




Photo**Viewing images**


You can view images saved on a Memory Stick Duo™.
The file format that can be displayed is JPEG (→page 80).

- 1** Select  from the home menu.
- 2** Insert a Memory Stick Duo™ (→page 33).
 is displayed.



- 3** Press the  button while  is selected.
Icons for Digital Camera Images, folders and images saved on the Memory Stick™ are displayed. Select the icon that you want to display, and then press the  button.

Icons displayed under Photo

	Memory Stick™	You can view images saved on a Memory Stick Duo™.
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Hint

If you press the home button or select button while displaying an image, the screen will return to the home menu while continuing to display the image. If you press the button again, the screen will return to the image display screen.

Using the control panel

You can perform the following operations using the on-screen control panel.

1 Press the Δ button while displaying an image.

The control panel is displayed.



Photo





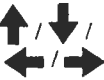



2 Select an icon, and then press the \times button.

Clearing the control panel

Press the Δ button or the \bigcirc button.

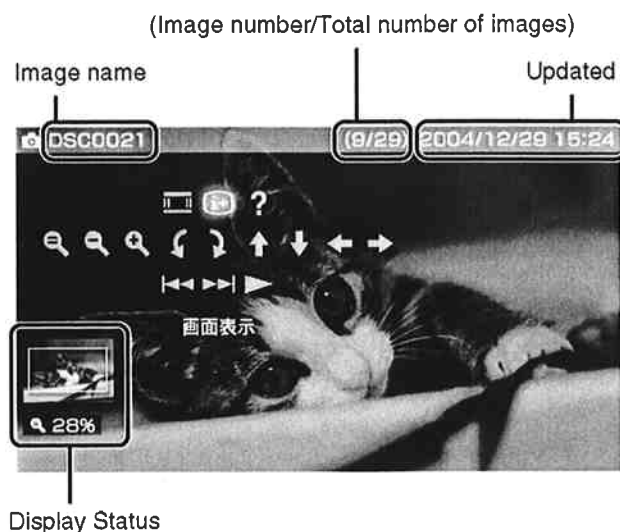
List of operations

Icon		Description
	View Mode	Changes the size of the image displayed (▶▶ page 73)
	Display	Displays information about the image (▶▶ page 72)
	Help	Displays the functions that can be performed using the PSP™ system buttons
	Clear Zoom	Returns an image that has been zoomed in or out on to its original size

Icon		Description
	Zoom Out	Zooms out from the image
	Zoom In	Zooms in on the image
	Rotate Left	Rotates the image 90-degrees counterclockwise
	Rotate Right	Rotates the image 90-degrees clockwise
	Up/Down/Left/Right	Moves the image up, down, left or right to display any obscured part when the image has been zoomed in or out on, or when the View Mode is set to Zoom
	Previous	Displays the previous image
	Next	Displays the next image
	Slideshow	Automatically displays each image in order (▶▶ page 76)

Displaying image information

- 1 While displaying an image, select  from the control panel, and then press the  button.
The image status is displayed.



Photo

Clearing the display

Select **[i+]** from the control panel, and then press the **[X]** button.

Adjusting image size

You can change the size of the image displayed on the screen.

- 1 While displaying the image, select  from the control panel, and then press the **[X]** button.

Each time you press the button, the option switches as follows:

Normal	Displays the image to fit the screen size without changing proportions
Zoom	Displays the image at the full screen size without changing proportions. Portions of the image at the top and bottom or left and right are cut off.

Hint

Depending on the image being displayed, the View Mode may not change.

Operating with PSP™ system buttons or the remote control

You can operate the PSP™ system without using the control panel by using the system buttons or the remote control.

	System button operation	Remote control operation
Play a slideshow	Press the start button.	Press the ► button.
Cancel zoom in/out	Press the ⊗ button when the image has been zoomed in or out.	—
Back	Press the ⊙ button.	—
Display the previous image	Press the L button.	Press the ◀◀ button.
Display the next image	Press the R button.	Press the ▶▶ button.
Zoom in	Move the analog stick up while holding down the ⊙ button.	—
Zoom out	Move the analog stick down while holding down the ⊙ button.	—
Rotate (Left)	Press the L button while holding down the ⊙ button.	—
Rotate (Right)	Press the R button while holding down the ⊙ button.	—
Move*	Move the analog stick.	—

* Obscured parts of the image are displayed when zooming in/out, or when the View Mode is set to Zoom.

