

4K Memory Player

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

PMW-PZ1



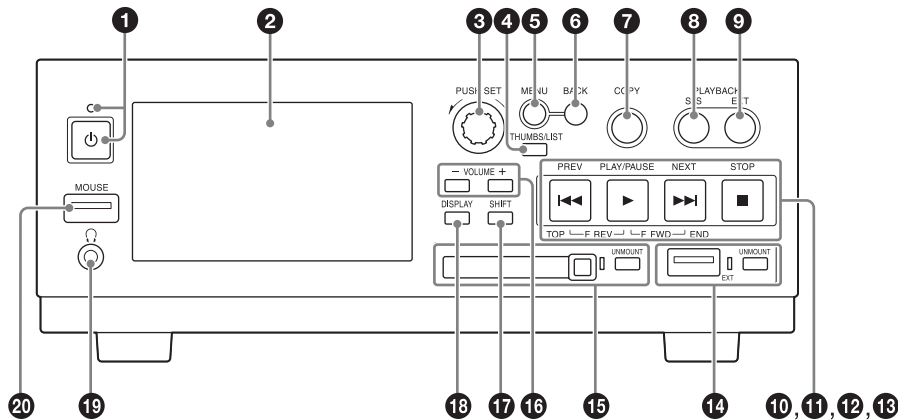
Table of Contents

| | |
|---|-----------|
| Parts Identification..... | 3 |
| Front..... | 3 |
| Rear | 4 |
| Connection Examples..... | 5 |
| Connection to a 4K Monitor | 5 |
| Connection to a 4K Projector..... | 5 |
| Preparation | 6 |
| Playable Formats..... | 6 |
| SxS Memory Cards | 6 |
| XQD Memory Cards | 6 |
| External Storage Devices | 6 |
| Power Supply | 7 |
| Using the Unit for the First Time..... | 7 |
| Playing Back Files | 8 |
| Displaying the List Screen and Thumbnail Screen | 8 |
| List Screen Display and Operations..... | 8 |
| Thumbnail Screen Display and Operations | 8 |
| File Playback Display and Operations | 9 |
| Mouse Operations | 10 |
| Copying Files | 11 |
| Copy Screen Display and Operations | 11 |
| Menus | 12 |
| Basic Menu Operations..... | 12 |
| Menu Items and Setting Values | 12 |
| Usage Precautions | 13 |
| Warning Messages..... | 13 |
| Specifications | 14 |
| Appendix | 15 |
| Recommended Media (XQD Memory Cards) | 15 |
| Licenses | 16 |
| MPEG-4 Visual Patent Portfolio License | 16 |
| MPEG-2 Video Patent Portfolio License..... | 16 |
| End User License Agreement (EULA) | 16 |

Parts Identification

For details on each function and how to use them, see the pages in the parentheses.

Front



1 Power button and indicator (page 7)

2 LCD display (960×540 pixels)

List screen (page 8)

Thumbnail screen (page 8)

File playback screen (page 9)

Copy screen (page 11)

Menu screen (page 12)

Note

A screensaver will activate and the screen will darken if the unit is not operated for a specified period (about 4 hours). The screen will return to normal brightness when you resume operation.

3 PUSH SET dial

Use this to select files and menu items. General operation consists of turning the dial left or right and pressing it to confirm selections.

4 THUMBS/LIST button

Switch between displaying the list screen or thumbnail screen in the display.

5 MENU button

Switch between displaying the menu screen or list/thumbnail screen in the display.

6 BACK button

Return to the previous screen in the display. When pressed in the list screen or thumbnail screen, this returns to the previous (higher) level.

7 COPY button (page 11)

Switch to the copy screen in the display. When pressed in the copy screen, this displays the list screen or thumbnail screen.

8 PLAYBACK SxS button

Access the SxS memory card, and display the file list.

9 PLAYBACK EXT button

Access the external storage device, and display the file list.

10 PREV button / 11 PLAY/PAUSE button /

12 NEXT button / 13 STOP button

List/thumbnail screen operations (page 8)

File playback operations (page 9)

14 EXT (external storage) connector (USB3.0) and UNMOUNT button and indicator (page 6)

15 SxS memory card slot and UNMOUNT button and indicator (page 6)

16 VOLUME (-/+) buttons

Adjust the volume for the audio output from the front panel headphones jack.

17 SHIFT button

Use this to perform various operations during file playback (page 9).

18 DISPLAY button

Superimpose text information (file names, playback status, etc.) on the LCD display during file playback.

By configuring menu settings, you can also superimpose text information on the displays of monitors or projectors connected to the rear panel connectors (3G/HD SDI MONITOR OUT, 4K/HD OUT) (page 12).

19 Headphones jack (stereo mini jack)

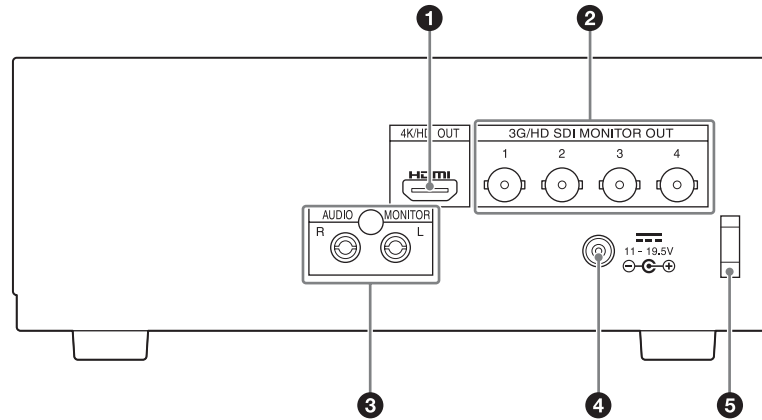
Use this to monitor audio during +1 speed playback. Audio is muted during all other playback situations.

