

Memory Stick PC Card Adaptor

Operating Instructions
 Mode d'emploi
 Manual de instrucciones
 Bedienungsanleitung



http://www.sony.net/

Printed on 100% recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.

English

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

For the customers in U.S.A.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES, OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.

CAUTION

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

Note

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.

For the customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

For the customers in U.S.A. and Canada

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If this product should prove defective in workmanship or material during the period of 1 year from the date of original purchase at retail, the same will be replaced by either the Seller, or Sony Electronics, Inc. or Sony of Canada, Ltd. SUCH REPLACEMENT SHALL BE THE SOLE REMEDY OF THE CONSUMER, AND THERE SHALL BE NO LIABILITY ON THE PART OF THE MANUFACTURER, DISTRIBUTOR OR SELLER FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OR THE USE OF, OR INABILITY TO USE, THIS PRODUCT. Some states of the United States do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state in the United States, Puerto Rico or from province to province in Canada. In the United States, contact: Sony Electronics Inc., Sony Building, 680 Kinderkamack Road, Oradell, New Jersey 07649. In Canada, contact: Sony of Canada Ltd., 115 Gordon Baker Road, Toronto, Ontario, M2H 3R6 CANADA.

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On “Memory Stick” types that can be used with this unit

“Memory Stick PRO™”
 “Memory Stick PRO Duo™” (to be used with the Memory Stick Adaptor)
 “Memory Stick™”
 “MagicGate Memory Stick™”
 “Memory Stick PRO Duo™”
 “Memory Stick Duo™” (MagicGate/High-Speed data transfer compatible)
 “Memory Stick Duo™”
 “MagicGate Memory Stick Duo™”

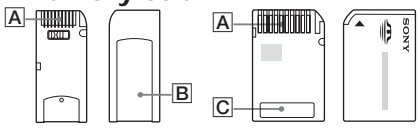
* Insert “Memory Stick” into the Memory Stick Duo Adaptor (MSAC-M2) to access.

Formatting of “Memory Stick”

This deletes all the data recorded on a “Memory Stick.” When formatting a “Memory Stick,” be sure to format on the “Memory Stick” compatible products. Besides, when formatting a “Memory Stick” on a computer, use the “Memory Stick Formatter” software program. You can get the “Memory Stick Formatter” at the following Web Site.
<http://www.sony.net/memorystick/supporte>

Precautions on use of “Memory Stick”

If you format a “Memory Stick” that contains recorded data, the already recorded data will be deleted. Be careful not to inadvertently delete important data.



- Do not touch the terminal (A) in diagram) with your hand or any metal object.
- Do not apply excessive pressure when writing on the label space (B) in diagram) of the “Memory Stick” or the Memo Area (C) in diagram) of the “Memory Stick Duo.”
- Do not bend, drop or expose to impact the “Memory Stick.”
- Do not dismantle or modify the “Memory Stick.”
- Do not allow water onto the “Memory Stick.”
- Recorded data may be damaged or lost in the following situations:
 - If you remove the “Memory Stick” or switch off this unit while writing or reading data.
 - If you use this unit where it is subject to static electricity or electrical noise.
- We recommend that you backup important data.
- We can not accept responsibility in the event that data is lost or damaged and the unit is damaged while using this unit.

To activate the copyright protection function, please use “Memory Stick” that supports MagicGate, a copyright protection technology.

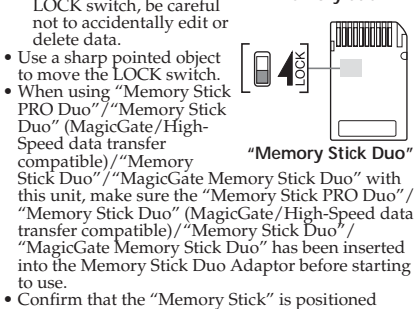
- Keep the “Memory Stick” in the case supplied when carrying or storing it.
- Do not use or store in the following places:
 - Where the temperature can get very high, such as inside a car or in strong sunshine.
 - In direct sunlight.
 - In high humidity or near corrosive substances.
- Moving the LOCK switch to the locked position prevents recording, editing or deleting.
 - There is no LOCK switch on certain “Memory Stick.” When using a “Memory Stick” with no LOCK switch, be careful not to accidentally edit or delete data.
- Use a sharp pointed object to move the LOCK switch.
- When using “Memory Stick Duo” / “Memory Stick Duo” (MagicGate / High-Speed data transfer compatible) / “Memory Stick Duo” / “MagicGate Memory Stick Duo” with this unit, make sure the “Memory Stick PRO Duo” / “Memory Stick Duo” (MagicGate / High-Speed data transfer compatible) / “Memory Stick Duo” / “MagicGate Memory Stick Duo” has been inserted into the Memory Stick Duo Adaptor before starting to use.

