

Command Reference (CMD/4OS/2)

- [About Command reference](#)
- [The Command Line](#)
 - [Command-Line Editing](#)
 - [Command History and Recall](#)
 - [Command History Window](#)
 - [Command Names and Parameters](#)
 - [Filename Completion](#)
 - [Automatic Directory Changes](#)
 - [Directory History Window](#)
 - [Local and Global Directory History](#)
 - [Multiple Commands](#)
 - [Expanding and Disabling Aliases](#)
 - [Command Line Help](#)
 - [Command-Line Length Limits](#)
- [File Selection](#)
 - [Extended Parent Directory Names](#)
 - [Wildcards](#)
 - [Ranges](#)
 - [Date, Time, and Size Ranges](#)
 - [Date Ranges](#)
 - [Time Ranges](#)
 - [Size Ranges](#)
 - [File Exclusion Ranges](#)
 - [Multiple Filenames](#)
 - [Include Lists](#)
 - [Executable Extensions](#)
- [Directory Navigation](#)
 - [Extended Directory Searches](#)
 - [CDPATH](#)
- [Other Features](#)
 - [Page and File Prompts](#)
 - [Redirection and Piping](#)
 - [Redirection](#)
 - [Piping](#)
 - [Using the Keystack](#)
 - [Waiting for Applications to Finish](#)
 - [Critical Errors](#)
 - [Conditional Commands](#)
 - [Command Grouping](#)
 - [Escape Character](#)
- [Internal Commands](#)
 - [?](#) - List the internal commands
 - [ACTIVATE](#) - Activate a window
 - [ALIAS](#) - Create or display aliases
 - [ATTRIB](#) - Change or view file attributes
 - [BEEP](#) - Beep the speaker
 - [CALL](#) - Execute one batch file from another
 - [CANCEL](#) - Terminate batch file processing

- **CD** - Change the current directory
- **CDD** - Change the current drive and directory
- **CHCP** - Change the current code page
- **CLS** - Clear the screen
- **COLOR** - Change the display colors
- **COPY** - Copy files
- **DATE** - Change the system date
- **DEL** - Delete one or more files
- **DELAY** - Pause for a specified length of time
- **DESCRIBE** - Create or modify file descriptions
- **DETACH** - Start a program in detached mode
- **DIR** - Display directories
- **DIRHISTORY** - Display, read, or modify the directory history list
- **DIRS** - Display the directory stack
- **DO** - Create loops in batch files
- **DPATH** - Set the data search path
- **DRAWBOX** - Draw a box
- **DRAWHLINE** - Draw a horizontal line
- **DRAWVLINE** - Draw a vertical line
- **ECHO** and **ECHOERR** - Display a message / set echo state
- **ECHOS** and **ECHOSERR** - Display a message without CR/LF
- **ENDLOCAL** - Restore the saved environment
- **ESET** - Edit environment variables and aliases
- **EXCEPT** - Exclude files from a command
- **EXIT** - Exit CMD.EXE
- **FFIND** - Search for files
- **FOR** - Repeat a command
- **FREE** - Display total and free disk space
- **GLOBAL** - Execute a command all subdirectories
- **GOSUB** - Execute a subroutine in a batch file
- **GOTO** - Branch within a batch file
- **HELP** - Display help
- **HISTORY** - Manage the history list
- **IF** - Execute a command if a condition is true
- **IFF** - **IF** / **THEN** / **ELSE** conditional command execution
- **INKEY** - Get a character from the keyboard
- **INPUT** - Get a string from the keyboard
- **KEYBD** - Set the keyboard toggles
- **KEYS** - Enable or disable the history list
- **KEYSTACK** - Feed keystrokes to a program or command
- **LIST** - Display a file
- **LOADBTM** - Switch a batch file's mode
- **LOG** - Save a log of commands
- **MD** - Create a subdirectory
- **MEMORY** - Display memory statistics
- **MOVE** - Move files
- **ON** - Handle Ctrl-Break and errors in batch files
- **OPTION** - Modify the command processor configuration
- **PATH** - Set the executable file search path
- **PAUSE** - Suspend batch file or alias execution
- **POPD** - Restore the disk drive and directory

