.Memory Stick Duo™ Reader/Writer

Operating Instructions

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

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

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

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. It is the responsibility of the installer and the end-user to provide physical separations and shielding to ensure compliance of the equipment with the harmful interference requirements of the FCC Rules. 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 off the equipment and on again, 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.

The reader/writer supports the following media

"Memory Stick Duo" media
- "Memory Stick Duo" (without MagicGate®)
- "Memory Stick Duo" (with MagicGate®) *1
- "Memory Stick PRO Duo" *2
- "Memory Stick PRO-HG Duo" *2

*1 Not all parallel data interfaces are supported. It, however, varies depending on the product and software. Please consult your software user's guide.
*2 Not all parallel data interfaces are supported. It, however, varies depending on the product. Please consult your software user's guide.
*3 "M2" is an abbreviation of "Memory Stick Micro". In this document, "Memory Stick Micro" (M2) refers to "Memory Stick Micro Duo".

NOTES

In this manual, all types of modified in "Support Media" have the following limitations:

- The reader/writer cannot record data to non-supported "Memory Stick Duo" media.
- The reader/writer cannot play back data from non-supported "Memory Stick Duo" media.

Caution

(1) This device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation.

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Trademarks

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Overview

The MRW66E-H1 (hereinafter referred to as the "reader/writer") has the following features:

- Quick and simple data transfer - easily transfer images from other devices.
- High-speed parallel interface for fast data transfer.
- A USB 2.0 compatible interface for quick access.
- An L-shaped access indicator that lights during the memory card insertion.
- A USB power supply interface for convenient operation.
- A small, lightweight and compact design for easy carrying.
- A multi-language menu display.

System Requirements

The reader/writer requires the following minimum system conditions:

- OS:
  - Windows Vista®
  - Windows XP® Service Pack 2 or later
  - Windows® 2000 Professional (Service Pack 4 or later)
  - Mac OS® X 10.2 or later
- The product works with the standard Windows drivers.

Supported Media

The reader/writer supports the following media

"Memory Stick Duo" media
- "Memory Stick Duo" (without MagicGate®)
- "Memory Stick Duo" (with MagicGate®)
- "Memory Stick PRO Duo" *2

"Memory Stick PRO-HG Duo" *2

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NOTES

This reader/writer supports the following functions based on the P2 standard, which may not cover the standard function of all P2 compatible devices. Use of the reader/writer with any such devices is at your own risk.

- The "Memory Stick" media all use the same slot, so you can use them in the same reader/writer.

About Memory Stick

What is "Memory Stick"?

"Memory Stick" is a compact-size IC medium with a large storage capacity. It has been designed not only for exchanging/sharing digital data among "Memory Stick" media and CD-R/W devices, but also for use as a removable external storage medium that can save data in a computer.

Notes on "Memory Stick"

On formatting (initialization)

- If you format a medium in which data has been already written, all the data and information will be erased. Please be especially cautious in erasing important data.
- Please make sure to format a medium with the format of the "Memory Stick" product that you are using. If the medium is not formatted with the format required by the "Memory Stick" product, it may not be possible to use the product. In order to use the product, please make sure to attach the medium to the "Memory Stick Duo" size adapter and format it to the correct medium format. If this is not done, you cannot format the medium.

About the size of "Memory Stick"

- Standard size medium 
- "Memory Stick" cannot be used on this product.

- Do not insert multiple "Memory Stick" at the same time. It may cause damage to the product.
- When you use "Memory Stick Duo" on this product, please make sure to insert it in the right direction.
- When inserting a "Memory Stick Duo" with MagicGate into the reader/writer, be careful not to touch the plug of the "Memory Stick Duo" with MagicGate. (For instructions, see Operating Instructions.)

The computer recognizes the reader/writer as a removable disk, and the reader/writer is ready for use.

Packaging Contents

- USB connector
- "Memory Stick Duo" size slot

When inserting "Memory Stick Micro" (M2), use an adapter (not supplied).

Using the Reader/Writer

Inserting a Memory Card

Insert a memory card into the slot on the reader/writer. When inserting, push it in as far as it can go.

