

## About SuperDuper™ & AutoDuper™ ---

Quickly copy disks easier than ever before! SuperDuper quickly copies disks on more Macs than any other quick copy program. AutoDuper works with more autoloaders than any other program.

SuperDuper is the only program that quickly copies unformatted disks without modifying unprotected originals and without skipping the tags!

### Requirements

SuperDuper runs on any Macintosh, from a Plus to the latest Power Macs, system 6.0.2 or newer. Two megabytes of memory is required.

### SuperDuper

SuperDuper copies and compares all Mac, PC, and other standard floppies, including any tags, and opens and saves DiskCopy disk images. It is compatible with all Macs. The number of copies can be selected. Copying is fast, since it does not need a separate pass for formatting. It works with Douglas autoloaders. Registration of the lite version unlocks all features of SuperDuper and costs \$20. SuperDuper is also available with a manual and a system on the disk for turnkey disk duplication, for \$30.

### AutoDuper

The autoloader version, called AutoDuper, has all the features of SuperDuper, plus it works with any autoloader that uses the Mountain protocol such as the Trace, Champion, Ventuno, Mission Six, and Mountain autoloaders. It also works with Datapath autoloaders and Douglas autoloaders with optional reject flappers. It comes with a manual and a system on the disk for turnkey disk duplication. AutoDuper retails for \$250.

### Lite Version

The lite version of SuperDuper copies all Mac, PC, and other standard floppies, including any tags, and opens and saves DiskCopy disk images. It is compatible with all Macs. Registration of SuperDuper enables compares, multiple copies, and faster copying. The built-in demo of AutoDuper has all autoloader features enabled except copying and comparing of disks while autoloading.

The lite version may be freely distributed as long as it is not modified or registered, and if it clearly states 'This lite version of SuperDuper may be freely distributed' at the bottom of the about box next to the OK button. Registering the lite version replaces that message with registration information.

### Installation

SuperDuper should be copied to your hard disk and opened from there.

If you do not have a hard disk, you can start up off of the SuperDuper disk which includes system 6.0.8. SuperDuper will automatically open and the SuperDuper disk will eject.

### Availability

SuperDuper and AutoDuper are available from:

Snap Systems

1130 Fremont Blvd #367

Seaside, CA 93955 USA

408-899-4821

snap@netcom.com

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## SuperDuper Help ---

### Quick Start

Type command-C to copy this Get Info box to the clipboard.  
Insert a disk, or open or save, when that icon is flashing.  
Cancel copying/comparing by pressing command-period.  
Some of the following instructions do not apply to the lite version.

### Shortcuts

Command-period stops any operation. This also lets you read in a new original.

Command-R lets you read in a new original.

Command-E stops copying/comparing and lets you compare to a new copy disk.

Command-W stops copying/comparing and lets you copy to a new copy disk.

### Selecting the Number of Copies

Select "One Copy" to make one copy of each original, for making a backup set of your originals, for example. When one copy is selected, SuperDuper will display information about a disk before copying onto it.

Select "Many Copies" to make many copies of each original. When many copies is selected, SuperDuper will not display information about a disk before copying onto it, for reasons of efficiency. Be sure that the disks do not contain any important information before making copies!

Select "Number of Copies" to enter an exact number of copies desired.

Select "Many Until Locked Original" to keep making copies until a new locked original is inserted, then when a new locked original is inserted, SuperDuper will read the new locked original and make copies of it. Be sure to lock your originals before inserting them!

### Reading an Original

When SuperDuper is ready to read in an original, the Original Disk icon will flash indicating that SuperDuper is ready to read in an original. When an original is inserted, selected from the "Read Disk" menu, or a disk image file is opened using the "Open" menu, the Original Disk icon stops flashing, and an Arrow will appear, and the original disk will start to be read in. The Original Disk icon will shade depending on how much of the original has been read in. When as much of the original disk has been read in as possible, SuperDuper will stop reading the original and eject it if necessary.

### Finishing a Original

When SuperDuper finishes reading in an original, information about the disk is displayed and a checksum is computed in the form 12345678+12345678. The first part is the data checksum and the second part is the tag checksum. The tag checksum is computed for 400K and 800K disks.

### Making a Copy

When SuperDuper is ready to copy to a copy disk, the Copy Disk icon will flash indicating that SuperDuper is ready to copy to a copy disk. When a copy is inserted, selected from the "Copy to Disk" menu, or a disk image file is saved using the "Save As" menu, the Copy Disk icon stops flashing, and an Arrow will appear, and the copy disk will start to be written to. The Copy Disk icon will shade depending on how much of the copy disk has been written to. When as much of the copy disk has been written to as possible, SuperDuper will stop copying to the copy disk and eject it if necessary.

### Finishing a Copy Disk

When SuperDuper finishes copying to a disk, the disk is ejected. If the copy disk was copied okay, the Good Disks counter increases by one. If there was a problem in copying, an error message is displayed and the Bad Disks counter increases by one.