For details on storage device transmission speed, see page 7.

20 MOUSE connector (USB2.0)

Connect a USB mouse (page 10).

Rear



❶ 4K/HD OUT connector (HDMI 19-pin)

Output video and audio being played back on the unit to a 4K monitor or other HDMI device. When not playing back a file, a screen identical to that of the unit's LCD display will be output.

For details on storage device transmission speed, see page 7.

❷ 3G/HD SDI MONITOR OUT connectors 1 to 4 (BNC type)

Output video and audio played back on the unit to a 4K monitor or other SDI device.

3G-SDI and HD SDI signals are supported.

When not playing back a file, a screen identical to that of the unit's LCD display will be output.

For details on storage device transmission speed, see page 7.

❸ AUDIO MONITOR connector (phono jack)

Output the audio being played back on the unit.

For details on storage device transmission speed, see page 7.

❹ DC power input connector (EIAJ compliant)

Connect to an AC power supply via the supplied AC adapter or the AC-DN10 (not supplied) (page 7).

Note

When disconnecting the AC adapter, be sure to press the power button to turn off the unit (page 7) and wait for the indicator to light red beforehand.

❺ Cable clamp

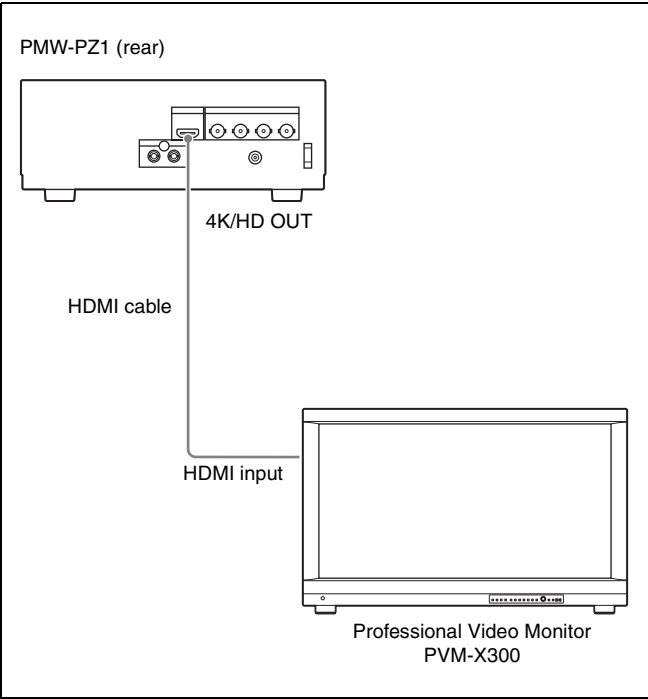
Use this to secure the supplied cable.

Connection Examples

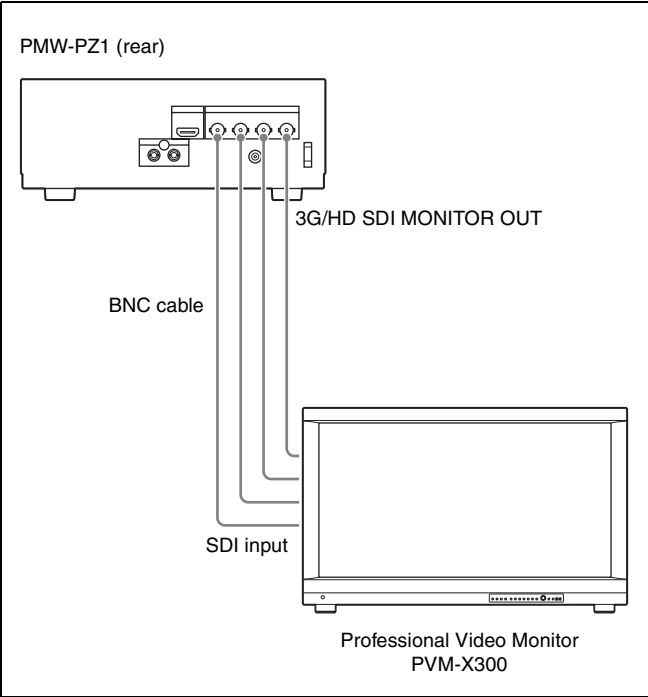
Connection to a 4K Monitor

For details on the monitor, refer to the operating instructions for the monitor.

