

SONY®

Digital Photo Frame
VGF-CP1
Operating Instructions



WARNING

Owner's Record

The model number and serial number are located on the rear of this unit.

Record the serial number in the space provided below.

Refer to this number whenever you call your Sony dealer regarding this product.

Model No. VGF-CP1

Serial No. _____

WARNING

Be sure to read the software license agreement carefully in page 76/page 77 before using this product.

- This User Guide and the information contained herein shall not be reproduced in whole or in part and shall not be lent to any third parties.
- The terms of warranty for this product are defined in the separate warranty certificate provided with your home server.
- The license agreement for the supplied software is defined in the software license agreement for each software application.
- Sony Corporation provides no warranty with regard to the supplied software. In no event shall Sony Corporation be liable for any incidental, consequential, or special damages, where based on tort, contract, or otherwise, arising out of or in connection with the supplied software.
- Sony Corporation reserves the right to make any modification to this product and the supplied software. The specifications of this product and the supplied software are subject to change without prior notice.
- Sony Corporation and the software vendors reserve the right to terminate or suspend the network services to the supplied software. In no event shall Sony Corporation be liable for inconvenience wholly or partially resulted from the termination or suspension of the services.
- Some functions described in this User Guide and/or in the help files on the supplied software may not be implemented due to restrictions imposed by using such software on this product. Sony Corporation assumes no liability for inconvenience resulted from the restrictions.

The Picasa™ Web Album service is currently provided as a courtesy by Google™ and is subject to change or termination without notice.
Internet connection required.

For Customer in Europe

Sony hereby declares that this equipment is in compliance with the essential requirements and other relevant provisions of European Directive 1999/5/EC.

To obtain a copy of the declaration of conformity (DoC) with the R&TTE Directive, please access the following URL address.

<http://www.compliance.sony.de/>

This product also complies with EN 55022 Class B and EN 55024, for use in following areas: residential, commercial and light industrial.

This product can only be used in United Kingdom.

- Audio and picture distortion may occur if this equipment is positioned in close proximity to any equipment emitting electromagnetic radiation.
- This product has been tested and found to compliant with the limits set out in the EMC Directive for using connection cables not longer than 3 metres (9.8 feet).
- Dispose of the battery properly at its end-of-life.
- In some areas the disposal of non-hazardous batteries in household or business waste may be prohibited.
- Please use the public collection system.



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



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

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.

By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.

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

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

For all other batteries, please view the section on how to remove the battery from the product safely.

Hand the battery over to the applicable collection point for the recycling of waste batteries.

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

For Customer in U.S.A.

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

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

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

All cables used to connect peripherals must be shielded and grounded. Operation with cables connected to peripherals that are not shielded and grounded may result in interference to radio and television reception.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 8 inches (20 cm) between the radiator and your body (excluding extremities: hands, wrists, feet and ankles).

This device and its antenna(s) must not be co-located or operating with any other antenna or transmitter except Grant condition.

Caution

- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

The battery used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 140°F (60°C) or incinerate. Dispose of used battery promptly. Keep away from children. Do not short circuit.

For the State of California, USA only

Perchlorate Material - special handling may apply, See

www.dtsc.ca.gov/hazardouswaste/perchlorate

Perchlorate Material: Lithium battery contains perchlorate.

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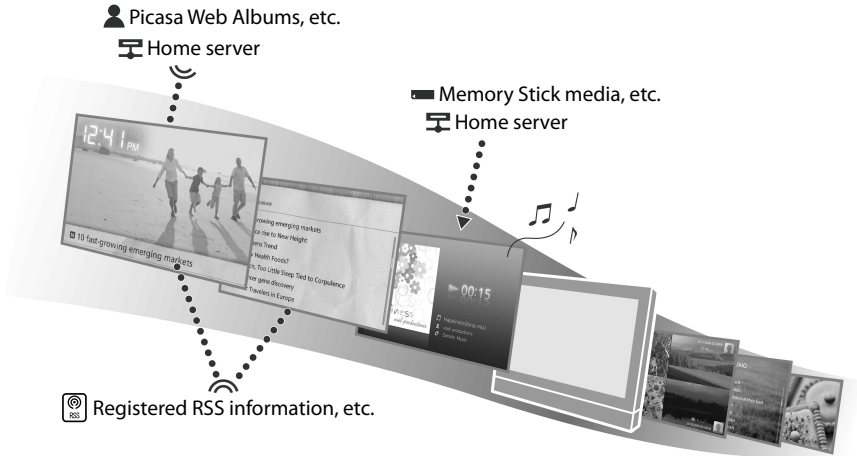
About This Unit

This unit is a Digital Photo Frame for displaying photos with Internet access.

In addition to displaying photos, you can also enjoy music and information by creating various frames (page 23).

Note

For home wireless network connection, you will need a subscription to an Internet service provider and a wireless LAN router.



You can display the following:

- Photos stored on memory cards such as Memory Sticks.
- Photos stored on your computer or home server through your wireless home network.
- Photos stored on a Web photo organizer or a home server supporting the Remote Home Access function. In order to use these functions, some network and server settings need to be configured.
- A slide show of your favorite photos, with photo effects and music.
- Photos stored on your home server supporting the Remote Home Access function - even if you are away from home.

Note

This unit cannot display movies shot by a digital camera or video camera.

You can play back music files*:

- Stored on memory cards such as Memory Sticks.
- Stored on your computer through your wireless home network.
- Various Web radio programs broadcasted by SHOUTcast (page 44).

* MP3 or WAV (LPCM) can be played in this unit.

Note

This unit cannot play back music files with copyright protection.

You can display the following information:

- News from Google News UK (U.K. model) or Google News (U.S.A model).
- The latest information from Web sites broadcasting RSS. You can register to receive RSS feeds in the Web browser (Opera) screen (page 47).

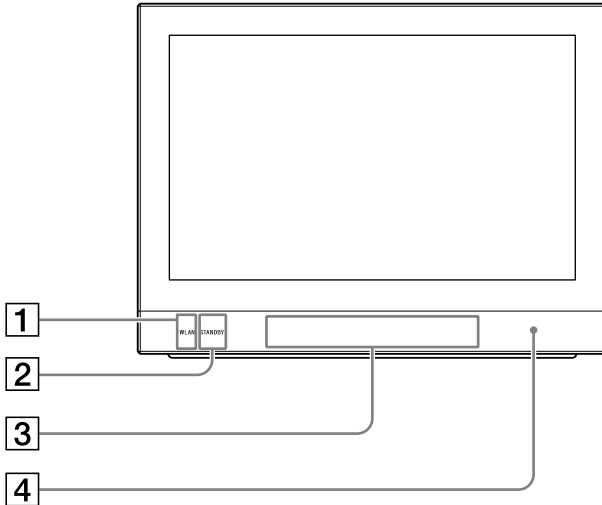
**Other uses**

If you give this unit to distant family or friends as a gift, you can send your photos to them through the Web service. First, configure the network and server settings with this unit, and save the Web photo organizer in frames, then you can view the latest photos uploaded to the Web service by switching frames with the remote control.

Illustrations and screen images in this manual may differ from the actual product.

Locating Controls and Ports

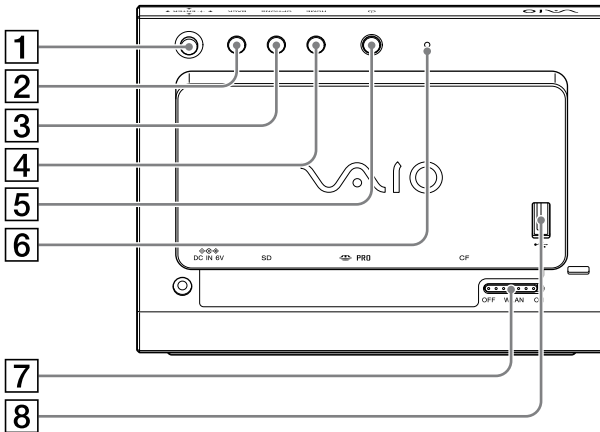
Front



- 1** **WLAN (wireless LAN) indicator**
Lights up when the wireless LAN turns on.
- 2** **STANDBY indicator**
Lights up in standby mode.

- 3** **New Info indicator**
Blinks when receiving new information. Also can be turned on as a light.
- 4** **Remote control sensor**
Receives a signal from the remote control.

Back



1 **↔↔↔↔/ENTER button**

Press to select options and enter.
While the browse screen or a screen other than the Options screen is displayed, adjust the volume by pressing **↕↕**.

2 **← BACK button**

Press to quit setting and return to the previous screen.

3 **→ OPTIONS button**

Press to display the setting screen of the current feature.

4 **⏻ HOME button**

Press to return to the Home screen.

5 **⏻ (POWER) button**

Press to turn on the power when in power off or standby mode.
Press to enter standby mode while power is turned on.

6 **Light sensor**

Detects ambient light around the unit.

💡 Hint

If you set [📱 System settings] - [Auto power on/off] to [On] in the setting screen of this unit, the power will automatically turn on or enter the standby mode according to the surrounding ambient brightness (page 62).

Note

Keep sharp objects away from the sensor.

7 **WLAN ON/OFF switch**

Press to switch ON/OFF the wireless LAN.

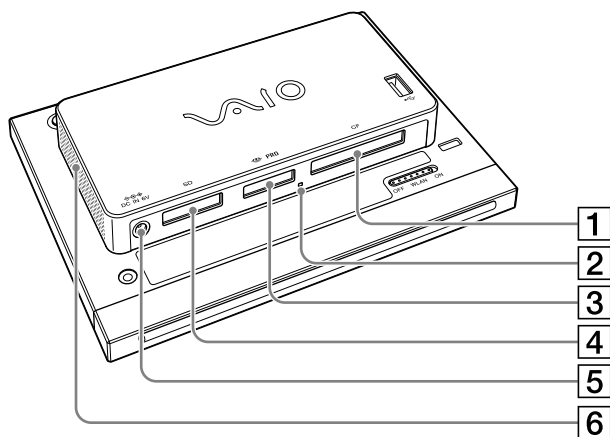
8 **🔌 (USB) connector**

Connects a digital still camera or USB memory device.

Note

A USB hub should not be connected.

Bottom




1 CF (CompactFlash) slot

Accesses CompactFlash data.

2 Media access indicator

Lights up in orange when accessing memory card data.

3  Memory Stick slot

Accesses Memory Stick, Memory Stick PRO, Memory Stick Duo or Memory Stick PRO Duo media data.

4 SD memory card slot

Accesses SD/SDHC memory card data.

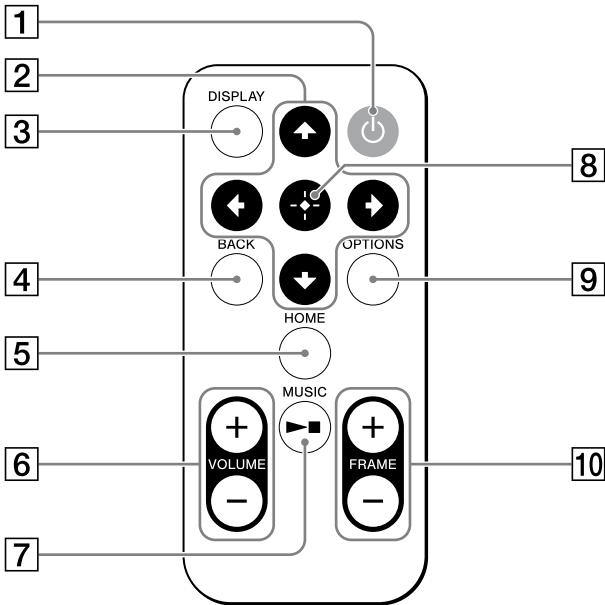
5  6V DC IN port

Connects to the AC adapter, which in turn connects to a power outlet.

