FlashPath™-MultiMediaCard

Installation and User's Guide

for IBM® PC and Compatibles

for

Microsoft® Windows 95/98/NT 4.0



May 2000

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FlashPath-MultiMediaCard for Windows Quick Start

1. Load Software

From the FlashPath software CD:

a. Exit and close all other programs.

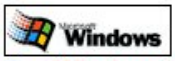
b. Insert the FlashPath software CD.

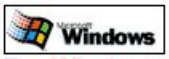
c. Follow the instructions on your screen to load software into the default directory. Note: If you must use a different directory, refer to Chapter 2, *Installing FlashPath*, of this User's Guide.

d. Reboot (restart) your computer.

From SmartDisk Website

a. Go to the Downloads section of the SmartDisk website (http://www.smartdisk.com/downloaddrivers.html). Select Windows Software Download Page.

b. Click on the icon for 

or 

c. Download and save drivers according to the instructions given on your screen.

2. Insert the MultiMediaCard into Your FlashPath

Remove the MultiMediaCard from your digital appliance and insert it into your FlashPath. Note the orientation shown below.

3. Insert FlashPath into Your Floppy Drive and Transfer Files

You can now use your MultiMediaCard just like you would an ordinary floppy disk. For example: use Windows Explorer and double click on your A (or B) drive to read, write, or delete data on your MultiMediaCard through the FlashPath in your floppy drive.



Note: Some digital appliances make a folder on the MultiMediaCard. You can copy the whole folder or open it and just copy the images you want.

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Chapter 1 Welcome to FlashPath-MultiMediaCard for Windows

Shaped like a 3.5-inch floppy disk, the FlashPath-MultiMediaCard (MMC) for Windows can write data to and read data from a MultiMediaCard using your computer's internal floppy disk drive. Just slip the FlashPath into your PC's floppy drive and access it as you would a normal floppy disk.

FlashPath-MMC for Windows supports IBM-PC compatible computers with 3.5-inch, 1.44 MB floppy drives.

The FlashPath is not designed to work with an external floppy drive, a USB floppy drive, a FireWire floppy drive, a floppy disk drive connected via a PC card, or a 120MB high capacity floppy disk drive.

CAUTION: Using the FlashPath in a 120MB high capacity floppy disk drive could damage your drive.

Note: Do not store the MultiMediaCard in the FlashPath. To protect the FlashPath and floppy disk drive, remove the FlashPath from your floppy disk drive and place it in its jewel case as soon as you have finished using it.

Note: Avoid operating and storing the product in an environment subject to excessive temperature fluctuations which may result in condensation forming on the FlashPath.

System Requirements

To use FlashPath, you need the following hardware and software:

- An IBM-PC or fully compatible personal computer with a hard disk drive (Intel x86 - 486 or Pentium class, single processor)
- Microsoft Windows 95/98/NT 4.0.
- 3.5-inch floppy disk drive as drive A or drive B (either a 1.44 MB drive or a Japanese 3 mode drive)
- FlashPath-MMC Installation CD
- MultiMediaCard - 4MB to 32MB

Operating and Storage Conditions

Storage	Temperature:	0 to + 65°C
	Temperature Change:	< 20°/hr.
	Humidity:	20-80% (non-condensing)
Operating	Temperature:	0 to + 55°C
	Temperature Change:	< 20°/hr.
	Humidity:	20-80% (non-condensing)

Installing Batteries

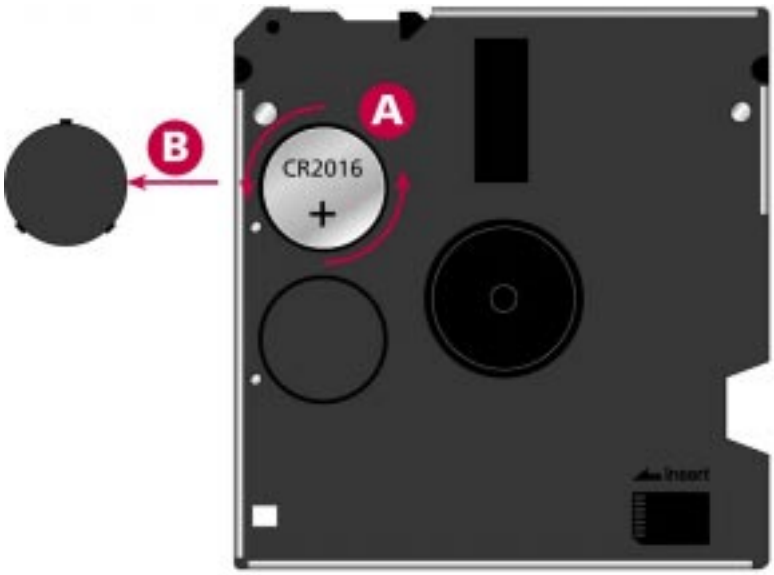
Your FlashPath comes with batteries already installed. When batteries expire, replace both batteries with new CR2016 lithium button cell batteries. **Batteries cannot be re-charged.**

