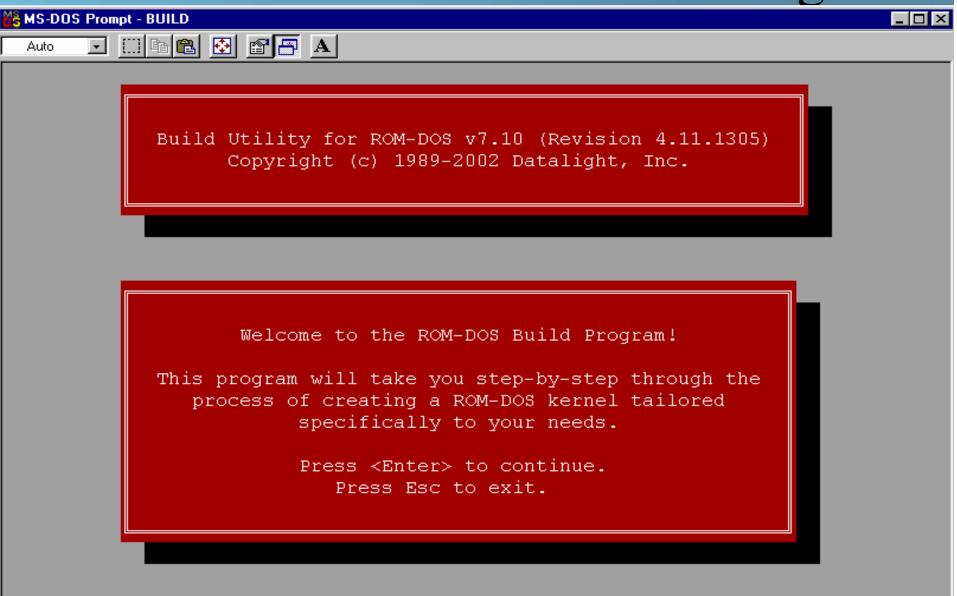
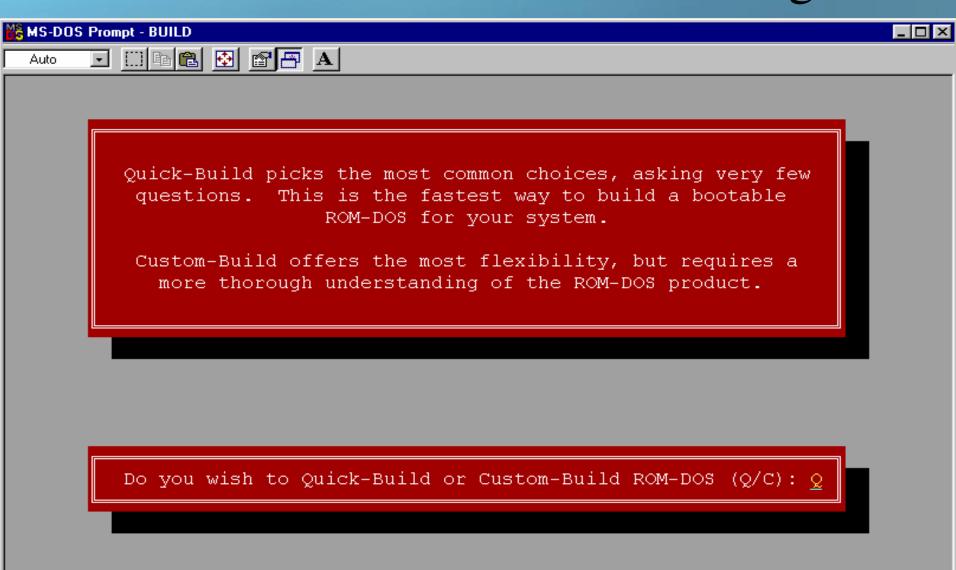
#### ROM-DOS<sup>TM</sup> Build

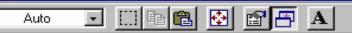
- Available only in SDK
- Utilizes SDTK for Compiler
- Allows for customizing ROM-DOS Kernel
- Provides valuable support information











🖁 MS-DOS Prompt - BUILD

You have chosen Custom-Build.

ROM-DOS has the ability to be compatible with DOS 6.22 or with DOS 7.1. It can not be compatible with both at the same time. You will need to run build again if decide you want to change the DOS compatibility.

> Answer 'Yes' if you want DOS 7.1 compatibility. Answer 'No' if you want DOS 6.22 compatibility.

> > Would you like DOS 7.1 compatibility? Y













You have chosen Custom-Build.