- [PROMPT](#) - Change the command-line prompt
- [PUSHD](#) - Save the disk drive and directory
- [QUIT](#) - Terminate a batch file
- [RD](#) - Remove subdirectories
- [REBOOT](#) - Reboot the system
- [REM](#) - Put a comment in a batch file
- [REN](#) - Rename files or subdirectories
- [RETURN](#) - Return from a subroutine in a batch file
- [SCREEN](#) - Position the cursor and display text
- [SCRPUT](#) - Display text in color
- [SELECT](#) - Select files for a command
- [SET](#) - Create or modify environment variables
- [SETDOS](#) - Set the CMD.EXE configuration
- [SETLOCAL](#) - Save the environment
- [SHIFT](#) - Shift batch file parameters
- [SHRALIAS](#) - Load or unload SHRALIAS.EXE
- [START](#) - Start a program in another session
- [SWITCH](#) - Select commands based on a value
- [TEE](#) - "Tee" pipe fitting
- [TEXT](#) - Display text in a batch file
- [TIME](#) - Set the system time
- [TIMER](#) - Start or stop a stopwatch
- [TITLE](#) - Window title
- [TOUCH](#) - Change date and time stamps
- [TREE](#) - Directory tree
- [TYPE](#) - Display file(s)
- [UNALIAS](#) - Remove aliases
- [UNSET](#) - Remove environment variables
- [VER](#) - Display the CMD.EXE and OS/2 version
- [VERIFY](#) - Enable or disable disk write verification
- [VOL](#) - Display disk volume labels
- [VSCRPUT](#) - Display text vertically and in color
- [WINDOW](#) - Change the window state or title
- [Y](#) - "Y" pipe fitting
- [External Commands](#)
- [Aliases](#)
- [Batch Files](#)
 - [.BAT, .CMD, and .BTM Files](#)
 - [Echoing in Batch Files](#)
 - [Batch File Parameters](#)
 - [Using Environment Variables](#)
 - [Batch File Commands](#)
 - [Interrupting a Batch File](#)
 - [Automatic Batch Files](#)
 - [Detecting CMD.EXE](#)
 - [Using Aliases in Batch Files](#)
 - [Debugging Batch Files](#)
 - [Batch File String Processing](#)
 - [Batch File Line Continuation](#)
 - [Batch File Compression](#)
 - [Special Character Compatibility](#)

- Command Parsing
- Argument Quoting
- REXX Support
- EXTPROC Support
- Environment Variables and Functions
 - CDPATH
 - cmdline
 - COLORDIR
 - COMSPEC
 - FILECOMPLETION
 - PATH
 - PATHEXT
 - PROMPT
 - Internal Variables
 - ?
 - _?
 - =
 - +
 - _4VER
 - _ANSI
 - _APMAC
 - _APMBATT
 - _APMLIFE
 - _BATCH
 - _BATCHLINE
 - _BATCHNAME
 - _BG
 - _BOOT
 - _CI
 - _CMDPROC
 - _CO
 - _CODEPAGE
 - _COLUMN
 - _COLUMNS
 - _COUNTRY
 - _CPU
 - _CWD
 - _CWDS
 - _CWP
 - _CWPS
 - _DATE
 - _DAY
 - _DISK
 - _DNAME
 - _DOS
 - _DOSVER
 - _DOW
 - _DOWI
 - _DOY
 - _FG
 - _HLOGFILE

- _HOUR
- _KBHIT
- _LASTDISK
- _LOGFILE
- _MINUTE
- _MONITOR
- _MONTH
- _MOUSE
- _NDP
- _PID
- _PIPE
- _PPID
- _PTYPE
- _ROW
- _ROWS
- _SECOND
- _SHELL
- _SID
- _SYSERR
- _TIME
- _TRANSIENT
- _VIDEO
- _WINTITLE
- _XPIXELS
- _YEAR
- _YPIXELS
- Variable Functions
 - @ALIAS
 - @ASCII
 - @ATTRIB
 - @CDROM
 - @CHAR
 - @CLIP
 - @COMMA
 - @CONVERT
 - @DATE
 - @DAY
 - @DEC
 - @DESCRIPT
 - @DEVICE
 - @DISKFREE
 - @DISKTOTAL
 - @DISKUSED
 - @DOSMEM
 - @DOW
 - @DOWI
 - @DOY
 - @EAREAD
 - @EAWRITE
 - @EVAL
 - @EXEC

- @EXECSTR
- @EXETYPE
- @EXPAND
- @EXT
- @FILEAGE
- @FILECLOSE
- @FILEDATE
- @FILENAME
- @FILEOPEN
- @FILEREAD
- @FILES
- @FILESEEK
- @FILESEEKL
- @FILESIZE
- @FILETIME
- @FILEWRITE
- @FILEWRITEB
- @FINDCLOSE
- @FINDFIRST
- @FINDNEXT
- @FORMAT
- @FSTYPE
- @FULL
- @IF
- @INC
- @INDEX
- @INSERT
- @INSTR
- @INT
- @LABEL
- @LEFT
- @LEN
- @LINE
- @LINES
- @LOWER
- @MAKEAGE
- @MAKEDATE
- @MAKETIME
- @MONTH
- @NAME
- @NUMERIC
- @PATH
- @RANDOM
- @READSCR
- @READY
- @REMOTE
- @REMOVABLE
- @REPEAT
- @REPLACE
- @REXX
- @RIGHT

