IMATION

SuperDisk™ USB Drive for Macintosh
User's Guide

SUPER DISK™ DRIVE
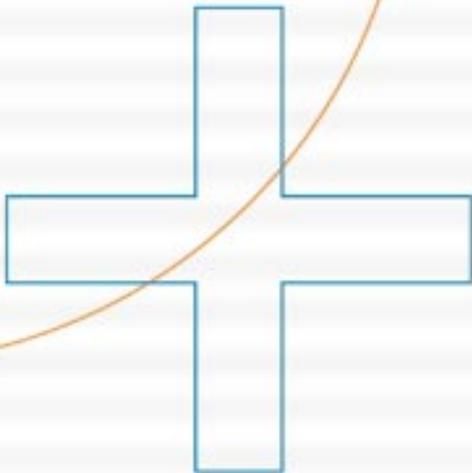
User's Guide

Mac

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Intended Use

This guide shows how to install and use the Imation SuperDisk USB Drive on an Apple Macintosh™ computer.

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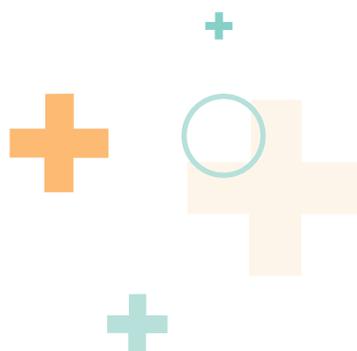
Welcome to Imation

Thank you for purchasing an Imation SuperDisk™ USB drive for Macintosh. This drive uses the latest USB technology and is fully hot-pluggable to an iMac™ or other Macintosh with native USB support. Hot-pluggable means you can connect or disconnect your SuperDisk drive anytime you wish without turning off your computer.

Your new drive is both high-capacity and floppy-compatible. It can use both Macintosh and PC-formatted 120MB SuperDisk diskettes and regular 2HD diskettes.

You can use your new drive to perform all of the following:
- store data and organize large files with *85 times* the capacity of conventional diskettes
- transfer large files and share data with other computers— both Mac and PC
- download from the Internet
- back up and restore important files and folders
- create space by archiving files on your hard drive
- protect private information on a personal SuperDisk diskette
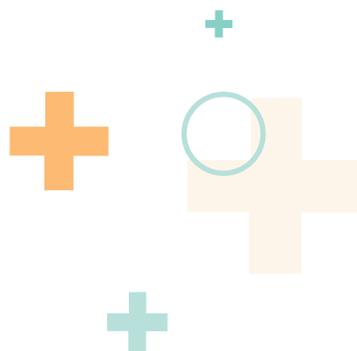
Getting Started

1 Make sure the following items are included in your box:

- Imation SuperDisk USB drive
- Auto-switching power supply and cord
- USB interface cable
- Installation CD-ROM (containing driver software and this guide)
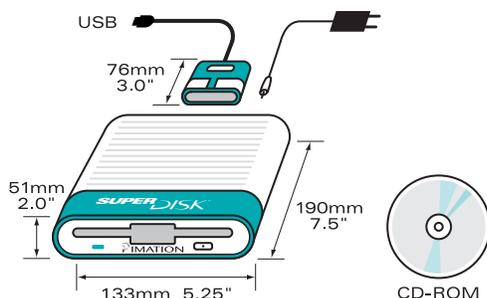
2 Make sure you have an iMac or Macintosh with all of the following:

- Mac OS™ 8.1 or higher
- Available USB port
- CD-ROM drive
- 16MB of RAM
- 5MB of available hard disk space
- *For iMacs only:*
  - ➥ iMac Firmware Update 1.0
  - ➥ iMac OS Update 1.0 (if your Mac OS is 8.1) **or** iMac OS Update 1.1 (if your Mac OS is 8.5.x)

Note: For more information, visit
http://support.info.apple.com/support/imac/index/html

3 Read the following tips to get the best results from your SuperDisk drive:

Diskettes

- Use Imation SuperDisk diskettes for Macintosh. Supported Mac and PC diskette types are listed in *Specifications*. 800KB and 400KB Mac format diskettes do not work in this drive.

Getting Started

Compatibility issues

- Before installing your drive, disable any security software (for example, Onguard™ or At Ease™) installed on your computer. Remember to enable this software after drive installation is complete. For more information, see your security software manual.

Safety—follow laser safety guidelines at the end of this guide.