To change batteries

Place your FlashPath on a flat surface and gently press down on the battery cover.

a. Turn each cover counter-clockwise until battery compartment is open.

b. Install new lithium button cells. Make sure that the positive side (marked with a + sign) is up and that the side spring contact is located on the side of the battery. The contact must not be trapped beneath the battery.



Changing Batteries

Note: Always replace both batteries at the same time. Use lithium button battery CR2016.

Inserting MultiMediaCard into the FlashPath

Insert the MultiMediaCard into the FlashPath with the electronic contacts facing away from the metallic top cover of the FlashPath. Insert the MultiMediaCard only until the MultiMediaCard seats in the FlashPath.

Caution: Do not use excessive pressure. If you fail to completely insert the MultiMediaCard, remove the MultiMediaCard, check that contacts and case are clean, and try again.

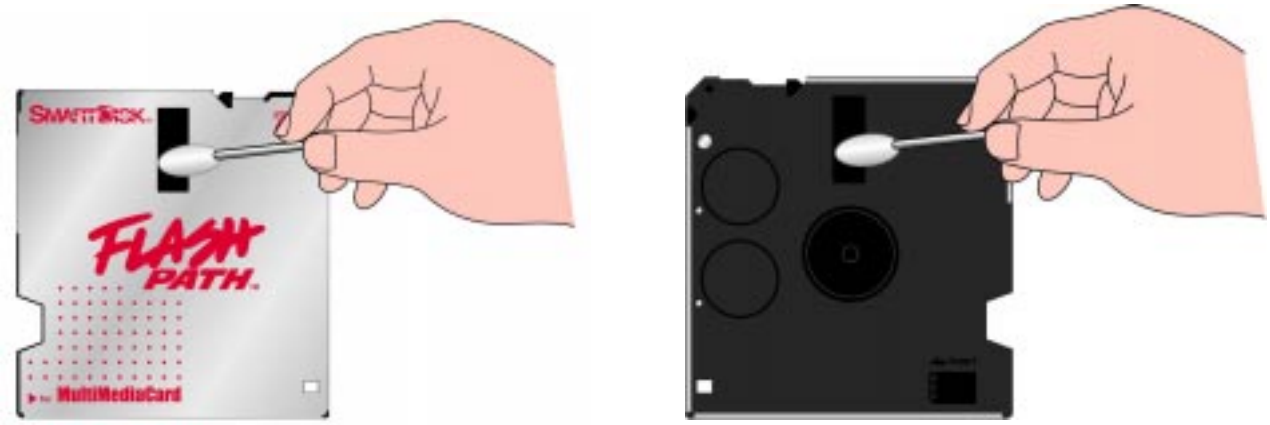


Note: FlashPath will not operate if MultiMediaCard is not inserted completely.

Cleaning

Remove the FlashPath from the floppy disk drive; remove the MultiMediaCard from the FlashPath. Use a clean, dry, lint free cloth or cotton swab to wipe off any oil, dust, or particles in the slot on the front and the back of the FlashPath.

If necessary, clean the remainder of the outside of the FlashPath with a clean, lint free cloth or paper towel and denatured alcohol.



Cleaning the FlashPath

After cleaning, place FlashPath in its jewel case for storage.

Shut down all other applications before installing FlashPath software. FlashPath software may not install correctly if installation is performed while other applications are running.

