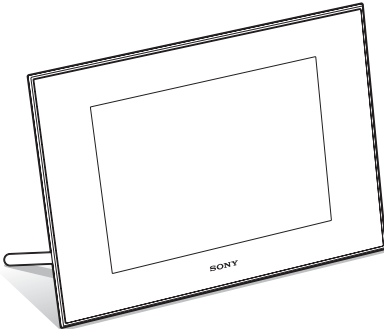


Digital Photo Frame

DPF-XR100/VR100



Digital Photo Frame Handbook

Before operation

Basic operations

Advanced operations

Using with a computer

Error messages

Troubleshooting

Additional information

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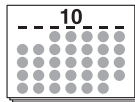
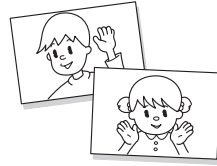
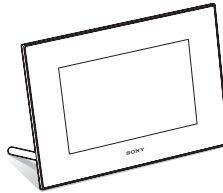
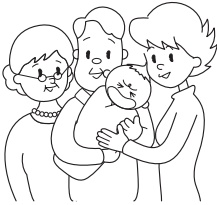
On the illustrations and screen shots used in this manual

The illustrations and screen shots used in this manual are of the DPF-XR100 unless noted otherwise.

The illustrations and screen shots used in this manual may not be identical to those actually used or displayed.

Enjoying your photo frame in various ways

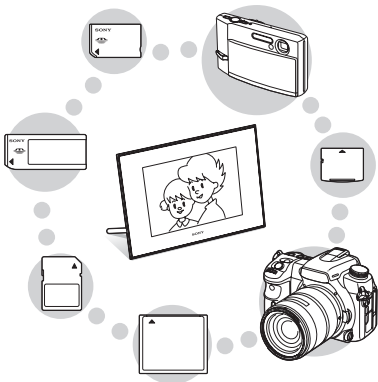
The Sony DPF-XR100/VR100 is a digital photo frame for easily displaying images taken with a digital camera or other device, without using a computer.



Features

■ Support for various memory cards*

Supports various memory cards and other devices, such as a “Memory Stick”, CompactFlash card, SD memory card, xD-Picture Card, and USB memory. Just insert a memory card removed from a digital camera, and you will be able to view the images immediatel (pages 15, 60).



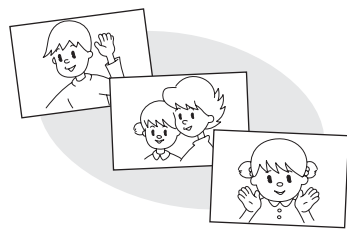
■ Various display functions

You can enjoy various viewing modes, such as the slideshow display, Clock and calendar display, Single view mode, and Index image display (page 16).



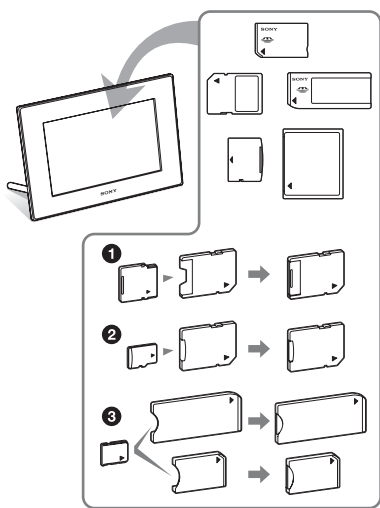
■ Various slideshow styles

The displayed image can be switched automatically as though you are turning the pages of an album yourself. You can select from various slideshow styles, including the ones displaying a clock or calendar. You can also change playback settings such as the playback order (page 24).



■ Importing images to internal memory

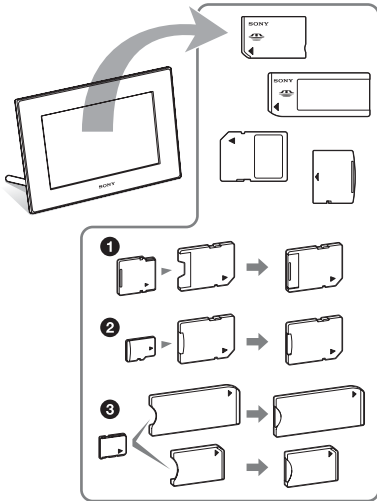
You can import and save the images in the internal memory (page 30).



* When using a miniSD/miniSDHC ①, microSD/microSDHC ② or “Memory Stick Micro” media ③, be sure to insert it in an appropriate adaptor.

■ Exporting images

You can export images in the internal memory to your memory card (page 33).



* When using a miniSD/microSDHC ❶, microSD/microSDHC ❷ or "Memory Stick Micro" media ❸, be sure to insert it in an appropriate adaptor.

■ Playback of video files/playback of background music (BGM) with photos

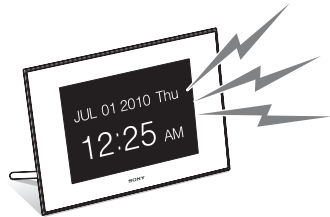
You can enjoy viewing a video file shot with your digital camera as well as photos and also add background music to the images (pages 22, 27).

■ Sorting function

You can sort images by event, folder, image orientation, mark and videos/photos (page 37).

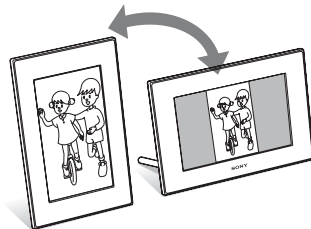
■ Alarm function

You are notified at the specified time on the specified day of the week with an audio alarm and alarm display (page 41).



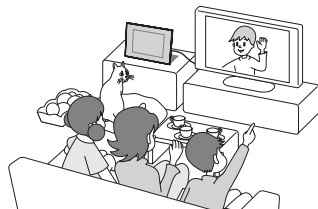
■ Automatic rotation of images

The photo frame automatically rotates images to their proper orientation. Images are also automatically rotated when the photo frame is set in either the portrait or landscape position (page 12).



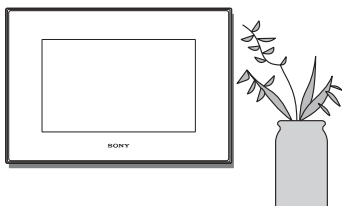
■ Connecting to a high-definition TV to display images on a large screen with music (DPF-XR100 only)

Using the photo frame's HDMI OUT connector, you can enjoy the images stored on a memory card, external device, or in the internal memory on a large screen, with accompanying music (page 47).



■ Hanging on a wall

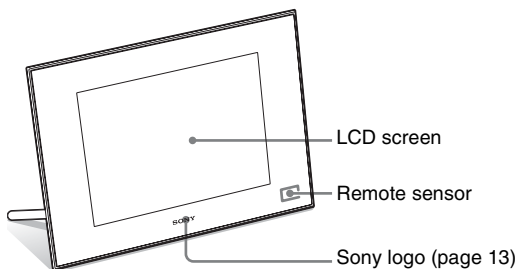
You can hang the photo frame on the wall (supplied Operating Instructions, “Stand – To display the photo frame on the wall”).



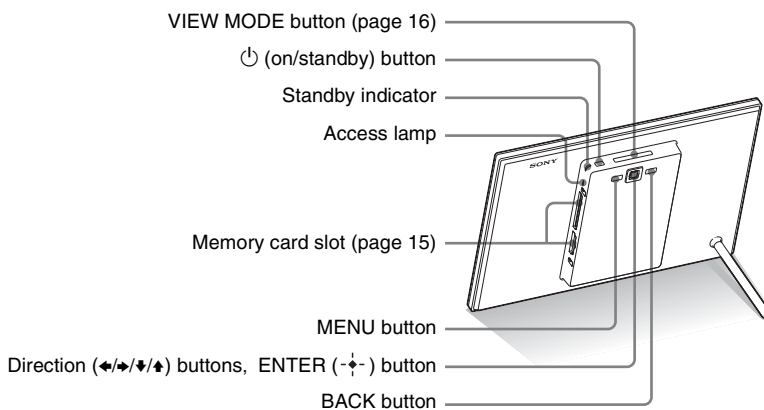
Identifying the parts

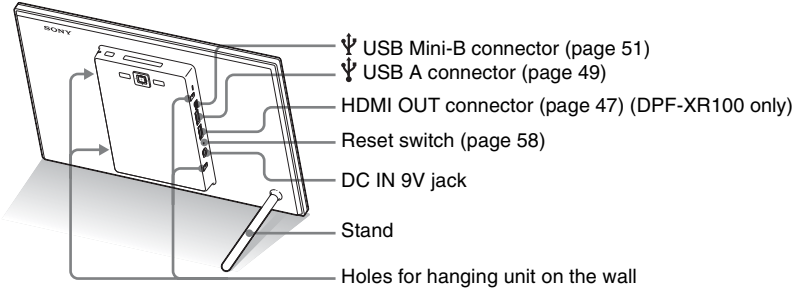
■ Digital photo frame

Front

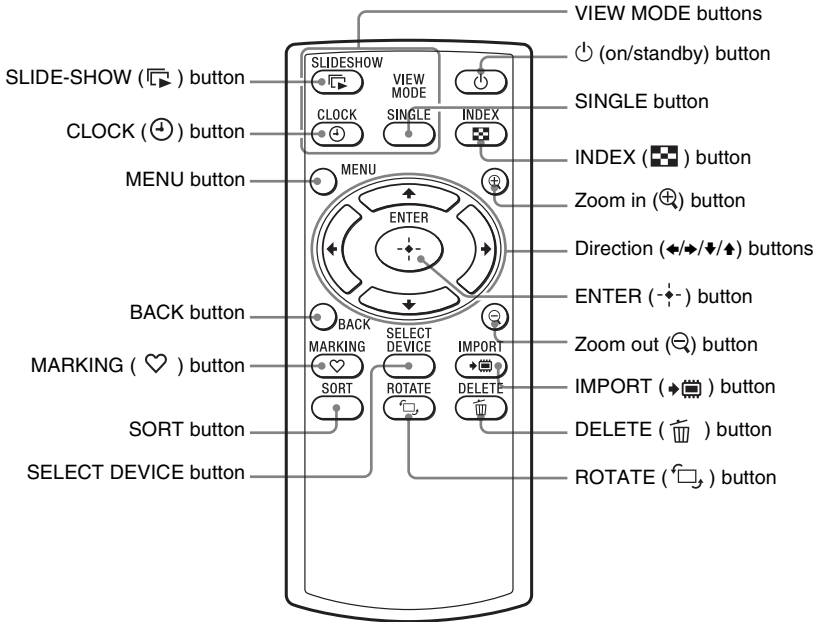


Rear





Remote control

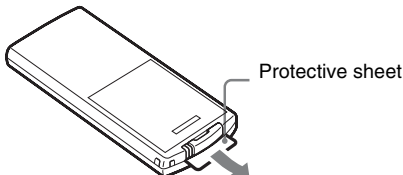


About descriptions in this manual

The operations described in this manual are based on remote control operation. When an operation is performed differently, for example, with the remote control and the buttons on the photo frame, it will be explained in a tip.

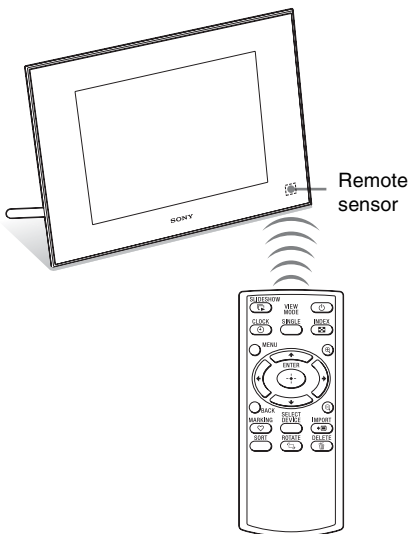
Preparing the remote control

The supplied lithium battery (CR2025) has already been inserted into the remote control. Pull out the protective sheet before use as shown in the figure.