Using your drive

- Always eject any diskette from your SuperDisk drive before disconnecting the drive from your computer. Doing so may prevent data loss.
- Never remove a diskette from your SuperDisk drive while your drive is making an operating sound or the green activity light is lit or blinking.
- Always operate your drive indoors where it's dry. Make sure the drive rests on a flat surface.

4 To keep up-to-date with product and software news, visit our web site. Make sure to register your drive on-line by following the links at:

http://www.imation.com/register/

Installing driver software

If your computer is a new-generation iMac or Macintosh G3, it comes with driver software pre-installed. You can skip to *Connecting the SuperDisk drive* if you wish. However, if you don't have a new-generation computer, or if you want to make sure your new-generation computer has the most recent driver (www.imation.com/superdisk/), perform the following:

1 Make sure your SuperDisk drive is *not* connected.

2 Carefully insert the installation CD-ROM printed side up into its drive tray and close the tray.

3 Double-click the CD icon. After a few seconds, the CD window opens.

SuperDisk Installer CD

4 Double-click the SuperDisk Installer icon.

SuperDisk Installer

5 The installer program displays this introductory screen. Click **Continue.**

Installing driver software

6 Software license agreement information appears. Read it and click **Continue.**


```
Apple Computer, Inc. Software License

PLEASE READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE")
CAREFULLY, THEN CLICK CONTINUE. IN THE DIALOG BOX THAT
APPEARS, CLICK EITHER AGREE OR DISAGREE. BY CLICKING
"AGREE," YOU ARE AGREEING TO BE BOUND BY THE TERMS OF
THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF THIS
LICENSE, CLICK "DISAGREE" AND (IF APPLICABLE) RETURN THE
APPLE SOFTWARE TO THE PLACE WHERE YOU OBTAINED IT FOR A
REFUND.

1. License.  The software, documentation and any fonts accompanying this License
whether on disk, in read only memory, on any other media or in any other form (the "Apple
Software") are licensed to you by Apple Computer, Inc. or its local subsidiary, if any
("Apple").  You own the media on which the Apple Software is recorded but Apple and/or
Apple's licensor(s) retain title to the Apple Software.  The Apple Software in this package
and any copies which this License authorizes you to make are subject to this License.

2. Permitted Uses and Restrictions.  This License allows you to install and use the
```

Print...   Save As...   Continue

7 This USB driver screen appears. Read it and click **Install** to load version 1.31 onto your hard drive.


```
SuperDisk Driver 1.31

                                    Read Me...

This software will install version 1.3 1 of the USB SuperDisk driver to your
iMac or other USB enabled Macintosh.

Required iMac Updates;

iMac Firmware Update 1.0
iMac OS ROM Update 1.0 if OS is 8.1
iMac OS ROM Update 1.1 if OS is 8.5.x

Install Location
                                              Quit
              Select Folder
on the disk "Macintosh HD"                   Install
```

The installer program searches for any previously installed driver and determines whether it's more recent then the one you're presently installing. If it is, the installer program prompts:

No installation was necessary. The files to be installed are already on your disk, or are not needed for your hardware setup.

Click **Quit** to exit from the installation process. Skip to *Connecting your SuperDisk drive.*
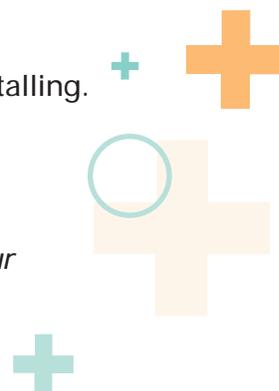
Installing driver software

8   This warning screen appears, reminding you to restart your computer when installation is complete. Click the **Continue** button on the right.

> This installation recommends you restart your computer after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
>
> [Cancel]   [Continue]

9   This screen appears, telling you driver software installed successfully. Remember to click the **Restart** button on the far right.

> Installation was successful. You have installed software which suggests you restart your computer. If you are finished, click Restart, or click Quit to leave the Installer. If you wish to perform additional installations, click Continue.
>
> [Continue]   [Quit]   [Restart]

Software installation is complete! Connect your SuperDisk drive next.