HDMI connection

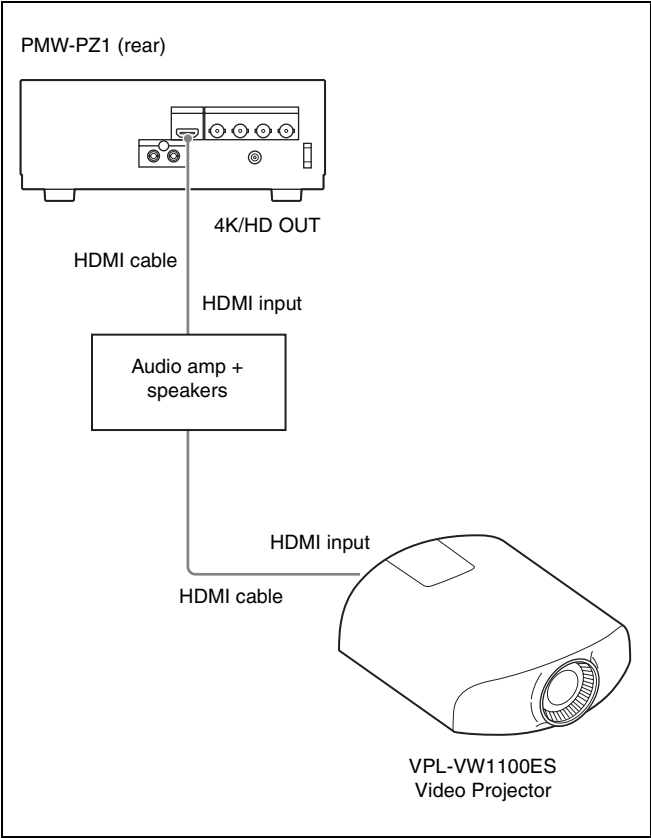


SDI connection



Connection to a 4K Projector

For details on the projector, refer to the operating instructions for the projector.



Preparation

Playable Formats

The unit can play back files that conform to the following file systems and recording formats.

File systems

- SxS memory cards, XQD memory cards¹⁾: exFAT
- External storage devices: exFAT, NTFS

1) When using a QDA-EX1 XQD ExpressCard adapter.

Recording formats

- XAVC Intra 4096 × 2160: 23.98P/25P/29.97P/50P/59.94P
 - XAVC Intra 3840 × 2160: 23.98P/25P/29.97P/50P/59.94P
 - XAVC Long 3840 × 2160: 23.98P/25P/29.97P/50P/59.94P
 - XAVC Intra 1920 × 1080: 23.98P/25P/29.97P/50P/59.94P
 - XAVC Long 1920 × 1080: 23.98P/25P/29.97P/50P/59.94P
- (Recording rate of up to 600 Mbps, excluding Class 200 and 480)

Note

Be sure to insert the XQD Express Card adapter in the proper orientation. Inserting it in an improper orientation may damage the card slot.

SxS Memory Cards

Use the following Sony SxS memory cards. Operation is not guaranteed for other memory cards.

- SxS PRO+
SBP-128B, SBP-64B: XAVC 4K (4096 × 2160, 3840 × 2160), XAVC HD (1920 × 1080)
- SxS PRO
SBP-64A, SBP-32: XAVC HD (1920 × 1080)

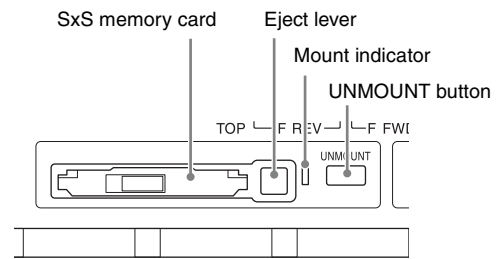
These cards comply with the ExpressCard standard.

You can also use XQD cards by using an adapter (not supplied).

For details and precautions on using SxS memory cards, refer to the operating instructions for the SxS memory card.

Inserting/ejecting SxS memory cards

Inserting SxS memory cards



Be sure to insert SxS memory cards in the proper orientation and direction. When an SxS memory card is inserted and the unit recognizes it properly, the mount indicator lights.

Ejecting SxS memory cards

- 1 Press the UNMOUNT button to the right of the SxS memory card slot.**
The mount indicator blinks while the unmount procedure is processing.
- 2 Verify that the mount indicator has turned off, and then press the SxS memory card slot's eject lever to eject the card.**

Notes

- Be sure to insert or eject SxS memory cards only after the unit has finished starting up.
- If you eject an SxS card while the mount indicator is lit, the data on the card may be damaged. Do not eject the card while it is being accessed (e.g., when copying is in progress).
- Formatting or error recovery for SxS memory cards cannot be performed on the unit.

XQD Memory Cards

You can use the unit to play back files stored on the following XQD memory cards by using a QDA-EX1 XQD ExpressCard adapter (not supplied).

- XQD G/XQD S (EB Stream)
- XQD N

For details on recording formats and recommended media, see "Recommended Media (XQD Memory Cards)" (page 15).

Note

Be sure to insert the XQD Express Card adapter in the proper orientation. Inserting it in an improper orientation may damage the card slot.

External Storage Devices

File playback

You can connect a USB drive, SSD/HDD, or other external storage device, and play back files stored on the device. (Transmission speeds depend on the external storage device.)

Notes

- If the mount indicator does not light even when a device is connected, try reconnecting the device.

- If an external storage device was previously connected to and operated on the unit and you want to connect the device to other equipment, be sure to verify the file system of the equipment beforehand.

Bulk copying files

You can bulk copy files from the SxS memory card to the external storage device.

Note

Normal accessing cannot be performed in the following cases.

