

DOS 3.3 RamDrive

You don't have to be an experienced programmer to use the RamDrive software but you do have to be familiar with the commands and operation of DOS 3.3. You must also know some of the Applesoft BASIC programming language. For additional information we suggest the following reference manuals:

The DOS User's Manual (Apple Computer, Inc.)
The DOS Programmer's Manual (Apple Computer, Inc.)
Beneath Apple DOS (Quality Software)
Applesoft Programmers Reference Manual (Addison-Wesley Publishing)
Apple IIe Reference Manual (Apple Computer, Inc.)

This section explains what the DOS 3.3 version of RamDrive is and how to install and use the emulated disk drive(s). This section also provides instructions for the additional programs, SPEEDOS, RAMCOPY, and a specially modified version of FID, included on the DOS 3.3 side of the Super Desktop Expander disk.

Description of RamDrive

Depending on the amount of memory (or memory you allocate) on your RamWorks, the RamDrive software will automatically configure up to one megabyte of RamWorks memory on the main board to emulate from one to six solid-state disk drives. The storage capacity of the individual RamDrives also depends upon the amount of RamWorks memory you allocate for RamDrive emulation. These disk drives support all DOS 3.3 commands (with the exception of INIT) so you can access them just like conventional DOS 3.3 disk drive(s) by addressing a phantom disk interface card installed in slot 3. For each additional 192K of RamWorks memory DOS 3.3 will recognize another emulated disk drive. For example, a 512K RamWorks can emulate one drive (Drive 1) with 744 free sectors, one (Drive 2) with 749, and another (Drive 3) with 239 free sectors. (An initialized DOS 3.3 floppy disk has 496 free sectors; one sector contains 256 bytes of data.) The number of DOS 3.3 files is still limited to 105 per volume (disk). Table 5-1 illustrates RamDrive storage available for various memory configurations.

Install RamDrive

Install RamDrive(s) in one of two ways:

Way 1: Boot side two of the Super Desktop Expander disk and select the "Install RamDrive" option from the main menu.

Way 2: Load DOS 3.3 into memory and run the RAMDRIVE binary program file. You can do this from within an Applesoft program by inserting the following program line:

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PRINT CHR$(4); "BRUN RAMDRIVE,S6,D1"
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This example assumes that the disk with the RAMDRIVE program is in drive one and the disk controller is in slot six, although you