

1. Turn off the interrupt source. Remember, 255 unclaimed interrupts will cause system death.
2. Make a `DEALLOC_INTERRUPT` call before exiting from your application. Do not leave a vector installed that points to a routine that is no longer there.

Within your interrupt handler routines, you must leave all memory banks in the same configuration you found them. Do not forget anything: main language card, main alternate \$D000 space, main motherboard ROM, and, on an Apple IIe, IIc, or IIGS, auxiliary language card, auxiliary alternate \$D000 space, alternate zero page and stack, etc. This is very important since the ProDOS interrupt receiver assumes that the environment is absolutely unaltered when your handler relinquishes control. In addition, be sure to leave the language card write-enabled.

If your handler recognizes an interrupt and services it, you should clear the carry flag (CLC) immediately before returning (RTS). If it was not your interrupt, you set set the carry (SEC) immediately before returning (RTS). Do not use a return from interrupt (RTI) to exit; the ProDOS interrupt receiver still has some housekeeping to perform before it issues the RTI instruction.

Further Reference

- *ProDOS 8 Technical Reference Manual*