- When multiple external storage devices are connected via a USB hub
- When multiple partitions exist on the external storage device
- When a folder or file name includes double-byte characters or certain symbols

Safely removing external storage devices

Press the UNMOUNT button to the right of the EXT connector, verify that the mount indicator has turned off, and then remove the external storage device.

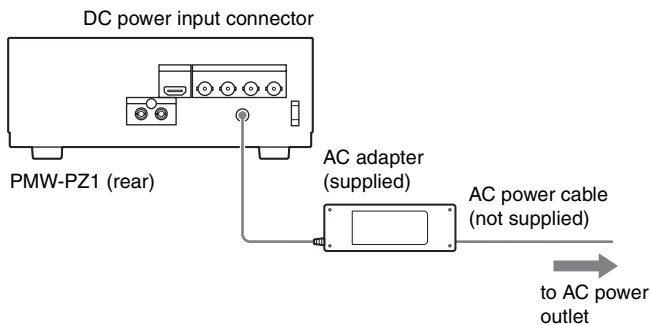
Notes

- If you eject an external storage device while the mount indicator is lit, the data on the device may be damaged. Do not eject the device while it is being accessed (e.g., when copying is in progress).
- Formatting or error recovery for external storage devices cannot be performed on the unit.
- If the transmission speed of the external storage device is slow, playback may not be smooth.
- External storage devices that are bus-powered and have a current consumption 900 mA may not operate properly.

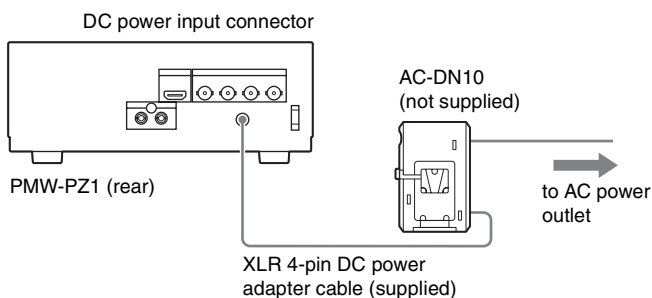
Power Supply

Connecting the power supply

Using the supplied AC adapter



Using the AC-DN10 (not supplied)



Turning the unit on

Press the power button while the power button indicator is lit red.

The indicator lights green, and the unit starts up. (The startup procedure takes about 2 minutes.)

When startup is complete, the list screen (*page 8*) or thumbnail screen (*page 8*) appears.

Turning the unit off

1 Pause file playback, and press the UNMOUNT button on the front panel of the unit.

2 Press and hold the power button for at least 1 second, and release it when the power indicator starts blinking green.
When the unit turns off, the power indicator lights red.

Note

A forced shutdown occurs when you press and hold the power button for approx. 5 seconds. As this may negatively affect the unit's internal SSD, do not perform this unless necessary.

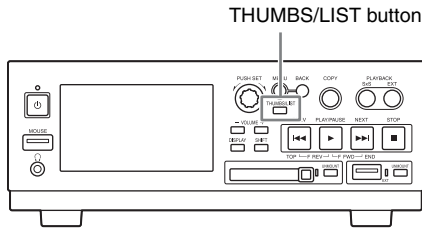
Using the Unit for the First Time

When using the unit for the first time, configure the following menu items (*page 12*).

- TIME ZONE
- LOCAL DATE
- LOCAL TIME

Playing Back Files

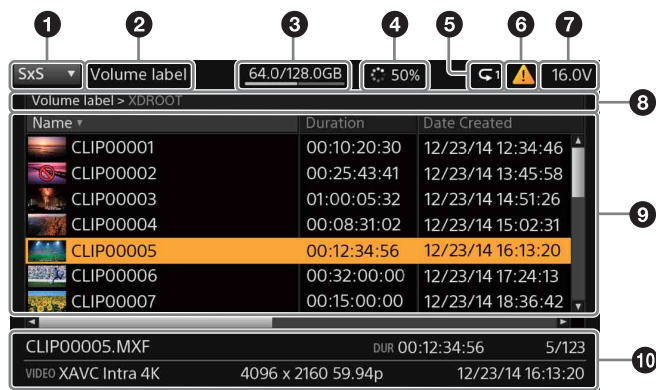
Displaying the List Screen and Thumbnail Screen



Press the THUMBS/LIST button to display the list screen or thumbnail screen.

List Screen Display and Operations

List screen display



The above is an example of an SxS memory card's list. [EXT] is displayed in ❶ for an external storage device, but you can refer to the following for the other items.

❶ Drive selected for playback (SxS or EXT)

❷ Volume label

❸ Storage capacity (remaining/total)

❹ File loading status

This may appear when the file list screen is displayed. Playback cannot be started while files are being loaded.

❺ Playback mode icon

Indicates the status of the [PLAY MODE] menu item setting as an icon. This does not appear when the playback mode is [Single Clip Normal].

❻ Warning indicator (page 13)

❼ Power supply voltage indicator

This appears when the power supply voltage is less than 18.0 V. A warning indicator will also appear if the voltage drops below the value configured in the [DC IN VOLTAGE ALARM] menu item.

❽ Folder path

Displays the folder currently being displayed and the folder above it.

❾ File list

Displays the file name, recording format, data size, file length, date, etc. of each file. Files that cannot be played back by the unit will be indicated by an icon on their thumbnails.

