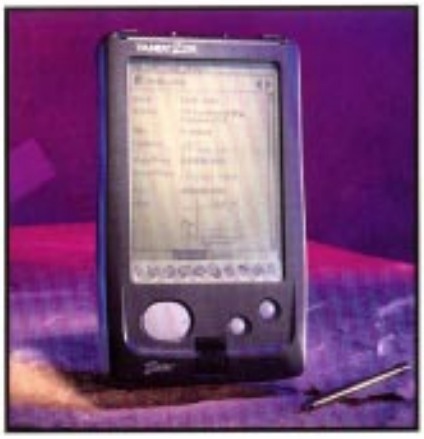
ROM-DOS™ 6

VERSION 6.22

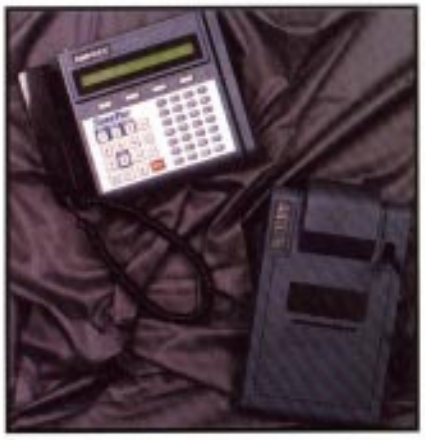
COMPATIBLE - FLEXIBLE - AFFORDABLE



PERSONAL DIGITAL ASSISTANTS
TANDY® Z-PDA

INSTRUMENTATION
Siemens Optical Time Domain Reflectometer 2001 HR

CREDIT CARD TERMINALS
NaBanco SurePay™ Terminal



Where will you use ROM-DOS next?

DATA COLLECTION
Teledyne Controls High Speed Data Loader/Flight Recorder

MEDICAL EQUIPMENT
Ohmeda Modulus™ CD-CV Anesthesia System

CELLULAR COMMUNICATOR
BellSouth Simon™
Design by IBM

Datalight®

Why Use DOS?

With more than 200 million PC-compatible computers running DOS, there is a vast array of inexpensive tools, languages, and applications software, as well as an army of well-trained, capable programmers. As new, more powerful processors are introduced for desktop computers, their predecessors become affordable for alternative projects. Using DOS leads to shorter engineering cycles and lower costs.

But Why ROM-DOS?

Datalight ROM-DOS 6.22, a work-alike of MS-DOS® version 6.22, is designed for embedded and mobile computing environments. ROM-DOS gives you the features of MS-DOS, while adding benefits like an automated BUILD configuration utility to get you up and running quickly, together with the flexibility to meet your project's unique, non-PC needs. To this, add ROM-DOS' tools and accessories, such as remote serial disk access and optional Stacker® data compression, all at a fraction of the cost of other compatible brands of DOS. You'll agree that ROM-DOS is a winner.

What If My System Has Special Requirements?

ROM-DOS is designed to be more flexible than other operating systems. Whether your hardware is fully PC compatible or not, with ROM-DOS your embedded or mobile system will be. The only requirements for ROM-DOS are RAM, ROM and an 80x86 CPU. ROM-DOS can take full advantage of all hardware including hard drives up to 4 Gigabytes, CD-ROM drives, Flash memory and PCMCIA cards.

Do you want ROM-DOS to run from ROM, but on speed critical systems, run from RAM? Tell the BUILD utility and ROM-DOS does it.

If your BIOS is not 100% PC compatible, it will not be a problem. All ROM-DOS hardware communication is done through device drivers making BIOS calls. The device drivers are provided in full source code so the interrupts and even the calls can be changed.

Are you booting on a diskless system, but need a 2 Megabyte ROM disk, or four separate ROM disk drives? ROM-DOS has a built in ROM disk driver which can be configured to handle these and many other situations.

What if you want to have drive A: as a PCMCIA drive, drive B: as a ROM disk, drive C: as a RAM disk, drive D: as a floppy and drive E: as a hard drive? What if you want to reverse that order? ROM-DOS can configure the drives in any order.

What If I Need To Save Space?