Confirm that the “Memory Stick” is positioned correctly before inserting for use.

- Do not insert the Memory Stick Duo Adaptor into “Memory Stick” compatible products when no “Memory Stick PRO Duo” / “Memory Stick Duo” (MagicGate / High-Speed data transfer compatible) / “Memory Stick Duo” / “MagicGate Memory Stick Duo” is inserted into the Memory Stick Duo Adaptor. If used in these ways, malfunctions may occur.

LOCK (write protect) switch
 When using this unit with a “Memory Stick” that has a LOCK switch, release the LOCK switch. Do not use with the LOCK switch in the locked position.

Parts identification



The slot based on PC Card Type II
 The Memory Stick socket
 Serial number (An 8-digit number printed on the frame)
 The Memory Stick eject button
 Access lamp

► **How to Use (When using Windows)**

Connecting this unit to your computer

- Turn on your computer, and start up Windows.
- Insert the PC Card Adaptor with a “Memory Stick” attached to your computer firmly.

Notes
 • Make sure that the “Memory Stick” is positioned correctly when inserting.
 • The place of the PC card slot on the computer differ with the computers.
 • Open the additional hardware wizard and begin driver installation. Depending on your operating system, driver installation may start automatically, or the wizard may not start up.
 • Follow the instructions on the screen and click on the [Next] button to carry out driver installation.

4 Select “Search for the best driver for your device [Recommended]” and click on [Next].

5 Do not check anything. Click on [Next].

6 Select “The updated driver [Recommended] Standard IDE/ESDI Hard Disk Controller.”

7 Follow the instructions on the screen and

8 Click on the [Finish] button. Driver installation is now complete.

You can now use the unit.

Confirming that connections are completed

- Open the “My Computer” folder.
 - Double-click “My Computer.”

2 Confirm that the newly recognized “Sony MemoryStick (F:)” icon is shown.

This “Sony MemoryStick (F:)” icon indicates this unit connected to the computer. Depending on the computer used, the drive letter (F:) may be different.

The connection is completed when the “Sony MemoryStick (F:)” icon is shown.

It may take a little while before the “Sony MemoryStick (F:)” icon appears.

Notes

- If the “Sony MemoryStick (F:)” icon is not shown, the Device driver may not be installed correctly. Perform the procedures from “When the Removable Disk is not indicated” on this page.
- “Sony MemoryStick (F:)” may be displayed as “Removable Disk (F:)” and icons may differ depending on the type of OS and the “Memory Stick” you are using.

• When using another “Removable Disk,” plural “Removable Disk” icons appear.

• The “Memory Stick” may be recognized as “Local Disk (F:)” depending on the “Memory Stick” you are using, though this will cause no problems in terms of use. When using Windows 98/98SE/Me, please refer to “When Using Windows 98/98SE/Me” described below and change disk settings from “Local Disk” to “Removable Disk.”

This will cause no problems in terms of use, but settings cannot be changed to “Removable Disk” when the “Memory Stick” is recognized as a “Local Disk” in Windows 2000/XP. In this case, unlocking the LOCK switch when using the “Memory Stick” is recommended (“Precautions on use of “Memory Stick”).

– When Using Windows 98/98SE/Me –
 When first using the unit, it will appear in the “My Computer” folder as a “Local Disk” and not as a “Removable Disk.” There are no problems in terms of use when it is used as such, but a blue screen may appear when it is used with the LOCK switch in the locked position and a warning may appear. In this event, use of the “Memory Stick” with the disk drive settings changed from “Local Disk” to “Removable Disk” as shown below is recommended.

