

Clock	Real-time clock module
CC3GO	System startup process
W - W7	Window device descriptors W, W1, W2, W3, W4, W5, W6, W7

OS-9 stores the modules loaded during the system startup with a minimum of fragmentation. To include additional modules, create new bootstrap files using the OS9GEN command or the CONFIG program supplied with OS-9. You cannot unlink a module loaded as part of the bootstrap.

After booting, when the system switches the boot block into its own address space, any non-system files included in the bootstrap decrease the memory available in the system mode. It is best to place optional modules in a separate file and load them as part of the system startup procedure. One example is the shell. Never include the shell as part of a system boot file in OS-9 Level Two systems.

The Sys Directory

The OS-9 SYS directory contains a number of important files:

- Errmsg is the error message file.
- Helpmsg contains syntax and usage information.
- Stdfonts contains the standard software fonts for use on graphic windows.
- Stdopts_2, Stdopts_4, and Stdopts_16 contain screen background and fill patterns for 2, 4, and 16 color graphics screens, respectively.
- Stdptrs contains graphic pointer images for use with a mouse.

These files, and the SYS directory itself, are not required to boot OS-9, but you do need them if you plan to use the ERROR or HELP commands, or if you intend to use text, or mouse pointers on graphic windows. You can also add other system-wide files of a similar nature.