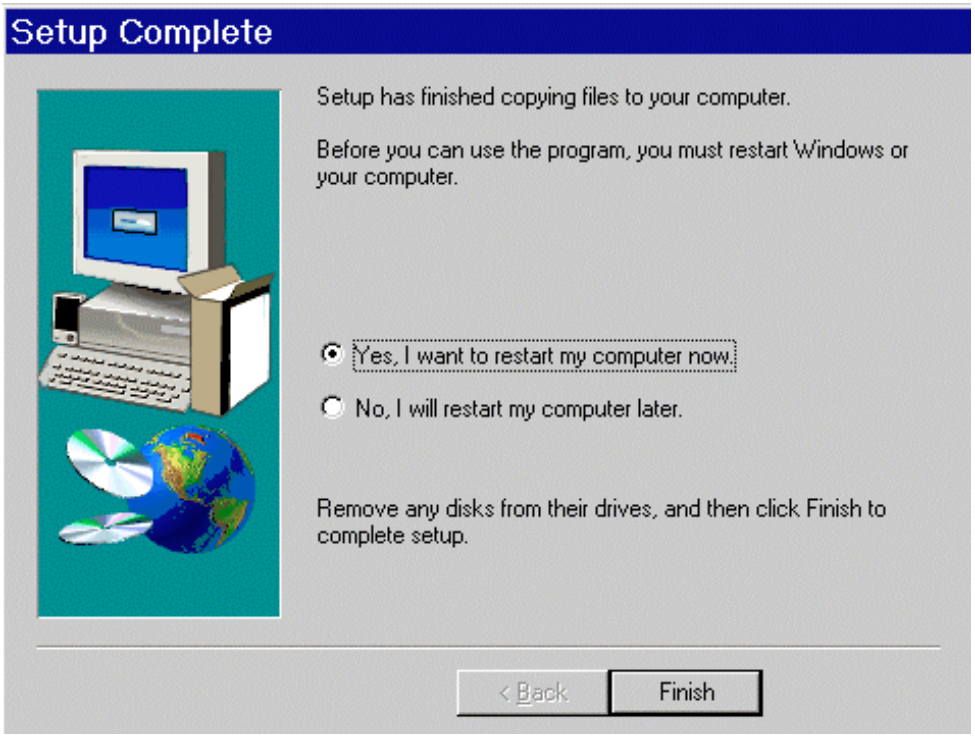
1. Insert your FlashPath-MMC software CD into the CD ROM drive.

2. Follow the directions on the screen to install the FlashPath software.

3. Setup, by default, copies the FlashPath files to the directory:

   C:\Program Files\SMARTDISK\FLASHMMC (unless a different destination directory is chosen).

Once the FlashPath software installation is complete, the following screen appears. Click OK to restart your PC. The FlashPath will not work until you reboot your PC.



Chapter 3 Using the FlashPath-MMC for Windows

Insert the MultiMediaCard into the FlashPath with the electronic contacts facing away from the metallic top cover of the FlashPath.

Insert the FlashPath into the floppy drive.

With the FlashPath software installed on your PC, you can now access a MultiMediaCard in the FlashPath. This will enable you to read and write data to the MultiMediaCard just as if it were a floppy disk!

You can also delete, move, create, or edit files for word processors, spreadsheet programs, photo editors, etc.

Do not compress files on the MultiMediaCard in the FlashPath using a drive space stacker, etc. You can store Zip files on MultiMediaCard; however, you cannot compress the file system on the MultiMediaCard.

To Erase Old Pictures from a MultiMediaCard

1. First copy any file you want to keep to your hard drive or other media.

2. In Microsoft Windows Explorer, click on the file(s) you want to delete and select File/Delete from the menu bar (or press the Delete key).