Connecting your SuperDisk drive

1 Connect the USB cable to the rear of your SuperDisk drive. Do this by squeezing the cable end together to separate its prongs. Then push the cable firmly onto your drive's connector. Release the sides to lock the cable in place.
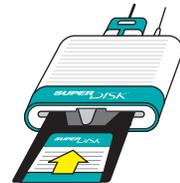
2 Plug the power cord (round end) into the rear of your SuperDisk drive and plug the other end of the power cord into a power outlet.
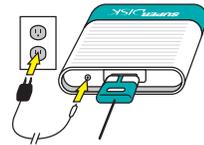
3 Plug the other end of the USB cable into an available USB port on your computer, keyboard, or hub.

4 Insert a diskette into your SuperDisk drive.

5 After a few seconds, the diskette icon displays on your desktop. Its appearance varies according to your operating system version and diskette type.

Your SuperDisk drive installation is complete!
You're now ready to use your drive.

Using your SuperDisk drive

Once you insert a SuperDisk or HD diskette into your drive, the diskette icon on your desktop operates just like your hard disk icon. You can drag-and-drop files to the diskette icon to move or copy files or folders. Just double-click the icon to see the files and folders on the diskette.
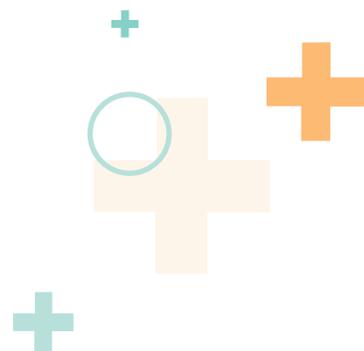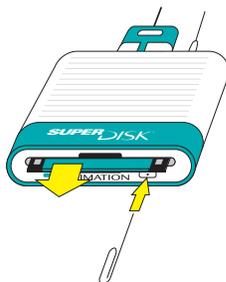
Ejecting Diskettes

There are three ways to eject a diskette:

1   Drag the icon to the trash icon.

SuperDisk | Trash

2   Press the **apple ⌘** and **E** keys at the same time.

3   Manual eject—if the diskette appears stuck or your drive does not have power, straighten out a paper clip, insert it into the small hole in the center of the Eject button, and gently push it in until the diskette ejects.

Using your SuperDisk drive

Formatting Diskettes

To format or erase a diskette:

1 Insert a diskette into the SuperDisk drive and click on the diskette icon.

2 Turn off **File Sharing** from **Control Panels** (only when formatting a diskette).

3 Choose **Erase Disk** from the **Special** menu in the Finder.

> Completely erase disk named
> "2MB Mac Format" (USB (v1.0))?
>
> Name: `2MB Mac Format`
>
> Format: `Mac OS Standard 1.4 MB` ⬍
>
> **?**   [**Cancel**] [**Erase**]

4 Select one of the formatting options from the menu (for example, Mac OS Standard, Mac OS Extended, or DOS).

> **Note:** Select the DOS formatting option for 1.4MB and 720KB diskettes only. Do not reformat SuperDisk diskettes to DOS format. See *Troubleshooting* for more information.

5 Click **Erase**.

> **Note:** Erasing a diskette may change your SuperDisk diskette icon's appearance. For more information on how to restore the icon, see *Troubleshooting*.
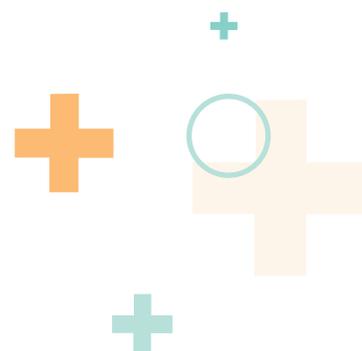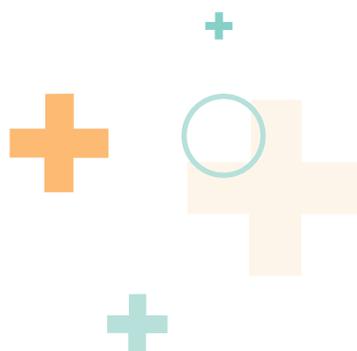
Cleaning your SuperDisk drive

Clean your SuperDisk drive after every 40 to 80 hours of operation, depending on the cleanliness of your operating environment. Head cleaning is an easy and effective way to prevent data loss. This does not mean the drive won't work if it isn't clean; it is only recommended to ensure optimum drive performance. Think of head cleaning as preventive maintenance—a clean head means less trouble later on.

Warning! Use only Imation's LS-120 or SuperDisk Head Cleaning Kit. Because of potential damage to the drive's head, use of any other head cleaning kit voids your warranty. *Do not* use a standard diskette head cleaning kit.