Using the remote control

Point the top end of the remote control towards the remote sensor on the photo frame.



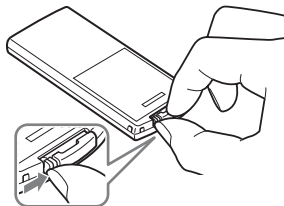
Note

The photo frame may fall if you use the buttons on the photo frame when it is hanging on the wall. Operate the photo frame using the remote control.

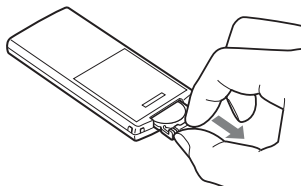
Replacing the battery of the remote control

If the remote control stops working, replace the battery (CR2025 lithium battery) with a new one.

1 Press the tab in.



2 Pull the battery holder out.



3 Insert a new battery and slide the battery holder back into the remote control.

Insert the battery so that "+" is facing upwards.

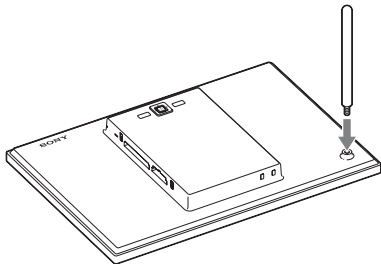
Notes

- Using a battery other than the specified one may result in the battery rupturing.
- Dispose of used batteries as specified by the local authorities.
- Do not leave the remote control in a very hot and humid place.
- Take care that no foreign objects get inside the remote control when you, for example, replace the battery.

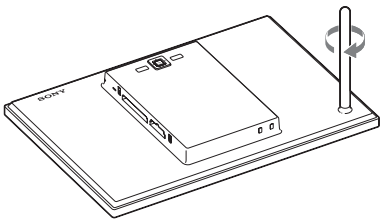
- Incorrect use of the battery may cause leaking and corrosion.
 - Do not recharge the battery.
 - When the remote control will not be used for a long period of time, remove the battery from the remote control to prevent leaking and corrosion.
 - Incorrectly inserting, shorting, dismantling, or heating the battery, or throwing it into a fire may cause the battery to rupture or leak.

Setting the stand

- 1 Hold the photo frame tightly and insert the stand straight into the screw hole on the rear panel.

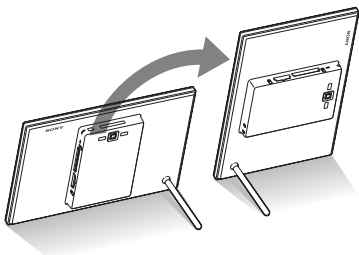


- 2 Screw the stand into the screw hole firmly until the stand stops turning.



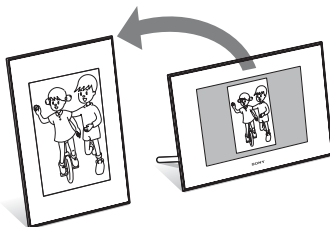
Setting to portrait or landscape orientation

You can set the photo frame to portrait or landscape orientation by rotating it without moving the stand.




When the photo frame is placed vertically so that the operation buttons are located on the left, the display is also automatically rotated to the portrait orientation.

The directions indicated on the direction button on the rear panel depend on the orientation of the photo frame.



Notes

- Check whether the stand is stable. If the stand is not set properly, the photo frame may fall over.
- The Sony logo does not light up when the photo frame is placed vertically or turned off.
- You can also rotate the image manually (page 38).
- The photo frame does not detect and rotate the orientation of images when [Auto display orientation] of [General Settings] on the  (Settings) tab is set to [OFF].
- A video file is not rotated automatically even if you change the orientation of the photo frame.


Tip

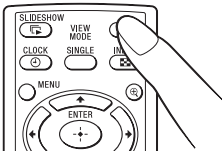
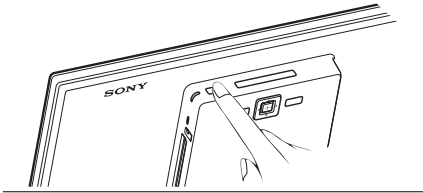
It is easier to turn the stand if you wind or wrap a rubber band tightly around the stand when you remove the stand from the photo frame.

Turning the photo frame on


When you have already turned on your photo frame by connecting it to the AC power source, skip to the next section.

Turning on the power

Press  (on/standby) on the photo frame or remote control to turn on the power. The standby indicator turns to green from red. The Sony logo on the front panel lights up.



Turning off the power

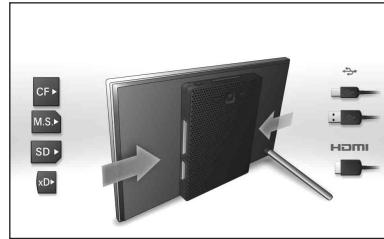
Hold down  (on/standby) on the photo frame or remote control until the power turns off. The standby indicator turns to red from green.

Note

Do not disconnect the AC adaptor from the photo frame or the AC outlet before the standby indicator turns red. Doing so may damage the photo frame.


Operations in an initial state

When the photo frame is turned on without a memory card loaded or other device connected, the initial display below appears on the screen.



If the photo frame is not operated for a certain period of time, the demo mode is displayed. If any other button than the power button is pressed, the screen returns to the initial display. First, press MENU during the initial display then set the date and time.

Setting the current time

- 1 Press MENU.
- 2 Press \leftarrow/\rightarrow to select the  (Settings) tab.
- 3 Press \uparrow/\downarrow to select [Date/time Settings] and press \rightarrow .



- 4 Set the World clock.
 - ① Press \uparrow/\downarrow to select [World Clock Settings] and press \rightarrow .
 - ② Press \uparrow/\downarrow to select [Local Time] and press \rightarrow .
 - ③ Press \uparrow/\downarrow to select the region where you are living and press \rightarrow .
 - ④ Press \uparrow/\downarrow to select [Local DST] and press \rightarrow .
 - ⑤ Press \uparrow/\downarrow to select [ON] or [OFF] and press \rightarrow .
 - ⑥ Press BACK.

You can set up to three world clocks other than the clock for your region. Proceed steps ② to ⑥ to set [Clock 1 Time], [Clock 2 Time], [Clock 3 Time], and their respective day light saving times.

- 5 Set the date.
 - ① Press \uparrow/\downarrow to select [Date] and press \rightarrow .
 - ② Press \leftarrow/\rightarrow to select month, day and year, press \uparrow/\downarrow to select a value, then press \rightarrow .
- 6 Set the time.
 - ① Press \uparrow/\downarrow to select [Time] and press \rightarrow .

② Press \leftarrow/\rightarrow to select hour, minute, and second, press \uparrow/\downarrow to select a value, then press \rightarrow .

- 7 Select the format of the date.
 - ① Press \uparrow/\downarrow to select [Date Display Order], and press \rightarrow .
 - ② Press \uparrow/\downarrow to select a format and press \rightarrow .
 - Y-M-D
 - M-D-Y
 - D-M-Y

- 8 Set the day to start the week for the calendar.

You can set the day of the week that appears on the very left when the calendar is displayed.

① Press \uparrow/\downarrow to select [First day of the week] and press \rightarrow .

② Press \uparrow/\downarrow to select [Sunday] or [Monday] and press \rightarrow .

- 9 Select the time display.
 - ① Press \uparrow/\downarrow to select [12hr/24hr display] and press \rightarrow .
 - ② Press \uparrow/\downarrow to select [12 hours] or [24 hours] and press \rightarrow .

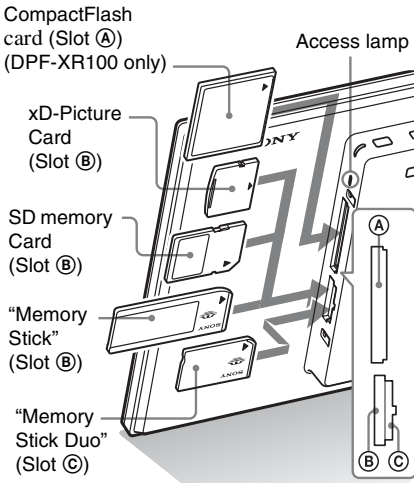
- 10 Press MENU.

The menu screen is closed.

Inserting a memory card

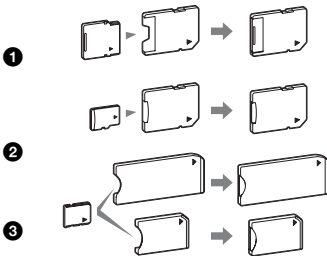
Insert the memory card firmly into the corresponding slot with its label side facing toward you (when you are facing the back side of the photo frame).

The access lamp flashes when the memory card is inserted correctly. If the access lamp does not flash, reinsert the memory card after checking the label side of the memory card.



Note

When using a miniSD/miniSDHC ①, microSD/microSDHC ② or “Memory Stick Micro” media ③, be sure to insert it in an appropriate adaptor.



For details on compatible memory cards, see pages 60 to 62. For supported file formats, refer to the Operating Instructions, “Specifications”.

When you insert a memory card

When you insert a memory card, the images stored on it are automatically displayed. If you switch off the power while they are being displayed and switch the power back on, the same images continue to be displayed.

To change the playback device

Press SELECT DEVICE (page 32).

To remove a memory card

Remove the memory card from its slot in the opposite direction from which it was inserted.

Do not remove the memory card while the access lamp is flashing.

Notes

- The slot is both a “Memory Stick” standard and Duo size compatible slot, so you do not need a “Memory Stick” adaptor.
- The “Memory Stick” (Standard/Duo)/SD memory card/MMC/xD-Picture Card multi-purpose slot automatically detects the card type.
- Do not insert multiple memory cards into B and C slots simultaneously. If multiple memory cards are inserted, the photo frame will not work properly.

Tip

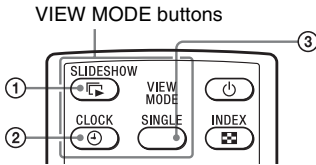
S-Frame fails to auto rotate if:

- An image file has been shot with a DSC which doesn’t support Exif rotate tag recording.
- An image file is retouched and saved with retouching software which breaks the Exif rotate tag.




Changing the display

You can change the view style by pressing the VIEW MODE buttons.

- 1 Press the button corresponding to view mode you want to select.



The display changes to selected view mode.

- ①   Slideshow
(page 17)
- ②   Clock and
Calendar
(page 19)
- ③  **SINGLE**
Single image
display
(page 20)

Tip

When using the buttons on the photo frame, press VIEW MODE on the upper back of the LCD screen.

- 2 Select a style with \leftarrow/\rightarrow and press











The display changes to the selected view style.




Note

If you have not operated the photo frame for an extended period of time, the style the cursor is on will be selected automatically.

Slideshow display

Display	Style	Description
 Slideshow	 Single view	Images are displayed on a single screen, one after another.
	 Multi image view	Displays multiple images at the same time.
	 Clock view/World Clock	Displays images, one after another, while showing the current date and time.
	 Calendar view	Displays images, one after another, while showing a calendar. The current date and time are displayed.
	 Time Machine	Displays images, one after another, while showing the shooting date and time. The current date and time are not displayed.
	 Scrap-book/Creative	Displays an image processed using the template in CreativeEdit.
	 Random view	Displays images while randomly switching between a number of different slideshow styles and effects. When displaying images randomly This is available when [Shuffle] of [Slideshow Settings] is set to [ON] (page 25).

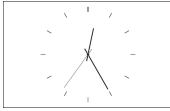
Tips

- If no memory card is inserted, or no images are saved in internal memory, demonstration mode starts automatically. Demonstration mode ends if a memory card with images saved is inserted or a button other than  (on/standby) is pressed.
- For details on the playback order in a slideshow display, see page 45.
- You can set the interval, color effect, or display mode when you select the slideshow display. See “Changing the settings of the slideshow” (page 24).
- When you press  while a slideshow is running, the currently displayed image is shown in single view mode.
- If you turn the photo frame off during slideshow and back on with the  (on/standby) button, the slideshow restarts from the last image viewed.
- A file of audio information data that contains no photo or video data cannot be displayed.