To Uninstall FlashPath Software

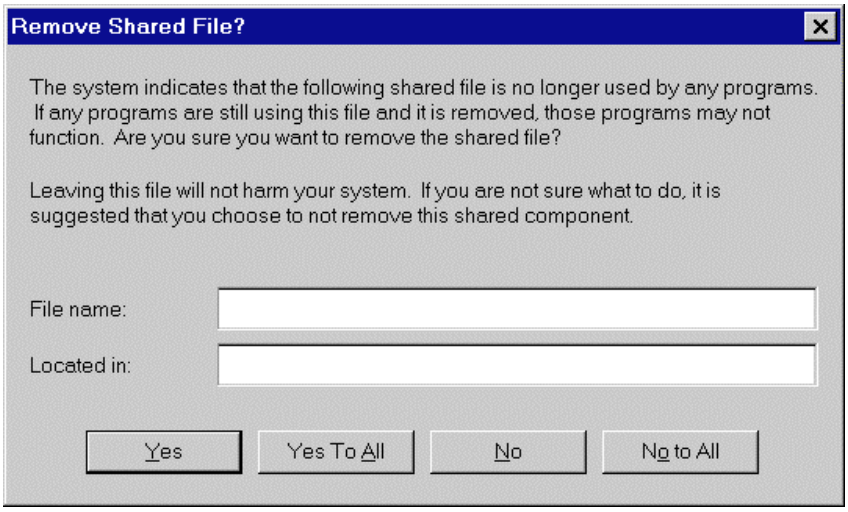
1. To uninstall FlashPath software, click on *Start* - *Settings* - *Control Panel*. Use delete (add/delete) to uninstall FlashPath-MMC.

2. The following screen will appear.



3. Click Yes and follow the directions on the screen to uninstall the FlashPath-MMC software.

Note: If you receive the message:



Always choose *Yes To All* to remove shared files when deleting FlashPath products.

Chapter 4 Status Monitor

The Status Monitor icon is automatically loaded into the System Tray at installation.



The Status Monitor displays the condition of the FlashPath as of the last time the drive was accessed. The condition image (diskette mode or FlashPath mode with battery condition) is displayed as an icon and one of several status messages. See below.

Status Monitor Icon

An icon image is constantly displayed and shows diskette mode (no FlashPath installed and/or accessed) or FlashPath mode (and battery condition).

Note: Right click on the Status Monitor icon to access the Help file.

Diskette Mode 

Normal Operation 

Low Battery 

Battery Critical 

Status Monitor Messages

Status Monitor Messages pop-up automatically when you position your cursor over the Status Monitor icon.

Message	Condition	Corrective Action
Diskette Mode	No FlashPath with a MultiMediaCard in Drive	Insert MultiMediaCard into FlashPath and insert FlashPath into drive.
Normal Operation	Computer able to read and write to FlashPath	---
Battery Low	Writes - disabled (If you are currently performing a write, FlashPath will try to complete the write.) Reads - enabled	Let computer complete reads; replace batteries.
Battery Critical	Writes - disabled Reads - disabled	Replace batteries immediately.
Sleeping	Device has entered sleep mode to conserve batteries (no reads / no writes)	Eject, wait awhile, and reinsert FlashPath.
Missing MultiMediaCard	MultiMediaCard not detected in FlashPath.	Eject FlashPath. Check for MultiMediaCard. Check that MultiMediaCard is inserted correctly. Reinsert FlashPath.

System Error Messages

System Error Messages automatically open when the condition exists.

Message	Condition	Corrective Action
Sleeping	The FlashPath has gone to sleep.	Eject, wait awhile, and reinsert FlashPath to activate.
No Media	There is no MultiMediaCard in the FlashPath.	Eject FlashPath. Check for MultiMediaCard. Check that MultiMediaCard is inserted correctly. Reinsert FlashPath.
Low Battery Warning	The batteries in the FlashPath are very low. Writes to the MultiMediaCard will be disabled. Reads - enabled	Let computer complete reads. Replace batteries.
Battery Critical	The battery in the FlashPath has reached a critical stage and will expire very quickly. Writes - disabled Reads - disabled	Replace batteries immediately.

The Status Monitor display will be updated each time FlashPath is accessed.

Chapter 5 Troubleshooting

1. **FlashPath is in the shutdown mode. What should I do?**

   Eject the FlashPath from the floppy drive, wait awhile, and then reinsert it.

2. **The computer does not recognize the FlashPath. Why?**

   If you attempt to access the FlashPath while inserting it in the floppy disk drive, the FlashPath may not be recognized and the message: "The disk in drive A is not formatted" may be displayed accidentally.

   In most cases, the computer will recognize the FlashPath if you eject the FlashPath from the floppy drive, wait awhile, and then reinsert it.