6 Speakers

Outputs sound when playing back music. There is another speaker on the opposite side.

Remote Control



- 1** (POWER) button
Press to turn on the power when in power off or standby mode.
Press to enter standby mode during power on.
- 2** buttons
Press to select options in the setting screen.
- 3** DISPLAY button
Press to display the guide.
- 4** BACK button
Press to quit setting and return to the previous screen.
- 5** HOME button
Press to return to the Home screen.
- 6** VOLUME +/- buttons
Press to adjust the volume.
- 7** MUSIC/ button
Press to start / stop music playback.
- 8** (ENTER) button
Press to enter your selection.
- 9** OPTIONS button
Press to display the setting screen of the current feature.
- 10** FRAME +/- buttons
Press to switch frames.

Before Use

Checking Accessories

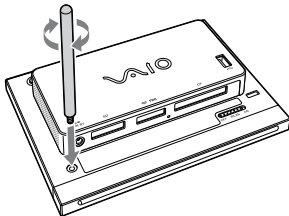
After unpacking, make sure the following accessories are supplied with your unit. If you find something missing or broken, contact a local dealer in your area.

- Digital Photo Frame
- AC adapter
- Power cord
- Remote control
- Stand
- Installation CD (U.K. model only)
- Operating Instructions (this book)
- VGF-CP1 Quick Reference Guide

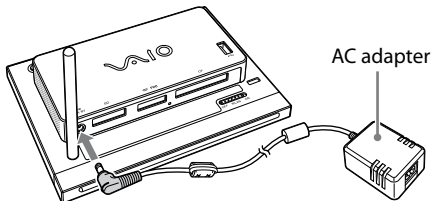
Connecting

Attach the stand to the unit and connect the AC adapter.

- 1** Attach the threaded portion of the stand to the threaded hole at the bottom left corner of the back of the unit.

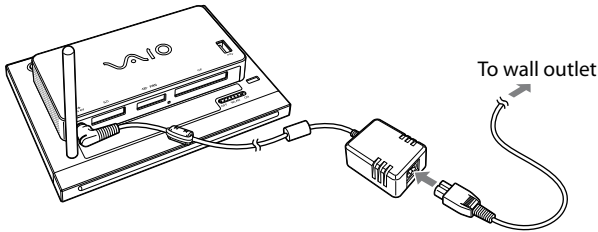


- 2** Connect the AC adapter plug to the unit.



A ferrite core is supplied with the U.K. model only.

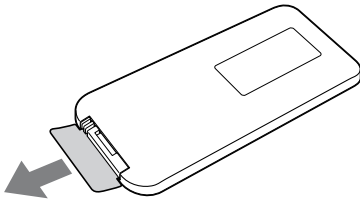
- 3 Connect the power cord to the AC adapter, then connect the power cord plug to a wall outlet.



The power turns on and the start-up screen appears.

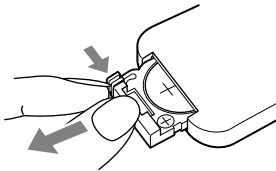
Setting up the remote control

- 1 Remove the insulation sheet from the remote control.



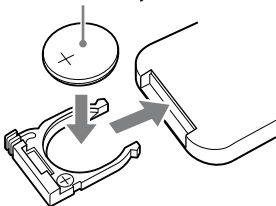
Replacing the battery

- 1 Open the battery tray.



- 2 Replace with a new CR2025 lithium battery, + side up, then reinsert the battery tray.

Lithium battery

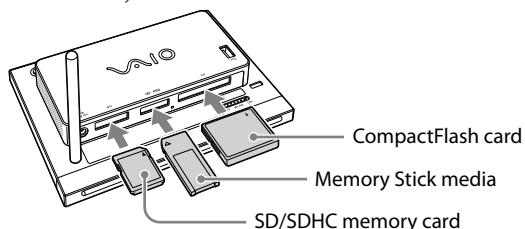


Inserting and Removing Memory Cards

You can play back photos or music stored on Memory Stick, Memory Stick PRO, Memory Stick Duo or Memory Stick PRO Duo media, or an SD/SDHC memory card, CompactFlash card or digital still camera with USB connection or USB memory device.


Inserting and removing memory cards

Insert memory cards as illustrated below.



When removing Memory Stick, Memory Stick PRO, Memory Stick Duo or Memory Stick PRO Duo media, or an SD/SDHC memory card, make sure the media access indicator is not lit. Push fully in once and pull out. When removing a CompactFlash card, make sure the media access indicator is not lit.

Attaching and detaching a USB cable or USB memory device

Insert the connector of a USB cable connected to a digital still camera or USB memory device into the  (USB) connector of this unit. Unplug the connector when not in use.

Hint

This unit is to USB mass-storage class compatible.

About compatible memory cards

You can use Memory Stick media, SD memory cards and CompactFlash cards with this unit. For details on memory card restrictions, see below.

- **Memory Stick media**

- You can use the following Memory Stick media with this unit.
Memory Stick / Memory Stick Duo / Memory Stick PRO / Memory Stick PRO Duo
- This unit has a slot for both standard / Duo-size types.
You can insert Memory Stick Duo or Memory Stick PRO Duo media directly into the Memory Stick slot without an adapter.
- Do not insert Memory Stick and Memory Stick Duo media at the same time. Improper insertion of media may damage both Memory Stick slot and media.
- This unit does not support the MagicGate feature; data with copyright protection cannot be accessed.
- This unit does not support 8-bit parallel data transfer (high speed data transfer).
- This unit has been tested and found compatible with Sony branded Memory Stick media of up to 8 GB capacity; available as of May 2008. However, not all Memory Stick media that meet these specifications are guaranteed to work.

- **SD memory card**

- This unit has been tested and found compatible only with SD memory cards of a capacity up to 2 GB, and SDHC memory cards of a capacity up to 8 GB, available as of May 2008. However, not all SD memory cards or SDHC memory cards that meet these specifications are guaranteed to work.
- The SD memory card slot on this unit does not support the copyright protection and high-speed data transfer features of SD memory cards and SDHC memory cards.

- **CompactFlash card**

You can use CompactFlash cards of Type I and Type II with capacity of up to 8 GB commercially available from May 2008. However, not all CompactFlash cards that meet specifications are guaranteed to work.

Basic Use

Turning the Power On

For the customers purchasing the U.K. model

After connecting the power cord for the first time, the screen detailing the required user registration appears. Please fill out the required contents and proceed to the following procedure.

- 1 Make sure the stand, power and remote control are ready for use by following the steps in "Connecting" (page 12).


This unit turns on after connecting the power cord.




Hint

Press  (POWER) to turn the power on when in standby mode.

To set to standby mode


- Standby Mode" reduces power consumption by deactivating the screen.
- If you set [ System settings] - [Auto power on/off] to [On] in the setting screen of this unit, the power will automatically turn on or enter standby mode according to a surrounding ambient brightness (page 62).

- 1 Press  (POWER) on the remote control pointing at the remote control sensor of this unit.

The STANDBY indicator lights up in orange and turns to standby mode.




Hint

This unit can also be set to standby mode by pressing  (POWER) on the back of this unit.

To turn off the power

The steps below show how to turn off the power to remove the AC adapter, etc.


- 1 Press  (POWER) on the back of this unit.

The STANDBY indicator lights up in orange and standby mode is set.

- 2 Press and hold  (POWER) on the back of this unit.

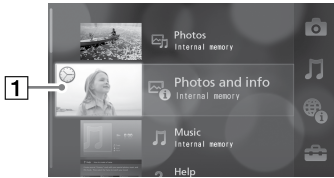
The New Info indicator blinks and turns off when the power turns off.

Note

- You cannot turn off the power by the remote control.
- Press and hold  (POWER) only when in standby mode. If you turn the power off from a mode other than standby mode, stored data may be lost.

About the Home Screen

Turning on the power opens the Home screen. All functions can be selected from the Home screen.

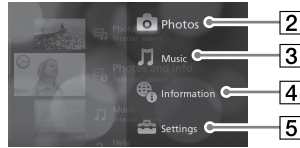


Select a frame by pressing **▲▼** and press **◆** (ENTER).

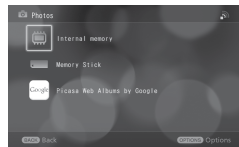


Frame playback starts.

Press **▶**.



Select desired item by pressing **▲▼** and press **◆** (ENTER).



The browse screen or setting screen appears.

1 Frame list

Displays registered frames. If Shared frames are created (page 29), **NEW** appears when new photos are uploaded.

2 Photos

Displays photo files stored in the memory or on the server. Playing a slide show, creating new frames, etc., can be performed from the Options menu (page 57).

3 Music

Plays back music stored in the memory or on the server, or radio programs from SHOUTcast. Additionally, creating a new frame, etc., can be performed from the Options menu (page 58).

4 Information

Starts the registered RSS or news provided from Google News U.K. (for U.K. model)/Google News (for U.S.A. model) can be displayed. Creating a new frame, etc., can be performed from the Options menu (page 58).

5 Settings

Configures various settings of this unit (page 60). **i** appears when update information for software is available. The information can be checked by selecting [Important messages] of [System settings] in [Settings] (page 60).

Note

The web browser equipped with this unit is for mainly checking news or registered RSS information, etc. Some web sites or flash contents may not be properly displayed or played.

Hint

While displaying photos or playing music, you can press HOME to return to the Home screen.

The HOME button does not work while the selection screen (for [Yes], [No] or [Close]) is displayed. Complete selection/confirmation, and then press HOME.

Playing Back Photos Frame of Sample Images

Frames using sample images and music pre-stored on this unit are used to demonstrate what a frame is. For details on creating or playing back a frame, see page 23, 26.

Playing back a frame of sample images and music from the Home screen

- 1 Press HOME on the remote control.

The Home screen appears.

- 2 Select a frame by pressing **▲▼** on the remote control, and press **↵** (ENTER).

The selected frame starts playing back.

Displaying Data on the Browse Screen

You can play back photos or music stored in the memory or the server, or display Internet RSS information on the browse screen. You can also create a new frame from the browse screen (page 23).

Hint

In addition to the photo browse screen explained in this section, the music browse screen to play back music files, or the information browse screen to display RSS information, are also available.

Displaying photos on Memory Stick media

As an example, the following steps show how to display photos on Memory Stick media shot by a digital still camera.

- 1 Turn the power on (page 16).

The Home screen appears.

Hint

If the Home screen does not appear, press HOME on the remote control.








2 Insert Memory Stick media into this unit (page 14).

Folders or photos on Memory Stick media appear after about 5 seconds.



Hint

If folders or photos do not appear, do the following:


- ① In the Home screen, press  on the remote control. Select  Photos by pressing , and press  (ENTER).
- ② Select  Memory Stick by pressing , and press  (ENTER).