Clock and Calendar display

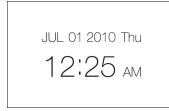


Clock1



Clock2

Clock3



Clock4



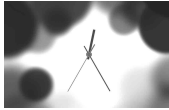
Clock5



Clock6



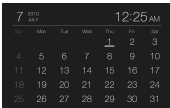
Clock7



Clock8



Clock9



Calendar1



Calendar2



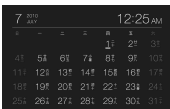
World Clock 1



World Clock 2



World Clock 3



Lunar Calendar
(when you select
[Simplified
Chinese] in
[Language
Setting])



Arabic Calendar
(when you select
[Arabic] in
[Language
Setting])







Farsi Calendar
(when you select
[Persian] in
[Language
Setting])



Note

You can select only the Settings or Slideshow tab when the Clock and Calendar display is shown.

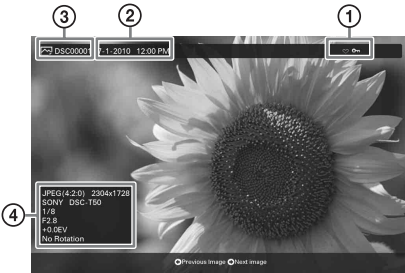
Single view mode (single image display)

Display	Style	Description
SINGLE	 <p>Entire image</p>	<p>Displays an entire image in the screen. You can switch the images to be displayed by pressing ◀/▶.</p>
	 <p>Fit to screen</p>	<p>Displays an image over the whole screen. (Depending on the aspect ratio of the recorded image, the border of the image may only be partially displayed.) You can switch the images to be displayed by pressing ◀/▶.</p>
	 <p>Entire image (with Exif)</p>	<p>Displays image information, such as the image number, file name, and shooting date while displaying the entire image. You can switch the images to be displayed by pressing ◀/▶. See “About the information displayed on the screen” (page 21) for details on the image information.</p>
	 <p>Fit to screen (with Exif)</p>	<p>Displays image information, such as the image number, file name, and shooting date in fit to screen mode. (Depending on the aspect ratio of the recorded image, the border of the image may only be partially displayed.) You can switch the images to be displayed by pressing ◀/▶. See “About the information displayed on the screen” (page 21) for details on the image information.</p>

Tips

- If no memory card is inserted or no images are saved in internal memory, demonstration mode starts automatically. Demonstration mode ends if a memory card with images saved is inserted or a button other than  (on/standby) is pressed.
- Panorama playback starts when you press  while the panorama image is displayed in single view mode.
- You can change the image display mode by pressing VIEW MODE to select SINGLE then ◀/▶ to select either Entire image or Fit to screen mode. Not all images are able to use Fit to screen mode.
- You can use the VIEW MODE button on the photo frame.
- A file of audio information data that contains no photo or video data cannot be displayed.

About the information displayed on the screen



The following information is displayed.

① Setting information

Icons	Meaning
	Protect indication
	Associated file indication (Displayed when there is an associated file such as a video file or a miniature e-mail image file.)
	Displays when you have registered a mark.
	Video icon
	Audio memo icon
	Panoramic image icon

② Shooting date/time

Note

This is not displayed for video files.

③ Image number (folder-file number)

This is displayed if the image is DCF compliant.

If the image does not comply with DCF, 10 characters from the beginning of the file are displayed.

④ Image details

■ When the photo is displayed

- File format (JPEG(4:4:4), JPEG(4:2:2), JPEG(4:2:0), BMP, TIFF, RAW)
- Number of pixels (width × height)
- Manufacturer name of image input device
- Model name of image input device
- Shutter speed (e.g.: 1/8)
- Aperture value (e.g.: F2.8)
- Exposure value (e.g.: +0.0EV)
- Rotation information

■ When the video file is played

- File format (AVI, MOV, MP4, MPEG-2 PS, MPEG-2 TS)
- Video file size
- Playback duration
- Number of pixels (width × height)
- Video codec/bit rate
- Audio codec/bit rate

Index image display

- 1 Press **INDEX** while the photo frame is in single image or slideshow display mode.
A list of thumbnails is displayed.



- 2 Press **←/→/↓/↑** to move the cursor to an image you want to display and press **↵**.
The selected image is displayed in single view mode.

To change the size of thumbnails

Press **⊕** (zoom in) or **⊖** (zoom out) while the list of index is displayed. The size of thumbnails is enlarged or reduced and the number of thumbnails is also changed.

Note

During TV output, the number of images displayed on the TV in the index image display varies depending on your TV's screen size.

Tips

- A thumbnail is a small-sized image for index use that is recorded in a file of the pictures taken by a digital camera.
- If you press **←/→/↓/↑** to select an image and press **↵** in the index image display, the selected image is displayed in single view mode.
- A file of audio information data that contains no photo or video data cannot be displayed.

Playing a video file

The operations described in this section are based on those with the buttons on the supplied remote control.

- 1 Select a video file.
 - ① Press **SINGLE**.
 - ② Press **←/→** to select the desired style and press **↵**.
 - ③ Press **←/→** to advance/reverse the files to select a video file you want to play.

Using the Index display

- ① Press **INDEX**.
- ② Press **←/→/↓/↑** to select a video file you want to play.

- 2 Press **↵**.
The selected video file starts playback.

To adjust the volume

The volume adjustment screen appears on the right of the screen if you press **↓/↑**. To increase the volume, press **↑**. To decrease the volume, press **↓**.

Tip

You can adjust the volume on the initial display or single image display.

To pause playback

Press **↵** during playback of the video file.
To resume playback, press **↵** again.

Fast forward/backward playback

Press **←/→** during playback of the video file.
When you press **↵** during fast forward/backward playback, normal playback resumes at that point.

Depending on the video file, fast forward/backward playback may not be available with the photo frame.


To stop playback

Press BACK while a video file is being played.

Notes

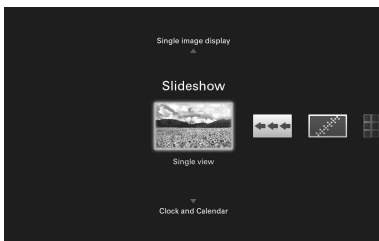
- You cannot play the following type of video file:
 - Video files with copyright protection
 - Video files that exceed the maximum number of pixels either in width or height
- If the photo frame is connected to a TV with an HDMI cable, audio, operating sound and alarm will be output from the TV, not from the photo frame. Adjust the volume on the TV.
- Fast forward/backward playback and playback pause are not available during Slideshow display.
- Video images divided into different files upon shooting cannot be played continuously one after another. Play each file separately.

Enjoying a slideshow

- 1 Press  (SLIDE-SHOW).

Tip

When using the buttons on the photo frame, press VIEW MODE on the upper back of the LCD screen and press \downarrow/\uparrow to select Slideshow.



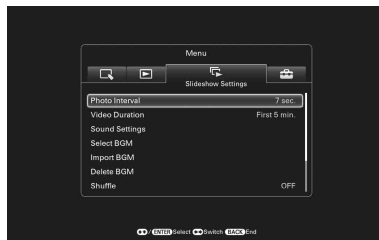
- 2 Press \leftarrow/\rightarrow to select the desired style and press \downarrow/\uparrow .



See “Slideshow display” (page 17) for details on the slideshow styles.

Changing the settings of the slideshow

- 1 Press MENU.
- 2 Press \leftarrow/\rightarrow to select the [Slideshow Settings] tab.



- 3 Press \downarrow/\uparrow to select the item you want to change and press \downarrow/\uparrow . See the tables on the next page for details on the setting items.

Notes

- Note the following when you select a slideshow using the image stored on a memory card.
 - Due to the characteristics of memory card devices, images may be subject to data error when read too often.
 - Do not run a slideshow for a long time with a small number of images. This may cause data error.
 - We recommend you back up images on a memory card often.
- When the photo frame is, for instance, displaying a slideshow, changes to the settings of some items are unavailable. These items are shown in gray and cannot be selected.
- The slideshow starts from the first image if you turn off the photo frame, or if you reset the photo frame.
- When the screen is too bright, it may make you feel nauseous. Be careful not to make the brightness settings too bright when you use the photo frame.

*: Factory default settings

Item	Setting	Description	
Slideshow Settings	Photo Interval	Set a value from 3 sec., 7 sec.*, 20 sec., 1 min., 5 min., 30 min., 1 hour, 3 hours, 12 hours, 24 hours for the interval between images.	
	Video Duration	Set the interval based on playback time from the beginning of the file. Set a value from among First 15 sec., First 30 sec., First 1 min., First 3 min. and First 5 min.* each from the beginning of the file.	
	Note		
	An image may not switch at the intervals you set on the menu, depending on the style of the slideshow, color effect, or image size.		
	Sound Settings	See "Playing a slideshow with background music" (page 27).	
	Select BGM		
	Import BGM		
	Delete BGM		
	Shuffle	ON	Displays images randomly.
		OFF*	Displays images according to the [Listing Order] setting of [General Settings].
	Color effect	Select the desired color effect for photos from among the following:	
		Note	
		When a video file is played, you cannot select any item other than Color.	
		Color*	Displays an image in color.
		Sepia	Displays an image in a sepia color.
		Monochrome	Displays an image in monochrome.
	Correct Img.	Makes the following image corrections at the same time. Exposure Correction: Corrects brightness by using the face-detection function. Focus Correction: Corrects an out-of-focus image.	
	Display Mode	Select the desired display size for photos from among the following:	
		Notes	
		<ul style="list-style-type: none"> • The original image data will not change. • When a video file is played, you cannot select any item other than Entire image. 	
Entire image*		Displays an entire image enlarged to proper size. (An image may be displayed with margins on the top, bottom, left and right.)	
Fit to screen	Enlarges an image to fill the whole screen without changing the aspect ratio.		
	Note	An image may not be displayed with the display size you set on the menu, depending on the style of the slideshow.	

*: Factory default settings

Item	Setting	Description	
Slideshow Settings	Optimize Speaker Output	ON*	Digital signal processing optimizes audio output.
		OFF	Audio output is not optimized.

Playing a slideshow with background music

Importing a music file

- 1 Insert a memory card that contains a music file into the photo frame.
- 2 Press MENU then \leftarrow/\rightarrow to select the [Slideshow Settings] tab.
- 3 Press \downarrow/\uparrow to select [Import BGM] and press \rightarrow .
- 4 Press \downarrow/\uparrow to select the memory card inserted in step 1.
- 5 Select a music file you want to import from the music file list with \downarrow/\uparrow and press \rightarrow .
A check mark (✓) is displayed next to the selected file.
- 6 Repeat step 5 when you want to select two or more files.

Tip

To clear the selection, select the file to be cleared then press \rightarrow . The check mark (✓) next to the selected file disappears.

- 7 Press MENU after you finish selecting the music file(s).
- 8 Press \rightarrow when the confirmation screen is displayed.
The selected music file is imported to internal memory of the photo frame.

Tips

- To delete a music file imported to internal memory, select [Delete BGM] on the [Slideshow Settings] screen in step 2 then press \rightarrow . Press \downarrow/\uparrow to select the music file you want to delete from the music file list and press \rightarrow . The file will be deleted from the music file list.

- Playback of the imported music file is enabled as BGM on a slideshow.
- Only music files imported to internal memory can be played as BGM.
- Up to 40 music files can be imported to internal memory of the photo frame.

Selecting a music file to play

- 1 Press MENU then \leftarrow/\rightarrow to select the [Slideshow Settings] tab.
- 2 Press \downarrow/\uparrow to select [Select BGM] and press \rightarrow .
- 3 Select a music file you want to play from the imported music file list with \downarrow/\uparrow and press \rightarrow .
A check mark (✓) is displayed next to the selected file.
- 4 Repeat step 3 if you want to select two or more music files.
- 5 Press MENU.