   The computer may not recognize the FlashPath under the following conditions:

   - **FlashPath automatically powers off after 5 minutes of inactivity, to extend battery life.** If this occurs, eject the FlashPath from the floppy drive, wait awhile, and then reinsert it.

   - **The batteries are not loaded or are almost completely exhausted.** Replace the batteries.

   - **The batteries are loaded in the wrong direction. The (+) pole of each battery should face the battery cover when inserted correctly.** Reinsert the batteries.

   - **The FlashPath driver has not been installed (or the system was not restarted after installation).** Install the FlashPath drivers if they were not installed previously and reboot your computer.

3. **I can't seem to format the MultiMediaCard. What should I do?**

   You MUST format the MultiMediaCard in your digital appliance. Follow your digital appliance recommendations for formatting the MultiMediaCard.

   Do not format MultiMediaCard using any other format utility.

4. **Is it necessary to reformat the MultiMediaCard before reusing it in a device?**

   No, you can use DOS or Windows "delete" or "erase" functions to remove unwanted files from the MultiMediaCard. Before erasing, copy any files you do want to save to the computer's hard drive or to a floppy disk.

Safety

For maximum safety, please observe the following precautions.

Definition of Terms

WARNING

Incorrect handling and/or operation could cause serious injury.

CAUTION

Incorrect handling and/or operation could cause damage to equipment or files.

WARNINGS

When handling batteries:

- Do not disassemble or modify the battery.
- Keep the batteries out of the reach of small children. If swallowed, poisoning or asphyxiation can result. Seek medical treatment immediately.
- Do not combine old and new batteries.
- Do not disassemble, modify, repair or charge the batteries.
- Do not connect the positive and negative terminals with any metal such as wire.
- Do not transport or store batteries together with metallic objects.
- Do not heat batteries or directly expose them to fire.
- Do not drive nails into, strike with a hammer, or step on the battery. **Failure to observe the above could result in battery leaks, heat emission, ignition, rupturing, skin burns or other injury.**
- Observe the positive and negative polarity indications when inserting the batteries. Do not allow dead batteries to remain in the battery compartment.
  Failure to observe the above could result in battery leaks, heat emission, rupturing, skin burns or other kind of injury.
- If leaking occurs, do not allow battery fluid to come in contact with the skin. Doing so could result in skin burning. If battery fluid gets on your skin or clothes, wash immediately with water. If battery fluid gets in your eyes, flush with water and seek medical treatment immediately.
- Use only the recommended type of batteries.
  Failure to do so could result in battery leaks, heat emission, rupturing, skin burns or other kind of injury.

CAUTIONS

- Do not use FlashPath near sources of heat or flame**. Doing so could result in smoke or fire.**
- Do not immerse FlashPath in liquids such as water, chemicals or oil. **Doing so could result in short circuiting, electric shock or fire.**
- If bent, dropped or exposed to strong impact, the product should be inspected at the place of purchase or by SmartDisk**. Failure to do so could result in smoke or fire.**
- Do not attempt to repair, modify or disassemble FlashPath**. Doing so could result in fire, electric shock or injury.**
- Do not make direct contact with or touch the pins (connecting surface) of the MultiMediaCard with metal. **Data could be damaged or erased by static electricity.**
- Do not turn the power off while downloading data from MultiMediaCard. **Doing so could damage or erase the internal data on the MultiMediaCard.**
- Do not unplug or expose to vibration or impact while uploading data to or downloading data from MultiMediaCard. **Doing so could damage or erase the internal data on the MultiMediaCard.**
- Be sure to save data to another medium at regular intervals in case the data stored in MultiMediaCard is damaged or lost. **We are not liable, however, for data saved to any medium.**
- Make sure the MultiMediaCard contains no essential data or files before formatting. **Failure to do so will result in loss of data.**
- Do not turn off the power or touch the floppy disk drive push button while the floppy disk drive is operating. **Doing so could damage or erase data in the MultiMediaCard.**
- When MultiMediaCard is formatted using your digital appliance format utility, all the data saved in the MultiMediaCard is erased.
- If a strange odor, sound or smoke is emitted from the FlashPath during use, immediately turn off the power and unplug the PC power cord from the electric outlet. **Failure to do so could result in fire or equipment damage. For repair, contact the place of purchase or contact our support team.**