The Imation LS-120 SuperDisk Head Cleaning Kit is available through your retailer or Imation Internet store (US only): store.imation.com

Troubleshooting your SuperDisk drive

Your SuperDisk drive is designed to provide years of service. If you encounter problems, they may be due to a dirty drive head or improper installation.

Take the time to read through this section. For your convenience, additional information is available on the Imation web site **(www.imation.com/superdisk/):**

- more troubleshooting solutions
- common "how to" tips
- frequently asked questions (FAQs)

After I format a SuperDisk diskette in DOS, I cannot read the diskette on a PC.

Mac OS 8.1:
PC Exchange version 2.2 or earlier does not format SuperDisk diskettes correctly. To restore a PC-formatted diskette to Mac format:

1 On the **Apple** icon in the Finder, click **Control Panels** > **PC Exchange**.

2 Click the **Off** button.

3 Insert the diskette into a drive.

4 Reformat the diskette into Mac format.

Mac OS 8.5:
File Exchange does not format SuperDisk diskettes correctly. You may not be able to restore a PC-formatted SuperDisk diskette to a Mac format or interchangeable PC format. Avoid using the DOS format option.

The SuperDisk diskette icon does not display on my desktop after I insert a diskette into the drive.

1 Make sure you inserted a readable diskette into the SuperDisk drive.

2 Make sure all cables are securely connected.

3 Make sure the computer and drive have power.

4 Eject and reinsert the diskette.

5 If the icon still doesn't appear, reset the drive:

Troubleshooting your SuperDisk drive

a Unplug the SuperDisk drive's USB cable from your computer's USB port.

b Unplug the power cable (round end) from your SuperDisk drive and wait five seconds.

c Reconnect the power cable.

d Press Eject to remove any diskette from the drive.

e Reconnect the USB cable.

f Insert a good diskette (regular or SuperDisk) into your SuperDisk drive.

   The diskette resets the drive. If it does not, repeat steps a-d, restart your computer, and continue with steps e and f.

The SuperDisk diskette icon appears in black and white instead of gray.

This only occurs with Mac OS 8.1 after you erase a SuperDisk diskette.
To restore the icon's appearance, perform the following:

1 Click the SuperDisk diskette icon on your installation CD-ROM.

2 Choose **Get Info** from the **File** menu under the Finder.

3 Select the diskette icon from the window and choose **Copy** from the **Edit** menu.

4 Click the SuperDisk diskette icon on your desktop.

5 Choose **Get Info**.

6 Select the diskette icon from the window and choose **Paste** from the **Edit** menu.

Troubleshooting your SuperDisk drive

I need to un-install driver software.

1 Double-click your hard drive icon. Click **System Folder** > **Extensions**.

2 Find these files and drag them to the trash icon.
> USBSuperDiskDriver
> USBSuperDiskUTDriver

3 Empty the trash.

My drive cannot read diskettes after I install driver software and connect the drive.

1 Make sure you are using a fully supported diskette. See the Diskette Types table in *Specifications.*

2 Eject and re-insert the diskette.

3 Disconnect and reconnect the power cord plug from the back of the SuperDisk drive.

4 Disconnect and reconnect the USB interface cable from the back of your drive.

**"*The Software needed to use the device 'E-USB Bridge' cannot be found. Please refer to the device documentation to install the necessary software*" *appears after I restart my computer.*

This message appears if you have Mac OS 8.1 and you have turned off extensions and disabled drivers. Perform the following:

Solution 1: Install driver software if needed and not already installed.

Solution 2: Make sure to turn extensions back on before connecting the SuperDisk drive. Perform the following:

1 Click **Apple icon** > **Control Panels** > **Extensions Manager**.

2 Place a check beside these files:
> USBSuperDiskDriver
> USBSuperDiskUTDriver

3 Click **Restart**.

Troubleshooting your SuperDisk drive

***My SuperDisk drive reads regular diskettes but not SuperDisk diskettes.***

Clean your drive using the following methods:

1 Imation LS-120 or SuperDisk Head Cleaning Kit to clean your drive's head.

2 Compressed, canned air to clean your drive's optics. *Do not* insert the air can tube deep into the drive slot.

Contact Imation technical support if the problem persists.

My SuperDisk drive doesn't work with PC emulation software.