Playing background music with a slideshow

Proceed as follows when you play the music file imported to internal memory as BGM with a slideshow using photos or video files.

- 1 Press MENU then \leftarrow/\rightarrow to select the [Slideshow Settings] tab.
- 2 Press \downarrow/\uparrow to select [Sound Settings] and press \rightarrow .
- 3 Press \downarrow/\uparrow to select [Sound for Photos] or [Sound for Videos] then press \rightarrow .
- 4 Make the BGM setting.

Sound for Photos

[BGM ON]: Background music is played while a slideshow of photos is run.

[BGM OFF]: Background music is not played while a slideshow of photos is run.

Sound for Videos

[Video sound]: Audio recorded in a video file is played while a slideshow of a video file is run.

[BGM]: Background music is played while a slideshow of a video file is run.

[OFF]: No audio is played while a slideshow of a video file is run.

Note

Playback of a music file with copyright protection is not available.

To adjust the volume

The volume adjustment screen appears on the right of the screen if you press $\blacktriangledown/\blacktriangle$. To increase the volume, press \blacktriangle . To decrease the volume, press \blacktriangledown .

Tip

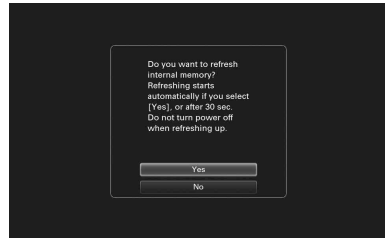
You can adjust the volume on the initial display or single image display.

Refresh mode

Due to one of the characteristics of the device, images stored for a long time or read many times may be subject to data error.

The photo frame refreshes the internal memory automatically to prevent these errors, depending on the status of the internal memory. The confirmation screen for refreshing the internal memory is displayed automatically when the refresh is needed.

The refresh starts automatically when you select [Yes] or when no operation is attempted for 30 seconds. If you select [No], the confirmation screen for refreshing is displayed again when the refresh is needed.



Do not turn off the photo frame while the internal memory is being refreshed. It may cause a malfunction.

It may take approximately 5 minutes to refresh the internal memory.

Notes

- We recommend that you perform a backup of your data periodically to avoid losing it.
- Avoid running a slideshow continuously with fewer than 10 images with the interval set to 3 sec. Doing so could corrupt image data in internal memory.

Maintenance mode

You can update the firmware of your photo frame or initialize its system in this mode.

Tip

Perform firmware update or system initialization of the photo frame in the following cases:

Firmware update:

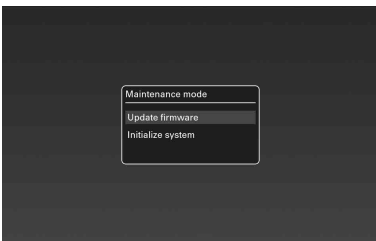
Firmware update allows you to obtain optimum performance and use the photo frame with upgraded functions.

System initialization:

When your photo frame does not start properly, initialize the system of the photo frame. If the symptom persists, consult with your Sony dealer.

Activating maintenance mode

- 1 Confirm that the photo frame is turned off.
- 2 Press **⏻** while holding down VIEW MODE on the photo frame to turn it on.
Hold down VIEW MODE until the following screen appears.



Maintenance mode is activated.

- 3 Press **⏻/↕** to select [Update firmware] or [Initialize system] and press **↔**.

Update firmware:

For detailed information on how to obtain an update file or how to update the

firmware, access and view:
<http://www.sony.net/>

Initialize system:

The operation screen is displayed.
Go to "Initializing the system" below.

Initializing the system

- 1 Press **↔** to select [Yes] in the System initialization screen and press **↔**.

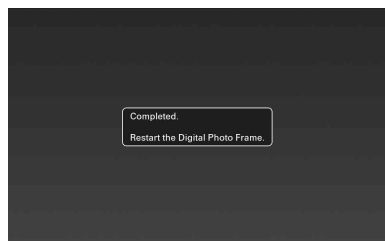



The system of the photo frame is initialized.

Tip

When system initialization has been executed, menu settings and mark information will be deleted, although the image and music data stored in internal memory of the photo frame will not be deleted.

- 2 When a completion message appears, press **⏻** (on/standby) on the photo frame to turn it off.



- 3 Press the reset switch on the rear panel of the photo frame using a small, thin object, etc.
- 4 Press  (on/standby) on the photo frame to turn it on. The system of the photo frame starts.

Tip


It may take 1 minute for the system to start for the first time after initialization.

Importing images from a memory card to internal memory





You can use the photo frame as a digital album by saving important images in the internal memory.

Tips

- When saving images to the internal memory, you can use [Image import size] in the menu to preset whether to resize images to the optimum size or to save them without compressing (page 45).
- When [Image import size] is set to [Resize], up to approximately 4,000 images can be saved in the internal memory. When set to [Original], the number of images that can be saved may vary, depending on the original image file size.

- 1 Press  (IMPORT) when an image stored on the memory card is displayed on the screen.

Tip

When using the buttons on the photo frame, press MENU, select the  (Editing) tab with , select [Import] with , and press .

Single view mode (Single image display)



Slideshow display



- 2** Press \downarrow/\uparrow to select [Import this image], [Import multiple images] or [Import all images] and press \rightarrow .

If you select [Import this image], the image currently displayed is imported to the internal memory. Go to step 5. (This item cannot be selected on the slideshow display.)

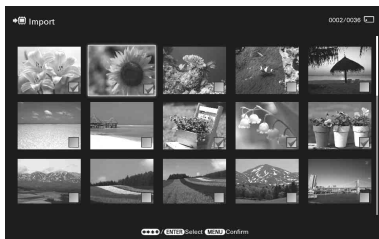
If you select [Import multiple images], you can select the image you want to import from the image list. Go to step 3.

If you select [Import all images], an image list with check marks in the check boxes for all the images is displayed. Go to step 4.

- 3** Press $\leftarrow/\rightarrow/\downarrow/\uparrow$ to select the image to be imported from the image list and press \rightarrow .

A check mark (✓) is added to the selected image.

If you want to import multiple images at a time, repeat this step.



If you want to clear the selection, select the image and press \rightarrow . A check mark (✓) disappears.

About image sorting in the image list

When sort is activated:

Lists all images that meet the sorting criteria.

When sort is not activated:

Lists all images in the device that contains the image currently displayed.

See “Sorting images” (page 37).

- 4** Press MENU.
The folder selection screen is displayed.

- 5** Press \downarrow/\uparrow to select a destination folder and press \rightarrow .
The confirmation screen for importing the image to the internal memory is displayed.



Tip

A new folder is created automatically when you select [New folder].

- 6 Press $\blacktriangledown/\blacktriangle$ to select [Yes] and press $\blackleftarrow/\blackrightarrow$.

The image is saved in the specified folder in the internal memory.

- 7 Press $\blackleftarrow/\blackrightarrow$ when the confirmation screen is displayed.

Notes

- “Import to the internal memory” is not available for images in the internal memory.
- Avoid doing the following while images are being imported to the internal memory. Doing so may damage photo frame, memory card, or the data:
 - Turning off the power
 - Removing an memory card
 - Inserting another card
- Importing video files to internal memory is not available with the buttons on the photo frame. To import a video file, connect a computer to the photo frame and copy a video file on the computer to internal memory of the photo frame. For details, see “Connecting to a computer” (page 51).

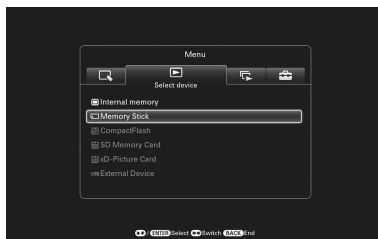
Tip

- You can change the thumbnail size in the image list using $\text{[Q/} \text{Q]}$.
- Due to one of the characteristics of the internal memory device, images stored for long time or used many times may be subject to data error. We recommend that you perform a backup of your data periodically to avoid losing it.

Specifying the playback device

You can specify whether to display images on a memory card or in internal memory.

- 1 Press SELECT DEVICE.



Tips

- When operating from the photo frame, press MENU then $\blackleftarrow/\blackrightarrow$ to select the [▶] (Select device) tab.
- If the memory card you want to select is not inserted, insert it now.

Note

During Clock and Calendar display, you cannot select the [▶] (Select device) tab.


- 2 Press $\blacktriangledown/\blacktriangle$ to select the device you want to display and press $\blackleftarrow/\blackrightarrow$. The images of the selected device are displayed.

Tip

The sorting function is cancelled automatically when you change the playback device during sorting.

Exporting an image from the internal memory to a memory card

You can export the images in the internal memory to a memory card.

- 1 Press MENU when an image stored in the internal memory is displayed on the screen.
- 2 Press \leftarrow/\rightarrow to select the  (Editing) tab.
- 3 Press \downarrow/\uparrow to select [Export] and press \leftarrow/\rightarrow .

Single view mode (Single image display)



- 4 Press \downarrow/\uparrow to select [Export this image], [Export multiple images] or [Export all images] and press \leftarrow/\rightarrow .
If you select [Export this image], the image currently displayed is exported to the device. Go to step 7. (This item cannot be selected on the slideshow display.)
If you select [Export multiple images], you can select the image you want to export from the image list. Go to step 5.
If you select [Export all images], an image list with check marks in the check boxes for all the images is displayed. Go to step 6.

- 5 Press $\leftarrow/\rightarrow/\downarrow/\uparrow$ to select the image to be exported from the image list, and press \leftarrow/\rightarrow .

A check mark (✓) is added to the selected image.

If you want to export multiple images at a time, repeat this step.

If you want to clear the selection, select the image and press \leftarrow/\rightarrow . A check mark (✓) disappears.

About image sorting in the image list

When sort is activated:

Lists all images that meet the sorting criteria.

When sort is not activated:

Lists all images in the internal memory.

See “Sorting images” (page 37).

- 6 Press MENU.
The screen for selecting the memory card to which the image is exported is displayed.
- 7 Press \downarrow/\uparrow to select a memory card to which the image is exported, and press \leftarrow/\rightarrow .



Continued

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- 8** Press \downarrow/\uparrow to select a destination folder and press \rightarrow .
- The confirmation screen for exporting the image is displayed.



Tip

A new folder is created automatically when you select [New folder].

- 9** Press \downarrow/\uparrow to select [Yes] and press \rightarrow .
- The image is exported.

- 10** Press \rightarrow when the confirmation screen is displayed.
- The image is copied to the specified memory card.

Note

Avoid doing the following while an image is being exported. Doing so may damage the photo frame, memory card, or data:

- Turning off the power
- Removing an memory card
- Inserting another memory card

Tips

- You can also use the MENU button on the photo frame for exporting.
- You can change the thumbnail size in the image list using [\mathcal{Q}/\mathcal{Q}].
- Any device that is not recognized by the photo frame is shown in gray and you cannot select it.
- “Export from the internal memory” is also available for video files.

Deleting an image

- 1** Press \rightarrow (DELETE) when an image is displayed on the screen.

Tip

If using the buttons on the photo frame, press MENU, select the \rightarrow (Editing) tab with \leftarrow/\rightarrow , select [Delete] with \downarrow/\uparrow , and press \rightarrow .

- 2** Press \downarrow/\uparrow to select [Delete this image], [Delete multiple images] or [Delete all images] and press \rightarrow .
- If you select [Delete this image], the image currently displayed is deleted. Go to step 5. (This item cannot be selected on the slideshow display.)

If you select [Delete multiple images], you can select the image you want to delete from the image list. Go to step 3.

If you select [Delete all images], an image list with check marks in the check boxes for all the images is displayed. Go to step 4.

- 3** Press $\leftarrow/\rightarrow/\downarrow/\uparrow$ to select the image to be deleted from the image list, and press \rightarrow .

A check mark (✓) is added to the selected image.

If you want to delete multiple images at a time, repeat this step.

If you want to clear the selection, select the image and press \rightarrow . A check mark (✓) on the image disappears.