❿ Information on current file

Displays information on the currently selected file. (File name, file length, file number/total number of files, recording format, date, etc.)

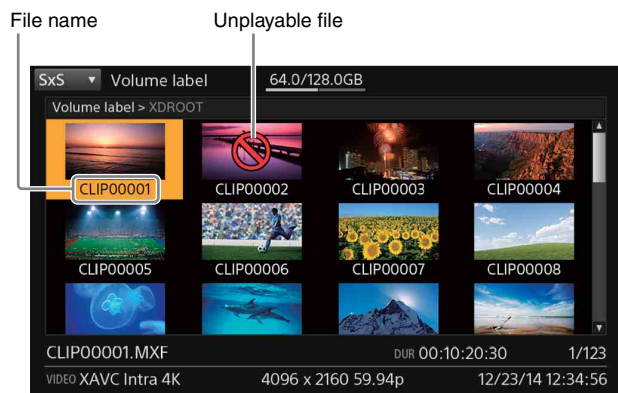
List screen operations

| Function | Operation |
|---|---|
| Selecting a file | Turn the PUSH SET dial. When a folder is selected, press the dial to display the next (lower) level in the directory. You can also press the PREV and NEXT buttons. <ul style="list-style-type: none"> When you press the PREV button while holding the SHIFT button, the first file of the current folder will be selected. When you press the NEXT button while holding the SHIFT button, the last file of the current folder will be selected. |
| Playing back a selected file | Press the PLAY/PAUSE button. |
| Opening the selected file in a paused state | Press the PUSH SET dial. |
| Displaying the previous (higher) level in the directory | Press the BACK button. |
| Switching to the thumbnail screen | Press the THUMBS/LIST button. |
| Switching to the menu screen | Press the MENU button (page 12). |
| Accessing the SxS memory card | Press the PLAYBACK SxS button. |
| Accessing the external storage device | Press the PLAYBACK EXT button. |
| Switching to the copy screen | Press the COPY button (page 11). |
| Displaying file information | Turn the PUSH SET dial while holding the SHIFT button. (Scroll horizontally.) |

Thumbnail Screen Display and Operations

Thumbnail screen display

When you press the THUMBS/LIST button in the list screen, the file list is displayed as thumbnails as follows.



Thumbnail screen operations

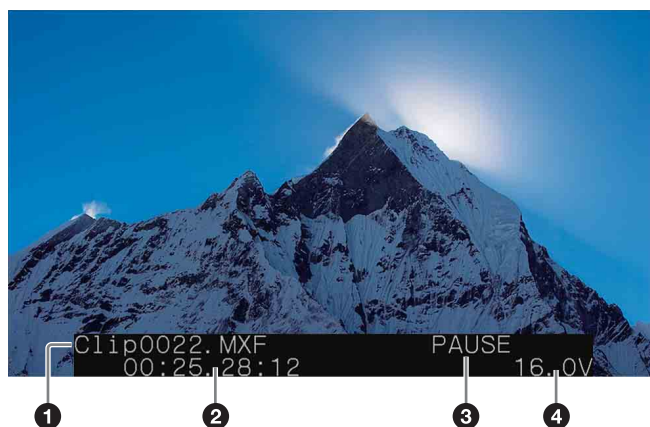
| Function | Operation |
|---|---|
| Selecting a file | Turn the PUSH SET dial. When a folder is selected, press the dial to display the next (lower) level in the directory. You can also press the PREV and NEXT buttons. <ul style="list-style-type: none"> When you press the PREV button while holding the SHIFT button, the first file of the current folder will be selected. When you press the NEXT button while holding the SHIFT button, the last file of the current folder will be selected. |
| Playing back a selected file | Press the PLAY/PAUSE button. |
| Opening the selected file in a paused state | Press the PUSH SET dial. |
| Displaying the previous (higher) level in the directory | Press the BACK button. |
| Switching to the list screen | Press the THUMBS/LIST button. |
| Switching to the menu screen | Press the MENU button (<i>page 12</i>). |
| Accessing the SxS memory card | Press the PLAYBACK SxS button. |
| Accessing the external storage device | Press the PLAYBACK EXT button. |
| Switching to the copy screen | Press the COPY button (<i>page 11</i>). |

File Playback Display and Operations

File playback display

During file playback, the video is displayed on the unit's LCD display and the monitor connected to the unit.

When you press the DISPLAY button on the front panel, the following text information is superimposed on the display.



- 1 File name**
- 2 Playback timecode**
- 3 Playback status (PLAY/PAUSE/F.FWD/F.REV)**
- 4 Power supply voltage**

This appears when the power supply voltage is less than 18.0 V.

