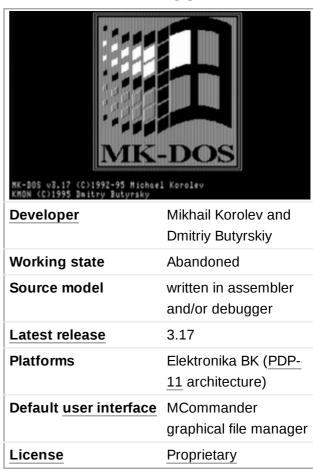
MK-DOS

MK-DOS was one of the most widespread <u>operating</u> <u>systems</u> for <u>Elektronika BK</u> personal computers, developed by Mikhail Korolev and Dmitriy Butyrskiy from 1in Like <u>ANDOS</u>, the system provided full compatibility for all models, emulating the BK-0010 environments on the more modern BK-0011 and BK-0011M machines. All program requests to a <u>magnetic tape</u> (if they were made through proper ROM functions) were redirected to the disk.

The system supported up to 4 physical disk drives (the actual number was limited by the disk ROM installed) and as many <u>hard disk partitions</u> as the number of letters in the Latin alphabet, which could be used as separate logical drives, each with a volume of up to 32 MB (*See also: drive letter assignment*). Starting from version 3.0 the system also supported mounting disk images as <u>logical drives</u>. When booted on a BK-0011 or BK-0011M the system automatically created a <u>RAM disk</u> in the computer's memory.

The most widespread <u>file system</u> along MK-DOS users was MicroDOS. It did not support <u>file fragmentation</u> (like the file system used with <u>RT-11</u>) and required frequent spatial reallocation to maintain optimum contiguous free space (RT-11 users would use the 'SQUEEZE' command, which worked the same way as the *COMPACT

MK-DOS



command on <u>Acorn's DFS</u> for the <u>BBC Micro</u>). Although MK-DOS was incompatible with the RT-11's file system, both shared many principles. MicroDOS' file system had read-only support in ANDOS. The filename length was limited by 14 symbols (the <u>filename extension</u> was not recognized separately and was considered as part of the filename).

A minimal installation of the system took as little as 8 KB of the computer's memory. It had a functional Norton Commander-like file manager called *MCommander*. It also shipped with a number of utilities including drivers for the RT-11, FAT12 and CSI-DOS file systems as add-ons for the file manager.

External links

- Disk image of MK-DOS 2.10 (http://bkcrew.narod.ru/bkimg/systems/mkdos210.rar)
- Disk image of MK-DOS 3.15 (http://vak.ru/pub/bk/MKDOS%203.15.bkd.gz)
- Disk image of MK-DOS 3.17 (http://bkcrew.narod.ru/bkimg/systems/mkdos317.rar)
- Mikhail Korolev homepage (http://www.owg.ru/mkt/) (Original documentation for MK-DOS 3.15 (http://www.owg.ru/mkt/BK/MKDOS.TXT))
- (in Russian) V.P.Yurov. BK-0010(.01) with disk drive (Comparison of operating systems for BK-0010). Magazine "Personal computer BK-0010 BK-0011M", 1993 (http://bk0010.narod.ru/docs/BK Magazine/199301/005.htm)

• (in Russian) V.P.Yurov. Disk operating systems for BK-0011(M). Magazine "Personal computer BK-0010 - BK-0011M", 1994 (djvu) (http://bk0010.narod.ru/docs/BK_Magazine/PKBK-1994-3.d jvu)

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