About image sorting in the image list

When sort is activated:

Lists all images that meet the sorting criteria.

When sort is not activated:

Lists all images in the device that contains the image currently displayed.

See “Sorting images” (page 37).

- 4** Press MENU.
The delete confirmation screen is displayed.
- 5** Press $\blacktriangledown/\blacktriangle$ to select [Yes] and press \leftarrow/\rightarrow .
The image is deleted.
- 6** Press \leftarrow/\rightarrow when the confirmation screen is displayed.


Notes

- Avoid doing the following while an image is being deleted. Doing so may damage the photo frame, memory card, or data:
 - Turning off the power
 - Removing an memory card
 - Inserting another memory card
- When the message [Cannot delete a protected file.] appears on the screen, the image file was set to “Read Only” on a computer. In this case, connect the photo frame to a computer, and delete this file using the computer.
- The total capacity of the internal memory is not equal to the remaining capacity even immediately after initialization.
- Once deletion has started, the deleted image cannot be recovered even if you stop deletion. Delete images only after confirming you actually want to delete them.

Tip


You can change the thumbnail size in the image list using $\left[\oplus/\ominus\right]$.

To format the internal memory


- 1** Press MENU.
- 2** Press $\blackleftarrow/\blackrightarrow$ to select the  (Settings) tab.
- 3** Press $\blacktriangledown/\blacktriangle$ to select [Initialize] and press \leftarrow/\rightarrow .
- 4** Press $\blacktriangledown/\blacktriangle$ to select [Format internal memory] and press \leftarrow/\rightarrow .
The confirmation screen for initializing the internal memory is displayed.
- 5** Press $\blacktriangledown/\blacktriangle$ to select [Yes] and press \leftarrow/\rightarrow .

Registering a mark

You can produce a slideshow only with images which have been selected beforehand and have been marked. You can easily check the images with marks using the index image display or single view mode.

- 1** Press  (MARKING) when an image is displayed on the screen.

Tip

When using the buttons on the photo frame, press MENU, select the  (Editing) tab with $\blackleftarrow/\blackrightarrow$, select [Marking] with $\blacktriangledown/\blacktriangle$, and press \leftarrow/\rightarrow .

- 2** Press $\blacktriangledown/\blacktriangle$ to select the desired mark and press \leftarrow/\rightarrow .



- 3** Press $\blacktriangledown/\blacktriangle$ to select [Mark this image], [Mark/Unmark multiple images] or [Mark all images] and press \leftarrow/\rightarrow .

If you select [Mark this image], the image currently displayed will be marked. Go to step 6. (This item cannot be selected on the slideshow display.)

If you select [Mark/Unmark multiple images], you can select the image to which you want to attach a mark from the image list. Go to step 4.

If you select [Mark all images], an image list with check marks in the check boxes for all the images is displayed. Go to step 5.

- 4** Press $\leftarrow/\rightarrow/\downarrow/\uparrow$ to select the image to be marked from the image list, and press \rightarrow/\leftarrow .

A check mark (✓) is added to the selected image.

If you want to mark multiple images at a time, repeat this step.

If you want to clear the selection, select the image and press \rightarrow/\leftarrow . A check mark (✓) disappears from the image.

About image sorting in the image list

When sorting is activated:

Lists all images that meet the sorting criteria.

When sorting is not activated:

Lists all images in the device that contains the image currently displayed.

See “Sorting images” (page 37).

- 5** Press MENU.

The confirmation screen appears.

- 6** Press \downarrow/\uparrow to select [Yes] and press \rightarrow/\leftarrow .

The mark is attached to the selected image.

Note

A mark is saved only when it is registered with an image in the internal memory. A mark registered with an image on a memory card is removed when the power is turned off, or if you change the device being displayed.

Tips

- You can select a mark from among three types.
- You can change the thumbnail size using [Q/Q] in the image list.

To delete the registration of a mark

Select [Unmark this image] or [Unmark all images] and press \rightarrow/\leftarrow in step 3. You can also cancel the selection when you remove the check mark from the check box.





- [Unmark this image]:
Removes a mark from the image currently displayed. (This item cannot be selected on the slideshow display.)
- [Unmark all images]:
When sort is activated:
Unmarks all images that meet the sorting criteria.
When sort is not activated:
Unmarks all images in the device that contains the image currently displayed.




Sorting images

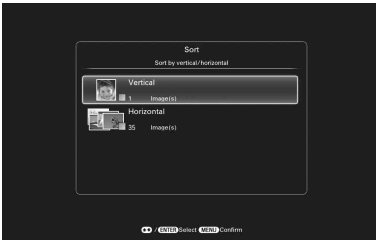
You can sort images stored in the internal memory or on a memory card by event, folder, image orientation, marks, etc.

- 1 Press SORT when an image is displayed on the screen.




Tip

When using the buttons on the photo frame, press MENU, select the  (Editing) tab with , select [Sort] with , and press .

- 2 Select a sort style using / and press .




- [Sort by event]:
Filters by type of event.
- [Sort by folder]:
Filters by folder.
- [Sort by vertical/horizontal]:
Filters by image orientation.
- [Sort by mark]:
Filters by mark registered.
- [Sort by videos/photos]
Filters according to files that contain videos or photos.

- 3 Press / to select the item and press .

- 4 Repeat step 3 then press MENU when sorting is finished.

To cancel the sort

Press MENU while the sorted images are displayed, select [Exit sort (show all photos)] and press .

To change the sort style

Press BACK while the sorted images are displayed then select [Reselect].

Notes

- Do not turn the photo frame off or remove the memory card during sorting. Doing so may damage the photo frame or the memory card or corrupt the data.
- Sort is automatically canceled in the following cases:
 - When the playback device is changed
 - When images on a memory card are sorted and the memory card is removed.
- Video files are not selected when you sort images using [Sort by event] as the shooting dates can not be obtained for video files. They will be sorted by [No shooting date].

Adjusting image size and orientation

Enlarging/reducing an image

You can enlarge or reduce an image in single view mode.

To enlarge an image, press \oplus (zoom in) on the remote control. To reduce an enlarged image, press \ominus (zoom out). Each press of the \oplus button enlarges the image further. You can enlarge an image to a maximum of 5 times the original scale. You can move an enlarged image up, down, left, and right.

To save an enlarged or reduced image

- 1 Press MENU while the enlarged or reduced image is displayed.
- 2 Press \uparrow/\downarrow to select the saving method.
If you select [Save as new image], a copy of the image is saved. Go to step 3.
If you select [Overwrite], the new image overwrites the old image. Go to step 3.
- 3 Press \downarrow/\uparrow to select the device on which the image is saved and press \leftarrow/\rightarrow .
- 4 Press \uparrow/\downarrow to select a destination folder and press \leftarrow/\rightarrow .
- 5 Press \downarrow/\uparrow to select [Yes] and press \leftarrow/\rightarrow .
The image is saved.
- 6 When the confirmation screen appears, press \leftarrow/\rightarrow .

Tip

If you move the enlarged image with $\leftarrow/\rightarrow/\uparrow/\downarrow$ and press MENU in step 1, the image is trimmed into the displayed image size and saved.

Notes

- You cannot overwrite files except for a JPEG file (extension: .jpg or .jpeg).
- Enlarging an image may reduce the quality depending on the image size.

- It is not possible to enlarge an image using the buttons on the photo frame.
- A video file cannot be enlarged or reduced.

Rotating an image

You can rotate an image during single view mode.

Operate from the menu of the photo frame

- 1 Press MENU in single view mode.
- 2 Press \leftarrow/\rightarrow to select the \square (Editing) tab.
- 3 Press \downarrow/\uparrow to select [Rotate] and press \leftarrow/\rightarrow .



- 4 Press \downarrow/\uparrow to select the direction to rotate and press \leftarrow/\rightarrow .
 - \square (Rt): Rotates an image 90 degrees clockwise.
 - \square (Lft): Rotates an image 90 degrees counterclockwise.

Note

An enlarged image cannot be rotated.


Tips

- You can also rotate an image with \square (ROTATE) on the remote control. The image rotates 90 degrees counterclockwise every time you press the button.
- For an internal memory image, image rotation data will be retained even after the power is turned off.

- You can rotate the image of the index image display.
- You cannot rotate a video file.

Changing the settings of the auto power on/off function

You can use the timer function to turn the photo frame on or off automatically when the photo frame is turned on.

- 1 Press MENU.
- 2 Press ←/→ to select the  (Settings) tab.
- 3 Press ↓/↑ to select [Auto Power ON/OFF] and press ↵.



- 4 Press ↓/↑ to select [Setup method] and press ↵. Press ↓/↑ to select [Advanced], [Simple] or [Auto off], and press ↵.

[Advanced]:

Sets the auto power on/off function in one-hour increments for each day of the week.

[Simple]:

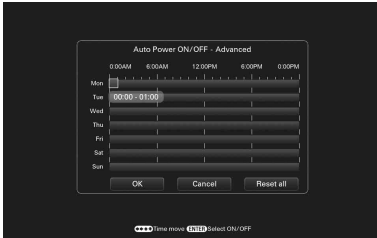
Sets the auto power on/off function finely in one minute increments.

[Auto off]:

Sets the auto power off when a certain time has elapsed after the photo frame is turned on during which any operation is performed. You can select elapsed time of two or four hours.

- 5 Press \downarrow to select [Time Setting], and press \leftarrow .

[Advanced]



- ① Press \leftarrow / \rightarrow / \downarrow / \uparrow to select the time you want to use the auto power on/off function.

You can select the time in one-hour increments for each day of the week (from Monday to Sunday). When you select the time and press \leftarrow , the selected time zone changes to blue. During the time indicated in blue the power of the photo frame will be on. When you select the blue time zone and press \leftarrow , the selected time zone changes to gray. During the time indicated in gray the power of the photo frame will be off.

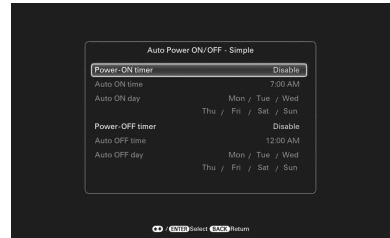
Tip

The power is turned off automatically at the time you set for [Power-OFF timer] when you are using the photo frame.

The power is turned on automatically at the time you set for [Power-ON timer] during standby mode.

- ② Press \leftarrow / \rightarrow / \downarrow / \uparrow to select [OK] and press \leftarrow .

[Simple]



- ① Select an item for which you want to set the time.

Press \downarrow / \uparrow to select [Power-ON timer] or [Power-OFF timer] and press \leftarrow . Press \downarrow / \uparrow to select [Enable] and press \leftarrow .

- ② Set the time at which you want to activate the Power-ON timer or Power-OFF timer.

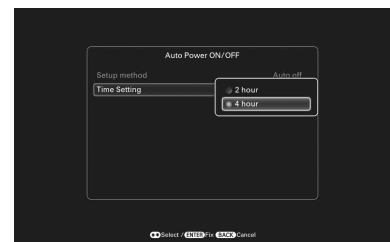
Press \downarrow / \uparrow to select [Auto ON time] or [Auto OFF time] and press \leftarrow . Press \leftarrow / \rightarrow to select the hour or minute, press \downarrow / \uparrow to set the hour or minute, and press \leftarrow .

- ③ Set the day of the week on which you want to activate the timer.

Press \downarrow / \uparrow to select [Auto ON day] or [Auto OFF day] and press \leftarrow . Press \downarrow / \uparrow to select the day of the week on which you want to activate the timer and press \leftarrow . The selected day of the week is checked.

Press \downarrow / \uparrow to move the cursor to [OK] and press \leftarrow .

[Auto off]



Press $\blacktriangledown/\blacktriangle$ to select [2 hour] or [4 hour] and press \blacklozenge .

6 Press MENU.

Using the alarm function

You can use the photo frame as an alarm clock. An alarm will sound and an alarm screen will be displayed to notify you when the specified alarm time on the specified day of the week arrives.