1 Insert the unit with the “Memory Stick” inserted into your computer and install drivers (“Connecting this unit to your computer”). When drivers are already installed, insert the unit with the “Memory Stick” inserted into your computer and perform operations according to the following steps.

2 After installation is complete, write down the drive letter assigned to the “Memory Stick.” You can check the drive letter by opening “My Computer” from the desktop.

3 Open the “Control Panel” from the [Settings] in the [Start] menu.

4 Double-click [System].

5 Select the [Device Manager] tab from “System Properties” and double-click [Disk drives].

6 Search for the drive assigned to the unit in several [GENERIC IDE DISK TYPE XX] (XX is a 2-digit number or a “=” sign and a single-digit number). Search for the drive in question as follows.

- Select the first [GENERIC IDE DISK TYPE XX], and click [Properties].
- After opening the “Properties” window, click the [Settings] tab.
- Check the text box for the “Current drive letter assignment,” if the drive letter assigned to the unit is the same, then the selected device drive is the drive assigned to the unit. If the drive letters are different, click [Cancel], close the properties screen, select the next [GENERIC IDE DISK TYPE XX], and check it by following the same steps.

7 After you have checked the drive assigned to the unit, check “Removable” in the settings screen and remove the check from “Int 13 unit.”

8 Click [OK] and close the properties screen.

9 Click [OK] and close the system properties screen.

10 The message for you to restart your computer will be displayed, so click [Yes] and restart your computer.

11 After restarting your computer, open “My Computer” and check to see if the drive assigned to the unit has been changed to “Removable Disk (X:)” (X is the drive letter assigned to the unit). If the drive has not been changed, settings are not reflected, so change settings again starting at step 3 above.

Note

The drive assigned to the unit and the drive number (the XX portion in [GENERIC IDE DISK TYPE XX]) may differ when you restart your computer.

When the Removable Disk is not indicated

A separate Device driver may already have been installed. Connect this unit to your computer, insert a “Memory Stick” into the unit and then perform the following procedure.

- Open the “System Properties” from the “Control Panel.”
- Check if the Device driver has already been installed.
 - When using Windows 2000/XP –
 - Click the [Hardware] tab on the “System Properties” screen.
 - Click [Device Manager].
 - Click [View].
 - Click [Devices by type].
 - Check whether [! SONY-Memory Stick] preceded by the “!” symbol is shown.
 - When using Windows 98/98SE/Me –
 - Click the [Device Manager] tab on the “System Properties” screen.
 - Check whether [! SONY-Memory Stick] preceded by the “!” symbol is shown.

3 Delete the driver if installed.

If you use the procedure described in Step 2 and find that [! Sony-Memory Stick] is shown, a separate device driver has already been installed. Use the following procedure to delete the driver.

Do not delete other devices than [! Sony-Memory Stick].

- Click on [! Sony-Memory Stick].
- Click on [Remove]. The “Confirm Device Removal” screen appears.
- Click the [OK] button. The device is removed.
- Close the “System Properties” screen.
- Restart your computer after disconnecting this unit from the computer.

Install the Device driver again by performing the procedure from “Connecting this unit to your computer.”

Notes

If you delete other devices than [! SONY-Memory Stick] your computer may no longer operate normally.

Disconnecting this unit from your computer

After copying of the image data is completed, perform the procedure described below before removing the “Memory Stick” from this unit and removing this unit from the computer.

- Click the “Unplug or Eject Hardware” icon in the task tray in the lower right corner of the screen.
- Click “Safely remove Sony Memory Stick-Drive (F:)”
- “Sony Memory Stick can be removed safely” will be displayed.
 - * The display may differ depending on the OS you are using.

4 Remove this unit from the computer by pressing the eject button on the PC Card Slot.

How to Use (When using Macintosh)

Connecting this unit to your computer and installing drivers

It can be used with OS standard device drivers. Perform operations according to the following steps.

- Turn on your computer, and start up the MacOS.
- Insert the PC Card Adaptor with a “Memory Stick” attached to your computer firmly.

For connection of the unit to your computer, refer to “Connecting this unit to your computer.”

