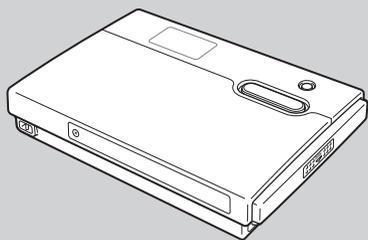


## ***HDD*** ***Photo Storage***

Read Me First



## ***HDPS-M10***

---

# Safety regulations

## **WARNING**

**Keep away from children. If any part of the unit is swallowed, promptly see a doctor.**

**To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.**

**To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.**

For use only with power supply SONY, Model HDAC-M1.

## **Disclaimer**

Sony Corporation assumes no responsibility for the loss of information stored on the hard disk of this unit, or information transferred to a “Memory Stick” and/or CompactFlash card with your computer.

## **Caution**

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

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

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

**Note**

If you have any questions about this product, you may call the telephone number listed in “Technical Support”. The telephone number below is not for customer service but only for official purpose.

**Declaration of Conformity**

Trade Name: SONY  
Model No.: HDPS-M10  
Responsible Party: Sony Electronics Inc.  
Address: 16530 Via Esprillo,  
San Diego, CA  
92127 U.S.A.  
Telephone No.: 858-942-2230

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

**RECYCLING LITHIUM-ION BATTERIES**

Lithium-Ion batteries are recyclable.

You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbrc.org/>

**Caution:** Do not handle damaged or leaking Lithium-Ion batteries.



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- Mac and Macintosh are trademarks of Apple Computer Inc., registered in the U.S. and/or other countries.
- CompactFlash is a trademark of SanDisk Corporation and is licensed to the CompactFlash Association.
- Microdrive is a registered trademark of Hitachi Global Storage Technologies.
- Other system and product names used herein are registered trademarks or trademarks of their respective manufacturers, although the ™ and ® marks are not used in the text.

In this document, Microsoft® Windows® XP Professional and Microsoft® Windows® XP Home Edition are referred to as Windows XP.

In this document, Microsoft® Windows® 2000 Professional is referred to as Windows 2000.

In this document, Microsoft® Windows® Millennium Edition is referred to as Windows Me.

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# Introduction

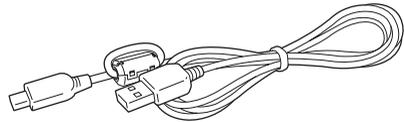
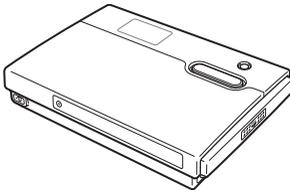
Thank you for purchasing the HDD Photo Storage HDPS-M10. This document explains how to prepare your unit for use. For details about how to use the unit, refer to the operating instructions in PDF format on the hard disk of the unit. To locate the operating instructions, refer to “ReadMe.html” on the internal hard disk of the unit.

---

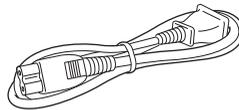
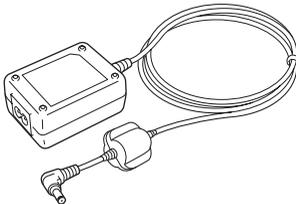
## Accessories

When you unpack the unit, make sure that all the items listed below are present. If anything is missing, contact your dealer or an authorized service center in your area.

- HDD Photo Storage unit (1)
- USB cable (1)



- AC power adapter (1)  
(SONY, Model HDAC-M1)
- Power cord (1)

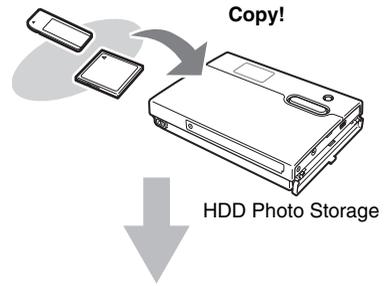


- Carrying case (1)
- Hand strap (1)
- Operating Instructions (on the hard disk)
- PhotoDiary software (on the hard disk)
- Read Me First (this document) (1)
- Warranty card (1)