3 Select a folder including a target photo by pressing on the remote control, and press (ENTER).



The photo list appears.

Hint

- The selected folder may contain subfolders. In this case, repeat step 3 until a target photo appears.
- If "Cannot show the server list." appears, the folder does not contain any files in a format that can be played by this unit. Press  (ENTER) to return to the previous screen.
- Photos in Web services, on other memory cards, or on computers on a home LAN can be displayed in the same way. In the case of a Web service, or a computer on a home LAN, you should configure the connection settings (page 32, 51).

4 Select a photo by pressing \uparrow \downarrow , and press \rightarrow (ENTER).



A photo is displayed.



Hint

If you insert a memory card while a screen other than the browse, Settings or Options screen is displayed, the photo (folder) list of the memory card appears.

Copying Data to the Internal Memory

You can copy photos or music stored in memory devices or in server to the internal memory of this unit.

Hint

- Approximately 85 MB of the internal memory can be spared for copying and registering photos. Up to approximately 120 photos can be registered. (The number of photos that can be registered varies according to their types.)
- Approximately 15 MB of the internal memory can be spared for copying and registering music.
- The internal memory stores some sample images and sample music. The capacity allocation will increase by deleting them. The deleted sample images and music can be restored by [ Initialization] in [ Settings] (page 60).

Note

- The registered photos and music in the internal memory cannot be moved or copied to the external memory.
- Multiple files or folders cannot be copied at the same time.
- WAV file format music cannot be copied to the internal memory.

Copying a photo to the internal memory

- 1 Display the photos or the folders including photos you are going to copy to the internal memory by following the steps in “Displaying Data on the Browse Screen” (page 18).

When you want to copy a photo, display the photo. When you want to copy a whole folder, display the folder. Note that only the photos directly under the folder will be copied and the photos in the sub folder will not be copied.

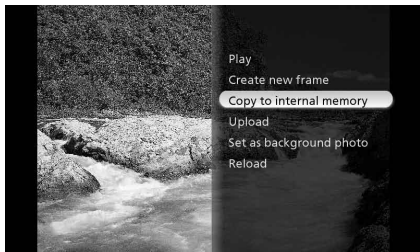
Hint

To copy music to the internal memory, follow the steps in "Playing Back Music in Memory Stick Media" (page 43) to play back music you want to copy to the internal memory. A whole folder including music cannot be copied.

2 Press **OPTIONS** on the remote control.

The options menu appears.

3 Select [Copy to internal memory] by pressing **▲▼** on the remote control, and press **↵** (ENTER).



A confirmation screen appears.

4 Select [Yes] by pressing **↔** on the remote control, and press **↵** (ENTER).



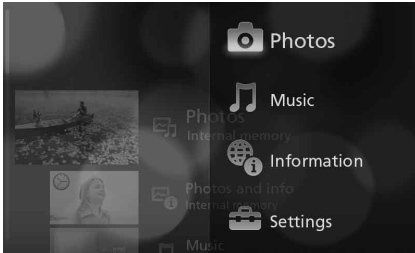
5 Press **↵** (ENTER) on the remote control.

Playing back a photo copied to the internal memory

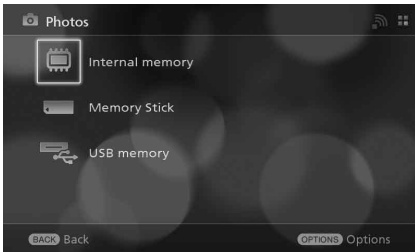
1 Press **HOME** on the remote control.

The Home screen appears.

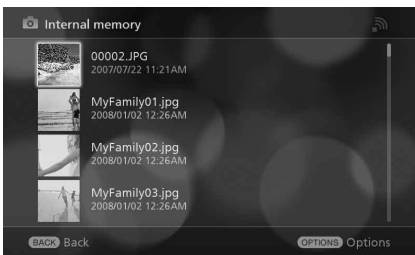
- 2 Press **▶** on the remote control and select **[Photos]** by pressing **▲▼**, and press **↵** (ENTER).



- 3 Select **[Internal memory]** by pressing **▲▼** on the remote control, and press **↵** (ENTER).



- 4 Select a photo by pressing **▲▼** on the remote control, and press **↵** (ENTER).



The selected photo is displayed.

Note

- Slide show playback cannot be performed with multiple photos optionally selected in the internal memory.
- If the aspect ratio of the copied photo differs from the one of the display of this unit, a blank space is displayed at top and bottom or left and right.
- When you operate to copy a whole folder to the internal memory, only data inside the folder is copied. The folder composition therefore will not be displayed in the internal memory.

Deleting a photo in the internal memory

Photos and music in the internal memory can be deleted in [Delete photos] or [Delete all in the folder] in the option menu (page 58).

Creating a Frame

A frame is a collection of your favorite photos or music that can be easily selected.

Once you have created several frames, you can easily change photos or music to match your mood by selecting one of the frames in the Home screen.

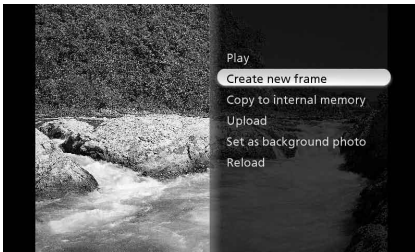
Hint

In addition to the Photos and Info frame explained in this section, you can also save Music frames to play back music files and Memories frames to display photos in order of shooting date and time. For details on other frames, see “Available Frames”(page 27).

Creating a Photos and Info frame

As an example, the following steps show how to create a “Photos and Info” frame to display photos in a folder.

- 1** Display photos in a folder to create a Photos and Info frame by following the steps in “Displaying Data on the Browse Screen” (page 18).
- 2** Press **OPTIONS** on the remote control.
The Options menu appears.
- 3** Select [Create new frame] by pressing **▲▼** on the remote control, and press **↵** (ENTER).



A confirmation screen for creating a frame appears.

Hint

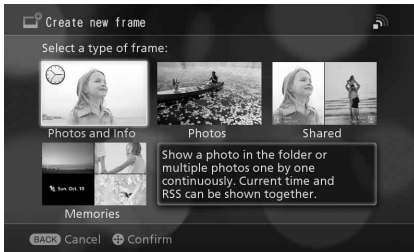
All photos in the folder storing target photo are saved in the frame.

- 4 Select [Yes] by pressing $\leftarrow\rightarrow$ on the remote control, and press \rightarrow (ENTER).



The "Create new frame" screen appears.

- 5 Select [Photos and Info] by pressing $\uparrow\downarrow\leftarrow\rightarrow$ on the remote control, and press \rightarrow (ENTER).



The "Create Photos and info frame" screen appears.

Hint

In addition to the Photos and Info frame, you can select a Photo frame (page 28), a Shared frame (page 29) or a Memories frame (page 29). However, the Shared frame can be selected only when displaying photos in the Web server on the Internet in step 1.

- 6 Press \rightarrow on the remote control.



A setting screen to display information appears.

Hint

You can set the style, order and interval for displaying photos in the Photos and Info frame. To change the settings, select the desired setting by pressing $\uparrow\downarrow$ on the remote control and press \rightarrow (ENTER), then select the desired option by pressing $\uparrow\downarrow$ and press \rightarrow (ENTER).

7 Press **▶** on the remote control.



A confirmation screen for the selected settings appears.

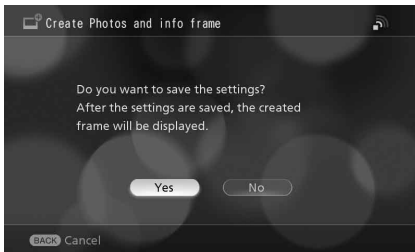
Hint

The selection to display news information provided from Google News U.K. (for U.K. model)/Google News (for U.S.A. model) or a registered RSS item in the Photos and Info frame can be set in this screen. Press **▶** on the remote control to select other settings (if desired) and press **↵** (ENTER), then select the desired option by pressing **▶** and press **↵** (ENTER).

Note

To display News, set up a wireless network before connecting the unit to the Internet. For details, see “Connecting to a Wireless Network” (page 51).

8 Select [Yes] by pressing **◀▶** on the remote control, and press **↵** (ENTER).




The Photo and Info frame created with the selected settings appears.

Playing Back a Frame

You can play back saved frames from the Home screen, or change frames to another frame by pressing FRAME on the remote control.

Hint

You can change the thumbnail displayed in the HOME screen to a desired photo in the frame. During playback of a frame, press OPTIONS during playback of the photo to be used for the thumbnail to select [Capture frame screen], and press  (ENTER).

Playing back a frame from the Home screen

1 Press HOME on the remote control.

The Home screen appears.

2 Select the desired frame by pressing on the remote control, and press (ENTER).

The selected frame starts playing back.

Hint

- You can play back the frame by pressing FRAME while displaying a screen other than a frame.
- The operation guide for frames can be displayed by pressing DISPLAY repeatedly.

Changing a frame

You can change a frame to another frame during playback.

1 Press FRAME on the remote control.

Press FRAME + to change to the next frame up in the frame list in the Home screen. Press FRAME – to change to the next frame down in the frame list.

Hint


You can re-arrange the frame order or delete unnecessary frames in the Home screen (page 59).

Available Frames


You can choose from 8 frame types, and save up to 20 frames.

About the icons in this section

 : Data in the internal memory can be used.

 : Data on memory cards can be used.

 : Data in the Web service can be used (Internet connection necessary).

 : Data sent from the home server supported by the Remote Home Access function can be used (Internet connection necessary).

 : Data sent from a server using software such as "VAIO Media" can be used (Home LAN connection necessary).

 : Information such as news on the Internet can be displayed (Internet connection necessary).

Frame Created from Photo Browse Screen

From the photo browse screen, you can create 4 types of frames for decorating photos in various ways. To create a frame, select the desired photo file or folder from the photo browse screen, and select [Create new frame] in the Options menu (page 57).

Hint

- If a folder is selected from the list when creating a frame, all photos in the folder currently selected up to the 4th level folder will be displayed in the frame.
- If you have created a frame in the window displaying a photo, only photos in the folder where the photo is stored will be displayed in the frame (photos in the sub folder will not be displayed).
- If you select a photo from the server using "VAIO Media" software or in home access when creating a frame, only photos in the folder where the photo is stored will be displayed in the frame (photos in the sub folder will not be displayed).

Photos and Info frame / / / / /

Displays a photo or photos in a specified folder one after another.

You can also display the current time or registered RSS information with the photos.



Hint

Each time you press DISPLAY, the display changes as follows:

“Photo with analog clock” → “Photo with digital clock” → “Photo only” → “Photo with guide” → “Photo with analog clock”...

For details on clock setting, see page 61.

Photos frame / / / /

Displays photos in a specified folder one after another with photo effects. You can also play back music together with your photos by selecting a music file in the internal memory.



Hint

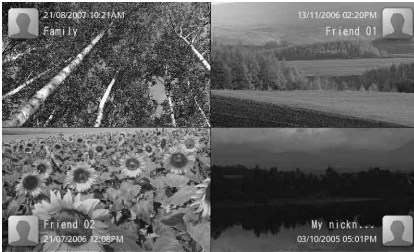
You can set the transition speed for displaying photos in [Frame settings] (page 57).

