 14).
- Verify that the television video input is switched to the video input from the receiver.
- Verify that the receiver input is switched to Network Media (N.MEDIA appears on the receiver display) (page 34).

- Audio from Network Media is not output from the television speakers. Listen with the receiver speakers.
- Verify that Giga Pocket Server is running. For details, refer to the Giga Pocket Server documentation.
- It is possible that the VAIO computer operation has become unstable. Restart the VAIO computer, and then start Giga Pocket Server.

The video stops intermittently or is distorted, and/or the audio stops intermittently.

- There may not be enough network bandwidth. Verify the following:
 - The network cables are 100Base-T compliant.
 - The hub or router is 100Base-T compliant.
- There may be an excessive load on the connected VAIO computer or on the network. Setting the television function of Network Media **Live Mode** to **High Quality** increases the load. Select **Standard** or **Low Bandwidth** instead (page 72).
- If the VAIO computer runs anti-virus software, scanning the files on the hard disk increases the load on the VAIO computer. Quit any anti-virus software when using Network Media or avoid connecting the receiver during virus scans.

The television screen is dark.

- To protect the television tube, if the system is idle for 15 minutes while Network Media is displaying the menu screen or playing music, the screen is automatically darkened (this is not a malfunction). Press a remote button to restore the screen to its normal brightness. To protect the tube, do not leave the menu screen displayed for long periods.

Cannot connect to the VAIO computer. (The “Cannot connect to the server” message appears).

- Verify that the VAIO computer is on. (To be able to start the VAIO computer with Network Media, the VAIO computer must be on standby hibernating, and you must have previously performed the procedure outlined in Useful setting 3 (page 53).)
- Verify that the receiver IP address can be obtained correctly. When the **IP Address** setting is **Obtain an IP address automatically**, and the acquisition is performed correctly, the IP address appears in the **IP Address** screen. If there is no IP address in the **IP Address** screen, verify the following:
 - If your receiver and VAIO computer (one unit each) are directly connected, verify that you are using a cross-wired cable (page 23).

- Make sure that the hub or router is on. For details, refer to the documentation supplied with the hub or router.
- Turn on the router before turning on the receiver.
- Verify that the receiver and hub or router are connected with network cables.
- Make sure that the IP address acquisition method is consistent with the network configuration (page 35).
- Make sure that the VAIO computer setup is correct (page 30).
- It is possible that the VAIO computer operation has become unstable. Restart the VAIO computer, and then start Giga Pocket Server. For details, refer to the Giga Pocket Server documentation.
- If you cannot connect to the VAIO computer using Network Media, restart the VAIO computer.
- If the Windows XP Internet Connection Firewall function is enabled, you may be unable to connect to the VAIO computer. Disable the Internet Connection Firewall function.

The receiver cannot be registered with the VAIO computer.

- Verify that the network connections are correct by verifying the following:
 - If your receiver and VAIO computer (one unit each) are directly connected, verify that you are using a cross-wired cable (page 23).
 - Make sure that the hub or router is on. For details, refer to the documentation supplied with the hub or router.
 - Turn on the router before turning on the receiver.
 - Verify that the receiver and hub or router are connected with network cables.
 - Make sure that the IP address acquisition method is consistent with the network configuration (page 35).

The VAIO computer does not appear in the Select a Server screen.

- Press the **OPTIONS** button, select **Refresh**, and then press the **SELECT** button (page 50). It may take some time until the display to appear on the screen.
- Verify that Giga Pocket Server is running. For details, refer to the Giga Pocket Server documentation.
- Verify that Music Server and Photo Server are running. For details, see “Step 4a: VAIO Media preparations (starting services)” (page 30).
- It is not enough for the VAIO computer to be running to be able to establish a connection with

the Network Media television and video functions. You must also be logged on to the VAIO computer. Make sure that you log on to the VAIO computer when you turn it on. However, if the VAIO computer is set up to log on automatically when it starts, you do not need to perform this operation.