If you are tight on space you can leave out drivers that you won't be using. You can choose the 4K "mini" command processor or no command processor, if it isn't needed. Because ROM-DOS was written to be compact, it's nearly half the size of MS-DOS in ROM.

Is It Really Compatible?

No matter how flexible, small, fast or feature-rich ROM-DOS becomes, it will remain compatible with the DOS standard. ROM-DOS was written independently by Datalight using internal testing and published material. After six years of rigorous testing, ROM-DOS is so compatible it is used as the desktop DOS in our corporate offices. Every day we use applications such as Novell® NetWare®, Windows™ 3.1, MS-Word, FoxPro® 2, Quattro® Pro and Quicken®. Our ROM-DOS test suite includes hundreds of commercial applications. Compatibility is the key goal for ROM-DOS. For that reason we offer a free bootable demo disk so that you can see for yourself that ROM-DOS will run your applications. ***We also offer this guarantee: if you should find a program that runs under MS-DOS but not under ROM-DOS, let us know and we will make sure that it runs under the next or a future release of ROM-DOS. And if you wish, Datalight will refund 100% of the purchase price of the Developer's Kit upon its return.***


THIS IS TO CERTIFY THAT

ROM-DOS

BY DATALIGHT, INC.

Has Been Independently Tested for Compatibility

VeriTest, Inc., an independent testing laboratory, found the following software application products to be functionally compatible with ROM-DOS v1.20. They were tested on an IBM PC/AT Model 339 or Compaq Deskpro 386 running their Datalight, Inc. operating system.

Applause II v1.0	Paradox v3.0
AutoCAD rel 10	Paradox 386 v2.02
Crosstalk XVI v3.7b	PC Paintbrush IV Plus v1.0
DAC-Easy Accounting v4.0	Procomm Plus v1.1b
dBASE IV v1.0	Q&A 386 v2.0
Footbook Plus v2.09	Quattro Professional v1.0
Flight Simulator v4.0	Quicken 2
Freelance Plus v1.1	R:BASE for DOS v3.0
Harvard Graphics v2.12	Ready! v1.00e
Lotus 1-2-3 v2.2	Sidekick Plus v1.01c
Mace Utilities v1000	Sprint v1.0
Microsoft Word v5.0	Turbo Pascal v5.0
Microsoft Works v2.0	Ventura Publisher v2.0
Multimate 4.0	WordPerfect v5.1

VeriTest, inc.

ROM-DOS has been independently tested for compatibility by VeriTest, as well as with Datalight's own growing test suite containing hundreds of additional software applications.

A Complete ROM Development Solution

ROM-DOS 6.22 is much more than an inexpensive replacement for MS-DOS. It comes with a wide variety of development tools at no additional cost that will help speed you through your development cycle.

BARCODE INDUSTRY
Videx® OmniWand™

BUILD is an automated utility that configures ROM-DOS for ROM or disk. Many Datalight customers have commented on how quick and easy it is to build a ROM-based system with BUILD. As it walks you through a menu, you make the choices and BUILD does the rest. ROM-DOS can be running in ROM on your system in under 15 minutes.

Stacker Data Compression is available to ROM-DOS 6 Licensed OEMs from Datalight at special, low cost, embedded system rates. Award winning Stacker doubles the storage capacity of system hard disks, RAM and ROM disks, Flash memory and floppy disks.

Remote Disk is a utility program that allows you to access a disk drive on a remote system via a serial cable and serial port. It can be used for exchanging files between hand-held and desktop systems, for data collection from diskless systems and updating applications in Flash or EEPROM.

CONFIG.SYS options include boot-time menus to select system configuration commands tailored to individual user tasks. Also, developers may choose among CONFIG.SYS compatibility levels (DOS 3.31, 5.0 and 6.0) at the time of configuring, for saving space in memory restricted systems.

ROM-DOS 6 includes both a ***full Command Processor*** and a 4K, configurable, ***miniCOMMAND*** processor for systems requiring only a basic command processor. MiniCommand supports internal and external commands, limited batch file processing and includes full source code and instructions.

The ***Command Processors*** included with ROM-DOS are optional. Unlike MS-DOS, you can configure your system to run an EXE or COM program directly and avoid the "overhead" of the command processor and add security to embedded systems.