Note

- If you change music to [Not specified] in the Options menu while displaying a Photos frame, changes will be applied the next time you play back frame.
- When playing a Photos frame, the first photo may be repeatedly displayed.
- When playing a Photos frame, the first photo in the Web service may take time to display.
- Photos in the Web service may not be displayed due to slow connection speeds or excessive Internet activity.

Shared frame

Displays photos uploaded to the Web photo organizer by members at the same time. Information from members, such as friends or family, can be shared by displaying respective photos at the same time.



Hint

- Up to 4 members can be registered for 1 Shared frame.
- You can set the style, order and interval for displaying photos in [Frame settings] (page 57).
- When new photos are uploaded to a Web server, **NEW** is displayed on the Home screen and the New Info indicator lights up (page 8, 62). **NEW** is displayed to members while displaying Shared frames. **NEW** disappears when changing photos by \leftrightarrow on the remote control.
- Each time you press DISPLAY, the display changes as follows:
"Photo with face icon" → "Photo only" → "Photo with guide" → "Photo with face icon"...

Note

- It may take some time to display the first photo after starting the Shared frame.
- Depending on the number of photos in the folder, it may take some time to display the first photo.
- The more members (up to 4) sharing the folder at the same time, the longer it takes to display the first photo.
- Photos in the Web photo organizer may not be displayed due to slow connection speed or excessive Internet activity.

Memories frame /

Displays photos shot or updated within one month from today in the specified folder at random. Photos shot in "this time some years ago" may be displayed since this unit displays photos regardless of shooting year. You can recall the days the photos were shot.



Hint

- You can set the screen separation, style and interval for displaying photos in [Frame settings] (page 57).
- It is recommended to store as many photos in a single folder as possible.

Frame Created from Music Browse Screen

In the music browse screen, you can easily create frames to continually play back selected music files or desired web radio stations of SHOUTcast.

To create a frame, select the desired music file or folder from the music browse screen, or the desired web radio station, and select [Create new frame] in the Options menu (page 57).

Music frame / /

Continuously play back your favorite music or desired web radio station of SHOUTcast.



Hint

- Only the sleeve images of ID3 tag on music can be displayed.
- To stop playing music, press  on the remote control.

Frame Created from Information Browse Screen

In the information browse screen, you can create frames to display information, such as news from an RSS site.

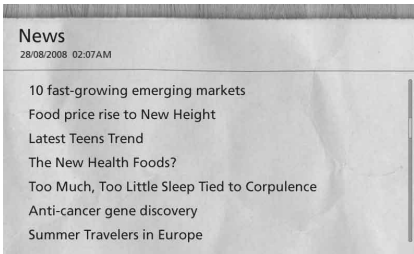
To create a frame, select the desired RSS from the information browse screen, and select [Create new frame] in the Options menu (page 57). Up to 3 types of frame are available depending on the RSS.

Hint

The release date of the latest information from a Web site sending RSS feeds is displayed under each frame title (RSS name).

News frame

Displays RSS information provided from Google News U.K. (for U.K. model)/Google News (for U.S.A. model).



Hint

You can set the background design in [Frame settings] (page 57).

RSS frame

Displays information from RSS feeds to which you are registered.



Hint

- For details on RSS registration, see "Registering RSS" (page 47).
- You can set the background design in [Frame settings] (page 57).

Example 1: Using [Picasa Web Albums by Google]

“Picasa Web Albums by Google” is a Web service on the Internet provided from Google. With this wireless device, you can display photos on the Internet or upload photos to the Internet using “Picasa Web Albums by Google”.

This section shows how to use “Picasa Web Albums by Google.”

Note

For Internet Web services, restrictions, such as the number of photos you can store, may be changed without notice. Check the Web site of the Web service for the latest information.

Obtaining an Account for “Picasa Web Albums by Google”

You need a computer in order to set up your account.

Apart from having a Google account, you must register for the Picasa Web Albums.

If you already have an account for Picasa Web Albums for Google, proceed to “Logging in to Picasa Web Albums by Google” (page 33).

Hint

For details on “Picasa Web Albums by Google,” see Google help.

■ Without a Google account

1 Go to <http://www.google.com>.

2 Click [more]-[Photos].

The log-in screen for “Picasa Web Albums by Google” appears.

3 Click [Create a new Google Account].

The Create a new Google Account screen appears.

4 Create a Google account and register for “Picasa Web Albums by Google” by following the on-screen instructions.

After creating a Google account and completing user registration for “Picasa Web Albums by Google,” proceed to “Logging in to Picasa Web Albums by Google” (page 33).

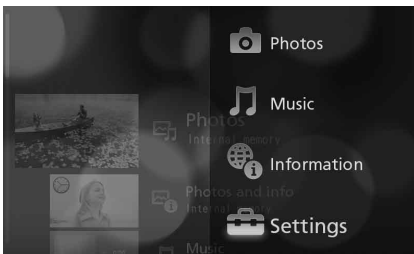
■ With a Google account

- 1** Go to <http://www.google.com>.
- 2** Click [more]-[Photos].
The log-in screen for “Picasa Web Albums by Google” appears.
- 3** Enter [Email] and [Password], and click [Sign in].
The user registration screen for “Picasa Web Albums by Google” appears.
- 4** Register for “Picasa Web Albums by Google” by following the on-screen instructions.
After completing the user registration for “Picasa Web Albums by Google,” proceed to “Logging in to Picasa Web Albums by Google.”

Logging in to “Picasa Web Albums by Google”

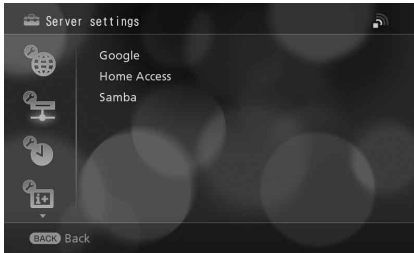
In order to log in, you need a wireless network connection.
For details, see “Connecting to a Wireless Network” (page 51).

- 1** Press HOME on the remote control.
The Home screen appears.
- 2** Press **➔** on the remote control, select [🗑️ Settings] by pressing **⬆️** and press **↵** (ENTER).



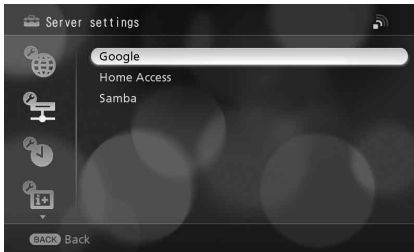
The Settings screen appears.

- 3** Select [Server settings] by pressing **▲▼** on the remote control, and press **↵** (ENTER).



The Server settings screen appears.

- 4** Select [Google] by pressing **▲▼** on the remote control, and press **↵** (ENTER).



The account setting screen to connect to "Picasa Web Albums by Google" appears.

- 5** Enter the e-mail address and password for the Google account, and enter the user name for "Picasa Web service" if required.

Note

If the e-mail address at the account registration is Gmail, do not enter the user name for "Picasa Web Albums," but enter the e-mail address and password for the Google account.

6 Press BACK on the remote control.



The confirmation screen for testing the server connection appears.

7 Select [Yes] by pressing \leftrightarrow on the remote control, and press \rightarrow (ENTER).



If the connection test is successful, the complete screen appears.

Hint

If the connection test fails, double-check the e-mail address and password for the Google account and the user name for "Picasa Web Service," and repeat from step 5. In addition, see "Troubleshooting" (page 63).

Uploading Photos to "Picasa Web Albums by Google" from This Unit

Photos stored on memory cards, such as Memory Stick media can be uploaded to "Picasa Web Albums by Google." This section shows how to upload photos on Memory Stick media inserted into this unit.

Hint

- When uploading photos stored on a computer, see the Picasa Web Albums by Google online help.
- Photos uploaded from this unit are registered as "Unlisted." To share the photo with others, you must change it to "Listed." Some operations are necessary in a computer in order to do this. For details, see the Picasa Web Albums by Google online help.

Uploading photos on Memory Stick media

- 1 Display the desired folder or photo to upload by following the steps in “Displaying Data on the Browse Screen” (page 18).

If you want to upload only a photo, display the photo you want to upload. To upload a whole folder, select the folder. If you have selected a folder, photos only in the selected folder are uploaded, and photos in the sub folders are not.

- 2 Press **OPTIONS** on the remote control.

The Options menu appears.

- 3 Select **[Upload]** by pressing **▲▼** on the remote control, and press **-◆-** (ENTER).



The confirmation screen for uploading appears.

- 4 Select **[Yes]** by pressing **◀▶** on the remote control, and press **-◆-** (ENTER).



The album selection screen for uploading appears.

5 Select the desired album to upload photos by pressing $\uparrow\downarrow$ on the remote control, and press \rightarrow (ENTER).

When uploading a folder, it is not necessary to select an album.



"Uploading... Please wait" appears, then the complete screen appears.

Hint

In the case of uploading a photo, if an album is not created in "Picasa Web Albums by Google", create a "Digital Photo Frame" album automatically, then upload. In the case of uploading a whole folder, create an album named the same with the folder automatically, then upload.

Displaying Photos from "Picasa Web Albums by Google"

You can display photos uploaded to "Picasa Web Albums by Google", or photos from members sharing albums.

Hint

For sharing albums on "Picasa Web Albums by Google," see help of "Picasa Web Albums by Google."

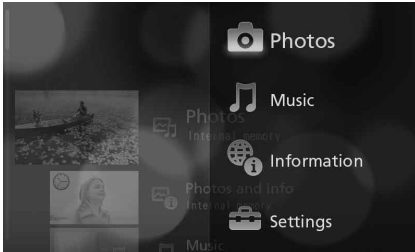
Note

- It may take some time to display uploaded photos.
- Displaying thumbnail images in the photo browse screen may take time.
- Photos on "Picasa Web Albums by Google" may not be displayed due to slow connection speed or excessive Internet activity.

1 Press HOME on the remote control.

The Home screen appears.

- 2 Press **▶** on the remote control, select [**📷 Photos**] by pressing **▲▼**, and press **-⏏-** (ENTER).



The server list appears.

- 3 Select [**📷 Picasa Web Albums by Google**] by pressing **▲▼** on the remote control, and press **-⏏-** (ENTER).



Your nickname on "Picasa Web Albums by Google" or the nicknames of members sharing albums appear.

- 4 Select your nickname by pressing **▲▼** on the remote control, and press **-⏏-** (ENTER).



The album list appears.

Hint

To display photos of members sharing albums, select member nicknames.

- 5** Select the desired album containing target photos by pressing **▲▼** on the remote control, and press **-♦-** (ENTER).



The photo list appears.

- 6** Select the desired photo by pressing **▲▼** on the remote control, and press **-♦-** (ENTER).



The selected photo is displayed.

Hint

You can create shared frames (page 29) by using photos on "Picasa Web Albums by Google."

Members sharing albums can be added to the Shared frames (page 58).

To add photos of others to the Shared frames, you need to register the photos to "Favorite" in "Picasa Web Albums by Google." For details on registering, see the Picasa Web Albums by Google online help.

Example 2: Displaying Photos Stored on Your Computer

By using your computer with VAIO Media as your server, you can display photos on the computer on your wireless frame.

Hint

To use your computer as a server, you should connect your wireless frame to your wireless home network. For details, see "Connecting to Wireless Network" (page 51).

Setting up a Server

Set a computer to work as a server.