You can have support for LFNs (long file names) with either a DOS 6.22 or a DOS 7.1 compatible kernel. Adding long file name support will make ROM-DOS a bit larger.

Answer 'Yes' if you want ROM-DOS to support LFNs (long file names).

Would you like to enable LFN support? N



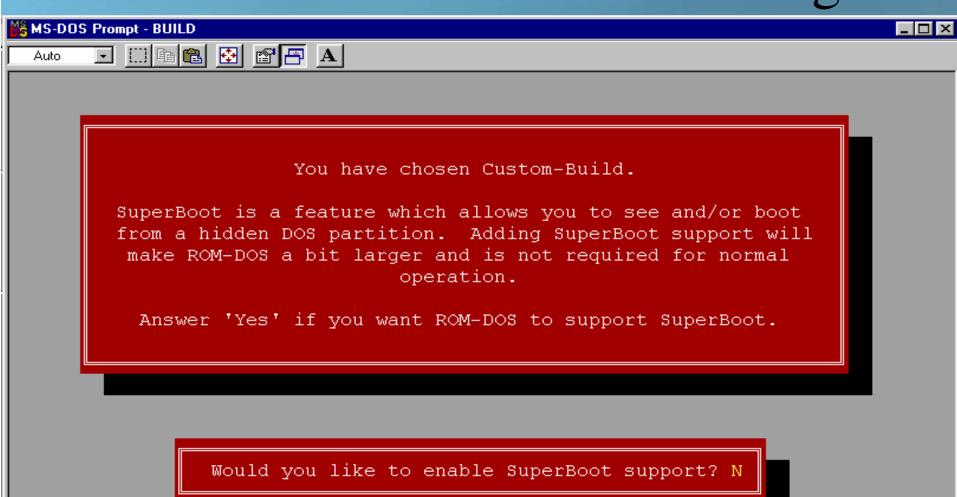
Auto

You have chosen Custom-Build.

Answer 'Yes' if you want ROM-DOS to boot from floppy, hard disk or any other disk that FORMAT and SYS understand. Also answer 'Yes' if ROM-DOS will be loaded into RAM by the paged loader, or directly by other means.

Answer 'No' if ROM-DOS will boot and run from ROM, Flash or other memory, as a BIOS extension.

Will ROM-DOS boot from Floppy/Hard disk? Y





🖸 📖 🛍 🔁 🖀 🔼 Auto

> A fully compatible floppy/hard-disk driver insists all BIOS drives have two FATs. But some devices, such as memory card drives, may really have only one FAT. ROM-DOS can support such special devices by sacrificing compatibility, always believing the drive information in the Bios Parameter Block (BPB) found on the disk.

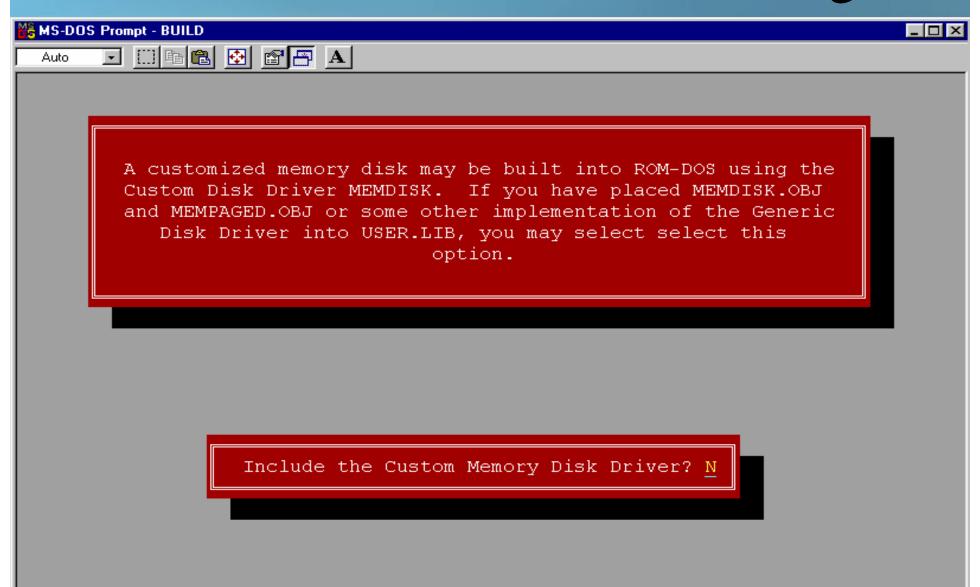
> > Always believe the BPB information? N



Auto

A floppy/hard disk bootable ROM-DOS can boot slightly faster and be made slightly smaller by excluding the ROM-DISK driver that is built into ROM-DOS. ROM-DOS will then no longer recognize ROM-DISKs, unless of course a ROM-DISK device driver is installed via CONFIG.SYS.

