

# Software Product Description



## DIGITAL CLASSIFIED SOFTWARE

**PRODUCT NAME: MS™-DOS Operating System,  
Version 2.11**

**SPD 50.07.01**

### **DESCRIPTION:**

MS™-DOS Operating System, Version 2.11 is a new version of Version 2.05 Operating System featuring support of "The International Call System" and the Mini Exchange as a Device Sharing microprocessor-controlled switch.

The International Call System returns information such as the currency symbol, thousands and decimal separators, and the time and date formats for a specific country. The DIR command prints out time and date formats for a specific country. The Mini Exchange uses commands from the Rainbow 100 computer to connect a total of eight devices in a 60M (200 ft.) radius. These devices can be personal computers, printers, or modems.

MS-DOS Operating System, Version 2.11 contains the utility SETPORT which is an external command allowing the user to change the serial port parameters as well as DIGITAL serial printer parameters. SETPORT allows the user to choose from six groups of parameters including printer, modem, auxiliary communication port and remote setup for LA50, LA100-PC and LQP02 printers.

MS-DOS Operating System provides program execution, storage and editing capabilities. A list of the supplied system modules and descriptions is presented in the Components Section of this SPD.

### **Components**

Basic I/O system (IO.SYS) - Provides operations necessary to access the diskette drives and standard peripherals

Operating System Resource Manager (MSDOS.SYS) is the core of the MS-DOS Operating System where management of system resources takes place. This component is automatically loaded into memory when the system is booted up.

Command Interpreter/User Interface (COMMAND.COM) - Provides an interface between the user and the underlying operating system allowing the user to perform file management functions such as rename and delete, as well as to load and execute programs

Debugger (DEBUG.COM) - Provides a controlled testing environment for executable object files

Verify Disk Directory/Inventory (CHKDSK.COM) - Checks and verifies the contents of a disk™ MS is a trademark of MicroSoft Corporation.

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**BH-Z765B-TV**

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**D I S T R I B U T E D**

-2-

Compare Files on Disk (FC.EXE) - Provides a comparison program to check for differences between text or binary files

RX50 Disk Formatter (FORMAT.COM) - Formats RX50 diskettes and soft formats Winchester disks

MACRO-86 Assembler (MASM.EXE) - Is MicroSoft's relocatable MACRO assembler for 8086 and 8088 microprocessors, MACRO-86

Cross-Reference Facility (CREF.EXE) - Is MicroSoft's MS-CREF cross-reference utility used to create a cross reference listing from an assembly source listing

Line Editor (EDLIN.COM) - Performs line editing using the special editing keys that are also available at the MS-DOS command level

8086 Modules Linker (LINK.EXE) - Is MicroSoft's MS-LINK used to link object files and object libraries to create executable .EXE files

System Transfer Program (SYS.COM) - Transfers MSDOS.SYS and IO.SYS from a system disk to a formatted disk that does not contain the MS-DOS Operating System on it

System Print Module (PRINT.COM) - Prints text files on a line printer while the user is processing other MS-DOS commands

Recover File/Disk with Bad Sector (RECOVER.COM) - Recovers either the file containing the bad sector on a disk or the entire disk

Convert .EXE Files to Binary Format Files (EXE2BIN.EXE) - Converts .EXE (executable) files to binary format resulting in less disk space used and faster program loading

Sort Data, and Writes Result to a Screen or File (SORT.EXE) - Reads input from the Rainbow 100, sorts the data, then writes it to the terminal screen or files

Displays One Screen at a Time (MORE.COM) - Is a filter that reads from standard input (such as a command from the terminal) and displays one screen of information at a time

Disk Copy Utility (DISKCOPY.COM) - Copies the contents of the disk in the source drive to the disk in the destination drive

Searches for a Text String in Files (FIND.EXE) - Searches for a specific string of text in a file or files

***DIGITAL exclusive components include the following***

Back and Restore Utility for the Winchester disk (BACKUP.EXE)

A utility (RDCPM) allows the user to read CP/M®-86/80 files on RX50 diskettes while using the MS-DOS Operating System

A loadable driver (MDRIVE) allows the user to use extended memory as a pseudo "disk"

Read IBM 8 and 9 single sided diskettes

Other additions to the operating system to improve performance are:

- An optimized media check algorithm
- Increased number of sector buffers
- Faster terminal I/O
- LDCOPY provides capabilities to update system loader and RX50 drivers on a hard disk (this does not require reformatting)

***Mini Exchange Components***

Support of the Mini Exchange is provided as a set of utilities on the MS-DOS, Version 2.11 Diskette

These utilities provide the capabilities to print a file on a printer, connect and disconnect a Rainbow 100 port to an asynchronous device via the Mini Exchange, and make logical/-physical assignment

**MINIMUM HARDWARE REQUIRED**

Any valid Rainbow 100 system configuration with

- 128KB of memory
- CPU and dual drive floppy diskette unit
- VR201-A Monitor
- PC1K1-AA System kit with keyboard

**OPTIONAL HARDWARE**

RX50-XA      Dual drive mini-floppy disk expansion unit with cables for a total of four drives and 1.56M bytes of storage capacity

RCD51-BA    10MB Winchester Disk

PC1XX-AK    Memory Adaptor

PC1XX-EA    8087 FPP

PC1XX-FA    Technical Character Set for 100A

PC1XX-FB    Technical Character Set for 100B

DFMSD-11    Mini Exchange

LA family of printers or LQP printers

**PREREQUISITE SOFTWARE**

None

**OPTIONAL SOFTWARE**

None

**TRAINING**

None

**SOFTWARE INSTALLATION**

**CUSTOMER INSTALLED**

MS-DOS Operating System is a software product engineered to be installed by the customer.

**SUPPORT CATEGORY**

**DIGITAL SUPPORTED**

Please refer to the Limited Warranty below.

MS-DOS is available only on RX50 Floppy Diskette distribution media.

QV062-A3 Single-use license, binaries, documentation, warranty

***Update Option***

Users of MS-DOS Operating System, Version 2.05 whose specified Support Category warranty has expired may order under license the following software update at the prevailing rate for such update. The update is distributed in binary form on the appropriate medium and includes no installation or other services unless specifically stated.

QV062-H3 Binaries, representative documentation, license required

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- (a) to receive a replacement of the diskette; or
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