## AutoDuper Help ---

### Cables

You will need one of three types of 20 conductor ribbon cable assemblies to connect to your autoloader, depending on your Mac.

If you have a Mac with an external floppy port (Plus, SE, SE/30, Classic, Classic II, IICx, IICi, IIsi, Portable), you will need a 20 pin IDC socket connector/DB-19 connector cable.

If you have a Mac without an accessible internal or external floppy connector (Power Mac LC), you will need a 20 pin IDC socket connector/20 pin IDC plug connector cable.

If you have a Mac without an external floppy port but with an internal floppy connector (all other Macs), you will need a 20 pin IDC socket connector/20 pin IDC socket connector cable.

### **Connecting the Autoloader**

Connect the drive cable between the internal or external connector on the Macintosh and the connector on the floppy drive inside of the autoloader. Connect the serial cable from the modem port (marked with a picture of a phone) on the Macintosh to the RS 232 IN connector on the autoloader.

### **Autoloading**

Select Auto Load to start copying or comparing. Disks will be read from the autoloader if there is no internal floppy disk. The type of autoloader will automatically be determined. Anytime an autoloader error comes up, click OK to retry, or Cancel to turn off autoloading.

### **Soft Eject**

Select Soft Eject to use the disk drive soft eject, deselect Soft Eject if your autoloader has an eject arm and you wish to do hard ejects.

### **Stop on Reject**

Select Stop on Reject to stop and display an error message. This is mainly used for the Douglas Mac-Disk Duplicator, but can be used with any autoloader.

### **Loader Commands**

With Mountain-compatible autoloaders, you can send Status, Clear, Insert, Accept, and Reject commands to the autoloader and see the responses displayed. With the Douglas autoloader, Insert will let you insert a disk without reading or copying disks, Accept will eject disks, and Reject will eject and play the reject sound to move the reject flapper. Commands are for testing the autoloader and will not result in actual reading or copying of the disks.

### **Cycling**

Select Cycle into Accept or Cycle into Reject to cycle disks through the autoloader without reading or copying the disks, to test the action of the autoloader.

## **Features**

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### **Efficiency**

SuperDuper needs only 500K allocated to it under system 7. SuperDuper can work with very little memory, caching information to disk if needed. SuperDuper minimizes the number of disk swaps required to copy removable disks using available memory and disk space. SuperDuper can copy in the background so that you can work in other applications.

### **Compatibility**

SuperDuper works on more Macintosh models and more systems than DiskCopy or ShrinkWrap. SuperDuper copies all Mac, PC, and other standard 3.5" floppies, 400K, 800K, 720K, and 1440K. SuperDuper creates standard DiskCopy disk image files and computes standard DiskCopy checksums for both data and tags. SuperDuper opens both DiskCopy and DiskDup+ disk image files.

AutoDuper is compatible with more types of autoloaders than any other program on any platform.

### **Speed**

SuperDuper formats on the fly, making it twice as fast as DiskDup+, Norton Utilities, and MacTools Deluxe when copying onto unformatted floppies. The checksum algorithm is highly optimized and calculates checksums twice as fast as any other disk copy program.

Throughput for unformatted floppies:

400K: 116/hour, 800K: 67/hour, 720K: 78/hour, 1440K: 41/hour.

### *Ease of Use*

*Nothing is easier to use. SuperDuper is totally automatic and mouse-free from the moment you start. The completely graphical interface makes it easy to see what's going on.*

### *Accuracy*

*SuperDuper always copies tags, unlike DiskDup+. You can be assured that your copy disk is identical to the original disk because SuperDuper always compares the copy to the original after copying. It's also possible to compare only.*

### *Safety*

*Mounting unprotected originals results in modifications to the originals. SuperDuper never mounts the original, so unprotected originals are never modified using SuperDuper, unlike using DiskCopy and ShrinkWrap where unprotected originals are modified. When swapping floppies, SuperDuper will never accidentally copy onto the original. To prevent accidental later use of bad copies, bad copies will not be mountable.*

## *Autoloaders*

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### *Tracer 3 Plus*

*Mountain-compatible with accept and reject bins.  
One of the lowest machine cycle times available.  
Self-test for entire autoloader and automatic jam clearing.  
Disk capacity: 100 disks.  
Dimensions: 10x8.5x25 inches.  
Weight: 54 pounds.  
Power requirements: 110/220v, auto switching.  
Warranty: 90 days.  
Retail price: \$3500*

### *Douglas MacDisk Duplicator*

*Automatically loads and unloads disks with single output path.  
Software stops on bad disks and displays error messages.  
Optional reject flapper available.  
Easy to use and economical.  
Disk capacity: 65 disks.  
Dimensions: 8x20x16 inches.  
Weight: 15 pounds.  
Power requirements: 110 and 220v models available.  
Warranty: Full 90-day warranty on parts and labor.  
Retail price: \$1500  
Includes SuperDuper.*

## *Legal*

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### *License*

*You may use this software only on one single computer at any one time.*

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