# What you can do with the HDD Photo Storage

## Store images from a digital camera!

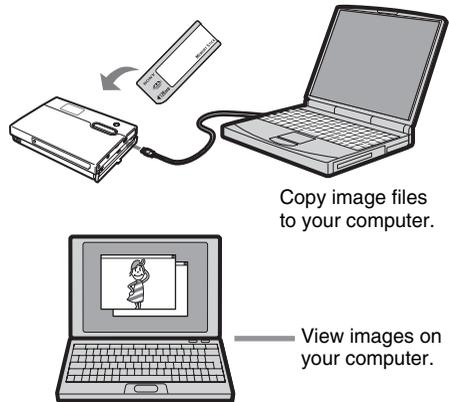
Simply take pictures, and then insert the media into the HDD Photo Storage to copy the image data to the internal hard disk. After copying, you can reuse the media immediately. The 40 GB hard disk of the HDD Photo Storage can store the equivalent of about 620 units of 64 MB media.



**For details,  
see “Copying data to the HDD Photo  
Storage”(page 9).**

## Connect to a computer!

Using the supplied USB cable, you can easily transfer data from an inserted media or from the hard disk of the HDD Photo Storage to a computer. It can function as a USB2.0-compatible external hard disk, to provide data storage capacity to a computer. There is no need to install any special software or perform a setup procedure.



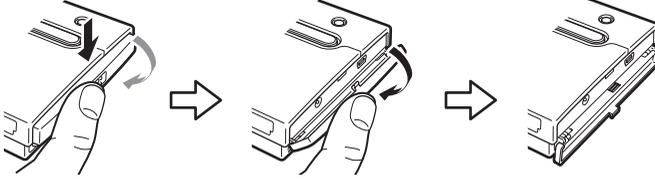
**For details,  
see “Viewing data on the internal hard  
disk using a computer”(page 12).**

# Opening/closing the covers

You can open/close the port and slot covers the same way.

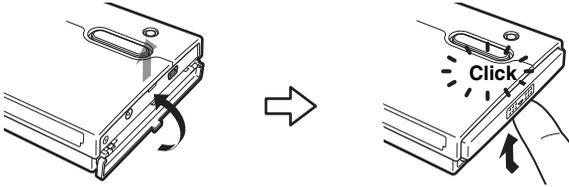
## To open the covers

Lightly push down the top part of the cover to open it, as illustrated.



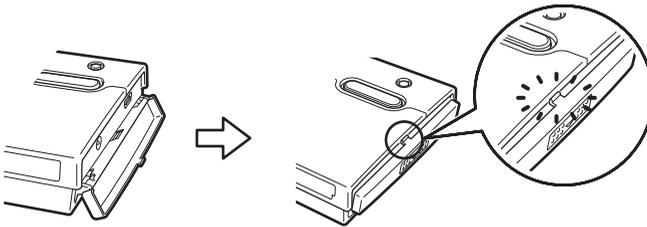
## To close the covers

Push the cover up from its fully open position, until the tab of the cover fits into the notch of the body. Then, lightly push up the cover until you feel it click into place. When it does, the cover is securely closed.

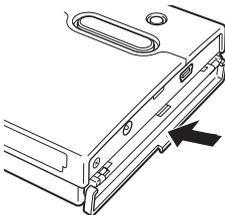


## Notes

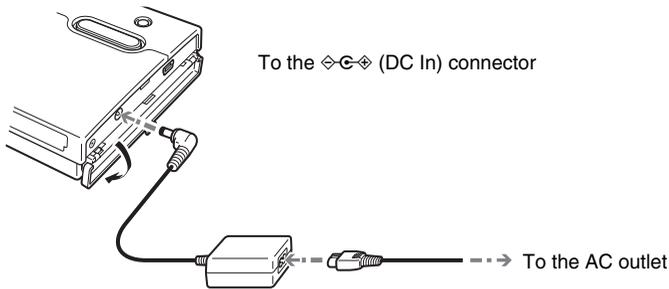
- Close the covers when the unit is not in use.
- If the cover only opens as far as illustrated, you cannot close the cover.



