SMARTDISK

FlashPath™ User Guide

Supporting both Secure Digital Memory Card and MultiMediaCard

for use on IBM® PC and Compatibles with

Microsoft® Windows 95/98/Me/NT4.0/2000/XP

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1 YEAR LIMITED WARRANTY

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To obtain repairs or replacement within the terms of this Warranty, the Product should be delivered with proof of purchase and specification of defect(s), transportation prepaid, to the company from which you purchased this Product.

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SD/MMC for FlashPath IS MANUFACTURED BY AND A TRADEMARK OF SMARTDISK CORPORATION.

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Table of Contents

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Welcome to FlashPath

FlashPath is an electronic device shaped like a 3.5-inch floppy diskette; it fits into and works from a 3.5-inch 1.44MB floppy disk drive.

FlashPath has a slot in the side that accepts the Secure Digital Memory Card or MultiMediaCard.

To read data, images, audio and other files from your digital appliance, simply remove the Secure Digital Memory Card or MultiMediaCard from the digital appliance and insert it into FlashPath. Then insert FlashPath into your PC's floppy disk drive and upload the media's contents to the PC. You can also copy files to the Secure Digital Memory Card or MultiMediaCard from the PC.

FlashPath

Secure Digital Memory
Card or MultiMediaCard

PC's Floppy Disk Drive

FlashPath with Secure Digital
Memory Card or
MultiMediaCard inserted
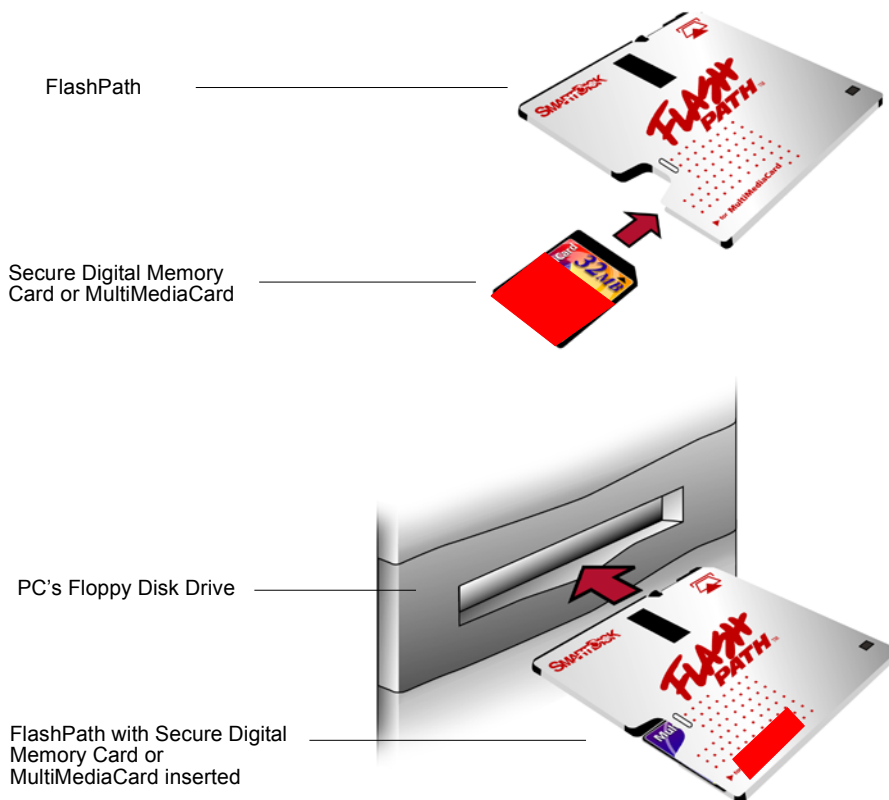
Features and Benefits

FlashPath has many features and benefits to simplify your digital lifestyle:

- Ready to use immediately with your 3.5-inch floppy drive after the software is installed and the computer is restarted. There's no need for cumbersome power supplies or cables.
- Easy to use and interchangeable among desktops and laptops. You can use FlashPath on both your home and office PC even if they have different operating systems and configurations.
- Low cost, yet reliable and effective.
- Easy to install and uninstall with simple set-up software.
- Compact and easy to carry.

Secure Digital Memory Card or MultiMediaCard for FlashPath supports IBM-PC compatible computers with 3.5-inch, 1.44 MB floppy drives.

Limitations and Notes

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 PCMCIA 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.

Other operational and handling notes are as follows:

- Do not store the Secure Digital Memory Card or 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.
- 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:

- Microsoft Windows 95/98/Me/NT 4.0/2000/XP
- For Windows 95/98/NT users: Intel X86 - 486 or Pentium class single processor.
- For Windows 2000 users: Intel Pentium class single or multiple processor, 133 MHZ or higher.
- For Windows Me users: Intel Pentium class single processor, 133 MHZ or higher.
- For Windows XP users: Intel Pentium class, single or multiple processors, 233 MHZ or higher.
- 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 software installed as described below.