Note

- To connect a computer as a server to the same LAN as this unit, registration is required.
- Registering the computer as a server requires logging on as a user with administrator privileges, such as "Computer administrator." For details, see "VAIO Media help."

Hint

For further details on operations and the settings of "VAIO Media," see "VAIO Media help."

Starting VAIO Media Integrated Server

- 1 Click [Start] on the computer, then click [All Program]-[VAIO Media]-[Server Administration]-[VAIO Media Server Settings].

[VAIO Media Server Settings] starts up.

- 2 Click [VAIO Media Integrated Server], then click [Start] if [Start/Stop server] is in [Stop] status.

VAIO Media Integrated Server starts.

Accessing to the computer

- 1 Click [Start] on the computer, then click [All Program]-[VAIO Media]-[Server Administration]-[VAIO Media Server Settings].

[VAIO Media Server Settings] starts up.

- 2 Click [Access control settings.], then click [Allow other devices on your network to access this computer.].

The [IMPORTANT] window appears.

- 3 Confirm the contents in the window, and click [OK].

Displaying Photos on a Computer Set to Use with This Unit

- 1 Press HOME on the remote control.

The Home screen appears.

- 2 Press **▶** on the remote control, select **[📷 Photos]** by pressing **▲▼**, and press **↵** (ENTER).



The server list appears.

Note

Displaying the computer set for use with this unit on the list may take time. If a server list is not displayed, press OPTIONS on the remote control, select [Update information] by pressing **▲▼**, and press **↵** (ENTER). The server list will be renewed.

- 3 Select the desired server containing target photos by pressing **▲▼** on the remote control, and press **↵** (ENTER).



Folders or photos on the server appear.

Hint

If the server does not appear, refer to "A server using software such as "VAIO media" is not displayed in the list" of "Troubleshooting" on page 63.

4 Select the folder including the target photo by pressing **▲▼** on the remote control, and press **-◆-** (ENTER).

The photo list appears.

 **Hint**

- The selected folder may contain subfolders. In this case, repeat step 4 until the target photo appears.
- If [Cannot show the server list] appears, press **-◆-** (ENTER) to return to the previous screen.

5 Select the photo by pressing **▲▼** on the remote control, and press **-◆-** (ENTER).

The photo is displayed.

Example 3: Listening to Music or Web Radio Program

Music and Web radio program of SHOUTcast can be played back in this unit. You can utilize the unit not only as a photo display but also as a music player.

Playing Back Music in Memory Stick Media

The steps below are an example of how to play back a music file stored in Memory Stick media. MP3 or WAV (LPCM) can be played in this unit.

1 Insert a Memory Stick with a music file in the slot. (page 14)

The folders or photos stored on the Memory Stick media will be displayed after approximately 5 seconds.



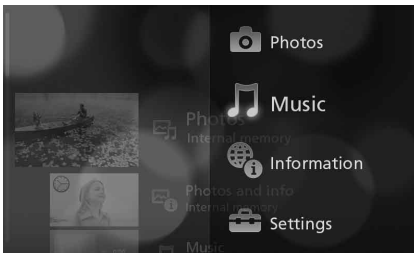
Hint

If "Cannot show the server list" appears, press \leftarrow (ENTER) and go to step 2.

2 Press HOME on the remote control.

The HOME screen appears.

3 Press \rightarrow on the remote control, select [🎵 Music] by pressing $\uparrow\downarrow$, and press \leftarrow (ENTER).



4 Select [📁 Memory Stick] by pressing $\uparrow\downarrow$ on the remote control, and press \leftarrow (ENTER).



- 5** If the music file you want to play is inside a folder, select the folder by pressing **▲▼** on the remote control, and press **-♦-** (ENTER).

The music file list is displayed.

💡 Hint

- Another folder may be displayed. In this case, repeat step 5 until the contents including the music you want to play are displayed.
- If "Cannot show the server list" appears, the folder does not contain any files in a format that can be played by this unit. Press **-♦-** (ENTER) to return to the previous display.

- 6** Select the music by pressing **▲▼** on the remote control, and press **-♦-** (ENTER).

The music is played back.

💡 Hint

Only the jacket photo of ID3 tag can be displayed.

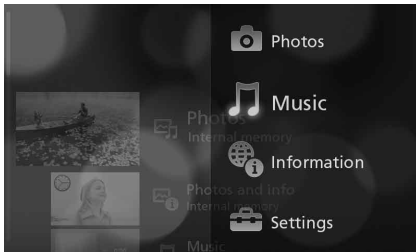
Playing Back Web Radio Station of SHOUTcast

To use SHOUTcast in this unit, it must be connected to a wireless network. For details, refer to "Connecting to a Wireless Network" (page 51).

- 1** Press **HOME** on the remote control.

The HOME screen appears.

- 2** Press **➡** on the remote control, select [🎵 Music] by pressing **▲▼**, and press **-♦-** (ENTER).

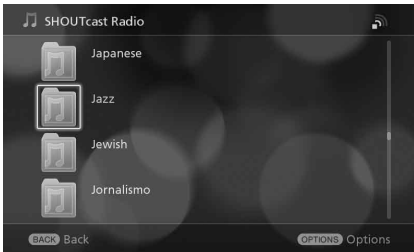


- 3** Select [SHOUTcast Radio] by pressing **▲▼** on the remote control, and press **↵** (ENTER).



The genre list of Web radio appears.

- 4** Select a genre by pressing **▲▼** on the remote control, and press **↵** (ENTER).



The Web radio stations list appears.

- 5** Select a Web radio station, and press **↵** (ENTER).



The Web radio station is played back.

Hint

By creating a music frame in a desired Web radio, it can be easily played back from HOME screen. To create the music frame, go to step 6.

Note

A tune in SHOUTcast cannot be copied to the internal memory.

6 Press **OPTIONS** on the remote control.

The Options menu appears.

7 Select **[Create new frame]** by pressing **▲▼** on the remote control, and press **-♦-** (**ENTER**).



A confirmation screen for creating a frame appears.

8 Select **[Yes]** by pressing **←→** on the remote control, and press **-♦-** (**ENTER**).

9 Press **-♦-** (**ENTER**) on the remote control.

The created music frame is played back.

To play back the created frame from the Home screen, refer to "Playing Back a Frame" on page 26.

Example 4: Registering RSS

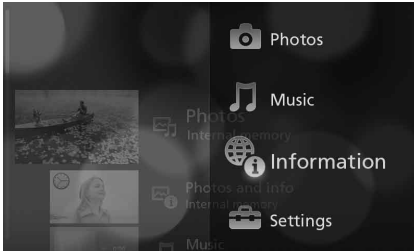
By registering to Internet RSS feeds, you can easily browse the RSS information.

Registering RSS

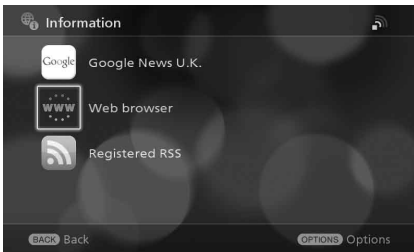
1 Press HOME on the remote control.

The Home screen appears.

2 Press **→** on the remote control, select [Information] by pressing **↑↓**, and press **↵** (ENTER).



3 Select [Web browser] by pressing **↑↓** on the remote control, and press **↵** (ENTER).



The Web browser (Opera) starts.

4 Display the URL of the RSS site to be registered on the Web browser.

💡 "Hint

If you cannot find out the desired URL from the link, select [Input address] of the Options menu, press **↵** (ENTER), and input the desired URL directly.

- 5 Press **OPTIONS** on the remote control to display the Options menu, select [Register RSS] by pressing **▲▼** and press **-◆-** (ENTER).

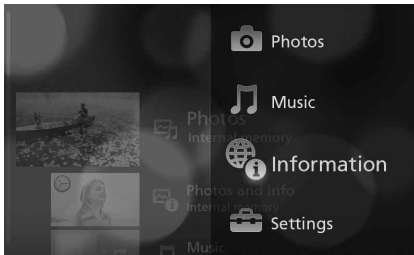
The registered RSS is displayed on a list on the [Registered RSS] screen of the information browser.

Displaying the Registered RSS

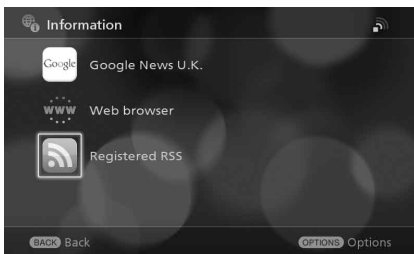
- 1 Press **HOME** on the remote control.

The Home screen appears.

- 2 Press **▶** on the remote control, select [**Information**] by pressing **▲▼**, and press **-◆-** (ENTER).



- 3 Select [Registered RSS] by pressing **▲▼** on the remote control, and press **-◆-** (ENTER).



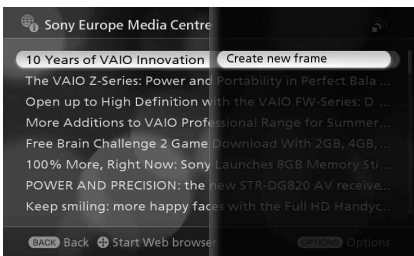
The list of registered RSS appears.

- 4 Select an RSS you want to browse by pressing **◀▶** on the remote control, and press **-◆-** (ENTER).

RSS information appears.

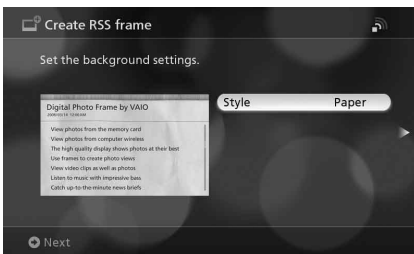
Creating RSS Frame

- 1 Follow the steps of "Displaying the Registered RSS" (page 48) to display the RSS to be a frame.
- 2 Press **OPTIONS** on the remote control.
The Options menu appears.
- 3 Select [Create new frame] by pressing **▲▼** on the remote control, and press **↵** (ENTER).



A confirmation screen for creating a frame appears.

- 4 Select [Yes] by pressing **◀▶** on the remote control, and press **↵** (ENTER).
Background setting screen appears.
- 5 Press **▶** on the remote control



A confirmation screen for saving the setting contents appears.

Hint

The background or RSS frame can be set here. To change the initial one, press **↵** (ENTER) on the remote control, select a background by pressing **▲▼**, and press **↵** (ENTER).

6 Select [Yes] by pressing ◀▶ on the remote control, and press -♦- (ENTER).

The created RSS frame is played back.

To play back the created RSS frame from the Home screen, refer to "Playing Back a Frame" on page 26.

Connecting to a Wireless Network

By connecting this unit to a wireless network or the Internet, you can play back photos or music stored on a computer or in a Web photo organizer on the Internet.

Hint

- The reception icon is displayed when the information bar is at the top of the screen. The reception icon shows the strength of the network signal, many bars around the antenna show a stronger signal.



- To connect to a wireless network, the WLAN ON-OFF switch must be set to ON. The factory default setting is ON.

Note

In order to set up your home wireless network connection, you need a wireless LAN router and a subscription to an Internet service provider.

Checking the Type of Access Points










If the access point device (wireless LAN router) supports AOSS, see "Setting with AOSS." Otherwise, see "Setting Manually" (page 54).