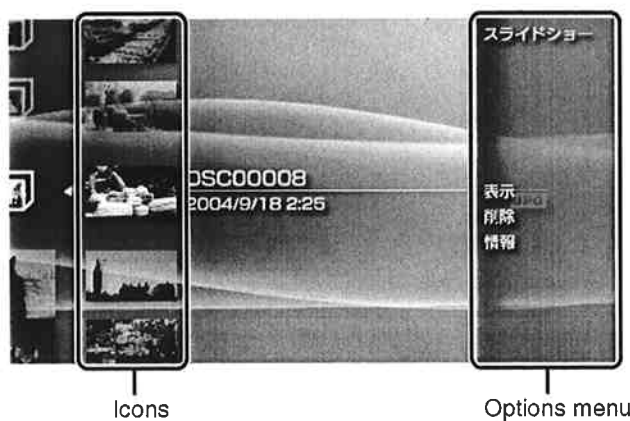
Hint

Some buttons cannot be operated while the control panel is displayed on the screen. In this case, press the ⊕ button to clear the control panel.

Photo options menu

When the Photo options menu is displayed, you can view information about or delete images saved on a Memory Stick Duo™.

- 1 Select an icon and then press the **(A)** button.
The options menu is displayed.



Photo

- 2 Select a menu item, and then press the **(X)** button.

Clearing the options menu

Press the **(A)** button or the **(O)** button.

Options list

Hint

The menu items displayed vary depending on the icon selected.

Slideshow	Automatically displays each image in order (▶▶ page 76).
Display	Displays images.
Delete	Deletes folders or images.
Information	Displays information about the selected icon.

Playing slideshows

You can set the available images to be displayed in order.

1 Select the icon for a folder or media containing images, and then press the start button.

The slideshow begins. The content displayed varies depending on the icon selected.

Icon	Description
Memory Stick™	All images saved on a Memory Stick Duo™ are displayed in order.
Digital Camera Images	All images in the Digital Camera Images folder are displayed in order.
Folder	All images in the selected folder are displayed in order.
Images	Images are displayed in order, starting from the selected image.

Stopping a slideshow

Press the  button.

Hints

- The display speed of the images can be adjusted. See "Photo Settings" (▶▶ page 85) for details.
- The slideshow can also be started in the following ways:
 - From the options menu (▶▶ page 75).
 - From the image control panel (▶▶ page 71).

Using the control panel

1 Press the button during the slideshow.

The control panel is displayed.



Control panel

Photo


2 Select an icon, and then press the **(X)** button.

Clearing the control panel

Press the **(△)** button or the **(○)** button.


List of Operations

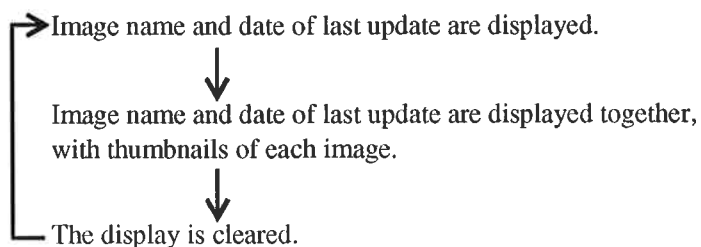
Icon		Description
	Slideshow Options	Switches the information displayed on the screen (▶▶ page 78)
	View Mode	Changes the size of the image displayed on the screen
	Display	Displays image information
	Help	Displays the functions that can be performed using the PSP™ system buttons
	Previous	Displays the previous image
	Next	Displays the next image
	Play	Starts the slideshow
	Pause	Pauses the slideshow
	Stop	Stops the slideshow

Icon	Description
 Repeat	Plays the slideshow repeatedly

Displaying slideshow options







- 1** During a slideshow, select  from the control panel, and then press the  button.