Installing the Software

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 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\FLASHPATH**

4   Once the FlashPath software installation is complete, Select "Yes, I want to restart my computer now", click **Finish**.

Note: The FlashPath will not work until you reboot your PC.

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Using FlashPath

This chapter describes how to transfer files between your PC and the Secure Digital Memory Card or MultiMediaCard. This chapter also describes FlashPath status and how to delete files from the Secure Digital Memory Card or MultiMediaCard.
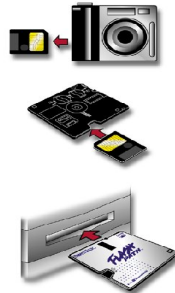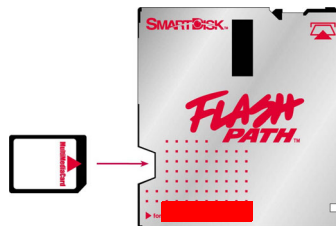

Transferring Files

1   Insert the Secure Digital Memory Card or MultiMediaCard into the FlashPath with the electronic contacts facing away from the metallic top cover of the FlashPath.

2   Insert the FlashPath into the floppy drive.

3   With the FlashPath software installed on your PC, you can now access a Secure Digital Memory Card or MultiMediaCard in the FlashPath. This will enable you to read or write data to the Secure Digital Memory Card or 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.

Note: Do not compress files on the Secure Digital Memory Card or MultiMediaCard using a drive space stacker, etc. You can store Zip files on the Secure Digital Memory Card or MultiMediaCard; however, you cannot compress the file system on the Secure Digital Memory Card or MultiMediaCard.

Erasing Files from the Secure Digital Memory Card or MultiMediaCard

1   Copy files 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).

Status Monitor

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

FlashPath Status Monitor
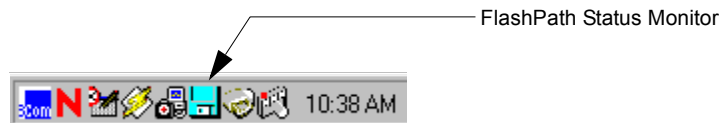
The Status Monitor displays the condition of the FlashPath as of the last time the drive was accessed. The condition icon (diskette mode or FlashPath mode with battery condition) is displayed as an icon and shows one of several status messages (see "Status Monitor Messages" on page 10).

Status Monitor Icon

An icon is constantly displayed in the System Tray and shows diskette mode (no FlashPath installed and/or accessed) or FlashPath mode (and battery condition). The Status Monitor display will be updated each time the FlashPath is accessed.

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 Secure Digital Memory Card or MultiMediaCard in Drive	Insert Secure Digital Memory Card or MultiMediaCard into FlashPath and insert FlashPath into the drive.
Normal Operation	Computer able to read and write to FlashPath	None.
Battery Low	Writes - disabled (If you are currently performing a write, FlashPath will try to complete the write.) Reads - enabled	Let the computer complete reads or write; replace batteries.
Battery Critical	Reads - disabled Writes - blocked **Note**: Flashpath will attempt to complete the current write.	Replace both batteries immediately.
Sleeping	Device has entered sleep mode to conserve batteries Reads and Writes - disabled.	Eject, wait awhile, and reinsert FlashPath.
Missing Secure Digital Memory Card or MultiMediaCard	Secure Digital Memory Card or MultiMediaCard not detected in FlashPath.	Eject FlashPath. Check for Secure Digital Memory Card or MultiMediaCard. Check that Secure Digital Memory Card or MultiMediaCard is inserted correctly. Reinsert FlashPath.

System Error Messages

System Error Messages automatically appear when an error 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 Secure Digital Memory Card or MultiMediaCard in the FlashPath.	Eject FlashPath. Check for Secure Digital Memory Card or MultiMediaCard. Check that Secure Digital Memory Card or MultiMediaCard is inserted correctly. Reinsert FlashPath.

Low Battery Warning	The batteries in the FlashPath are very low. Writes to the Secure Digital Memory Card or MultiMediaCard will be disabled. Reads - enabled	Let computer complete reads or write; replace the batteries.
Battery Critical	The battery in the FlashPath has reached a critical stage and will expire very quickly. Reads - disabled Writes - disabled Note: Flashpath will attempt to complete current write.	Replace both batteries immediately.

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Maintenance

This Chapter describes how to store your FlashPath, install batteries, and how to clean the FlashPath unit. This Chapter also describes how to uninstall the FlashPath software.

Operating and Storage Conditions

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

Do not store the Secure Digital Memory Card or 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.

Storage

Temperature 0 to + 65°C

Temperature Change less than 20°/hr.