To solve this problem, press the center of the cover as illustrated until it is in its fully open position, and then try closing it again.



# Powering the unit



## Charging the battery

When the AC power adapter is connected to the unit, the internal battery starts charging. A battery charge indicator appears on the display during charging. When the battery is fully charged, the LCD display shows “FULL CHARGE” before it turns off. The charging process takes about 4 hours at ambient temperature.



Battery charging in progress



Battery is fully charged

## Confirming full battery charge

After the charging process is complete, turn on the unit while the AC power adaptor is still connected, and make sure that the  icon appears.



### Hints

- The internal battery charges even when the unit is in use, as long as the AC power adapter is connected. However, the charge time is considerably longer than when the internal battery is charged as outlined above.
- If the unit has not been charged for some time, the internal battery level may be depleted. When the unit is turned on, the low battery level may cause the battery icon at the top left corner of the LCD display not to appear.



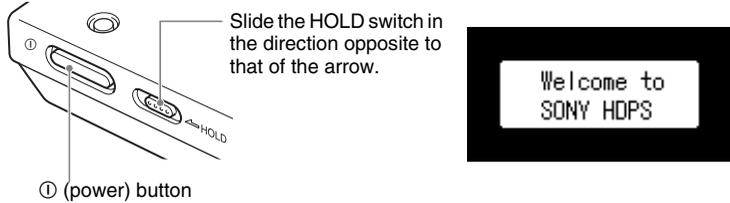
To recover, fully charge the battery using the supplied AC power adapter. Do not remove the adapter while charging is in progress.

# Copying data to the HDD Photo Storage

## 1 Turn on the unit.

Press the ① (power) button.

The “Welcome to SONY HDPS” appears on the unit display.



Remaining internal hard disk capacity appears on the display when no media is inserted in the drives of the unit.



## Locking the controls (HOLD)

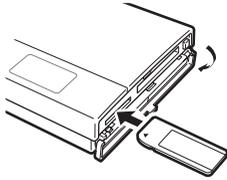
You can lock the controls to prevent accidental button presses while carrying the device.

Slide the HOLD switch in the direction of the arrow to lock the controls.

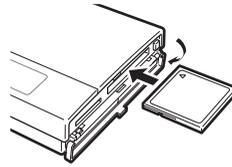
## To unlock the controls

Slide the HOLD switch in the direction opposite to that of the arrow.

- 2** Insert the “Memory Stick” or CompactFlash card into the unit.  
 “READY” (ready to copy) appears on the unit display.



The label should face up. Insert it in the ▲ direction until you hear a click.



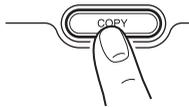
The label should face up. Insert it in the ▲ direction all the way into the slot.



**Notes**

- An error message appears on the display when an error has occurred. For details, see “Error Messages” in the HDD Photo Storage Operating Instructions (PDF).
- When the unit is used stand-alone, it is not possible to insert both a “Memory Stick” and CompactFlash card, and copy data from both at the same time. Insert one media at a time.

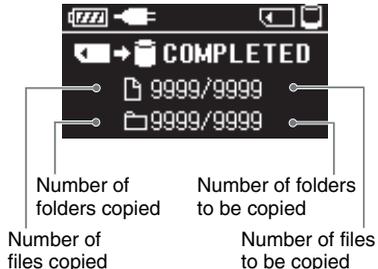
- 3** Press COPY.



A folder is automatically created on the internal hard disk and the data is copied to the folder. While copying is in progress, the copy progress bar shows the copying status. When copying is done, “COMPLETED” (copy completed) appears on the unit display.



