

Release Notes

MSTM-DOS

Version 2.13

These release notes describe additional changes to MS-DOS version 2 for your Texas Instruments Professional Computer. After you have read these notes, add them to your *MS-DOS Operating System* manual for reference. The number of your version of MS-DOS, either 2.11, 2.12, or 2.13, is printed on the diskette label.

DIFFERENCES BETWEEN MS-DOS VERSION 2.13 AND 2.12

Several changes have been added to MS-DOS 2.13.

- WFORMAT (for Winchester disk drives) has been updated to support the MiniScribe 3425 (20 megabyte) disk drive.
- PRTSCRN has been enhanced to work better with single plane graphics boards.
- An incompatibility between MS-DOS version 2 and EasyWriterTM II has been corrected. This occasionally resulted in lost clusters and crosslinked files. EasyWriter II users with dual-diskette drive configurations may have seen this with their document files.
- An OLD80TRK utility has been added to modify 80-track diskettes that were formatted with MS-DOS versions 2.11 and 2.12 to make them readable with MS-DOS 2.13.

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- A problem with the BACKUP utility, which caused a stack overflow, has been corrected. However, there are two operational notes you should observe.

The BACKUP utility cannot delete archive files that are in subdirectories. To maximize the use of disk space, make sure that your backup diskettes do not contain subdirectories.

When the prompt

```
Press any key to continue
```

appears, *do not* press a function key or a cursor-control key. If you do, the utility will not pause to allow you to insert the next backup diskette. For a backup operation, this will overwrite the current backup diskette. For a restore operation, you will see the following message.

```
Warning: Diskette Out of Sequence!
```

Changes to 80-Track Diskette Format

If you have added 720K byte, 80-track diskette drives to your computer, note the following information.

Previously, these drives have not been supported by Texas Instruments, although MS-DOS 2 was capable of using them. In MS-DOS 2.13, we have changed our 80-track diskette media format to conform to a new MS-DOS standard.

As a result of this change, 80-track diskettes that were formatted with MS-DOS versions 2.11 and 2.12 must be modified before they can be used with MS-DOS 2.13. The OLD80TRK utility makes your old 80-track diskettes readable with MS-DOS 2.13.

Description of OLD80TRK Command

The command format for OLD80TRK is:

OLD80TRK d:

If the utility executes successfully, the following message is displayed:

old 80 track format now readable

Error Messages

If this utility does not execute successfully, one of the following messages is displayed.

Disk is not old 80 track format - No action performed

Cause: The disk is not of the old 80-track format and so no action was performed.

Invalid parameter

Cause: The command line is incorrect

Invalid drive specification

Cause: The specified drive is not valid.

Disk operation failure

Cause: The utility was unable to read or write to the diskette.

Drive not ready

Cause: The diskette drive returned a not ready status.

Disk write protected

Cause: This utility cannot modify a write-protected diskette.

Procedure to Modify Old 80-Track Diskettes

Old format 80-track diskettes that have been modified with OLD80TRK are usable only with MS-DOS 2.13, and will not be usable with future versions of MS-DOS. Consequently, you should also perform the following procedure on the 80-track diskettes that were formatted by MS-DOS versions 2.11 or 2.12.

1. Boot your computer using MS-DOS 2.13.
2. Run OLD80TRK on the old 80-track diskette.
3. Format another 80-track diskette using the FORMAT utility included in MS-DOS 2.13.
4. Use the COPY command to copy all of the files from the old 80-track diskette onto the newly formatted 80-track diskette. *Do not use the DISKCOPY command.*
5. Save the old format 80-track diskette for backup purposes, and use the new diskette as your working copy.

Changes in Media Descriptor Byte Table

Table 14-2 in the MS-DOS Operating System Volume 2 should now read as follows.

Table 14-2. Double-Sided Media

Number of Tracks	Sectors per Track	FAT Size Sectors	Dir Sectors	Dir Entries	Sector per Cluster	Hex Value
40	8	1	7	112	2	FF
40	9	2	7	112	2	FD
80	9	3	7	112	2	F9

DIFFERENCES BETWEEN MS-DOS VERSION 2.12 AND 2.11

- A WSHIP utility file has been added that helps prevent loss of data from your Winchester disk drive (if installed). This utility positions the read/write head to a safe area of the Winchester disk and should be used before you move the system unit.
- The SYS utility in MS-DOS 2.12 updates any MS-DOS system diskette that contains MS-DOS version 2 system files. A hidden system file, LOADER.SYS, was added to MS-DOS 2.12 and should not be modified or deleted. Both the FORMAT and the WFORMAT commands transfer the system loader file to all disks when they are formatted. The SYS utility is capable of adding the MS-DOS system files to any diskette that has been formatted with MS-DOS 2.12.
- The SIZE format allows you to select a second disk drive specifier [d:]. When the specifier is included, SIZE will calculate the disk space that the matching files would occupy on the specified diskette. SIZE also calculates the available disk space on that diskette. The revised format is:

SIZE [d:] [path] [filename] [d:]

- The TREE utility handles subdirectory specifications. The revised format is:

TREE [filespec] [/A]

- Problems with the CTTY utility and the BACKUP utility have been corrected.

TEXAS INSTRUMENTS