Humidity 20-80% (non-condensing)

Operating

Temperature 0 to + 55°C

Temperature Change less than 20°/hr.
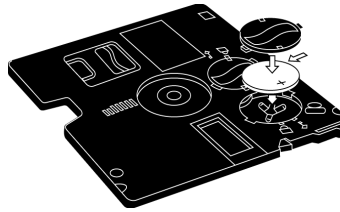
Humidity 20-80% (non-condensing)

Installing Batteries

Your FlashPath comes with batteries already installed. When the batteries expire, replace both batteries with new CR2016 lithium button cell batteries.

Caution: The batteries cannot be re-charged.

To change batteries:

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

2   Turn each cover counter-clockwise until the battery compartments are open.

3   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.

Caution: Never insert Flashpath into a floppy drive without batteries in place and the covers properly closed.

Cleaning

Remove the FlashPath from the floppy disk drive; remove the Secure Digital Memory Card or 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. After cleaning, place FlashPath in its jewel case for storage.
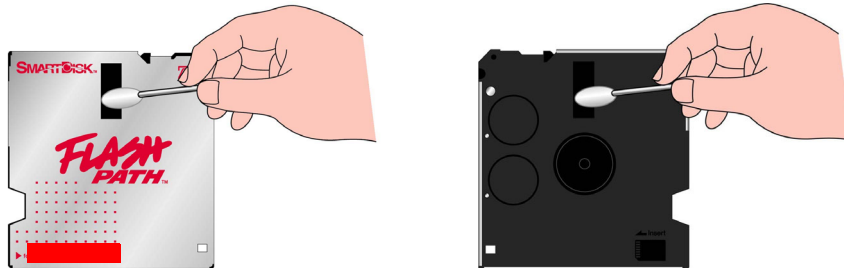
Uninstalling FlashPath Software

To uninstall FlashPath software:

1   Click on **Start** > **Settings** > **Control Panel**.

2   Select **Add/Remove Programs**. The Add/Remove Programs Properties window opens.

3 In the scrollable window, select **FlashPath for SD Memory Card.**

4 Press the **Add/Remove** button. You are asked to confirm the deletion of the software.

5 Click **Yes**. The FlashPath software is removed from your computer. If you are asked to remove a shared file, select **Yes to All**. The shared files are for FlashPath products only so other FlashPath products installed on your computer will be disabled.

6 When the uninstall is complete, click **OK.**

7 Reboot your computer.

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Troubleshooting

Q **FlashPath is in sleep mode. What should I do?**

A Eject the FlashPath from the floppy drive, wait a few seconds, and then reinsert it.

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

A 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 both 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 driver if it was not installed and reboot your computer.

Q **I can't seem to format the Secure Digital Memory Card or MultiMediaCard. What should I do?**

A You MUST format the Secure Digital Memory Card or MultiMediaCard in your digital appliance. Follow your digital appliance recommendations for formatting the Secure Digital Memory Card or MultiMediaCard. Do not format the Secure Digital Memory Card or MultiMediaCard using any other format utility.

Q **Is it necessary to reformat the Secure Digital Memory Card or MultiMediaCard before reusing it in a device?**

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

Q **I can't access my Secure Digital Memory Card. What should I do?**

A You cannot access a "Secure Digital (SD) Memory Card" using the old "FlashPath for MultiMediaCard" adapter. To access a SD Card, you must:

- Have a new FlashPath SD adapter

- Have FlashPath SD/MMC drivers installed (the old FlashPath MMC only drivers do not work with SD Cards).

Note: You cannot play "Secure Digital Music" directly from the FlashPath SD adapter. FlashPath SD does not support the Secure Digital Music Initiative (SDMI). It only mounts the SD Card in a MultiMediaCard mode.

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Safety

For maximum safety, please observe the following warnings and cautions.

WARNINGS

Incorrect handling and/or operation could cause serious injury.

When handling batteries:

- 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.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

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CAUTIONS

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

- 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 Secure Digital Memory Card or MultiMediaCard with metal. Data could be damaged or erased by static electricity.

- Do not turn the power off while downloading data from Secure Digital Memory Card or MultiMediaCard. Doing so could damage or erase the internal data on the Secure Digital Memory Card or MultiMediaCard.

- Do not unplug or expose to vibration or impact while uploading data to or downloading data from Secure Digital Memory Card or MultiMediaCard. Doing so could damage or erase the internal data on the Secure Digital Memory Card or MultiMediaCard.

- Be sure to save data to another medium at regular intervals in case the data stored in Secure Digital Memory Card or MultiMediaCard is damaged or lost. We are not liable, however, for data saved to any medium.

- Make sure the Secure Digital Memory Card or 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 Secure Digital Memory Card or MultiMediaCard.

- When Secure Digital Memory Card or MultiMediaCard is formatted using your digital appliance format utility, all the data saved in the Secure Digital Memory Card or 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.

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FCC Statement

FlashPath 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 or television communications. However, there is no guarantee that the 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 to an outlet on a circuit other than that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.