Copy progress bar



Number of files copied

Number of folders copied

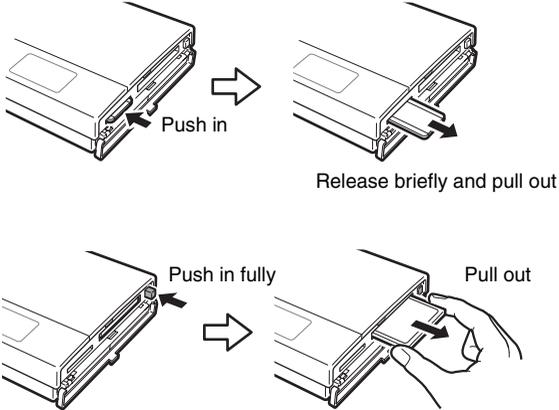
Number of folders to be copied

Number of files to be copied

**Note**

If the error message “HDD Disk Full” appears, the remaining space on the internal hard disk is insufficient to finish copying. Connect the unit to a computer and use the computer to delete unnecessary data on the internal hard disk of the unit. For details, see “Deleting unnecessary files and folders” in the HDD Photo Storage Operating Instructions (PDF).

**4** Remove the media.



# Viewing data on the internal hard disk using a computer

## Preparing the HDD Photo Storage and computer

This section describes how to connect the unit to a computer using the USB cable to transfer data between the two devices.

### Hints

- When the unit is connected to a computer, you can insert a “Memory Stick” and a CompactFlash card at the same time and access data from both.
- When the unit is connected to a computer for the first time, the necessary programs are installed automatically.

**1** Turn on the computer.

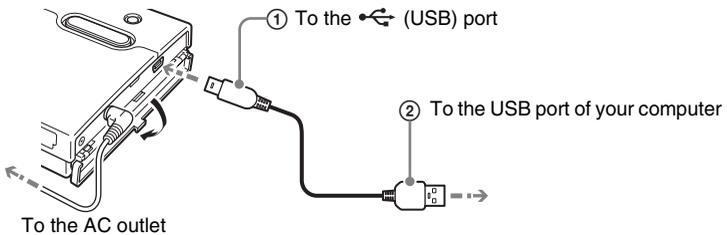
**2** Turn on the unit.

Press the ① (power) button

The “Welcome to SONY HDPS” appears on the unit display.



**3** Open the port cover on the right side of the unit and connect the supplied USB cable to the  (USB) port. Connect the other end of the cable to the USB port of your computer.



### Note

Correct operation is not guaranteed when the unit is connected to a USB hub. Establish a direct USB connection.

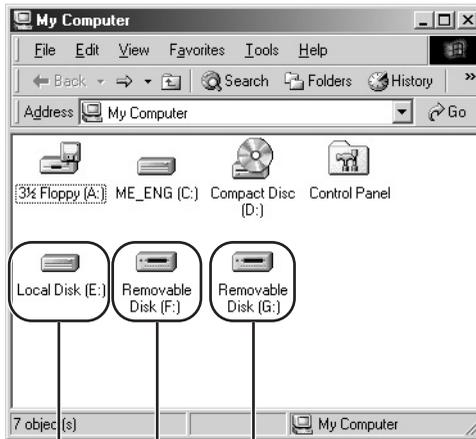
#### 4 Insert a “Memory Stick” and/or CompactFlash card into the unit as necessary.

##### Hint

When you connect the unit to your computer, the internal battery automatically charges whether the unit is on or off. However, to maintain battery performance, make sure that you fully charge it periodically by connecting the AC power adapter.