About AOSS

AOSS™ (AirStation One-Touch Secure System) is a technology developed by Buffalo Technology. The wireless LAN can be connected with an one-touch operation, and security is set automatically.

Setting with AOSS

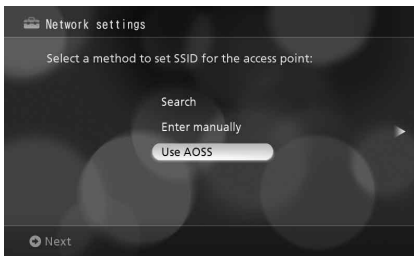
If you use an access point that supports AOSS, set by the following steps.

- 1 Press HOME on the remote control.
- 2 Press  on the remote control, select [ Settings] by pressing , and press  (ENTER).
- 3 Select [ Network settings] by pressing  on the remote control, and press  (ENTER).
The Network settings screen appears.
- 4 Select [Select a connection] by pressing  on the remote control, and press  (ENTER).

- 5 Select [New connection] by pressing **▲▼** on the remote control, and press **↵** (ENTER).



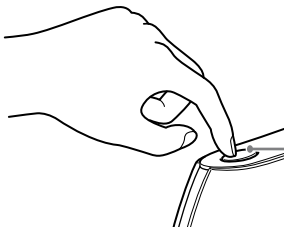
- 6 Select [Use AOSS] by pressing **▲▼** on the remote control, and press **↵** (ENTER).



Reception of AOSS setting starts.

- 7 Press and hold the AOSS button on the device until the access point indicator blinks.

- Access point device

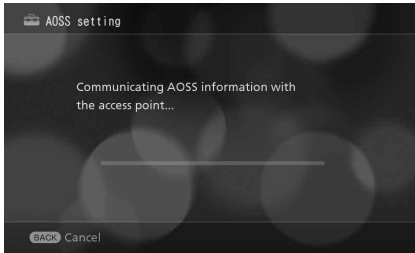


Press and hold the AOSS button until the access point indicator blinks.

Hint

For details on the AOSS button or indicator, see the operating instructions supplied with the access point device (wireless LAN router).

- Screen of this unit

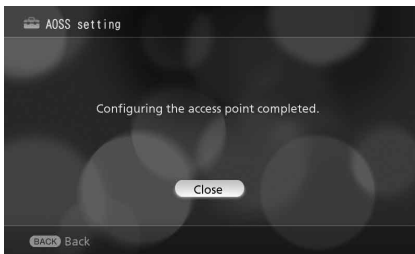


“Communicating AOSS information with the access point...” appears.

Note

- An access point with a concealed setting may not be detected. In this case, select “Enter manually” in step 6, and follow the on-screen instructions.
- The AOSS setting will be canceled automatically if the access point cannot be found within 2 minutes of initiating reception. Cancellation of the process may take about 1 minute, depending on the network status. In this case, wait a moment.

8 Confirm that “Configuring the access point completed” is displayed.



9 Press \rightarrow (ENTER) on the remote control.

The setting screen for Proxy appears.

10 If a Proxy setting is unnecessary, press \rightarrow on the remote control to proceed to the next step.

The connection name is displayed.

Hint

If Proxy setting is necessary, press \rightarrow (ENTER) on the remote control and select “Use” by pressing \uparrow , and press \rightarrow (ENTER). Then set the address and port number of the Proxy server.
For home use, Proxy setting is usually unnecessary. If Proxy setting is required, consult the administrator of the home network or your Internet service provider.

11 If the connection name is unnecessary to change, press **➡** on the remote control to proceed to the next step.

The confirmation screen for settings appears.



Hint

Normally it is unnecessary to change the connection name.

12 Confirm the setting, and press **➡** on the remote control to proceed to the next step.

13 Select [Yes] by pressing **↔** on the remote control, and press **↵** (ENTER).

Connection to the access point is confirmed. When connected properly, "Network connection completed" is displayed.

Setting Manually

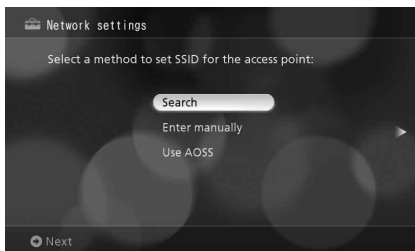
If the access point device does not support AOSS, or AOSS does not work properly, set manually by the following steps.

1 Confirm the access point information.

Confirm the following information. For details on the access point device (wireless LAN router), see the operating instructions supplied with the access point device, or consult the access point provider.

- SSID
Identification for the access point.
- Security type
Security type depends on the access point. With this unit, [None], [WEP], [WPA-PSK (TKIP)], [WPA-PSK (AES)] can be selected.
- Encryption key
WEP key or WPA key is required depending on the selected security type.

2 Display the screen below by following steps 1 to 5 in "Setting with AOSS" (page 51).

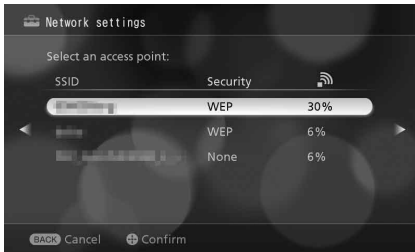


- 3** Select [Search] by pressing **▲▼** on the remote control, and press **↵** (ENTER).



A list of available access points is displayed.

- 4** Select an access point by pressing **▲▼** on the remote control, and press **▶** to proceed to the next step.



The confirmation screen for SSID appears.

💡 Hint

If several access points are displayed, select SSID of the access point in use.

- 5** Press **▶** on the remote control to proceed to the next step.

The selection screen for the security type appears.

- 6** Select the security type by pressing **▲▼** on the remote control, and press **▶** to proceed to the next step.

Select the security type confirmed in step 1.

If selecting other than [None], the screen to enter the WEP key or WPA key appears.

💡 Hint

When selecting [None], proceed to step 12.

- 7** Press **↵** (ENTER) on the remote control to display the software keyboard, enter the WEP key or WPA key, and press **↵** (ENTER).

Enter the password confirmed in step 1.

8 Press **➔** on the remote control to proceed to the next step.

The selection screen for address settings appears.

9 Select [Easy] by pressing **⬆️⬆️** on the remote control, and press **➔** to proceed to the next step.

The setting screen for the connection name appears.

 **Hint**

Select [Custom] to manually set information, such as the IP address.

10 If it is unnecessary to change the connection name, press **➔** on the remote control to proceed to the next step.

The confirmation screen for settings appears.

 **Hint**

Normally it is unnecessary to change the connection name.

11 Confirm the setting, and press **➔** on the remote control to proceed to the next step.

12 Select [Yes] by pressing **⬅️➔** on the remote control, and press **-♦-** (ENTER).

Connection to the access point is confirmed. When connected properly, "Network connection completed" is displayed.

Options Menu List

You can display the Options menu by pressing OPTIONS while a screen is displayed.

Home screen

Status	Options/Descriptions
During frame selection	<ul style="list-style-type: none">• [Move up][Move down][Move to top][Move to end]: Rearranges the frame order in the list by moving the selected frame.• [Delete frame]: Deletes the frame currently selected.
During music playback	<ul style="list-style-type: none">• [Track being played]: Displays the music browse screen of the music being played.

Frame screen

Status	Options/Descriptions
While displaying frame	<ul style="list-style-type: none">• [Frame settings] (except for Music frame): Configures the various settings for frames.• [Capture frame screen]: Stores the desired display playing back by the frame playback as a thumbnail, and displays it in the frame list of Home screen.• [Delete from shared frame]: Deletes members registered in the shared frame currently being played.• [Start Web browser] (Photos and Info frame only): Displays Google News U.K. (for U.K. model)/Google News (for U.S.A. model), or the registered RSS.

Browse screen

Status	Options/Descriptions
While photo browsing	<ul style="list-style-type: none">• [Update information]: Updates the list of external memory or servers.• [Connection test]: Performs the connection test for memory or servers.• [Play]: Plays all photos in the folder currently selected as a slide show (Background music cannot be selected).• [Create new frame]: Creates a new frame to display photos.• [Copy to internal memory]: Copies the selected folder or the currently playing photo to the internal memory. For details, refer to "Copying Data to the Internal Memory" (page 20).• [Upload]: Uploads folders or photos in the external memory to the Web service on the Internet.


Status	Options/Descriptions
While photo browsing	<ul style="list-style-type: none"> • [Set as background photo]: Sets the photo currently displayed to the background image of the Home screen or Settings screen. • [Add to shared frames]: Adds members (folders) currently selected to the created Shared frame. • [Delete photos]: Deletes a photo in the internal memory. (Multiple photos cannot be deleted at the same time.) • [Delete all in the folder]: Deletes all photos in the internal memory. • [Reload]: Reloads the displayed photo. <p>When displaying photos on this unit, photo data will be stored in cache memory temporarily. If a photo is recognized as unknown data, it may be displayed as unknown data next time.</p> <ul style="list-style-type: none"> – “Not Authorized” is displayed immediately after uploading photos to the Internet Web service. – Despite rotating a photo in the Internet Web service, the photo is displayed not rotated. – The correct photo is not displayed after assigning the identical file name to another photo. <p>In these cases, perform [Reload].</p>
While music browsing	<ul style="list-style-type: none"> • [Update information]: Updates the list of external memory or servers. • [Connection test]: Performs a connection test for memory or servers. • [Create new frame]: Creates a new frame to play a music file. • [Copy to internal memory]: Copies the currently playing music file to the internal memory. For details, refer to “Copying Data to the Internal Memory” (page 20). • [Delete track]: Deletes a music file in the internal memory. (Multiple music files cannot be deleted at the same time.)
While information browsing	<ul style="list-style-type: none"> • [Connection test]: Performs a connection test for the wireless network. • [Delete RSS]: Deletes a registered RSS from the list. • [Create new frame]: Creates a new frame to display RSS information.

Web browser (Opera) screen

Status	Options/Descriptions
While displaying Web browser (Opera)	<ul style="list-style-type: none"><li>• [Input address]: Displays the Web site by entering the address directly.<li>• [Bookmarks]: Displays the target Web site from the bookmark list. You can add/delete up to 20 favorite sites in the bookmark list.<li>• [Zoom]: Zooms in/out the Web site.<li>• [Register RSS]: Registers a URL as RSS (up to 20) if the Web site currently displayed is RSS. The registered RSS is displayed in the list on the [Registered RSS] screen of the information browse screen.<li>• [Delete cookies]: Deletes all cookies.<li>• [Exit Web browser]: Closes the Opera browser.

Settings Menu

You can make more detailed settings in the Settings screen.

You can display the Settings screen by pressing **➔** in the Home screen, selecting [ Settings] by pressing **⬆**, and pressing **↵** (ENTER).

Network settings

Item	Options/Description
Select a connection	Selects a registered wireless LAN connection from a list. Or creates a new wireless LAN connection (page 51). You can set up to 5 wireless LAN connections.
Edit connection settings	Edits created wireless LAN connection settings, or selects a new wireless LAN connection (page 51). You can set up to 5 wireless LAN connections.
Delete a connection	Deletes a created wireless LAN connection from the list.

Server settings

Item	Options/Description
Google	Sets up an account for connecting to Web services. Enter the account information of your computer (page 32).
Remote Home Access	Sets up an account for the Remote Home Access server (up to 5 accounts).