File playback operations

| Function | Operation |
|--|--|
| Playing/pausing | Press the PLAY/PAUSE button. |
| Fast forwarding (F.FWD) (x2 → x4 → x8 → x16 → x32 → x64 → x128) | Press the NEXT button while holding the PLAY/PAUSE button. The playback speed changes with each press. |
| Fast rewinding (F.REV) (x2 → x4 → x8 → x16 → x32 → x64 → x128) | Press the PREV button while holding the PLAY/PAUSE button. The rewind speed changes with each press. |
| Moving to the last frame of the file currently being played back | Press the NEXT button while holding the SHIFT button. (During continuous playback, you will move to the last frame of the last file.) |
| Moving to the starting frame of the file currently being played back | Press the PREV button while holding the SHIFT button. (During continuous playback, you will move to the starting frame of the first file.) |
| Playing the file currently being played back from the beginning | Press the PREV button. (If pressed within 1 sec. of the start point, the previous file will be played back.) |
| Playing from the beginning of the previous file in the list | Press the PREV button within 1 sec. of the current file's start point. The first file in the list will always be played back from its start point. |
| Playing from the beginning of the next file in the list | Press the NEXT button. For the last file in the list, this moves to the last frame of the file. |
| Stopping playback and returning to the previous screen | Press the STOP button. |

Notes

- The visual appearance of fast forward and fast rewind operations depends on the file format.
- Audio that has been set to non-audio will be muted.
- Folders, such as the XDROOT folder created by camcorders, are special folders. Do not modify such folders on a computer.

- Lists are created in the XDROOT folder based on the metadata stored in the folder.
In other folders, lists are created as each file is loaded. Therefore, depending on the number of files, list display may take longer.

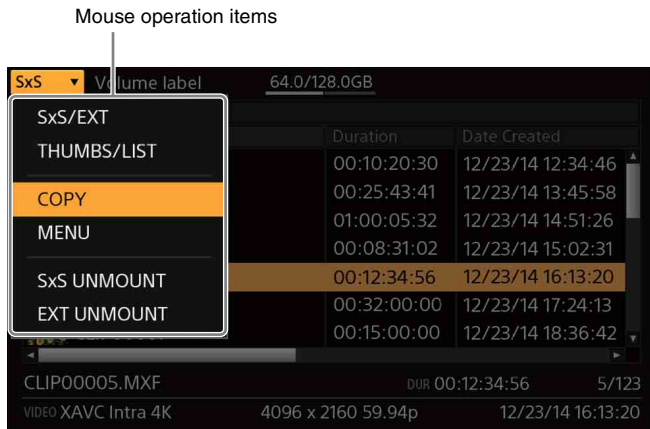
Mouse Operations

You can operate the unit using a mouse connected to the MOUSE connector on the front panel.

If the mouse is not recognized, try reconnecting it.

Displaying the mouse operation items

When you click a drive type (SxS or EXT) in the list screen or thumbnail screen, the following items appear.



You can perform the following operations by selecting the items. However, operations cannot be performed while copying is in progress.

- Switching the selected drive (SxS/EXT)
- Switching between the list screen and thumbnail screen
- Displaying the copy screen
- Displaying the menu screen
- Safely removing SxS memory cards
- Safely removing external storage devices

File playback operations

| Function | Mouse operation |
|---|--|
| Starting playback | Double-click a file in the list screen or thumbnail screen. |
| Playing/pausing | Click (during fast forward/fast rewind, this pauses playback, while clicking again returns playback to ×1 speed). Playback switches between play and pause with each press. |
| Fast forwarding (×2 → ×4 → ×8 → ×16 → ×32 → ×64 → ×128) | Click and drag to the right during playback. The playback speed changes with each press. |
| Fast rewinding (×2 → ×4 → ×8 → ×16 → ×32 → ×64 → ×128) | Click and drag to the left during playback. The rewind speed changes with each press. |
| Moving to the beginning of the next file | Right-click and drag to the right. |
| Moving to the beginning of the previous file | Right-click and drag to the left. |
| Moving to the beginning of the current file | Right-click and drag up. |

| Function | Mouse operation |
|---|----------------------------|
| Moving to the end of the current file | Right-click and drag down. |
| Stopping playback and returning to the file list screen | Double-click. |

Copying Files

Copy Screen Display and Operations

You can bulk copy files from the SxS memory card to the external storage device.

When you perform copying, a folder is created in the root of the external storage device, and all of the data stored on the SxS memory card will be copied to that folder.

Displaying the copy screen

When you connect the copy source (SxS memory card) and copy destination (external storage device) devices and press the COPY button, the following screen appears.



❶ Copy source SxS memory card information

❷ Copy destination external storage device information

Copy operations

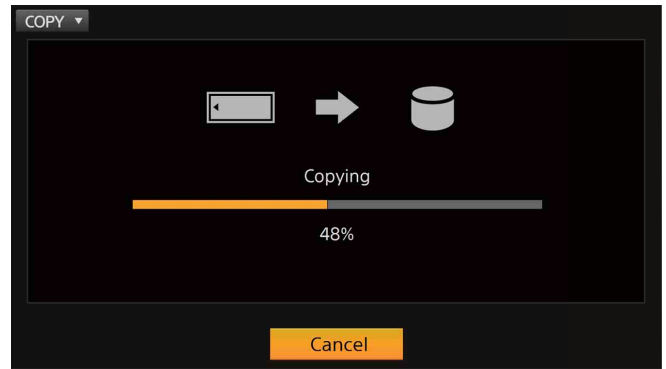
1 Turn the PUSH SET dial to select [Copy].

2 Press the dial.

Copying starts, and the following screen appears.

Notes

- A log is created in the copy destination folder.
- If the file system of the external storage device differs from that of the SxS memory card, the copy operation may not complete properly.
- The size displayed before copying starts is a simple estimate. If the storage capacity proves insufficient after copying starts, the copy operation may be canceled.
- Be especially careful of power or cable disconnections during copy operations. If a power or cable disconnection occurs while copying is in progress, you may need to perform a recovery of the external storage device. In such cases, connect the device to a computer, and perform the recovery operation on the computer.