#### 5 Access the internal hard disk.

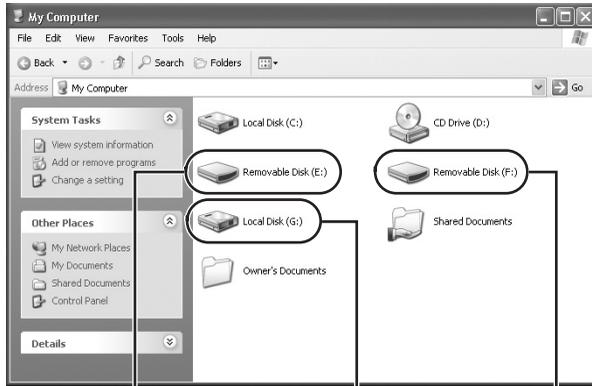
- When the operating system is Windows 2000 or Windows Me Double-click [My Computer] on the desktop, and then double-click the local disk icon that corresponds to the internal hard disk in the “My Computer” window.



Internal hard disk of the unit  
“Memory Stick”  
CompactFlash card

- When using Windows XP

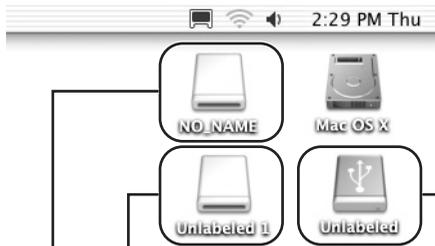
Click [Start] - [My Computer], and then double-click the local disk icon that corresponds to the internal hard disk in the “My Computer” window.



“Memory Stick”                      Internal hard disk of the unit                      CompactFlash card

- When using Macintosh

Double-click the internal hard disk icon on the desktop.



“Memory Stick”                      CompactFlash card                      Internal hard disk of the unit

The “STORE.IPS” folder, “HDPS” folder, and the “ReadMe.html” file are displayed.

## Notes

- Do not format the internal hard disk of the unit with Windows or your Macintosh computer. In particular, if formatted with Windows NTFS, you will no longer be able to use the unit. If you partition the internal hard disk of the unit, make sure that the file system of the first partition is FAT32.
- If the hard disk has been formatted using your computer or NTFS format, Error Code F20 will be shown on the LCD display when it is turned on while not connected to a computer. Reformat the internal hard disk. For details, see “If an HDD Format Error (error code: F20) appears” (page 21).

## Hints

- To delete files from the internal hard disk, see “Deleting unnecessary files and folders” in the HDD Photo Storage Operating Instructions (PDF).
- Always disconnect the unit from the computer properly. For details, see “Disconnecting the USB cable from the computer or removing media” in the HDD Photo Storage Operating Instructions (PDF).
- When the drives of the HDD Photo Storage do not appear on the computer, uninstall the device and turn it off. Power on the unit and wait for detection by the computer.

# Checking the remaining battery charge and hard disk capacity

## To verify the remaining battery charge

The remaining battery charge is indicated on the display. As the number of indicator bars decreases, less charge remains.

Indicator	Remaining battery capacity	Description
	75% ~ 100%	There is enough remaining battery charge to use the unit without connecting it to the AC power adapter.
	50% ~ 75%	
	25% ~ 50%	The remaining battery charge is getting low, but is still sufficient to copy several more media.
	10% ~ 25%	
	0% ~ 10%	Connect the AC power adapter to charge the internal battery.

## To verify the remaining capacity of the internal hard disk

Remaining internal hard disk capacity appears on the display when no media is inserted in the drives of the unit.



Remaining internal hard disk capacity

The used capacity of the internal hard disk is displayed as follows:

Indicator	Used capacity
	0
	1-5GB
	6-10GB
	11-15GB
	16-20GB

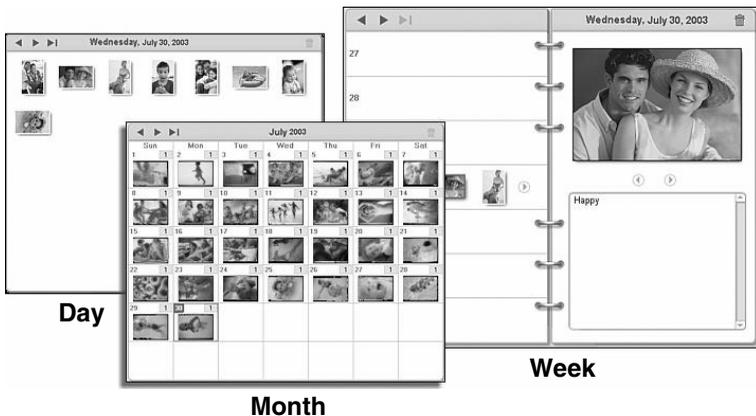
Indicator	Used capacity
	21-25GB
	26-30GB
	31-35GB
	36-40GB