3 Driver installation will start automatically and drivers will be installed on your computer.

4 When driver installation is complete, a Memory Stick icon will be displayed on your desktop and you can use the unit.

Precautions on use of this unit

- The access lamp lights while the “Memory Stick” is being accessed. Never remove the “Memory Stick” turn off the computer, or remove the PC card adaptor, while the access lamp is on. The data on the “Memory Stick” might be destroyed.
- The drive letter may be displayed as one of the following depending on the OS and “Memory Stick” you are using.
 - [SONY-Memory Stick Drive (F:)]
 - [Standard IDE/ESDI Hard Disk Controller Drive (F:)]
 - [PCMCIA IDE/ATAPI Controller (F:)]
- “Add New Hardware Wizard” will start up in the following cases:
 - when you first use this unit
 - when you first use a “Memory Stick” with different capacity

• Operation is not guaranteed for all computers even if they comply with the recommended environments.

Troubleshooting

Symptom	Cause/Solution
The [Removable Disk] icon is not displayed.	• Not connected correctly. <ul style="list-style-type: none"> → Connect correctly. (“Connecting this unit to your computer”).
	• The Device driver is not installed. <ul style="list-style-type: none"> → Install the Device driver in the right way. (“Connecting this unit to your computer”).
	• “Memory Stick” is not inserted. <ul style="list-style-type: none"> → Insert a “Memory Stick.”
The access lamp blinks when a “Memory Stick” is inserted.	• Foreign matter adhering to the connector section of the “Memory Stick.” <ul style="list-style-type: none"> → Check whether dust or dirt is adhering to the connector section of the “Memory Stick.” Remove any foreign matter and insert the “Memory Stick” again.
Reading data on the “Memory Stick” writing data to the “Memory Stick,” and copying may cause a blue screen and warning to appear.	• The “Memory Stick” is write protected. <ul style="list-style-type: none"> → Unlock the LOCK switch. (“Precautions on use of “Memory Stick””)
	• The “Memory Stick” is set as a “Local Disk” (When Using Windows 98/98SE/Me) <ul style="list-style-type: none"> → Change the drive settings for the “Memory Stick” to “Removable Disk.” (“Confirming that connections are completed” – When Using Windows 98/98SE/Me.)
Writing data to or deleting data from the “Memory Stick” may appear to be taking place, but the data on the “Memory Stick” has not been changed.	• The “Memory Stick” is write protected. <ul style="list-style-type: none"> → Unlock the LOCK switch. (“Precautions on use of “Memory Stick””)
	• The “Memory Stick” is set as a “Local Disk” (When Using Windows 98/98SE/Me) <ul style="list-style-type: none"> → Change the drive settings for the “Memory Stick” to “Removable Disk.” (“Confirming that connections are completed” – When Using Windows 98/98SE/Me.)
The “Memory Stick” cannot be ejected from the Memory Stick PC Card Adaptor.	• The eject button is pushed into the PC card. <ul style="list-style-type: none"> → Hold the “Memory Stick” between your fingers and pull it out.
	• The Memory Stick PC card Adaptor is not damaged. You can continue to use it, after removing the “Memory Stick.” <ul style="list-style-type: none"> → It may happen if you insert the “Memory Stick” in this unit while pressing the panel part of this unit strongly. Do not press it when you insert the “Memory Stick” in.

Specifications

Memory Stick PC Card Adaptor

Interface: PCMCIA ATA 16 bit (PC Card Type II)

Required system construction

Recommended Windows environment
 OS: Microsoft Windows 98/98SE/Me/2000 Professional/XP Home Edition/XP Professional
 Microsoft Windows CE 1.0/1.0.2/2.11/3.0

Recommended Macintosh environment
 OS: Mac OS 8.5-9.2.2/XP (v10.1.2-10.3)

Notes

- This device is not equipped with MagicGate.
- The operating systems mentioned above must be installed on the computer when shipped from the factory.
- Operation is not guaranteed for upgraded operating systems even if they are among those mentioned above.

• PC Card Slot which is compatible with PC Card Type II as standard equipment.

Operating voltage DC 3.3 V / 5.0 V
 Power consumption Max. 90 mA DC
 External dimensions Approx. 85.6 × 54 × 5.0 mm (3 3/8 × 2 1/4 × 7/32 in.) (W × H × D)

Mass Approx. 30 g (1.06 oz.) (not including “Memory Stick”)

Operating conditions Temperature 0°C to 60 °C (32 °F to 140 °F) (no condensation)

Humidity 20% to 80% (no condensation)

Supplied accessories PC card adaptor storage case (1)
 Set of printed documentation

Design and specifications are subject to change without notice.