Canceling the copying operation

To cancel while copying is in progress, turn the PUSH SET dial to select [Cancel], and press the dial.

Then select [OK] to cancel copying.

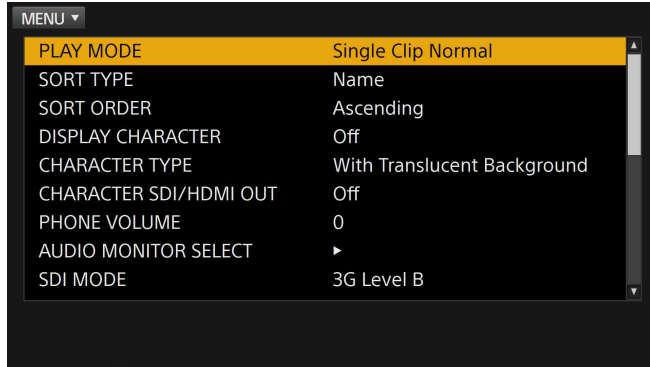
Note

When you cancel copying, the files and folders copied up to that point will remain on the external storage device.

Menus

Basic Menu Operations

When you press the MENU button, the following menu screen appears.



- 1 Turn the PUSH SET dial to select a menu item, and press the dial to confirm.
Setting values appear.
- 2 Turn the PUSH SET dial to select a setting value, and press the dial to confirm. Then select [OK] or [Cancel], depending on the item.
To return to the previous screen without configuring the setting, press the BACK button.

Menu Items and Setting Values

(Bold and underlined values indicate defaults.)

| Item | Description | Setting values |
|-----------|---|---|
| PLAY MODE | Continuous playback mode used during playback | Single Clip Normal : Play back a single file, and stop at the last frame when playback ends. Single Clip Repeat: Repeat playback of a single file. All Clip Normal: Continuously play back all files in the folder. All Clip Repeat: Repeat continuous playback of all files in the folder. |
| SORT TYPE | File sorting method | Name : File name Duration: File length Date Modified: Modification date Format: Format Resolution: Resolution Frame Rate: Frame rate Type: File type Size: File size Date Created: Creation date (year, month, day) Start TC: Timecode of the beginning of the file |

| Item | Description | Setting values |
|------------------------|---|--|
| SORT ORDER | File sorting sequence | Ascending : Ascending order Descending: Descending order |
| DISPLAY CHARACTER | Perform operation identical to that of DISPLAY button | Off : Disable On: Enable |
| CHARACTER TYPE | Background color of text display area | with Background Outline: Black with Translucent Background : Semi-transparent outline: White letters with black outlines without Background: No background |
| CHARACTER SDI/HDMI OUT | Whether to superimpose DISPLAY button text information on SDI/HDMI outputs | Off : Do not display on SDI/HDMI SDI: Display on SDI HDMI: Display on HDMI SDI/HDMI: Display on both SDI/HDMI |
| PHONE VOLUME | Volume for headphones audio output | 0 to 99 |
| AUDIO MONITOR SELECT | Channel for headphones audio output | L: CH1 to CH6 (MIX supported) R: CH1, CH2 to CH6 (MIX supported) (CH7 and above cannot be selected.) |
| SDI MODE | Selection of Level A or Level B for the 3G data mapping type | 3G Level A (1.5G is output for 1.5G only formats.) 3G Level B (1.5G is output for 1.5G only formats.) |
| COPY VERIFY | Verify function for copying operations | Disable: Disable Enable : Enable |
| LCD BRIGHTNESS | LCD brightness adjustment | 1 to 8 to 15 |
| WARNING MESSAGE | Displaying warning messages in progress | – |
| ALL RESET | Restoring default menu setting values (excluding TIME ZONE, LOCAL DATE, LOCAL TIME) | OK: Execute Cancel : Cancel |
| TIME ZONE | Difference from UTC | 00:00 UTC –12:00 to +13:00 |
| LOCAL DATE | Year, month, day | Year, Month, Day Preset date and time |
| LOCAL TIME | Hour, minute, second | Hour, Minute, Second Preset date and time |
| DC IN VOLTAGE ALARM | Value at which low voltage warnings are started | 11.0 to 11.9 to 15.0 V (0.1 V increments) |
| VERSION | Model name / serial number, software version, hardware version display | – |

Usage Precautions

If the unit is suddenly taken from a cold to a warm location, or if ambient temperature suddenly rises, moisture may form on the outer surface of the unit and/or inside of the unit. This is known as condensation. If condensation occurs, turn off the unit and wait until the condensation clears before operating the unit. Operating the unit while condensation is present may damage the unit.

The LCD panel fitted to this unit is manufactured with high precision technology, giving a functioning pixel ratio of at least 99.99%. Thus a very small proportion of pixels may be “stuck”, either always off (black), always on (red, green, or blue), or flashing. In addition, over a long period of use, because of the physical characteristics of the liquid crystal display, such “stuck” pixels may appear spontaneously. These problems are not a malfunction.

The fan and battery are consumable parts that will need periodic replacement.

When operating at room temperature, a normal replacement cycle will be about 5 years.