# “PhotoDiary” (the implemented software for Windows only)

“Photo Diary” is a useful software that allows you to view and manage images stored in the unit using a computer. When the unit is connected to a computer, auto-search starts and newly stored images can then be copied to the computer.



Images can be viewed by the month, week, or day. You can easily edit and print images, as well as attach them to an e-mail.



## Hints

- For details on how to operate the software, see “PhotoDiary” help.
- For information on how to install “PhotoDiary”, refer to “Readme.html” on the internal hard disk of the unit.

# Troubleshooting

In addition to this section, refer to the operating instructions of the unit and the documentation of your computer.

Symptom	Cause/remedy
The unit does not start.	→ The internal battery may be depleted. Connect the AC power adapter and charge the battery.
The unit turns off unexpectedly.	→ When the unit is used stand-alone, it turns off automatically after remaining idle for five minutes, whether operating on internal power or through the AC power adapter. Restart the unit.
With Windows 2000 or Windows Me, the drive icon of the unit does not appear in the “My Computer” window.	→ Make sure that the “USB Mass Storage Device” is not displayed as a  in the “Device Manager”. If it is, delete it, disconnect the USB cable from your computer, and then reconnect it.
When the unit is turned on, there is no battery icon at the top left corner of the LCD display.	→ Connect the AC power adapter and fully charge the battery. For details, see “Charging the battery” (page 8).
HDD Format Error (error code:F20) is shown on the LCD display.	→ Reformat the internal hard disk. For details, see “If an HDD Format Error (error code: F20) appears” (page 21).
The unit does not respond in hang up state.	→ Wait for a few moments. If the drive status does not change, press the  (POWER) button while holding down the COPY and CANCEL button. This will reset the drive. If RESET was performed during data copying, the data may not be valid. Please recopy the data.

## Error Messages

Follow the instructions below if an error message appears on the display.

### Battery error

Error code	Message	Meaning	Corrective action
—		The battery level is almost completely depleted.	Connect the AC power adapter and fully charge. For details, see “Charging the battery” (page 8).

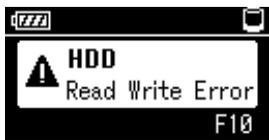
## Media error

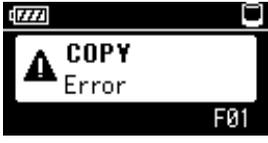
Error code	Message	Meaning	Corrective action
M11		The “Memory Stick” cannot be accessed during copying.	Press the COPY button again to restart copying.
M21		“Memory Stick” format error	Format the “Memory Stick”.
M31		“Memory Stick” error	The “Memory Stick” may be damaged. Use a different “Memory Stick”.
M12		The CompactFlash card cannot be accessed during copying.	Press the COPY button again to restart copying.
M22		CompactFlash card format error	Format the CompactFlash card.
M32		CompactFlash card error	The CompactFlash card may be damaged. Use a different card.