1 Set the alarm timer.

- ① Press $\blacktriangledown/\blacktriangle$ to select [ON/OFF] and press \blacklozenge .
- ② Press $\blacktriangledown/\blacktriangle$ to select [ON] and press \blacklozenge .

2 Set the alarm time.

- ① Press $\blacktriangledown/\blacktriangle$ to select [Time] and press \blacklozenge .
- ② Press $\blacktriangledown/\blacktriangle$ to select the time and press \blacklozenge .

3 Set the day of the week.

- ① Press $\blacktriangledown/\blacktriangle$ to select [Day] and press \blacklozenge .
- ② Press $\blacktriangledown/\blacktriangle$ to select the day of the week and press [OK].

Tip

Every day of the week is marked with a check mark at the factory. Remove the check marks for any days of the week for which you do not wish the alarm set.


4 Set the alarm sound.

- ① Press $\blacktriangledown/\blacktriangle$ to select [Alarm sound] and press \blacklozenge .
A list of the music files imported to internal memory for a slideshow (page 27) is displayed.
- ② Press $\blacktriangledown/\blacktriangle$ to select a desired music file from the list and press \blacklozenge .

5 Set the alarm volume.

- ① Press $\blacktriangledown/\blacktriangle$ to select [Alarm volume] and press \blacklozenge .
- ② Press $\blacktriangledown/\blacktriangle$ to select the volume (1 to 7) and press \blacklozenge .

To turn off the alarm

Press any button on the photo frame other than  (on/standby) button.

Tips

- To change the clock setting, see “Setting the current time” (page 14).
- Power-OFF timer does not function while the alarm is sounding.

Note




An alarm sound is output from a TV when the photo frame is connected to the TV with an HDMI cable.

Changing the settings




You can change the following settings.

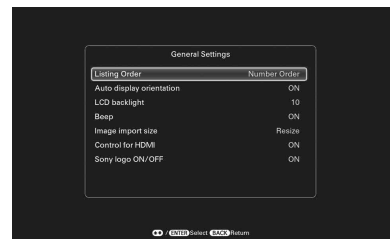
- Picture mode
- Alarm Settings
- Auto Power ON/OFF
- Date/time Settings
- General Settings (Listing Order, Sony logo ON/OFF, etc.)
- Language Setting
- Initialize

Setting procedure

- 1 Press MENU.
- 2 Press /  to select the  (Settings) tab.



- 3 Press /  to select the item you want to change and press . The setting screen of the selected item is displayed.



For example, when [General Settings] is selected.

- 4** Press $\blacktriangledown/\blacktriangle$ to select the item you want to change and press \blacklozenge .
This enables you to set each of the items (page 44).

Note


When the photo frame is, for instance, displaying a slideshow, some settings of some items cannot be changed. They are displayed in gray and cannot be selected.

- 5** Press $\blacktriangledown/\blacktriangle$ to select a setting value and press \blacklozenge .
Each time you press $\blacktriangledown/\blacktriangle$, the setting value changes. In the case of a numerical value, press \blacktriangle to increase the value and press \blacktriangledown to decrease it.

If you press \blacklozenge , the setting is confirmed.

- 6** Press MENU.
The menu closes.

To reset to factory default settings

- 1** Press MENU then select the  (Settings) tab by pressing $\blackleftarrow/\blackrightarrow$.
- 2** Press $\blacktriangledown/\blacktriangle$ to select [Initialize] and press \blacklozenge .
- 3** Press $\blacktriangledown/\blacktriangle$ to select [Initialize settings] and press \blacklozenge .
All adjusted values, except for the clock settings, are reset to the default settings.

Tip

You can also use the MENU button on the photo frame.

Items to set

*: Factory default settings

Item	Setting	Description	
Picture mode	Portrait	Displays an image with optimum contrast and natural color.	
	Standard*	Displays an image impressively and with enhanced color.	
	Vivid	Displays an image more vividly using high chroma saturation and sharpness.	
Alarm Settings	Sets the alarm function (page 41).		
Auto Power ON/OFF	Sets the timer function which turns the power of the photo frame on or off automatically. You can use this function with the following settings (page 39).		
	Advanced*	You can set the auto power on/off time in one-hour increments for each day of the week.	
		OK	If you press this button after setting the auto power on/off time or day of the week, the setting is confirmed and the previous screen is restored.
		Cancel	If you press this button after setting the auto power on/off time or day of the week, the operation is canceled and the previous screen is restored.
		Reset all	If you press this button after setting the auto power on/off time or day of the week, all the setting times are deleted.
	Simple	You can set the auto power on/off time in one-minute increments (page 39).	
		Power-ON timer	You can set the timer (time/day of the week) for when the power is to be turned on automatically.
		Power-OFF timer	You can set the timer (time/day of the week) for when the power is to be turned off automatically.
	Auto off	You can specify two or four* hours after power on at which the photo frame is to shut itself off if any button on the photo frame is pressed.	
	OFF	The Auto Power ON/OFF function is not activated.	
Date/time Settings	Sets the Date, Time, First day of the week, etc. (page 14).		

*: Factory default settings

Item	Setting	Description		
General Settings	Listing Order	Sets the display order of images. This setting affects the order in [Slideshow Settings].		
		Shoot. Date	Displays images in order of shooting date. Note Shoot. Date is not displayed for video files.	
		Number Order*	Displays images in order of file number.	
	Auto display orientation	ON*/OFF: You can rotate the display orientation for images automatically according to the orientation of the photo frame.		
	LCD backlight	Sets the brightness of the backlight of the LCD screen to a level from 1 to 10*.		
	Beep	ON*/OFF: Sets the beep sound on/off.		
	Image import size	Resize*	Resizes the images and save image files to the internal memory when importing them from a memory card. You can save more images. However, when the images are displayed on a large monitor via a computer, etc., they will have lower resolution than the originals.	
		Original	Saves images to the internal memory without compressing them. There is no deterioration, but you can save fewer images.	
	Control for HDMI (DPF-XR100 only)	ON*/OFF: Sets whether to enable or disable the HDMI control function. When set to ON, the TV connected via the HDMI connector on the photo frame automatically switches to video input mode, displaying the images stored in the photo frame. The photo frame can be operated with the remote control of the TV.		
	Sony logo ON/OFF	ON*/OFF: You can set whether the photo frame's Sony logo lights or not.		
System Information	Version	Displays the version of the firmware of the photo frame.		
	Internal memory	Memory capacity	Indicates the maximum amount of space available in internal memory in the initial state.	
		Remaining capacity	Indicates the amount of free space currently available in internal memory.	
Language Setting	Sets the display language on the LCD screen. Japanese, English*, French, Spanish, German, Italian, Russian, Korean, Simplified Chinese, Traditional Chinese, Dutch, Portuguese, Arabic, Persian, Hungarian, Polish, Czech, Thai, Greek, Turkish, Malay, Swedish, Norwegian, Danish, Finnish Note Default language setting may vary in some regions.			

*: Factory default settings

Item	Setting	Description
Initialize	Format internal memory	You can format the internal memory. Notes <ul style="list-style-type: none">• All the images added to the internal memory will be deleted.• Do not format the internal memory by using other devices such as a computer.
	Initialize settings	Returns all settings to their factory defaults except for the current date and time setting of [Date/time Settings].

Connecting to a high-definition TV (DPF-XR100 only)

Connecting to a high-definition TV

The photo frame is capable of HDMI output. If you connect the photo frame to a TV with an HDMI input, you can display images in higher definition on the TV.

About “PhotoTV HD”

The photo frame supports “PhotoTV HD”. “PhotoTV HD” is a function for expressing subtle textures and color tones in high definition, giving the appearance of real photos. You can combine Sony devices that support “PhotoTV HD” together to enjoy photos at beautiful full HD quality.

Note

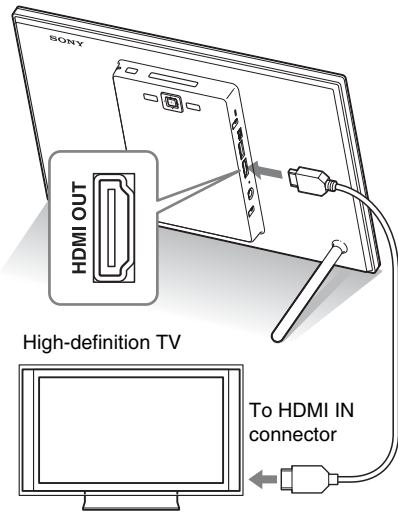
Depending on the original images, high-definition display may not be possible.

- 1 Connect the AC power adaptor to the photo frame and connect the AC power adaptor to an AC outlet (supplied Operating instructions, “Turning the photo frame on”).
- 2 Prepare a commercially available HDMI cable.

Notes

- Use an HDMI cable that is less than 3 meters long.
- Use an HDMI cable with the HDMI logo.
- Connection to a TV input except for an HDMI input using a conversion/adaptor cable or connector is not guaranteed.

- 3 Connect the HDMI OUT connector (A type connector) of the photo frame and the HDMI IN connector of the TV.



- 4 Turn on the photo frame (page 13).
- 5 Change the input of the TV. If the connected TV is compatible with control for HDMI and is in standby mode, the TV turns on automatically when you turn on the photo frame. Also, the input of the TV is changed automatically, and images and audio are output.

Notes

- Operation is not guaranteed with all TVs.
- If you connect a TV, the LCD screen of the photo frame turns off.
- If the photo frame is connected to a TV with an HDMI cable, audio, operating sound and alarm will be output from the TV, not from the photo frame. Adjust the volume on the TV.
- If [Control for HDMI] is set to off in the TV settings, the input is not changed automatically. The setting method differs depending on the TV. Refer to the operating instructions supplied with the TV.
- If you are using a TV that does not support control for HDMI or the input is not switched automatically, change the TV's input manually.
- The method used for changing the input differs depending on the TV. Refer to the operating instructions supplied with the TV.
- Do not connect or disconnect the HDMI cable while images are added to the internal memory or they are being exported or deleted. In such a case, these operations are cancelled.

Using the remote control of a TV to operate the photo frame

If your TV supports the control for HDMI function, you can use the remote control of your TV to operate the photo frame.

Notes

- We cannot guarantee operation with all types of TVs.
- When the remote control of your Sony TV is equipped with a link menu button, you can use the remote control to operate the photo frame.
- To operate the photo frame, the [Menu], [Enter], [Return] buttons support the control for HDMI.
- If the control for HDMI setting of your TV is off, TV's remote control operation for the photo frame is not available. Settings differ depending on the TV you use. For details, refer to the operating instructions supplied with your TV.
- If [Control for HDMI] is set to [OFF] on the photo frame, TV's remote control operation is not available.

Basic operations of the photo frame with a TV's remote control

- The cursor is moved by pressing [Left], [Right], [Up], [Down] when the cursor is displayed on the screen, for example, when a list or menu is displayed.
- When no cursor is displayed, for example, in single view, press [Enter]. The operation panel of the photo frame is displayed on the TV screen. Press [Left], [Right], [Up], [Down] on the TV's remote control to select the desired button then press [Enter].



- To hide the operation panel, select [X] on the upper right corner of the operation panel, or press the BACK button on the photo frame or on the remote control.

Note

With the TV's remote control, you cannot perform the following operations:

- Zooming in/Zooming out
- Crop and save
- Import/Export/Sort/Marking/Delete
- Select BGM/Import BGM/Delete BGM

On control for HDMI

When the [Control for HDMI] is set to [ON], you can use the following operations:

- You can turn off the photo frame together with the TV.
- You can switch TV's input mode to the photo frame automatically by connecting the photo frame to a TV before the photo frame is turned on or after it is turned on. If the TV is in standby mode, the TV is also turned on.
- You can operate the photo frame using the TV's remote control.
- If you change the display language on the TV while the TV and the photo frame are connected, the display language on the photo frame is automatically changed, as well.

Note

To enable the above functions, your TV must support the relevant function.