Each time you press the , the option switches as follows:




Operating with PSP™ system buttons or the remote control

You can operate the PSP™ system without using the control panel by using the system buttons or remote control.

	System button operation	Remote control operation
Playing a slideshow	Press the  button or start button.	Press the  button.
Pausing a slideshow	Press the start button.	Press the  button.
Stopping a slideshow	Press the  button.	-
Displaying the previous image	Press the L button.	Press the  button.
Displaying the next image	Press the R button.	Press the  button.

	System button operation	Remote control operation
Displaying slideshow options	Press the  button.	-

Hint

Some buttons cannot be operated while the control panel is displayed on the screen. In this case, press the  button to clear the control panel.

Photo

Saving images on a Memory Stick Duo™

You can save images on a Memory Stick Duo™ by the methods described below.

Taking photos using a digital still camera

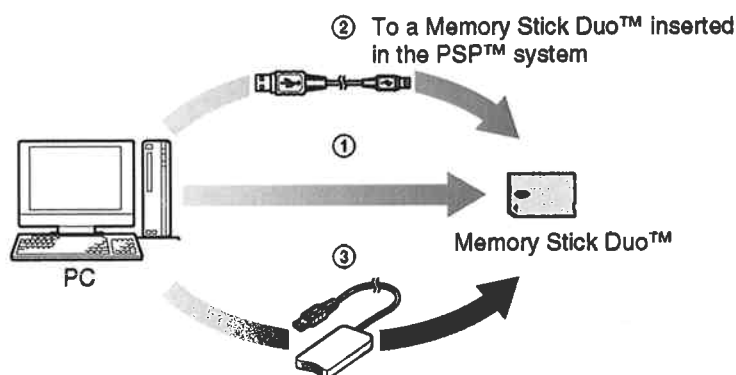
When using a digital still camera that is compatible with the Memory Stick Duo™, photos can be displayed by inserting the Memory Stick Duo™ from the camera directly into the PSP™ system. Photos on the Memory Stick Duo™ will be displayed in the system's "Digital Camera Images" folder.

Hint

You can use Memory Stick Duo™ media with a digital still camera that can handle only the standard-size Memory Stick™ by using a Memory Stick Duo™ Adaptor (model number MSAC-M2: a Sony product sold separately).

Saving image data items from a PC to a Memory Stick Duo™

You can save images using any of the following methods:



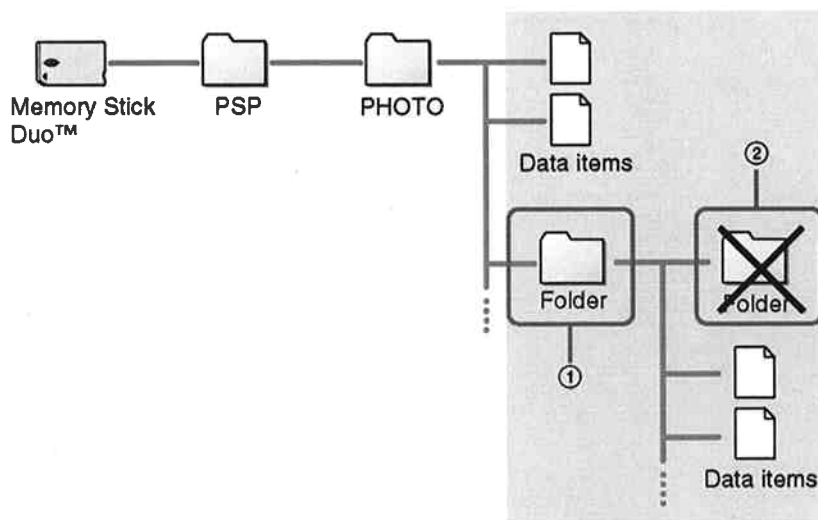
- ① Using a PC with a Memory Stick™ slot.*
- ② Using a commercially available USB cable (→ page 96).
- ③ Using a commercially available Memory Stick™ USB reader/writer.*

* A Memory Stick Duo™ Adaptor (model number MSAC-M2; a Sony product sold separately) is required if the slot on the device you are using is able to handle only the standard-size Memory Stick™.