## Warning

Error code	Message	Meaning	Corrective action
W10	 A screenshot of a device's LCD screen showing a warning message. At the top, there is a status bar with a battery icon and a signal strength indicator. Below that, a white box contains a warning icon (exclamation mark in a triangle) and the text "HDD Disk Full". At the bottom right of the screen, the error code "W10" is displayed.	Internal hard disk full error	There is not enough free space on the internal hard disk. Delete any unnecessary data to free space.
W11	 A screenshot of a device's LCD screen showing a warning message. At the top, there is a status bar with a battery icon and a signal strength indicator. Below that, a white box contains a warning icon (exclamation mark in a triangle) and the text "Same Name MAX:999". At the bottom right of the screen, the error code "W11" is displayed.	The number of folders with the same name has reached its maximum (999).	Delete some folders with the same name.
W01	 A screenshot of a device's LCD screen showing a warning message. At the top, there is a status bar with a battery icon and a signal strength indicator. Below that, a white box contains a warning icon (exclamation mark in a triangle) and the text "BATTERY Low Error". At the bottom right of the screen, the error code "W01" is displayed.	Battery power alone is insufficient to perform copying.	Connect the AC power adapter.
W02	 A screenshot of a device's LCD screen showing a warning message. At the top, there is a status bar with a battery icon and a signal strength indicator. Below that, a white box contains a warning icon (exclamation mark in a triangle) and the text "M. S. and CF Inserted!". At the bottom right of the screen, the error code "W02" is displayed.	"Memory Stick" and CompactFlash card double load error	Eject either the "Memory Stick" or CompactFlash card.

## Fatal error

Error code	Message	Meaning	Corrective action
F10	 A screenshot of a device's LCD screen showing a fatal error message. At the top, there is a status bar with a battery icon and a signal strength indicator. Below that, a white box contains a warning icon (exclamation mark in a triangle) and the text "HDD Read Write Error". At the bottom right of the screen, the error code "F10" is displayed.	The internal hard disk on the unit cannot be accessed.	Contact your dealer or an authorized service center.
F20	 A screenshot of a device's LCD screen showing a fatal error message. At the top, there is a status bar with a battery icon and a signal strength indicator. Below that, a white box contains a warning icon (exclamation mark in a triangle) and the text "HDD Format Error". At the bottom right of the screen, the error code "F20" is displayed.	Internal hard disk format error	Reformat the internal hard disk. For details, see "If an HDD Format Error (error code: F20) appears" (page 21). If the unit still does not operate properly, contact your dealer or an authorized service center.

Error code	Message	Meaning	Corrective action
F30		The internal hard disk cannot be detected.	Contact your dealer or an authorized service center.
F01		“Memory Stick” copy error	Reinsert the “Memory Stick”. If the error persists, use a different “Memory Stick”.
F02		CompactFlash card copy error	Reinsert the CompactFlash card. If the error persists, use a different CompactFlash card.

**If an HDD Format Error (error code: F20) appears**

Perform the following steps to format the unit’s internal hard disk.

- At first, connect the unit to a computer and backup your data. Then safely disconnect the drive.  
Error code F20 will be shown on the LCD display.



**Warning**

**The following steps will erase all data on your hard disk.**

- Press the CANCEL button 5 times while holding the COPY button.  
The screen below will be displayed.



**3** Press COPY button.

The screen below will be displayed.



**4** Press COPY button again to start the format.

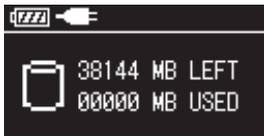
The screen below will be displayed. The hard disk data will be erased.



The screen below will be displayed upon format completion.



**5** Press COPY for the final time.



Contact an authorized service center to restore all the applications originally supplied in the hard disk of the unit.

---

# Electric Specifications

## **Power supply**

Lithium-ion rechargeable battery (internal)  
100 - 240 V AC, 50/60 Hz

## **Power consumption**

7.5 W maximum

## **Ambient conditions**

Operating temperature: 5 °C to 40 °C (40 °F to 104 °F)  
(temperature gradient less than 10 °C/hour (50 °F/hour))  
Operating humidity: 20% to 80%  
(non-condensing)

---

# Technical Support

## **Sony Direct Response Center**

12451 Gateway Blvd  
Fort Meyers, FL 33913  
(800) 222-SONY (7669)  
[www.sony.com/service](http://www.sony.com/service)

<http://www.sony.net/>



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