

file owns, and that block cannot be freed through normal ProDOS file calls.

The Solution

Although this problem was fixed in later IIc revisions, the UniDisk 3.5 interface for the Apple] [+ and IIe has never been modified. Therefore, if your application habitually performs the actions outlined above, you may avoid it by first checking to see if the media is write-protected instead of letting the buggy ProDOS STATUS call do it for you.

One way to accomplish this would be to issue a SmartPort `STATUS` call using a `statcode = $00`. This call returns four bytes of information, the first of which is the general status byte. This byte has the following format:

Bit	Meaning
7	0 = character device; 1 = block device
6	1 = write allowed
5	1 = read allowed
4	1 = device on line or disk in drive
3	0 = format allowed
2	0 = medium write protected (block devices only)
1	1 = device currently interrupting (Apple IIc only)
0	1 = device currently open (character devices only)

As shown in the table, bit 2 of this byte tells you what the ProDOS `STATUS` call cannot seem to figure out—the media in the drive is currently write-protected.