Where to save image data

Create a folder named "PSP" directly on the Memory Stick Duo™, and then create a folder named "PHOTO"* in the "PSP" folder. Save image data in the "PHOTO" folder. The PSP™ system will not recognize data items saved anywhere other than in this folder.

* Filename does not need to be all capital letters.



Hints

- If a folder named "PSP" has already been created on the Memory Stick Duo™, create a "PHOTO" folder within it.
- You can create folders within the "PHOTO" folder (Figure ①).
- Folders created within sub-folders will not be recognized (Figure ②).
- It may not be possible to display some images, depending on the size of the image data.
- Images edited using a PC may not be viewable on the PSP™ system.

Settings

Settings for the PSP™ system

You can adjust the settings for the PSP™ system, as well as settings for features, such as video, photo and network.

1 Select from the home menu.











Icons for various settings are displayed.



2 Select an icon, and then press the (X) button.

A setting screen for the icon is displayed. For details, see the instructions for each setting (→ pages 83-106).

Icons displayed under Settings

	Network Update	Provides access to updates for the system software (►► page 104)
	USB Connection	Allows for connection to a PC using a commercially available USB cable (►► page 96)
	Video Settings	Includes settings for UMD™ Video Menu Language, Audio Language and Subtitle Language (►► page 84)
	Photo Settings	Includes settings for adjusting the slideshow speed (►► page 85)
	System Settings	Includes settings for the System Language and Nickname, and provides an option to format Memory Stick Duo™ media (►► page 86)
	Date & Time Settings	Allows the user to set the date and time, as well as adjust for daylight saving time (►► page 89)
	Power Save Settings	Includes settings to automatically turn off the backlight and put the system in sleep mode (►► page 90)
	Sound Settings	Provides access to settings for AVLS (Automatic Volume Limiter System) and Key Tone (►► page 92)
	Security Settings	Allows the user to change the password and adjust the level setting for the parental control feature (►► page 93)
	Network Settings	Provides access to settings for connecting to a wireless local area network (WLAN) (►► page 98)

Settings

Video Settings

You can set the UMD™ Video language or boost UMD™ Video volume.

Notice

Depending on the UMD™ Video, playback conditions may be set in advance by the software developer. In such cases, certain options may not be available, even if you follow the instructions in this manual.

Menu Language	Select a language for the UMD™ Video menu.
Audio Language	Select a language for the audio.
Subtitle Language	Select a language for subtitles.
UMD™ Video Volume	Adjust the volume when UMD™ Video output level is low. The volume increases in the following order: "Normal", "+1" and "+2".

Hint

The settings at the time of purchase are as follows:

- "Menu Language" and "Subtitle Language" are set to "English".
- "Audio Language" is set to "Original Language".
- "UMD™ Video Volume" is set to "Normal".

Photo Settings

You can set the Slideshow Speed.

Fast	Displays images at a faster rate
<u>Normal</u>	Displays images at normal speed
Slow	Displays images at a slower rate

The default setting for the menu item is underlined.

Settings

System Settings

You can adjust the settings for and display information about the PSP™ system, or format a Memory Stick Duo™.

Nickname

The nickname you selected in the initial setup can be changed. Use the on-screen keyboard to enter a new nickname. For details on keyboard operation, see "How to use the keyboard" (▶▶page 107).

System Language

Sets the language for system menus, such as the home menu.

Deutsch	Displays messages in German
<u>English</u>	Displays messages in English
Español	Displays messages in Spanish
Français	Displays messages in French
Italiano	Displays messages in Italian
Nederlands	Displays messages in Dutch
Português	Displays messages in Portuguese
Русский	Displays messages in Russian
日本語	Displays messages in Japanese

The default setting for the menu item is underlined.

Battery Information

You can display the following information about the system battery:

Charge Level	Displays the battery charge level as a percentage
Hours Left*	Displays the remaining hours of battery duration (except when charging)
Power Source	Displays the current source of power: "External" or "Battery"
Battery Status	Displays the status of the battery: "In Use", "Charging" or "Charge Complete"

* The number of hours as calculated by the system is shown as an estimate.

Hint

There may be a slight difference between the display information and actual battery performance. This is due to variations in actual usage conditions and environmental factors (such as temperature).