Virtual PC™ and Soft Windows™ require updates that you can obtain from your software vendor. PC emulation software typically supports only internal floppy drives, hard drives, and CD-ROM drives.
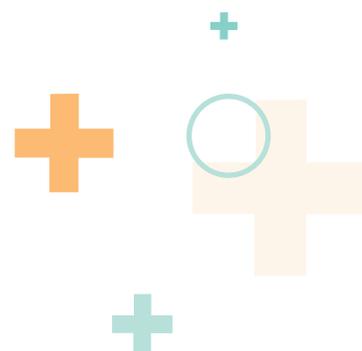
Specifications

Operating Position: Horizontal Only
Transfer Rate: Up to 40MB per minute with a SuperDisk diskette

Temperature Range
(Use in a non-condensing atmosphere)

Operating	40˚ to 104˚F	5˚ to 40˚ C
Non-operating	-22˚ to 140˚ F	-30˚ to 60˚C

Power (indoor use only—in dry area)

Size

Height	2 inches	38 mm
Length	7$^1/_2$ inches	190 mm
Width	5$^1/_4$ inches	133 mm

Diskette Types (3.5″)

| Diskette Type	Mac/PC	Read/Write	Format	Diskette Used
SuperDisk	Mac format	✓	✓	120MB Mac OS format SuperDisk diskettes
	PC format	✓	Ø	120MB PC (IBM) format SuperDisk diskettes
2HD	Mac format	✓	✓	1.4MB Mac format 3.5″ 2HD diskettes
	PC format	✓	✓	1.4MB IBM Mac format 3.5″ 2HD diskettes
800KB/400KB	Mac format	Ø	Ø	*NOT SUPPORTED*
2DD	PC format	✓	✓	720KB IBM format 3.5″ 2DD diskettes
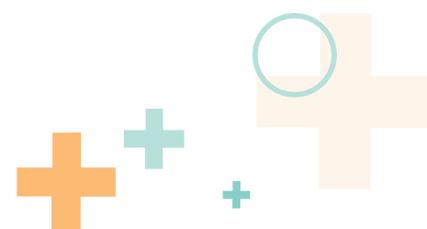
Regulatory Information

Laser Safety

The Imation SuperDisk drive contains a Class 1 laser that produces visible laser light at an intensity of up to 7 milliwatts (at 633 nanometers). Special precautions have been taken in the design of the disk drive to ensure that the operator will not be exposed to the laser light. Avoid looking directly into the laser beam path or any reflection of it. Laser light of this intensity can cause serious eye damage.

```
CLASS 1 LASER PRODUCT
```
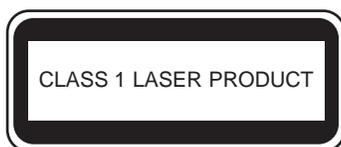
Complies with IEC 825-1 and EN60825-1 as a Class 1 LASER Product.

Class 1 laser products are not classified as being hazardous. However, to ensure safety consistency over the entire product life cycle, the following precautions should be considered:

1 Use of controls or adjustment of procedures other than those specified herein may result in hazardous radiation exposure.

2 The drive is designed to be incorporated within the Imation external enclosure. It is not designed to be used without an enclosure.

3 Do not open the external drive housing. There are no user adjustments or maintenance parts inside.
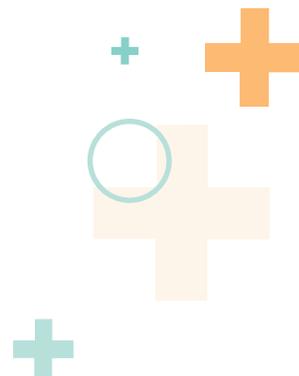
Regulatory Information

United States FCC Information

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, try to correct the interference by one or more of the following measures:

1 Reorient or relocate the receiving antenna.

2 Increase the separation between the equipment and the receiver.

3 Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

4 Consult the dealer or an experienced radio or television technician for help.

Canadian Notice

This class B digital apparatus meets all requirements of Canadian Interference-Causing Equipment Regulations.