Advanced Power Management is supported by ROM-DOS for hand-held devices and other systems where prolonged battery life is desired. It requires BIOS Power Management support.

RXEs are ROMable EXE programs that can be run in place from a ROM disk, a useful alternative for embedded and mobile systems with minimal RAM. Almost any existing EXE can be converted to an RXE.

The ***International Support*** you need is provided with ROM-DOS. Twenty-one countries are directly supported, as well as double byte characters for Asian languages. Included are COUNTRY, DISPLAY.SYS and KEYB.COM. Please call to check on support for your language needs.

The ***HIMEM.SYS*** driver manages extended memory and the High Memory Area (HMA) in 286, 386 or 486 systems. It supports the eXtended Memory Specification (XMS) 2.0. Plus Upper Memory Blocks (UMBs) are supported by EMM386.

The ***Configurable Memory Disk Driver*** allows any area of RAM or ROM to be used as a memory disk. This driver is designed for a variety of memory configurations, including paged EEPROMs, static battery-backed RAM, flash memory and 386/486 extended memory.

ROM-DOS works great with any standard BIOS, or use ROM-DOS' (4K) ***royalty-free miniBIOS***, which provides the minimum BIOS functionality required by ROM-DOS.

The ***ROM-DOS User's Manual*** is available to OEMs on disk so that you can include all or part of it, or change it to match the format that you want for your customers, at no extra charge.

CardTrick™ 2 FTL Flash File System is a compact flash file system which emulates a floppy drive. CardTrick can be configured to run with or without Card and/or Socket Services or directly with the hardware in a resident flash array on an embedded system with no PCMCIA slot. OEMs use the CardTrick Software Developer's Kit for installation on any X86 compatible hardware as a device driver or BIOS extension. CardTrick has a 20% discount on royalties when used with ROM-DOS.

ROM-DOS™ 6.22
Software Developer's Kit

The ROM-DOS 6.22 Software Developer's Kit includes:

- ROM-DOS operating system disks on 3.5" and 5.25" floppies.
- ROM-DOS Developer's Guide with complete, step-by-step instructions.
- ROM-DOS User's Guide. Also available as a .DOC file for inclusion in end-product documentation for licensed OEM's.
- A large set of DOS Utilities.
- Automated BUILD Configuration Utility for ROM or disk.
- HIMEM.SYS and EMM386 drivers included.
- Remote Disk serial link for accessing a hard drive on another system.
- RXE kit for running executable files directly from ROM or flash.
- Full Source Code for all device drivers.
- Royalty-free miniBIOS in full source code, for limited embedded and mobile systems.
- A Configurable Memory Disk Driver.
- International Support including KEYB and DISPLAY.
- Advanced Power Management to support BIOS APM.
- Variable CONFIG.SYS compatibility levels for developer space savings.
- Datalight OEM Agreement for distributing ROM-DOS.
- Certificate for 20 Licenses redeemable when OEM Agreement is signed.

The only additional tools needed are the Borland® or Microsoft® assembler and linker and, if a ROM-based DOS is desired, a PROM burner.

The ROM-DOS 6.22 Software Developer's Kit is a complete ROM or disk based development solution for embedded and mobile systems.

STACKER® LZS COMPRESSION

yes It runs with NetWare®

90-Day Money Back Guarantee

All Datalight products have a 90-day guarantee: If you are dissatisfied with our products for any reason, Datalight will refund 100% of your money when the product is returned within 90 days of purchase.

FREE Demo Disk

Datalight offers a free bootable demo disk which includes a completely functional copy of ROM-DOS. Boot this disk on any PC and run your applications with ROM-DOS.

COMPARISON CHART	MS-DOS 6.22	ROM-DOS 6.22
Full Size in ROM	133K	73K
Kernal Only	80K	47K
Data Compression	DriveSpace™	Stacker® LZS (Optional)
Cost	Full Price	50-80% Less
Full Source Available	No	Yes
BUILD Utility	No	Yes

To order ROM-DOS or request the demo disk in the USA, call

1-800-221-6630

Datalight®
18810 59th Ave N.E.
Arlington, WA 98223, USA
(360) 435-8086 fax: (360) 435-0253
email: sales@datalight.com • support@datalight.com • website: http//:www.datalight.com

Datalight®