Date and time settings

Item	Options/Description (underlined option is the default setting)
Set Manually	Sets up the date and time manually.
Set automatically	Connects to the Internet time server and updates the date and time automatically when set to [On]. You can also change the Internet time server. The default setting is [Off]. To use this feature, connect to a wireless LAN (page 51). When the date and time are set in [Set Manually], [Set Automatically] is set to [Off].
Date format	Sets up the date format. [YYYY/MM/DD], [MM/DD/YYYY], [<u>DD/MM/YYYY</u>]
Time format	Sets up the time format. [<u>12-hour</u>], [24-hour]
Time zone	Sets up the time zone. The default setting differs depending on the area setting.
Daylight saving time	Sets the clock ahead one hour when set to [On]. The default setting is [Off].
Set a clock ahead	Sets the clock ahead up to 30 minutes in 1-minute increments. The setting is applied to the clock on frames and the timer.

Screen display

Item	Options/Description
Photo display position	Sets up the photo display position on the screen while playing a frame. The photo is displayed in the center of the screen in its original size when [Entire photo] is selected. The default setting is [Fit to screen].
Brightness adjustment	Adjusts the screen brightness in 11 levels. The default setting is [10].
Demonstration	Starts the demonstration if no operation is performed for more than 1 minute while the Home screen is displayed (photos and music demonstration are played). The default setting is [Off].

Timer settings

Item	Options/Description
Set Start Timer	Starts playing a frame at a specified time. Up to 3 timer settings can be created.
Set Stop Timer	Sets this unit to go into standby mode at a specified time.

System settings

Item	Options/Description (underlined option is the default setting)
Device name	Registers a device name for this unit.
Auto power on/off	This unit goes to standby mode automatically when the surrounding area becomes dark. The power comes back on automatically when the surrounding area becomes bright. The default setting is [Off].
New info indicator	Sets up the lighting pattern of the New Info indicator (always off in standby mode). [Always on (with new arriv.)], [<u>Auto on/off (with new arriv.)</u>], [Always on], [Always off].
System information	Displays [MAC address], [IP address] and [Software version].
Internal memory info	Displays the current usage of the internal memory.
Important messages	Displays update information and some other important information. When updating is completed, the power of this unit turns off automatically. After confirming the power is turned off, disconnect the AC adapter, and leave for more than 30 seconds, then connect the AC adapter again.
About VGF-CP1	Displays copyright and trademark information.

Initialization

Item	Options/Description (underlined option is the default setting)
Initialize system	Restores the system to the factory default.
Initialize settings	Returns the settings to their factory defaults. All registered frames are deleted, and sample frames are restored to their defaults.
Initialize internal memory	Resets internal memory to the factory default. All registered photos and music files are deleted, and sample photos and music files are restored to their defaults.
Initialize cache	Resets the cache memory to the factory default by performing [Reload] for all photos. Data stored in the cache memory is deleted; however, photo files remain undeleted.


Troubleshooting



If a problem occurs, check the following tables with the operating instructions and/or electronic manuals supplied with your computer. In addition, see "Getting Help" (page 71) for details, and visit our online support site.

Turning on the power

Condition	Cause/Remedy
The power cannot be turned on.	<ul style="list-style-type: none"> → Make sure the AC power adapter is securely plugged into AC IN on the unit and the wall outlet (page 12, 13). → Static electricity may cause a malfunction. In this case, disconnect the AC power adapter and leave for more than 30 seconds, then connect the AC power adapter again.




Displaying data on the browse screen

Condition	Cause/Remedy
[Cannot show the server list] is displayed.	<ul style="list-style-type: none"> → This unit may not be connected to a memory or server properly. Perform the connection test. <ol style="list-style-type: none"> ① Display the server list in [📷Photos] or [🎵Music], and select a memory or server you want to test, and then press OPTIONS. ② Select [Connection test] in the Options menu, and press  (ENTER). ③ The connection test starts. Follow the on-screen instructions if the connection fails. → Check the server settings on this unit when the Web service or Remote Home Access server is selected. → A folder storing no photos/or music files cannot be opened.
[Cannot show photos] is displayed.	<ul style="list-style-type: none"> → Some photo files may not be displayed depending on the file format. → Some photo files may not be displayed depending on the file size. → Some photo files may not be displayed if the files have been edited on a computer.

Condition	Cause/Remedy
[Cannot play tracks] is displayed.	→ Some music files may not be played back depending on the file format.
[Cannot show the item] is displayed.	<p>→ This unit may not be connected to a network properly. Perform the connection test.</p> <ol style="list-style-type: none"> ① Select [Information] in the Home screen, and press  (ENTER). ② Press OPTIONS. ③ Select [Connection test] in the Options menu, and press  (ENTER). ④ The connection test starts. Follow the on-screen instructions if connection fails.
Web service is not displayed in the list.	→ The server may not be set. Check the Server settings.
A server using software such as "VAIO Media" is not displayed in the list.	<p>→ This unit or the server is not connected to a network. See the cause/remedy of "[A connection error occurred] as displayed" in "Connecting to Wireless Network" (page 51).</p> <p>→ The server is not active. Check the following:</p> <ul style="list-style-type: none"> – The server is turned on. – The server status ([Start/Stop server]) is set to [Start]. – This unit is registered with the server. For registration, refer to the Help section of the server software in use, or the operating instructions supplied with the server. <p>→ The server may not be recognized if this unit is turned on before turning on the server. Select [Update information] in the Options menu to update the list.</p> <p>→ If a computer is used as a server, check the following:</p> <ul style="list-style-type: none"> – The computer may be unstable. Restart the computer. – This unit may not connect to a computer with an Internet connection fire wall (ICF) function on. For fire wall information, see the Help section for the security software in use. <p>→ Register this unit to the server individually.</p> <ol style="list-style-type: none"> ① Click [Start] in the computer used as the server, and click [All Program]-[VAIO Media]-[Server Administration]-[VAIO Media Server Settings] to start VAIO Media Integrated Server. ② Click [Access Control Settings] page, and click [Register]. ③ After starting the device registration wizard, put a check mark on [Manually register the device by entering the MAC address], and click [Next]. ④ Follow the instructions on the screen to register this unit.

Condition	Cause/Remedy
External memory is not displayed in the list.	→ External memory may not be inserted correctly. Make sure the external memory is inserted in the correct direction.
[Cannot use this device] is displayed.	→ A USB device that is not Mass Storage Class cannot be used.
Photo data is not recognized.	<ul style="list-style-type: none"> → Unsupported photo files cannot be recognized. → Photos uploaded to the Web service on the Internet take time to be displayed with this unit. Wait for a while, and display the browse screen. → When a digital still camera is connected to this unit with a USB cable, the digital still camera may not be set to Mass Storage Class. For the Mass Storage Class setting, see the operating instructions supplied with the digital still camera.
Music data is not recognized.	→ Unsupported music files cannot be recognized.
It takes time to display photos. Sound interrupts during playback.	→ The frequency bandwidth of the wireless network may not be sufficient. Place the access point device near this unit without obstacles in-between.
Height-and-width of a photo is not displayed properly.	→ This unit corresponds to the height-and-width information at shooting recorded in the exif data of the photo. Height-and-width may not be displayed properly in some photos shot by a digital still camera that does not record height-and-width to the exif data, or photos edited by the computer.


Playing back a frame

Condition	Cause/Remedy
[Cannot show photos] is displayed. [Cannot play tracks] is displayed. [Cannot show the item] is displayed.	<p>→ This unit may not be connected to a memory or server properly. Perform the connection test.</p> <ol style="list-style-type: none"> ① Display the server list in [📷 Photos] or [🎵 Music], and select the memory or server you want to test, and then press OPTIONS. ② Select [Connection test] in the Options menu, and press  (ENTER). ③ The connection test starts. Follow the on-screen instructions if connection fails. <p>→ When a server using software such as “VAIO Media” is specified to the frame, see the cause/remedy of “A server using a software, such as “VAIO Media” is not displayed in the list” in “Displaying data on the browse screen” (page 64).</p> <p>→ External memory specific to the frame may not be inserted correctly. Make sure the external memory is inserted in the correct direction.</p> <p>→ The name of the folder specific to the frame may have been changed, or the folder specific to the frame may have been deleted. Check the folder stored in the memory or server.</p> <p>→ The address of the Internet radio station may be changed in SHOUTcast. Play back the same Internet radio station in the music browse screen, and create a new frame.</p> <p>→ The address of RSS site may be changed in the registered RSS. Perform [RSS registration] again in Web browser, display the same RSS in the information browse screen, and create a new frame.</p>
[Cannot show photos] is displayed for members in a Shared frame.	<p>→ A member may have deleted the account of a Web service on the Internet.</p>
[Cannot show photos.] is displayed in the Memories frame.	<p>→ Photos shot or updated within one month from today can be displayed in the Memories frame. The last update date, usually the date the photo was shot, may be updated depending on the way the photo data is imported. If the photo data is edited, the date the photo was edited will become the last updated date.</p>
Photos are not switched automatically in the Photos and Info, Shared and Memory frames.	<p>→ Photos may not be switched at the specified interval time immediately after playing back a frame. Wait for a while or press  to switch to the next photo manually.</p> <p>→ Photos are not switched automatically when NEW is displayed in a Shared frame. Press  to switch to the next photo manually. NEW disappears and photos are switched automatically.</p>


Condition	Cause/Remedy
NEW is not displayed in a Shared frame.	→ Photos uploaded to a Web service on the Internet take time to display on the unit. Wait for a while, then play back the frame.
The clock does not work properly in the Photos and Info frame.	→ Date and time may be reset if the unit is disconnected from the AC adapter. Set the date and time by [🕒 Date and time settings] in [🗑️ Settings].
News is not displayed in the Photos and Info frame.	→ The unit may not be properly connected to the network. See the cause/remedy of "[Cannot show the item] is displayed." in "Playing back a frame" (page 66).
The same photo is displayed repeatedly in the Photos frame.	→ As a system restriction, the same photo may be displayed repeatedly immediately after starting the frame. This is not a malfunction.
Start timer does not work properly.	<ul style="list-style-type: none"> → The start timer may be set to [Off.] Check the start timer setting. → The frame specified by the start timer may have been deleted. In this case, the start timer setting is reset to the factory default. → The start timer may not work if the Settings, Options or browse screen is displayed at the time the start timer is set.
Stop timer does not work properly.	<ul style="list-style-type: none"> → The stop timer may be set to [Off.] Check the stop timer setting. → The stop timer may not work if the Settings, Options or browse screen is displayed at the time the stop timer is set.


Connecting to a Wireless Network

Condition	Cause/Remedy
[A connection error occurred] is displayed.	<ul style="list-style-type: none"> → This unit is not connected to the network. Check the following. <ul style="list-style-type: none"> – The WLAN ON/OFF switch is set to ON. – The network setting is correct. – All cables are connected securely. – The connected device(s), such as the access point device (wireless LAN router), is turned on. – The cable type (straight or cross) is correct. → The MAC address is required for network connection depending on the access point setting. The MAC address can be checked in [System information] of [📡 System settings] in [🗑️ Settings]. → The frequency bandwidth of the wireless network may not be sufficient. Place the access point device or wireless adapter near this unit without obstacles in-between. → A device, such as a microwave, around this unit may cause interference, and result in poor communication.