Include the built-in ROM-DISK driver in ROM-DOS? N





🖸 🗀 🛍 🚱 🚰 🗛 Auto

> Boot diagnostics tell ROM-DOS to print various letters and numbers to the BIOS as ROM-DOS boots, indicating the current stage of the boot process. These diagnostics are extremely useful in tracking down boot failures.

A complete description of boot diagnostics can be found in the READ.ME and manual.

Do you want ROM-DOS boot diagnostics? Y



🖸 🗀 🛍 🚰 🗚 Auto

> On systems with a keyboard capable of indicating the Alt key status, a boot menu is available. As ROM-DOS gains control, it checks to see if the Alt key is pressed, and if so, presents a menu with various boot options. These options include the ability to boot DOS from floppy or hard disk, or read CONFIG.SYS from ROM, hard or floppy disk.

> > Include the Boot Menu? N



🖸 📖 🖺 🚱 🔠 🗚 Auto

> ROM-DOS, like a desktop DOS, gets the TIME and DATE from the BIOS tick count. This has the disadvantage of being out of synch with the Real Time Clock due to lost ticks.

It is possible to use the Real Time Clock instead of the BIOS ticks. The only disadvantage here is that hundredths of seconds are always 0. For Real Time systems, we recommend the RTC.

Use Real Time Clock Exclusively? N





Would you like DOS 7.1 compatibility? Would you like to enable LFN support? Will ROM-DOS boot from Floppy/Hard disk? Υ Would you like to enable SuperBoot support? N Always believe the BPB information? N Include the built-in ROM-DISK driver in ROM-DOS? Include the Custom Memory Disk Driver? Do you want ROM-DOS boot diagnostics? Y Include the Boot Menu? Use Real Time Clock Exclusively?

Do you wish to change any of these options? Y





MS-DOS Prompt - BUILD

ROM-DOS has now been built for a Floppy/Hard disk system. It takes 72K (73280 bytes) of disk space.

The files ROM-DOS.SYS and COMMAND.COM (ROM-DOS.SYS was created by this build, COMMAND.COM should be found in the current directory) are used by Datalight's SYS and FORMAT utilities to create bootable Floppy/Hard disks.

Type "SYS A: " or "FORMAT A: /S" to make a bootable floppy.

Press <Enter> to exit.