Format Memory Stick™

You can format Memory Stick Duo™ media using the system. Follow the on-screen instructions to perform this operation.

Notice

When you format, all software and data stored on the Memory Stick Duo™ will be deleted and cannot be recovered. Be careful not to accidentally erase important data.

Restore Default Settings

The settings at the time of purchase can be restored. Follow the on-screen instructions to perform this operation.

Notice

When the default settings are restored, the current settings will be lost and cannot be recovered.

System information

You can display information about the PSP™ system.

MAC Address	Displays the system's MAC address
System Software	Displays the version of the system software
Nickname	Displays the system nickname

About PSP™

Displays trademark and copyright information related to software used by the PSP™ system.

Date & Time Settings

You can set the date and time, daylight saving time and time zone for the PSP™ system. Set each item using the directional buttons and enter the setting by pressing the **X** button.

Date and Time	Sets the year, month, day, hour, minute and second (and AM/PM setting if using a 12-hour time format)
Date Format	Sets the order of year, month and day displayed on the screen
Time Format	Sets to use the 12-hour or 24-hour display format
Time Zone	Sets the appropriate time zone
Daylight Saving	Selects either "Standard" or "Daylight Saving" (Standard is the default)

Settings

Hint

When the time zone is changed, the date and time settings are automatically adjusted based on the time difference between the old and new time zones.

Power Save Settings

You can conserve the power of the PSP™ system by setting the system to automatically go into sleep mode or switch off the backlight.

Backlight Auto-Off

When the system remains idle for a certain period of time, it saves power by automatically turning off the backlight on the LCD screen. When the backlight is turned off, the screen goes blank.

Off	The backlight does not turn off automatically.
2 Minutes	Turns the screen darker after one minute and turns off the backlight after another minute
<u>5 Minutes</u>	Turns the screen darker after one minute and turns off the backlight after four more minutes
10 Minutes	Turns the screen darker after one minute and turns off the backlight after nine more minutes

The default setting for the menu item is underlined.

Turning on the backlight

When the backlight is turned off automatically, press any button to turn it back on.

Hint

The Backlight Auto-Off feature may not work during the following operations:

- During video playback
- While playing a slideshow

Auto Sleep

You can set the system to conserve power by automatically entering sleep mode when it remains idle for a certain period of time.

Off	The system does not automatically go into sleep mode.
5 Minutes	Enters sleep mode after five minutes
10 Minutes	Enters sleep mode after ten minutes
<u>15 Minutes</u>	Enters sleep mode after fifteen minutes

The default setting for the menu item is underlined.

Settings

Clearing sleep mode

Slide the power/hold switch on the right side of the system up.

Hint

The Auto Sleep feature may not work during the following operations:

- When connected using the AC adaptor
- While playing a game
- During video playback
- During music playback
- While playing a slideshow

WLAN Power Save

You can switch the power mode of the wireless networking feature. If you select "Off", the system will communicate at full power.

Off	Communications set to maximum power
<u>On</u>	Communications set to power-save mode

The default setting for the menu item is underlined.

Notice

Because setting the power-save mode to "Off" will cause the battery to run out more quickly, it is best to leave it set to "On" during normal usage.

Sound Settings

You can turn off the key tone and limit the volume level.

AVLS (Automatic Volume Limiter System)

You can limit the maximum volume. This can help prevent sound escaping from the headphones, as well as the possible danger resulting from being unable to hear what is going on around you when wearing headphones.

<u>Off</u>	Does not set a limit; allows for the volume to be adjusted manually
On	Sets a limit on the volume

The default setting for the menu item is underlined.

Key Tone

You can turn off the key tone (the confirmation sound made when you press a button).

Off	Does not make a confirmation sound
<u>On</u>	Makes a confirmation sound

The default setting for the menu item is underlined.

Security Settings

You can adjust settings related to PSP™ system security features.



Change Password

Changes the 4-digit password required for the "Parental Control Level" feature. The password is required for the following operations:

- To change the Parental Control Level setting.
- To play a UMD™ that is restricted by the system's Parental Control Level setting.
- To change the password.