Avis Pour Le Canada

Cet appareil numériqe de la classe B respecte toutes les exigences du Réglement sur le matériel brouilleur du Canada.
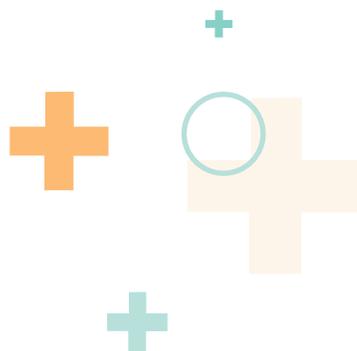
European Electrical Conformity

This equipment fully complies with the European CE requirements specified in the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC. See the following Declaration of Conformity:

Declaration of Conformity

|	
98/336/EEC,73/23/EEC	Application of Council Directive(s)
EN55022, EN60950	Standard(s) to which Conformity is declared
EN50082-1	
IEC1000-4-2	
IEC1000-4-3	
IEC1000-4-4	

Manufacturer's Name: Imation Enterprises Corporation
Manufacturer's Address: 1 Imation Place
                           Oakdale, MN 55128-3414

European Location of Declaration of Conformity
Imation Deutschland GmbH
Hammfelddam 11*D-41460 Neuss

Type of Equipment: Information Technology Equipment

This is to serve as official notification to our European Partners that the following product fully complies with the European CE requirements specified in the EMC directive 89/336/EEC and the Low Voltage Directive 73/23/EEC.

Model: SuperDisk USB Drive™ for Macintosh 2
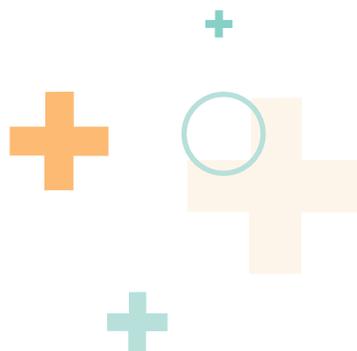
Limited Warranty

LIMITED WARRANTY AND LIMITATION OF REMEDIES:
Imation warrants that this product is free from defects in material and manufacture at the time of purchase. If any such defect appears within twelve (12) months from the date of purchase, Imation's entire liability is either a) repair, or b) replacement of the product, or c) refund of the purchase price of the product, which must be returned to Imation with proof of purchase. This warranty does NOT apply to product failure resulting from misuse, abuse, accident, neglect or mishandling, improper adjustment or maintenance, incorrect environments or wear from ordinary use.

IMATION SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL LOSS OR DAMAGE (INCLUDING WITHOUT LIMITATION DAMAGES FOR LOSS OF PROFITS, SAVINGS OR DATA) IN ANY WAY RELATED TO THE PRODUCT.

This does not exclude claims for personal injury. Some legal systems do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may also apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary depending upon the legal system is applicable to your purchase and/or use of the product.

For technical support and service information, see the next page.
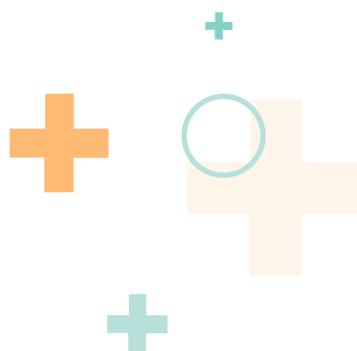
Imation Technical Support

Imation provides free support on the Internet and via e-mail. There may be a basic charge for phone consultations and solutions to installation and operator problems.

If you need to contact Imation, please include the following information or have it ready before you call:

- ✔ Drive model (for example, internal, USB, parallel port)
- ✔ Drive serial number (located next to bar code on drive)
- ✔ Date of purchase
- ✔ General computer information
    - • Operating System
    - • Brand and model of computer
    - • Other hardware included on your system (for example, internal CD-ROM drive,
    - • other storage devices)
    - • Brand and model of printer (if the printer is connected via your parallel port)

Telephone Support:

US & Canada	1 800 888-2700
Australia	1 800 244 181
New Zealand	0 800 445 922
Latin America	1 651 704-7222

Europe

Belgium (French)	+32 [0] 2720 61 51
Belgium (Flemish)	+32 [0] 2720 4800
France	+33 [0] 1343 55533
Germany	+49 [0] 2131 226 01
Italy	+39 [0] 2753 83972
Netherlands	+31 [0] 065 42141
Spain	+34 [9] 134 32640
United Kingdom	+44 [0] 1344 862201

Asia

Hong Kong	852 2571 2000
Singapore	65 3837 651

For telephone support numbers in other countries and for fax numbers, please check the README file on the installation CD, the Imation web site (www.imation.com), or contact Imation in the United States at:

General Information

US & Canada	1 888 466-3456
Outside US & Canada	1 651 704-7229

FAX

US & Canada	1 888 704-7100
Outside US & Canada	1 651 704-7121

Web Site (FAQ's)   www.imation.com/superdisk/

E-mail   info@imation.com

IMATION