However, this replacement cycle represents only a general guideline and does not imply that the life expectancy of these parts is guaranteed. For details on parts replacement, contact your dealer.

The life expectancy of the AC adapter and the electrolytic capacitor is about 5 years under normal operating temperatures and normal usage (8 hours per day; 25 days per month). If usage exceeds the above normal usage frequency, the life expectancy may be reduced correspondingly.

Warning Messages

If the warning indicator appears on the screen, select the [WARNING MESSAGE] menu item to display the warning message.

| Warning message | Description | Solution |
|--------------------|--|--|
| LOW VOLTAGE | A voltage lower than the value configured in the DC LOW VOLTAGE ALARM menu item has been detected. | Check the power supply voltage. |
| BACKUP BATTERY LOW | The CMOS backup battery voltage is low. | Request battery replacement from a Sony service representative (fees apply). |
| FAN STOPPED | The internal fan has stopped. | Replace the fan. |
| UNDERFLOW | Data readout of the playback file was too slow. | Use a storage device with a faster transfer speed. |

Specifications

General

Power supply

11 V to 19.5 V DC

Power consumption

Approx. 30 W (during 4K XAVC Intra 60P playback)

Approx. 35 W (during copy from SxS memory card to external storage device)

Operating temperature

5 °C to 40 °C (41 °F to 104 °F)

Storage temperature

−20 °C to +55 °C (−4 °F to +131 °F)

Dimensions (WHD) (approx. values)

212 × 84 × 200 mm (8 ³/₈ × 3 ³/₈ × 7 ⁷/₈ in.) (excluding protrusions, including feet)

Mass

Approx. 2.3 kg (5 lb. 1.1 oz.)

File systems

SxS, XQD: exFAT

External storage devices: exFAT, NTFS

Playback formats (video)

XAVC Intra 4096 × 2160: 23.98P/25P/29.97P/50P/59.94P

XAVC Intra 3840 × 2160: 23.98P/25P/29.97P/50P/59.94P

XAVC Long 3840 × 2160: 23.98P/25P/29.97P/50P/59.94P

XAVC Intra 1920 × 1080: 23.98P/25P/29.97P/50P/59.94P

XAVC Long 1920 × 1080: 23.98P/25P/29.97P/50P/59.94P

Playback formats (audio)

Linear PCM 24 bits, 48 kHz

4 channels / up to 6 channels (CH1 to CH6)

Media drive

Media type: SxS Memory Card (ExpressCard/34) slot (1)

Inputs/outputs

3G/HD-SDI Monitor output

BNC (4), 3G-SDI/HD-SDI, 4K/QFHD: 2-sample interleave output, SMPTE 424/425 Level A/B, SMPTE 292M standards

HDMI/4K/HD output

Type A 19-pin (1), output up to 4K 60P 4:2:0 8-bit

Analog audio output

Phono jack (L, R), −11 dBu (reference level)

Headphones output

Stereo mini jack (1)

Mouse connector

Supports Microsoft USB Basic Optical Mouse (1)

External storage connector

Supports Sony USM128GQX USB 3.0 flash drives (1)

DC input

DC jack, 11 V to 19.5 V

Miscellaneous functions

Display

3.5-inch color LCD monitor: 960 (H) × 3 (RGB) × 540 (V), 16:9

Supplied accessories

AC adapter (19.5 V (excluding AC cable))

XLR 4-pin - DC power adapter cable

Before Using this Unit (1)

Operating Instructions (CD-ROM) (1)

Optional accessories

AC-DN10 AC adapter

QDA-EX1 XQD ExpressCard adapter

Design and specifications are subject to change without notice.

Notes

- Always verify that the unit is operating properly before use. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.
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Appendix

Recommended Media (XQD Memory Cards)

Yes: Recommended media
No: Normal operation not guaranteed

| Format | | XQD G XQD S (EB Stream) | | XQD N | Discontinued XQD H XQD S (non EB Stream) |
|--------|-----------|-------------------------------|----------|-------------|--|
| | | 32/64/128 GB | 32/64 GB | 16/32/64 GB | |
| XAVC-I | 4096×2160 | 59.94P | Yes | No | No |
| | | 50P | Yes | No | No |
| | | 29.97P | Yes | No | No |
| | | 25P | Yes | No | No |
| | | 23.98P | Yes | No | No |
| | 3840×2160 | 59.94P | Yes | No | No |
| | | 50P | Yes | No | No |
| | | 29.97P | Yes | No | No |
| | | 25P | Yes | No | No |
| | | 23.98P | Yes | No | No |
| | 1920×1080 | 59.94P | Yes | No | No |
| | | 50P | Yes | No | No |
| | | 29.97P | Yes | Yes | No |
| | | 25P | Yes | Yes | No |
| | | 23.98P | Yes | Yes | No |
| XAVC-L | 3840×2160 | 59.94P | Yes | Yes | No |
| | | 50P | Yes | Yes | No |
| | | 29.97P | Yes | Yes | No |
| | | 25P | Yes | Yes | No |
| | | 23.98P | Yes | Yes | No |
| | 1920×1080 | 59.94P | Yes | Yes | Yes |
| | | 50P | Yes | Yes | Yes |
| | | 29.97P | Yes | Yes | Yes |
| | | 25P | Yes | Yes | Yes |
| | | 23.98P | Yes | Yes | Yes |

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