What is "BRAVIA Sync"

The "BRAVIA Sync" is a name of a feature of Sony products that uses the HDMI control signals and enables you to control linked operations of a "BRAVIA Sync"-ready product from a BRAVIA control unit.

By connecting the photo frame and a "BRAVIA Sync"-compatible TV with an HDMI cable, you can use a BRAVIA control unit to perform linked operations.

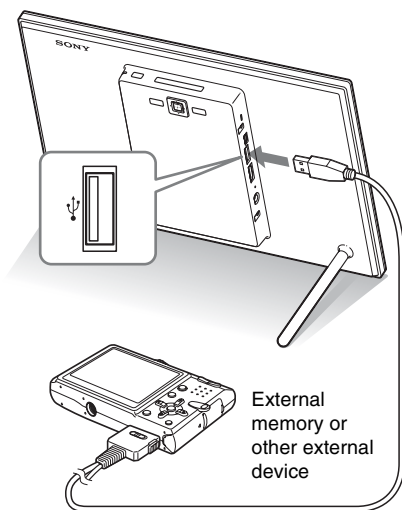
Operating an external device connected to the photo frame

You can connect a mass-storage-compatible digital camera, USB memory device, photo storage device, or other external device to the photo frame and display an image directly from the external device.

Notes

- We cannot guarantee connection with all types of external devices.
- The playback device will be switched to the external device if you connect the external device to the USB A connector during playback of the image in the internal memory.

- 1** Connect the AC power adaptor to the photo frame and connect the AC power adaptor to an AC outlet. (supplied Operating instructions, "Turning the photo frame on").
- 2** Set the digital camera or external device to mass storage connection mode.
The setting and operation method required before connecting differ depending on the digital camera or external device. Refer to the operating instructions supplied with the digital camera or external device. (If you are using a Cyber-shot, set "USB Connect" to [Normal] or [Mass Storage].)
- 3** Turn on the photo frame (page 13).
- 4** Connect the digital camera or external device to the USB A connector on the photo frame. Use the USB cable supplied with the digital camera or external device to connect to the photo frame.



5 Select the playback device (page 32).

An image in the device is displayed on the screen.

For details on the slideshow, see page 24.

For details on adding images to the internal memory, see page 30.

Notes

- When using a commercially available USB cable, use an A-Type USB cable that is less than 3 meters long.
- Do not disconnect the USB cable or turn the photo frame and external device off while the access lamp on the external device is flashing. Doing so may damage the data stored in the external device. Sony assumes no responsibility for any damage or loss of data.
- A USB hub or USB device with a built-in USB hub may not work properly.
- The photo frame cannot use data that has been encrypted or compressed using, for instance, fingerprint authentication or a password.
- Use a USB cable with the USB logo.

Connecting to a computer

Connecting to a computer allows you to view images in the internal memory of the photo frame with a computer and copy them to a computer and to copy images from a computer to the photo frame.

System requirements

To connect a computer to the photo frame, your computer must satisfy the following recommended system requirements.

■ Windows

Recommended OS: Microsoft Windows 7 / Windows Vista SP2 / Windows XP SP3

Port: USB port

■ Macintosh

Recommended OS: Mac OS X (v10.4 or later)

Port: USB port

Notes

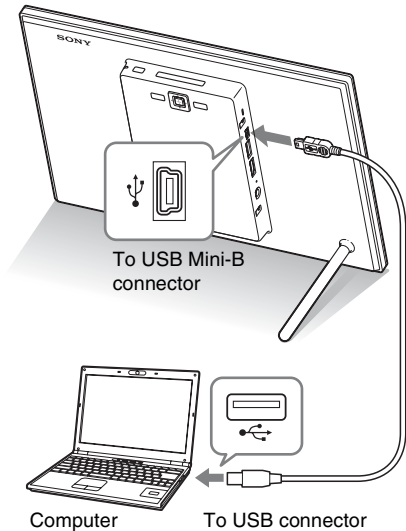
- If multiple USB devices are connected to a computer or if a hub is used, a problem may occur.
- You cannot operate the photo frame from another USB device being used simultaneously.
- Do not disconnect/connect the USB cable during data communication.
- Operation with all computers that satisfy the recommended system requirements is not guaranteed.
- The photo frame has been demonstrated as operable when connected to a computer or Sony digital photo printer. When other devices are connected to the photo frame, these devices may not recognize the internal memory of the photo frame.
- Do not format the internal memory of the photo frame on a computer. To format the internal memory, disconnect the USB cable from the photo frame, display the menu of the photo frame, and select [Format internal memory] (page 35).

Connecting to a computer to exchange images

Note

This section shows an example for a connection for Microsoft Windows Vista. Depending on the OS you use, the screen display and procedures may vary.

- 1** Connect the AC power adaptor to the photo frame and connect the AC power adaptor to an AC outlet. (supplied Operating Instructions, "Turning the photo frame on").
- 2** Connect the computer and photo frame with a commercially available USB cable.



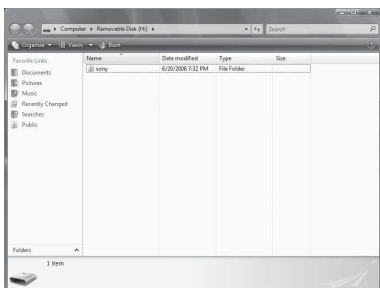
Note

Use a Mini-B-Type USB cable that is less than 3 meters long.

- 3** Turn the photo frame on (page 13).

4 When the [AutoPlay] window appears on the computer display, click [Open folder to view files]. If the [AutoPlay] window does not appear, click [Computer (My Computer)] in the Start menu, then open the removable disc.

5 Move the cursor in this window and right-click, then click [New] - [Folder]. Name this new folder. In this manual, the folder name “sony” is used as an example.



6 Double click to open this “sony” folder.

7 Open the folder that contains the image file you want to copy, and copy the image file to the “sony” folder by using drag-and-drop.



Notes

- When saving images from a computer in the internal memory, make a folder in the internal memory on a computer and save the images in this folder. If you do not make a folder, you can only save up to 512 images. In addition, the number of images may be reduced depending on the file name length or character type.
- If you edit or save an image file on a computer, the shooting date of the file may be changed or erased. In this case, images may not be displayed in order of the shooting date on the index image display.
- When images from the computer are saved in the internal memory of the photo frame, the image files are saved without being compressed. As a result, a fewer number of images may be saved in the internal memory of the photo frame.

- Image files made or edited on a computer may not be displayed. Image files set to “Read Only” on a computer cannot be deleted on the photo frame. Cancel “Read Only” before saving image files from a computer on the photo frame.

Disconnecting your computer

Disconnect the USB cable or turn the photo frame off after disconnecting it from your computer.

- 1** Double-click  (disconnection) on the Task Tray.
- 2** Click  (USB Mass Storage Device) → [Stop].
- 3** Click [OK] after checking the drive you want to remove.

If an error message appears

If an error occurs, one of the following error messages may be displayed on the LCD screen of the photo frame. Follow the corresponding solution below to solve the problem.

Error message	Meaning/Solutions
No Memory Stick. / No CompactFlash card. / No SD Memory Card. / No xD-Picture Card. / No External Device.	<ul style="list-style-type: none">• A memory card is not inserted in a slot. Or, an external device is not connected to the USB A connector. Insert a memory card in the corresponding slot. Or, connect an external device. (pages 15, 49)
An incompatible Memory Stick is inserted. / An incompatible CompactFlash card is inserted. / An incompatible SD Memory Card is inserted. / An incompatible xD-Picture Card is inserted. / An incompatible External Device is inserted.	<ul style="list-style-type: none">• An unsupported memory card is inserted. Or, an unsupported external device is connected to the USB A connector. Use a memory card or external device that is supported by the photo frame.
No images on file.	<ul style="list-style-type: none">• There is no image file that can be displayed on the screen of the photo frame on the memory card or the external device. Use a memory card or external device containing image files that can be displayed with the photo frame.
Cannot delete a protected file.	<ul style="list-style-type: none">• To delete a protected file, cancel the protection on your digital camera or computer.
Memory card is protected. Remove protection then try again.	<ul style="list-style-type: none">• The memory card is write-protected. Slide the write-protect switch to the enabled position (page 60).
The Memory Stick is full. / The CompactFlash card is full. / The SD Memory Card is full. / The xD-Picture Card is full. / The External Device is full.	<ul style="list-style-type: none">• No more data can be saved because the memory card, the internal memory, or the external device is full. Delete images, or use a memory card or external device with free space available.

Error message	Meaning/Solutions
Error reading the Memory Stick. / Error reading the CompactFlash card. / Error reading the SD Memory Card. / Error reading the xD-Picture Card. / Error reading the internal memory./ Error reading the External Device.	<ul style="list-style-type: none"> • An error has occurred. If this error message is displayed frequently, check the status of the memory card or external device with a device other than the photo frame. • For an external device: The external device may be write-protected. Cancel the write-protection setting for the device you are using. The internal memory of a digital camera may be write-protected. • For an internal memory: Initialize the internal memory. <p>Note When you initialize the internal memory, please note that all the image files imported to the internal memory are deleted.</p>
Write error on the Memory Stick. / Write error on the CompactFlash card. / Write error on the SD Memory Card. / Write error on the xD-Picture Card. / Write error on the internal memory./ Write error on the External Device.	
The Memory Stick is read only.	<ul style="list-style-type: none"> • A “Memory Stick-ROM” is inserted. To save the images, use the “Memory Stick” recommended.
The Memory Stick is protected.	<ul style="list-style-type: none"> • A protected “Memory Stick” is inserted. To edit and save the images, use an external device to remove protection.
Memory card format not supported.	<ul style="list-style-type: none"> • For a memory card, use your digital camera or other device to format the memory card. • For the internal memory, initialize it with the photo frame. <p>Note When you initialize the media, all the files on the media will be deleted.</p>
Cannot open the image.	<ul style="list-style-type: none"> • The photo frame cannot display or open an image file whose format is not supported.
No more USB hubs can be connected.	<ul style="list-style-type: none"> • Connect the device directly to the photo frame, or use a device without a built-in USB hub.
Incompatible USB device. Check device’s USB settings.	<ul style="list-style-type: none"> • A mass-storage-incompatible device is connected or the USB setting on an external device is not set for mass storage. Connect to a mass-storage-compatible device or check the USB setting and change it to mass storage on the external device.

If trouble occurs

Before submitting the photo frame for repair, try using the following guidance to solve the problem. If the problem persists, consult with your Sony dealer or Sony service facilities.



Power supply

Symptom	Check item	Cause/Solutions
The power is not turned on.	<ul style="list-style-type: none"> Is the AC power plug inserted correctly? 	→ Insert the power plug properly.

Displaying images


If the power is turned on but images are not displayed or the settings of the operation screen cannot be configured, confirm the following check items.

Symptom	Check item	Cause/Solutions
No images are displayed on the screen.	<ul style="list-style-type: none"> Is a memory card inserted or an external device connected properly? 	→ Insert a memory card or connect an external device properly (pages 15, 49).
	<ul style="list-style-type: none"> Does the memory card contain images saved with a digital camera or other device? Are images stored on the external device? 	→ Insert a memory card containing images or connect an external device containing images. → Check the file formats that can be displayed (supplied Operating instructions, "Specifications").
	<ul style="list-style-type: none"> Is the file format compatible with DCF? 	→ A file that is not compatible with DCF may not be displayed with the photo frame, even if it can be displayed with a computer.
Images are not played back in the order of shooting date.	<ul style="list-style-type: none"> Were these images saved from a computer? Were these images edited on a computer? 	→ The information on the shooting date may be changed or lost when you edit or save an image file on a computer.