Operation check of this device has been performed with up to 4 GB (MSX-4GN) “Memory Stick” from Sony. (As of February, 2005) please note that the operation is not guaranteed for every type of “Memory Stick.” Refer to the following URL for the details on the supported types of “Memory Stick.”
<http://www.sony.net/memorystick/supporte>

Français

Avant d'utiliser cet appareil, veuillez lire attentivement ces explications, puis conservez-les de manière à pouvoir les consulter.

Pour les clients au Canada

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Pour les clients aux Etats-Unis et au Canada

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A propos des « Memory Stick »

Types de « Memory Stick » pouvant être utilisés avec cet appareil

« Memory Stick PRO™ »
 « Memory Stick PRO Duo™ » (compatible avec un transfert de données ultrarapide / MagicGate)
 « Memory Stick™ »
 « MagicGate Memory Stick™ »
 « Memory Stick Duo™ » (compatible avec un transfert de données ultrarapide / MagicGate)
 « Memory Stick Duo™ » (compatible avec un transfert de données ultrarapide / MagicGate)

Utilisation de l'appareil (avec Windows)

1 Mettez votre ordinateur sous tension et lancez Windows.

2 Dans votre ordinateur, insérez fermement l'adaptateur de carte PC, portant un « Memory Stick ».

Remarque
 • Avant l'insertion, assurez-vous que le « Memory Stick » est correctement positionné.
 • L'emplacement de la fente pour Carte PC varie selon les ordinateurs.

3 Ouvrez l'assistant supplémentaire et lancez l'installation du logiciel de pilotage.

Selon le système d'exploitation, il se peut que l'installation du logiciel de pilotage commence automatiquement ou que l'assistant ne soit pas lancé.

4 Sélectionnez « Search for the best driver for your device [Recommended] » et cliquez sur [Next].

5 Ne cochez rien. Cliquez sur [Next].

6 Sélectionnez « The updated driver [Recommended] Standard IDE/ESDI Hard Disk Controller ».

7 Suivez les explications apparaissant sur l'écran et cliquez sur le bouton [Next].

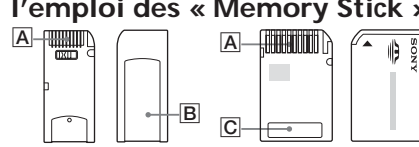
8 Cliquez sur le bouton [Finish]. L'installation du logiciel de pilotage est ainsi terminée.

Désormais, vous pouvez utiliser l'appareil.

Vérification des connexions

- Ouvrez le dossier « My Computer »
 - Double-cliquez sur « My Computer ».
 - Les dossiers figurant dans le poste de travail apparaissent.

Précautions concernant l'emploi des « Memory Stick »



- Ne touchez pas la borne (A) sur l'illustration) avec les doigts ou un objet métallique.
- N'appuyez pas fort lorsque vous écrivez sur l'écran (à ne pas utiliser réservé au nom (B) sur le schéma) d'un « Memory Stick » ou la zone de mémoire (C) sur le schéma) du « Memory Stick Duo ».
- Ne pliez pas, ne laissez pas tomber et ne heurtez pas le « Memory Stick ».
- Ne démontez pas et ne modifiez pas le « Memory Stick ».
- Ne mouillez pas le « Memory Stick ».
- Des données enregistrées risquent d'être endommagées, voire perdues, dans les cas suivants:
 - Vous retirez le « Memory Stick » hors de cette unité ou vous la mettez hors tension pendant l'écriture ou la lecture de données.
 - Vous utilisez cette unité là où elle est soumise à de l'électricité statique ou des parasites électriques.
- Nous recommandons d'effectuer une copie de sauvegarde de vos données importantes.
- Nous n'assurons pas de responsabilité si des données sont endommagées ou perdues et si l'unité est endommagée pendant l'emploi de cette unité.
- Pour activer la fonction de protection des droits d'auteur, utilisez un « Memory Stick » compatible avec la technologie de protection des droits d'auteur MagicGate.

Placez le « Memory Stick » dans son étui lors de son transport ou pour son rangement.

N'utilisez pas et ne rangez