Settings

Change Password

- 1 Select  (Security Settings) under  from the home menu, and then press the (X) button.
- 2 Select "Change Password", and then press the (X) button.
The password entry screen is displayed.
- 3 Using the directional buttons, enter the current 4-digit password, and then press the (X) button.
When changing the password for the first time after purchase, you must enter "0000".
- 4 Using the directional buttons, enter a new 4-digit password, and then press the (X) button.
- 5 Select "Yes", and then press the (X) button.
The password is changed.

Hint

Make a record of your password for future reference.

Parental Control Level

Some UMD™ software has a preset parental control level based on the content. You can set the parental control level on the system to restrict the playback of a UMD™ with a level that is higher than that set on the system.

Parental Control Level

The parental control level of the system can either be turned off or set to one of 11 different levels.

<u>Off</u>	Turns off parental control
11-1	Sets the level of content to be restricted. A setting of "1" is the most restrictive; "11" is the least restrictive

The default setting for the menu item is underlined.

The combination of the parental control levels of both the PSP™ system and the UMD™ determine whether a UMD™ can be viewed or not. The combination of the two levels are displayed in the table on page 95.

Example: If the parental control level of the system is set to "5", a UMD™ with a level from "1" to "5" can be played on the system.

		UMD™ parental control level										
		1	2	3	4	5	6	7	8	9	10	11
System parental control level	11											
	10											
	9											
	8											
	7											
	6											
	5											
	4											
	3											
	2											
	1											



:The UMD™ can be viewed.








:The UMD™ cannot be viewed.

Settings


Parental control levels on games

Most game packaging shows a symbol to indicate the age group that is appropriate to play the game. The symbols correspond to the UMD™ parental control level as shown below:

Age group					
UMD™ parental control level	2	3	5	9	10

As of December 2004. For the latest information about ratings, visit our Web site at www.us.playstation.com

Hints

- The parental control level of a UMD™ can be checked under "Information" in the UMD™ options menu. For a UMD™ that does not include a parental control level, the "Parental Control Level" item under "Information" will display "-".
- A UMD™ that has been restricted by the parental control feature is displayed as  (Restricted Content).
- Adults Only or AO ratings are rare. PlayStation does not publish Adults Only games.

USB Connection

You can transfer files from a PC to a Memory Stick Duo™ inserted in the PSP™ system using a commercially available USB cable. Note however that files that can be played are limited to file formats supported by the system.

USB cables that can be used with the PSP™ system

A USB cable compatible with the Mini-B type connector is required to connect to the system.

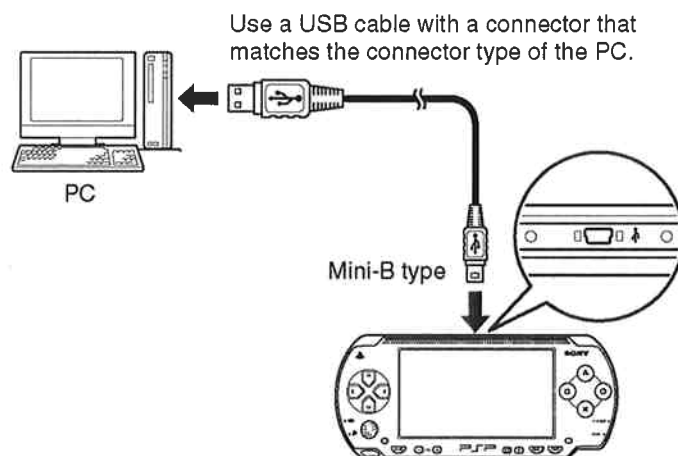
Hint

You can connect to a PC with an operating system that supports the USB mass storage class, such as Windows® XP or Mac OS X.

Connecting the system and a PC using a USB cable

You can connect a USB cable to the system and the PC without turning off the power.

1 Connect a USB cable to the system and a PC.



2 Select (USB Connection) under from the home menu, and then press the (X) button.

The Memory Stick Duo™ inserted in the system is detected by the PC.

Notice

Do not format a Memory Stick Duo™ on a PC, as it may no longer be recognized by the PSP™ system.

Settings