Notes

- Insert only one memory card into the slot. Do not insert multiple cards at the same time.
- When inserting a "Memory Stick Micro" (M2), use an appropriate adapter (not supplied).
- Do not insert a card upside down.
- Forcibly inserting the card may damage the card or the slot. If a memory card is inserted incorrectly, you may not be able to remove it. In this situation, do not attempt to remove it by force, as this may damage the memory card. If a memory card sticks in the reader/writer, contact your local Sony dealer.
- Do not remove a memory card from the reader/writer while the access indicator is blinking. The data stored on the memory card may be damaged.

Connecting the Reader/Writer to a Computer

Simply connect the reader/writer to a computer directly.

Notes

- Do not connect to a computer via a USB hub.
- Depending on the computer and the status of its operating system, the reader/writer may not operate or may become unstable. (Windows 2000 and XP: If the device is not recognized, see "Connecting the Reader/Writer to a Computer" on page 3.)
- Adapters not supported by the Windows or Mac OS 10.2 or later operating systems (e.g. iBook G4) may not be recognized.
- When removing a memory card from the reader/writer, do not turn off the computer. (Otherwise, the reader/writer may not be recognized.)
- You may not be able to access some or all memory cards depending on the connected USB device or computer, the reader/writer is not guaranteed to operate simultaneously with some types of USB devices.
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Make sure the removable disk icons appear in [My Computer].

For Macintosh
1. Connect the reader/writer, with a memory card inserted, to your computer.
2. Make sure the access indicator is not blinking.
3. Drag the removable disk icon to the [Trash].

For Windows
1. Make sure the access indicator is not blinking.
2. [Open My Computer].
3. Use the removable disk icon to read or write data on the memory card.

Removing a Memory Card
1. Close the files saved on the memory card, and exit any currently running applications.
2. Make sure the access indicator is not blinking.
3. Drag the removable disk icon to the [Trash].
4. Pull the memory card straight out.

For Macintosh
Reading the Access Indicator
The access indicator changes according to the status of the reader/writer, as follows:

<table>
<thead>
<tr>
<th>Reader/writer status</th>
<th>Memory card status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available status</td>
<td>Not available</td>
</tr>
<tr>
<td>Available status</td>
<td>Available</td>
</tr>
</tbody>
</table>

If data cannot be read from or written to the memory card while the access indicator is on, make sure the card is fully inserted into the slot.

Disconnecting the Reader/Writer From the Computer
1. Click [Safely Remove Hardware] on the task tray, located at the lower right corner of the screen.
2. Click [Safely remove USB Mass Storage Device - Drives (E:)].
3. Make sure the message "The USB Mass Storage Device" drive can now be safely removed from the system," appears, and then disconnect the reader/writer.

For Windows
The following explanation is illustrated with screens from Windows XP, and assumes that drive name E: is assigned to the disk of the reader/writer.

The screens may differ for other Windows versions.

For Macintosh
1. Open [My Computer].
2. Make sure the removable disk icon appears in [My Computer].
3. Use the removable disk icon to read or write data on the memory card.

Notes
- To disconnect the reader/writer from the computer while the access indicator is blinking, doing so may cause damage to the data stored on the memory card.
- Be sure to follow the steps described below.
- Sony accepts no responsibility for any damage or loss that results from disconnecting the reader/writer without following the procedure described below.

Notes
- Be sure to follow the steps described below.
- Sony accepts no responsibility for any damage or loss that results from removing a memory card while following the procedure described below.

Notes
- If data cannot be read from or written to the memory card while the access indicator is on, make sure the card is fully inserted into the slot.
- The warranty and technical support service are valid only in the countries or sales regions specified on the warranty card.

Troubleshooting
Before contacting your Sony representative, verify the following if the problem still persists, check your local Sony dealer.

For customers in the USA (Sony Electronics Inc.)
- Toll-free: 1-800-588-3847
- Web site: http://www.sony.com/support

For customers in Canada
- Toll-free: 1-877-899-SONY
- Web site: http://www.sony.ca/support

Warranty Card
- A warranty card should be provided with this product at the place of purchase.
- Please read the warranty card, fill in the specified information, and retain it for future reference.
- The warranty period is one year from the date of purchase.
- The manufacturer's limited warranty is free and available 24 hours a day, 7 days a week.

Technical Support
- Free telephone support is offered for 90 days after your first purchase or installation.
- Toll free: 1-800-588-3847
- Sony technical support is free and available 24 hours a day, 7 days a week.
- Web site: http://www.sony.com/support

Notes
- Depending on your operating environment and the memory card you use, the access indicator may blink, or stop, if it appears on the computer, you may not be able to move the access indicator.

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