No longer able to connect after resetting the VAIO computer.

- Set up the VAIO computer again following the procedures outlined in “Step 4: VAIO computer setup” (page 30).

The Select a Server screen appears every time.

- If the **Select a Server** screen appears every time you switch from the main menu to one of the Network Media functions (television, video, music, photographs), then in the **Select a Server** screen set the VAIO computer normally connected. (It is necessary to set the VAIO computer normally connected for each function separately (page 49).)

Connecting to the VAIO computer takes an unusually long time.

- If you are using the receiver without a router, it may take up to 30 seconds until the IP address is automatically assigned, and the receiver and the VAIO computer are connected after turning on the receiver.
- Set the receiver to a fixed IP address to shorten the connection time. For details, see “Changing Network Media settings” (page 77).
- Make sure that the receiver IP address does not conflict with other addresses on the network.

IP address	169.254.XXX.XXX (Enter 169.254 unchanged, then for XXX enter arbitrary 3-digit values (e.g.: 222.222).)
Subnet mask	255.255.0.0

Note

If you are using a router, do not assign a fixed IP address to the receiver.

Recording stops.

- Recording time was not extended. Except for timer recording, recording automatically stops 30 minutes after you press the **REC** button. Press the **REC** button again to extend the recording time by 30 minutes with each press (up to a maximum of 6 hours) (page 75).

continued

- There may not be enough remaining hard disk space on the VAIO computer. Delete any unnecessary data, to create space.

There is a delay between pressing the REC button and the start of recording. Same after pressing REC STOP and the end of recording.

- It takes approximately 20 seconds before pressing the **REC** or **REC STOP** button takes effect. Allow sufficient time to take this into account before you start recording.

Cannot watch television broadcasts.

- If Giga Pocket is performing a timer recording, you cannot watch television with Network Media. Furthermore, you cannot connect to a VAIO computer that is providing a television signal to a media receiver other than the receiver or Pico Player.

There is a delay between pressing the CH +/- buttons and the channel change.

- It may take between 3 and 5 seconds for the channel to change after you press the **CH +/-** buttons.

The television broadcast displayed with Network Media is lagging the actual broadcast.

- When watching television broadcasts with Network Media, there is a signal lag of approximately 15 seconds from the actual television broadcast.
-

Remote control

The remote does not function.

- Point the remote at the remote sensor on the receiver.
- Remove any obstacles between the remote and the receiver.
- Check that all the batteries are in the correct direction or that your rechargeable batteries are not spent.
- Replace all the dry cell batteries in the remote with new ones, if necessary.
- Make sure that you select the correct input on the remote.
- Make sure that the VTR mode of the VCR or the category code of the DVD player assigned to the remote input buttons is correct (page 84).

Cannot operate the DVD player with the remote.

- You can only operate Sony DVD players with the receiver remote.
 - Change the DVD player category code to 2 or 3 (page 84).
-

Reference sections for clearing the memory

To clear	See
All memorised settings	page 18
Adjusted sound fields	page 46

Specifications

Amplifier section

POWER OUTPUT

Rated power output in stereo mode

(8 Ω 1 kHz, DIN) 50 W + 50 W

Reference power output

(4 Ω 1 kHz, DIN) FRONT¹⁾: 75 W/ch
 CENTER¹⁾: 75 W
 SURROUND¹⁾:
 75 W/ch

¹⁾ Depending on the sound field settings and the source, there may be no sound output.

Frequency response 20 Hz – 20 kHz

DVD, TV/SAT, HDD/MD Sensitivity: 500 mV

Inputs (analogue) Impedance: 50 kΩ

DVD, TV/SAT, HDD/MD S/N²⁾: 84 dB
 (A, 500 mV³⁾)

²⁾ Input short.

³⁾ Weighted network, input level.