Condition	Cause/Remedy
[Cannot find an access point] is displayed.	→ This unit is not connected to the network. See the cause/remedy of "[A connection error occurred] is displayed." in "Connecting to Wireless Network" (page 67).
[The connection test failed. Unable to log on to a server] is displayed.	<p>→ The server setting may not be correct. Check the setting.</p> <p>→ This unit may not be connected to the network. See the cause/remedy of "[A connection error occurred] is displayed." in "Connecting to Wireless Network" (page 67).</p> <p>→ This unit may not be connected properly to the server. Perform the connection test.</p> <p>① Display the server list in [📷 Photos] or [🎵 Music], and select the Web service to test, and then press OPTIONS.</p> <p>② Select [Connection test] in the Options menu, and press  (ENTER).</p> <p>③ The connection test starts. Follow the on-screen instructions if connection fails.</p>

Options

Condition	Cause/Remedy
[Upload] is not displayed in the Options menu.	→ [Upload] is displayed only when browsing the external memory. Only photos stored in the external memory can be uploaded to the Web service on the Internet.
[Delete photos] is not displayed in the Options menu.	→ [Delete photos] is displayed only when browsing the internal memory. Only photos stored in the internal memory can be deleted.
[Upload failed] is displayed. [Copy process failed] is displayed.	<p>→ This unit may not be properly connected to a memory or server. Perform the connection test.</p> <p>① Display the server list in [📷 Photos] or [🎵 Music], and select the memory or server to test, and then press OPTIONS.</p> <p>② Select [Connection test] in the Options menu, and press  (ENTER).</p> <p>③ The connection test starts. Follow the on-screen instructions if the connection fails.</p>

Condition	Cause/Remedy
[The deletion failed] is displayed.	<p>→ This unit may not be connected to a memory properly. Perform the connection test.</p> <ol style="list-style-type: none"> ① Display the server list in [📷 Photos] or [🎵 Music], and select the memory to test, and then press OPTIONS. ② Select [Connection test] in the Options menu, and press  (ENTER). ③ The connection test starts. Follow the on-screen instructions if the connection fails. <p>→ If the Memory Stick media or SD/SDHC memory card is equipped with a write-protect switch, the switch may be set to the lock position. Set the switch to the unlock position.</p>
[Cannot copy this track] is displayed.	<p>→ Some music files may not be stored depending on the file format. In this case, store the file in MP3 file format.</p>

Others

Condition	Cause/Remedy
Does not accept operation. Does not work properly.	<p>→ This unit may not work properly due to static electricity. Disconnect the AC adapter, and leave for more than 30 seconds, then connect the AC adapter again.</p>
The remote control does not work.	<p>→ The battery may be inserted in the wrong direction. Insert the battery in the correct direction (page 13).</p>
Dark screen. Poor visibility.	<p>→ Adjust the brightness by [Brightness adjustment] of [📺 Screen display] in [⚙️ Settings] (page 61).</p>
Does not accept MUSIC operation.	<p>→ Pressing MUSIC will not work while the Settings or browse screen is displayed. To play back music, press MUSIC after closing the Settings or browse screen.</p> <p>→ If MUSIC is pressed while paused, MUSIC is unavailable until music starts playing back. Press MUSIC after starting playback.</p>
Music stops during playback.	<p>→ Music playback stops automatically when the Settings or browse screen is displayed. Pressing MUSIC does not work until playback starts. Press MUSIC after starting playback.</p>
The Web site is not displayed properly.	<p>→ A Web site may not display properly depending on the site.</p>
The volume cannot be adjusted.	<p>→ The volume can be adjusted only when playing back music. Adjust the volume during playback.</p>

Condition	Cause/Remedy
[Failed to update the clock] is displayed.	→ The Internet time server may be unstable. Wait for a while to restart updating.
Auto updating of the clock does not work properly.	→ This unit may not be connected to the network. See the cause/remedy of "[A connection error occurred] is displayed." in "Connecting to Wireless Network" (page 67). → [Set automatically] of [🕒 Date and time settings] may be set to [Off]. Check the setting (page 61).

Getting Help

This section provides information on how to get help and support from Sony, and troubleshooting tips for your Digital Photo Frame.

About Sony's support options

Sony provides several support options for your Digital Photo Frame. If you have any questions regarding your Digital Photo Frame, refer to the following:

- This manual** explains how to use your Digital Photo Frame.

For customers in the United States and Canada

- The Sony Customer Information Service Center** offers information about your VAIO computer and other Sony products that work with your computer. To contact Sony Customer Information Service Center, call 1-888-4SONYPC (1-888-476-6972).
- Sony Online Support** provides instant access to information on commonly encountered problems. Type a description of the problem and the Knowledge Database searches for corresponding solutions online.
You can visit Sony Online Support at:
<http://esupport.sony.com/EN/VAIO/>

For customers in Europe

- VAIO-Link.** For addresses and telephone numbers, refer to <http://www.vaio-link.com/>
For further service support information, refer to the Warranty/Customer support information.

For customers in other countries and regions

- VAIO Website** provides Frequently Asked Questions and solutions.
<http://www.vaio-online.sony.com/>

Specifications

Display	Size: 7 inch Resolution: 800 x 480 dots Color: Max. 16.77M
Speaker maximum output	L/R 1.6W
Memory cards	Memory Stick, Memory Stick PRO, Memory Stick Duo, Memory Stick PRO Duo, SD/SDHC memory card, CompactFlash card (CF)
Supported photo file	JPEG, JPEG Progressive* ¹ , BMP* ¹ , PNG* ¹ , PNG Progressive* ¹ , GIF* ¹ , GIF Progressive* ¹
Supported music file	MP3, WAV (LPCM)* ²
External connection terminal	USB terminal (1)
Internal memory (available for user)	Approx. 100MB* ³
Wireless connection	IEEE 802.11b/g (WEP (64bit/128bit)/WPA-PSK (TKIP/AES)) Wireless LAN system supporting AOSS* ⁴
Target computer	Windows® XP SP2, Windows Vista® with SP1-based computer, VGF-HS1 series
Dimension	177 (w) x 133.5 (h) x 33 (d) mm (without stand) 177 (w) x 131 (h) x 103 (d) mm (when placing with stand)
Mass	530g (with stand)
Power consumption	5.5W to 12W 3.1W (in standby mode)
Power (AC adapter)	Input: AC 100V-240V, 0.5A, 50/60Hz Output: DC 6V, 2.5A

*¹ Maximum file size is 3MB.

*² WAV files cannot be copied to the internal memory.

*³ Approximately 85MB is available for photo files, and approximately 15MB for music files.

*⁴ AOSS™ is an easy connection and setting technology developed by Buffalo Technology.

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Precautions

On handling your unit

- Do not lift or carry the unit by holding the stand only. Inclination of the unit may cause a malfunction.
- Do not drop or subject the unit to excessive shock. Doing so may result in data loss, or cause a malfunction.
- Do not place the unit in locations subject to extreme changes in temperature such as in direct sunlight or near a heater. Doing so may cause a malfunction.
- Do not insert any metallic object, such as a paper clip, into the unit.
- Do not place the unit in a location subject to mechanical vibration, or in an unstable position.
- Do not use this unit in a location subject to excessive dust since this unit is manufactured using extremely high precision technology. Doing so may cause a malfunction.
- Do not use this unit in a high humidity location.
- Do not use the unit in a poorly ventilated location.
- Do not place the unit near objects that are magnetized, or that generate electromagnetic energy. Doing so may cause a malfunction.

On parts replacement

This unit includes parts with a finite life expectancy; deterioration of such parts will depend on usage environment and frequency. Replace worn parts if significant performance degradation occurs as a result.

If you have any questions or problems concerning your unit, consult the local dealers in your area. See "Getting Help" (page 71) for details, and visit our online support site.

On the LCD screen

- The LCD screen is manufactured using extremely high-precision technology so over 99.99% of the pixels are operational for effective use. However, some tiny black and/or bright dots (white, red, blue or green) may appear on the LCD screen. These dots are a normal result of the manufacturing process, and do not affect operation or signify malfunction.
- Do not place or drop objects on the screen, or do not lean on the screen with your hands or elbows.
- Do not scratch the screen with a cutter or other sharp tool.

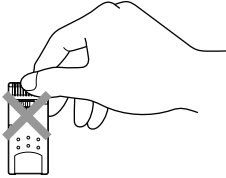
On moisture condensation

If the unit is brought directly from a cold to a warm location, moisture may condense inside or outside the unit. In this state, your unit may not operate correctly, and may cause a malfunction. If moisture condensation occurs, wipe off any moisture with a dry soft cloth. If the screen gets cold, turn off the unit and wait about an hour for any moisture to evaporate.

On handling Memory Stick media

Keep the following in mind to protect data on Memory Stick media.

- Do not touch a Memory Stick's connector with your finger or metallic objects.



- Do not attach a label to a Memory Stick other than the one supplied.
- Apply the label in the prescribed position on the Memory Stick.
- Use the storage case supplied with the Memory Stick media when carrying or storing.
- Do not bend, drop, or apply strong shock to a Memory Stick.
- Do not disassemble or modify a Memory Stick.
- Do not let a Memory Stick become wet.
- Do not use or store a Memory Stick in a location subject to:
 - Extremely high temperatures, such as in a car parked in the sun
 - Direct sunlight
 - High humidity or highly corrosive atmosphere

On using Memory Stick Duo media

- Be careful not to apply excessive force when writing on the memo area of a Memory Stick Duo.
- Make sure the Memory Stick Duo is inserted facing in the correct direction. If you insert a Memory Stick Duo in the wrong direction, the Memory Stick slot and media may be damaged.
- Do not insert a Memory Stick and Memory Stick Duo at the same time. Doing so may damage the Memory Stick slot and media.

On the AC adapter

- For your safety, do not use the AC adapter other than the AC adapter supplied with your unit.
- Do not use an electronic transformer (travel converter), as this may cause a malfunction.
- For your safety, do not use an AC adapter with a damaged cable.

On using the software

The software supplied with your unit is provided under the royalty contract and the license agreement, and unauthorized copying of the software by lending or borrowing is strictly prohibited by law. Be sure to read the software license agreement carefully before using the software.




On cleaning your unit

- Before cleaning, turn off the unit, and then disconnect the power cord from the wall outlet.
- Wipe off any surface dirt or dust with a dry cloth.
- Be sure to wipe off the dirt or dust with a soft and dry cloth. If the surface is soiled, clean with a soft cloth lightly moistened with water, and then wipe the surface with a dry soft cloth.
- Do not use chemical cleaners containing benzene, acetone, alcohol or thinner as they may damage the surface.
- When using a chemical cloth, follow its instructions.

On cleaning the LCD screen

- Avoid touching the LCD screen as it has a special coating.
- When cleaning, use a dry soft cloth and lightly wipe off.
- If the surface is soiled, clean with a soft cloth lightly moistened with water, and then wipe the surface with a dry soft cloth.
- Do not use a chemical cloth or chemical cleaners containing benzene, acetone, alcohol or thinner as they may damage the surface treatment of the screen.

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zlib
ncurses
e2fsprogs
device-mapper
dosfstools
mtd
glibc
directFB
mtrace
perl
gdb
madplay
samba
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md5.c

RSA Data Security, Inc. MD5 Message Digest Algorithm

Created: 2/17/90 RLR

Revised: 1/91 SRD,AJ,BSK,JT Reference C Version

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