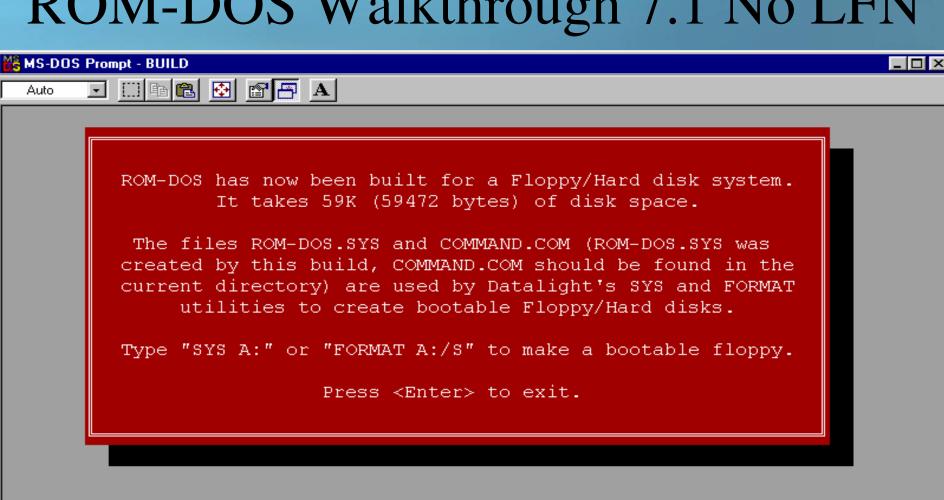
## ROM-DOS Walkthrough 7.1 No LFN



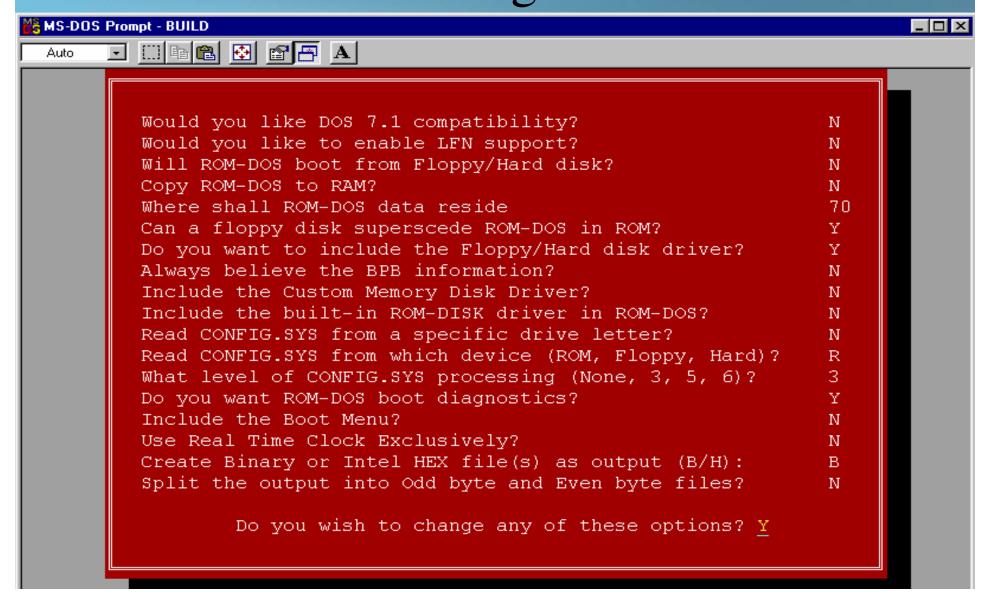
Auto

Would you like DOS 7.1 compatibility? Would you like to enable LFN support? N. Will ROM-DOS boot from Floppy/Hard disk? Would you like to enable SuperBoot support? N. Always believe the BPB information? Include the built-in ROM-DISK driver in ROM-DOS? Include the Custom Memory Disk Driver? N. What level of CONFIG.SYS processing (None, 3, 5, 6, 7)? Do you want ROM-DOS boot diagnostics? Υ Include the Boot Menu? N Use Real Time Clock Exclusively? N. Do you wish to change any of these options? Y

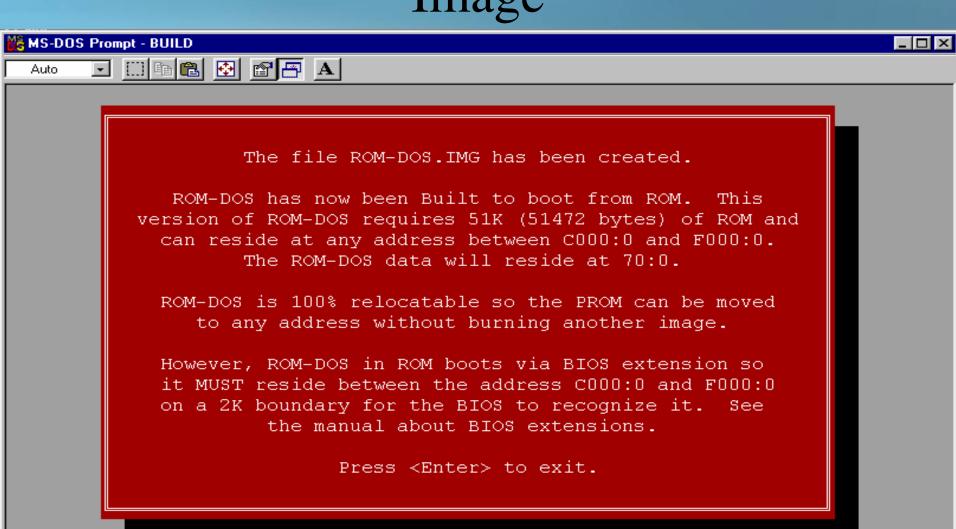
## ROM-DOS Walkthrough 7.1 No LFN



# ROM-DOS Build Walkthrough ROM Image



# ROM-DOS Build Walkthrough ROM Image



## ROM-DOS Build Summary

7.1	With LFN	70K
7.1	No LFN	59K
6.22	With LFN	68K
6.22	No LFN	55K

Years Fof Bright Ideas.

#### **ROM-DOS Build Summary**

- Build results contained within Build.TXT
- Changing LFN resulted in 11K smaller code
- Build 6.22 or 7.1 kernel
- Build for ROM or Hard Drive Execution