Inputs (digital)

DVD (coaxial) Impedance: 75 Ω
 S/N: 90 dB
 (A, 20 kHz LPF)

DVD, TV/SAT, S/N: 90 dB
 HDD/MD (optical) (A, 20 kHz LPF)

Sampling frequency

COAX, OPT 96 kHz

Outputs

LINE (subwoofer) Voltage: 2 V
 Impedance: 1 kΩ

FM tuner section

Tuning range 87.5 – 108.0 MHz

Antenna terminals 75 Ω, unbalanced

Intermediate frequency 10.7 MHz

Sensitivity

Mono: 18.3 dBf, 2.2 μV/75 Ω

Stereo: 38.3 dBf, 22.5 μV/75 Ω

Useable sensitivity 11.2 dBf, 1 μV/75 Ω

S/N

Mono: 76 dB

Stereo: 70 dB

Harmonic distortion at 1 kHz

Mono: 0.3%

Stereo: 0.5%

Separation 45 dB at 1 kHz

Frequency response 30 Hz – 15 kHz,
 +0.5/-2 dB

Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range 531 – 1,602 kHz

Antenna Loop antenna

Intermediate frequency 450 kHz

Usable sensitivity 50 dB/m (at 999 kHz)

S/N 54 dB (at 50 mV/m)

Harmonic distortion 0.5% (50 mV/m, 400 Hz)

Selectivity

At 9 kHz: 35 dB

Video section

Input

VIDEO: 1 Vp-p 75 Ω

Output

MONITOR: 1 Vp-p 75 Ω

Network Media section

Hardware decoder

MPEG2

Maximum 8 Mbps, 720 ×
 480 pixels, 30 fps

MPEG1

1.41 Mbps, 352 × 240
 pixels, 30 fps

Playable file formats

Giga Pocket video

MPEG2, MPEG1

SonicStage music

ATRAC3, ATRAC3plus,
 WAV, MP3. WMA is not
 supported.

Photo Server images

BMP, TIFF, GIF, JPEG,
 PNG

Interface

Network

100Base-TX

Compatible computers

VAIO computers bought
 after October 2003,
 running Windows XP
 Professional or Windows
 XP Home Edition

General

Power requirements 230 V AC, 50/60 Hz

Power consumption 95 W

Dimensions 430 × 65 × 288 mm

including projections and
 controls

Mass (approx.)

3.2 kg

Package contents

- AM loop antenna (1)
- Allen screwdriver (1)
- Connection adapter (1)
- Cross-wired cable (1)
- FM wire antenna (1)
- Network cable (approx. 170 cm, 1)
- Network cable ferrite core (1)
- R6 (AA) batteries (2)
- Remote control (1)
- Speaker cable ferrite core (5)
- Speaker plug (5)

Design and specifications are subject to change without notice.

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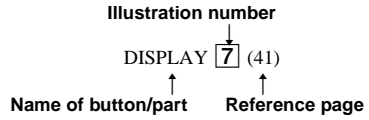
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List of button locations and reference pages

How to use this page

Use this page to find the location of buttons and other parts of the system mentioned in the text.



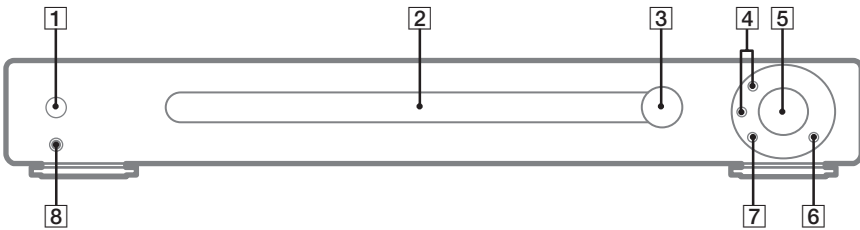
Main unit

Alphabetical order

Display **2**
INPUT SELECTOR **3** (37, 38, 47)
MUTING **6** (37)
PHONES jack **8**
PRESET TUNING +/- **4** (38)
SOUND FIELD **7** (43)
VOLUME **5** (21, 37)

Symbols

I/⏻ (power) **1**



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