Symptom	Check item	Cause/Solutions
Some images are not displayed.	<ul style="list-style-type: none"> Are the images displayed in the index view? 	<ul style="list-style-type: none"> → If an image is displayed in the index view but cannot be displayed as single image, the image file may be damaged even though its thumbnail preview data is fine. → A file that is not compatible with DCF may not be displayed with the photo frame, even if it can be displayed with a computer.
	<ul style="list-style-type: none"> Does the mark displayed below appear in the index view? 	<ul style="list-style-type: none"> → If the mark shown on the left is displayed, the image file may not be supported by the photo frame because, for example, it is a JPEG file that was created with your computer. Or, the image file may be supported, but may not contain thumbnail data. Select the mark and press \leftarrow to change the screen to the single image display. If the mark on the left is displayed again, the image cannot be displayed because the image file is not supported by the photo frame.
	<ul style="list-style-type: none"> Were the images created with an application on a computer? 	
	<ul style="list-style-type: none"> Does the mark displayed below appear in the index view? 	<ul style="list-style-type: none"> → If the mark shown on the left is displayed, the image file is supported by the photo frame, but the thumbnail data or image itself cannot be opened. Select the mark and press \leftarrow. If the mark shown on the left is displayed again, the image cannot be displayed.
	<ul style="list-style-type: none"> Are there more than 9,999 images in the internal memory, memory card or external device? 	<ul style="list-style-type: none"> → The photo frame can play, save, delete, etc. up to 9,999 image files.
	<ul style="list-style-type: none"> Did you rename the file with a computer or other device? 	<ul style="list-style-type: none"> → If you named or renamed the file on a computer and the file name includes characters other than alphanumeric characters, the image may not be displayed on the photo frame.
	<ul style="list-style-type: none"> Is there a folder with more than 8 levels in its hierarchy on the memory card or in the external device? 	<ul style="list-style-type: none"> → The photo frame cannot display images saved in a folder that is more than eight levels deep.

Symptom	Check item	Cause/Solutions
The file name is not displayed properly.	<ul style="list-style-type: none"> • Did you rename the file with a computer or other device? 	<p>→ If you named or renamed the file on your computer and the file name includes characters other than alphanumeric characters, the file name may not be displayed properly on the photo frame.</p> <p>Also, for a file created on a computer or other device, a maximum of ten characters from the beginning of the file name can be displayed.</p>

Saving and deleting images

Symptom	Check item	Cause/Solutions
Cannot save an image.	<ul style="list-style-type: none"> • Is the memory card write-protected? 	→ Cancel write-protection and try saving again.
	<ul style="list-style-type: none"> • Is the write-protect switch of the memory card in the [LOCK] position? 	→ Slide the write-protect switch to the enabled position.
	<ul style="list-style-type: none"> • Is the memory card full? 	→ Delete unwanted images (page 34). or replace the memory card with one with sufficient free space.
	<ul style="list-style-type: none"> • Is the internal memory full? 	→ Delete unwanted images (page 34).
	<ul style="list-style-type: none"> • Did you save images from a computer to the internal memory without making a folder in the internal memory? 	→ If you do not make a folder, you can only save up to 512 images. In addition, the number of images to be saved may be reduced depending on the file name length or character type. When you save images in the internal memory from a computer, be sure to make a folder in the internal memory and save the images in this folder.
Cannot delete an image.	<ul style="list-style-type: none"> • Is the memory card write-protected? 	→ Use the device you are using to cancel write-protection and try deleting again.
	<ul style="list-style-type: none"> • Is the write-protect switch of the memory card in the [LOCK] position? 	→ Slide the write-protect switch to the enabled position.
	<ul style="list-style-type: none"> • Are you using a “Memory Stick-ROM”? 	→ It is not possible to delete an image from a “Memory Stick-ROM” or to format it.
	<ul style="list-style-type: none"> • Is this image protected? 	→ Check the image information displayed in single view mode (page 21). An image with a  mark is set to Read Only. You cannot delete it from the photo frame.

Continued

Symptom	Check item	Cause/Solutions
An image was deleted accidentally.	—	→ An image cannot be recovered once it is deleted.

Connecting a digital camera or other external device

Symptom	Check item	Cause/Solutions
The camera is connected but nothing is displayed.	• Is the cable connected properly?	→ Connect the cable properly.
	• Is the photo frame turned on?	→ Turn both the photo frame and the camera.
Nothing happens even if the USB cable is disconnected and then re-connected.	—	<p>→ An over current error may have occurred with the photo frame. Turn off the power of the photo frame and turn it on again.</p> <p>→ The USB device may not be compatible with the photo frame.</p>
Images are not displayed on the TV screen or LCD screen.	• Is the input of the TV set to external input?	<p>→ Even if the input of the TV is not set to the photo frame, images may sometimes not be displayed on the TV screen or LCD screen if an HDMI cable is connected.</p> <p>→ Change the input of the TV to the photo frame, or disconnect the HDMI cable from the photo frame and switch the display to the LCD screen.</p>

Photo frame

Symptom	Check item	Cause/Solutions
Nothing happens even if you operate the photo frame.	—	→ Push the reset switch on the back of the photo frame using a long, thin object such as a pin, etc. (page 9).
The photo frame does not start.	—	→ Use maintenance mode to initialize the system of the photo frame (page 29).

Remote control

Symptom	Check item	Cause/Solutions
Nothing happens even if you operate the remote control.	<ul style="list-style-type: none"> Is the battery inserted in the remote control properly? 	<ul style="list-style-type: none"> → Replace the battery (page 10). → Insert a battery (page 10). → Insert a battery in the proper orientation (page 10).
	—	<ul style="list-style-type: none"> → Point the top end of the remote control towards the remote sensor on the photo frame (page 10). → Remove any obstruction between the remote control and the remote sensor.
	<ul style="list-style-type: none"> Is there a protective sheet inserted? 	<ul style="list-style-type: none"> → Remove the protective sheet (page 10).

About memory cards

“Memory Stick”

Types of “Memory Stick” that can be used with the photo frame

With the photo frame, you can use the following types of “Memory Stick”^{*1}:

Type of “Memory Stick”	Displaying	Deleting/ Saving
“Memory Stick” ^{*2} (Not compatible with “MagicGate”)	OK	OK
“Memory Stick” ^{*2} (Compatible with “MagicGate”)	OK ^{*5}	OK ^{*5}
“MagicGate Memory Stick” ^{*2}	OK ^{*5}	OK ^{*5}
“Memory Stick PRO” ^{*2}	OK ^{*5}	OK ^{*5}
“Memory Stick PRO-HG” ^{*2}	OK ^{*5*6}	OK ^{*5*6}
“Memory Stick Micro” ^{*3} (“M2” ^{*4})	OK ^{*5}	OK ^{*5}

^{*1} The photo frame supports FAT32. The photo frame has been demonstrated as operable with a “Memory Stick” with a capacity of 32 GB or less manufactured by Sony Corporation. However, we do not guarantee the operations of all the “Memory Stick” media.

^{*2} The photo frame is equipped with a slot compatible with both standard-size and Duo-size media. Without a “Memory Stick Duo” adaptor, you can use both a standard-size “Memory Stick” and the compact-size “Memory Stick Duo”.

^{*3} When using a “Memory Stick Micro” with the photo frame, always insert it into an M2 adaptor.

^{*4} “M2” is an abbreviation for “Memory Stick Micro”. In this section, “M2” is used to describe a “Memory Stick Micro”.

^{*5} Data reading/recording that requires “MagicGate” copyright protection cannot be performed. “MagicGate” is the general name of a copyright

protection technology developed by Sony using authentication and encryption.

^{*6} The photo frame does not support 8 bit parallel data transfer.

Notes on use

- For the latest information on the “Memory Stick” types that the photo frame supports, see the “Memory Stick” compatibility information on the Sony web site (supplied Operating instructions, back cover).
- Do not insert more than one “Memory Stick” at the same time, or this may cause trouble with the photo frame.
- If you use a “Memory Stick Micro” with the photo frame, the “Memory Stick Micro” needs to be inserted into an “M2” adaptor.
- If you insert a “Memory Stick Micro” into the photo frame without an “M2” adaptor, you may be unable to remove the “Memory Stick Micro”.
- If you insert a “Memory Stick Micro” into an “M2” adaptor, and insert the “M2” adaptor into a “Memory Stick Duo” adaptor, the photo frame may not operate properly.
- When you initialize a “Memory Stick”, use the initialization function of your digital camera. If you initialize it with your computer, images may not be displayed properly.
- When you perform initialization, all the protected images are erased. To avoid erasing important data by accident, make sure to check the contents of the “Memory Stick” before initialization.
- You cannot record or delete data if you slide the write-protect switch to LOCK.
- Do not attach any other material than the supplied label on the labelling position. When you attach the supplied label, be sure to attach it to the labelling position. Be careful that the label does not stick out.

SD memory card

The SD memory card slot of the photo frame allows you to use the following:

- SD memory card^{*1}
- miniSD card, microSD card (An adaptor is necessary.)^{*2}
- SDHC memory card^{*3}
- miniSDHC card, microSDHC card (An adaptor is necessary.)^{*2}
- SDXC memory card^{*4}
- MMC standard memory card^{*5}

We do not guarantee proper operations for all types of SD memory cards and MMC standard memory cards.

^{*1} The photo frame has been demonstrated as operable with an SD memory card with a capacity of 2 GB or less.

^{*2} Some commercially available card adaptors have projected terminals on the center of the back. This type of adaptor may not work properly with the photo frame.

^{*3} The photo frame has been demonstrated as operable with an SDHC memory card with a capacity of 32 GB or less.

^{*4} The photo frame has been demonstrated as operable with an SDXC memory card with a capacity of 64 GB or less.

^{*5} The photo frame has been demonstrated as operable with an MMC standard memory card with a capacity of 2 GB or less.

Notes on use

Data reading/recording that requires copyright protection cannot be performed.

xD-Picture Card

You can use an xD-Picture Card^{*6} with the photo frame. However, we do not guarantee proper operations for all types of xD-Picture Card.

^{*6} The photo frame has been demonstrated as operable with an xD-Picture Card with a capacity of 2 GB or less.

CompactFlash card (DPF-XR100 only)

The CompactFlash card slot of the photo frame allows you to use the following:

- CompactFlash Memory Card (Type I/Type II) and CF+Card (Type I/Type II)-compatible CompactFlash Card^{*7}

You can also use the Smart Media card by using a commercially available CompactFlash card adaptor^{*8}.

However, we do not guarantee proper operations for all types of CompactFlash cards.

^{*7} Use a CompactFlash card with a power specification of 3.3V or 3.3V/5V. You cannot use a type for 3V or 5V only. Do not insert other types of CompactFlash card into the photo frame's insertion slot. The photo frame may be damaged. The photo frame has been demonstrated as operable with a CompactFlash with a capacity of 32 GB or less.

^{*8} When using a commercially available CompactFlash card adaptor, refer to the operating instructions of the adaptor for how to install and use the card and adaptor. Depending on a CompactFlash card adaptor, a write-protected card may not work properly.

Notes on using a memory card

- When using a card, make sure to check the correct insertion direction of the card and the correct insertion slot. Incorrect insertion may cause damage to the photo frame.
- When inserting the memory card, do not try to force it, as this could damage the memory card and/or photo frame.
- Do not remove a memory card or turn off the photo frame while the photo frame is reading or writing data, or the access indicator is flashing. Otherwise, data could be erased or corrupted.
- We recommend that you back up important data.
- Data processed with a computer may not be displayed with the photo frame.

- When you carry or store a card, put it in the case supplied with it.
- Do not touch the terminal of a card with your hand or a metal object.
- Do not strike, bend or drop a card.
- Do not disassemble or modify a card.
- Do not expose a card to water.
- Do not use or store a card under the following conditions:
 - Locations beyond the required operational conditions including locations such as the hot interior of a car parked in the sun and/or in summer, the outdoors exposed to direct sunlight, or a place near a heater
 - Humid locations or locations with corrosive substances present
 - Locations subject to static electricity or electrical noise

Notice on license

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The source code for the above-listed software is available on the Web.

To download, please access the following URL then select the model name “DPF-XR100/VR100”.

URL: <http://www.sony.net/Products/Linux/>

Please note that Sony cannot answer or respond to any inquiries regarding the content of the source code.

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