- @SEARCH
- @SELECT
- @STRIP
- @SUBSTR
- @TIME
- @TIMER
- @TRIM
- @UNIQUE
- @UPPER
- @WILD
- @WORD
- @WORDS
- @YEAR
- CMD.INI
 - Modifying the .INI File
 - Using the .INI File
 - .INI File Sections
 - .INI File Directives
 - Initialization Directives
 - 4StartPath
 - DirHistory (directive)
 - DuplicateBugs
 - HelpBook
 - History (directive)
 - INIQuery
 - LocalAliases
 - LocalDirHistory
 - LocalHistory
 - PauseOnError
 - SwapFilePath
 - TreePath
 - WindowState
 - WindowX, WindowY, WindowWidth, WindowHeight
 - Configuration Directives
 - AmPm
 - AppendToDir
 - BatchEcho
 - BeepFreq
 - BeepLength
 - CDDWinLeft, CDDWinTop, CDDWinWidth, CDDWinHeight
 - CommandSep
 - CursorIns
 - CursorOver
 - DecimalChar
 - DescriptionMax
 - DescriptionName
 - Descriptions
 - EditMode
 - EscapeChar
 - EvalMax
 - EvalMin

- ExecWait
- FileCompletion
- FuzzyCD
- HistCopy
- HistLogName
- HistMin
- HistMove
- HistWrap
- LineInput
- ListRowStart
- LogName
- NoClobber
- ParameterChar
- PathExt
- PopupWinLeft, PopupWinTop, PopupWinWidth, PopupWinHeight
- Printer
- ScreenRows
- TabStops
- ThousandsChar
- UnixPaths
- UpperCase
- Color Directives
 - BrightBG
 - CDDWinColors
 - ColorDir
 - InputColors
 - ListboxBarColors
 - ListColors
 - ListStatBarColors
 - PopupWinColors
 - SelectColors
 - SelectStatBarColors
 - StdColors
- Key Mapping Directives
 - General Input Keys
 - Backspace
 - BeginLine
 - Del
 - DelToBeginning
 - DelToEnd
 - DelWordLeft
 - DelWordRight
 - Down
 - EndLine
 - EraseLine
 - ExecLine
 - Ins
 - Left
 - NormalKey
 - Right
 - Up

- WordLeft
 - WordRight
- Command-Line Editing Keys
 - AddFile
 - AliasExpand
 - CommandEscape
 - DelHistory
 - EndHistory
 - Help
 - LineToEnd
 - NextFile
 - NextHistory
 - NormalEditKey
 - PopFile
 - PrevFile
 - PrevHistory
 - SaveHistory
- Popup Window Keys
 - DirWinOpen
 - HistWinOpen
 - NormalPopupKey
 - PopupWinBegin
 - PopupWinDel
 - PopupWinEdit
 - PopupWinEnd
 - PopupWinExec
- LIST Keys
 - ListExit
 - ListFind
 - ListFindReverse
 - ListHex
 - ListHighBit
 - ListInfo
 - ListNext
 - ListPrevious
 - ListPrint
 - ListWrap
 - NormalListKey
- Advanced Directives
 - ClearKeyMap
 - Debug
 - Include
 - NextINIFile
- .INI File Examples
- Setup and Troubleshooting
 - Starting CMD.EXE
 - The CMD.EXE Help System
 - Error Messages
 - Troubleshooting, Service, and Support
 - Technical Support
 - Contacting JP Software

- [What's New?](#)
 - [General Features and Enhancements](#)
 - [Command Line Editing](#)
 - [Command Changes](#)
 - [Variables and Functions](#)
 - [Startup and Configuration](#)
 - [Technical and Compatibility Enhancements](#)
 - [Bugs Fixed](#)
- [Reference Information](#)
 - [File Systems and File Name Conventions](#)
 - [Drives and Volumes](#)
 - [File Systems](#)
 - [Directories and Subdirectories](#)
 - [File Names](#)
 - [File Attributes and Time Stamps](#)
 - [Miscellaneous Reference Information](#)
 - [Colors and Color Names](#)
 - [Keys and Key Names](#)
 - [Popup Windows](#)
 - [Executable Files and File Searches](#)
 - [Reference Tables](#)
 - [ASCII Table](#)
 - [Key Codes and Scan Codes Table](#)
 - [Key Codes and Scan Codes Explanation](#)
 - [ANSI Codes](#)
 - [Glossary](#)
 - [Glossary - 4](#)
 - [Glossary - A](#)
 - [Glossary - B](#)
 - [Glossary - C](#)
 - [Glossary - D](#)
 - [Glossary - E](#)
 - [Glossary - F](#)
 - [Glossary - G](#)
 - [Glossary - H](#)
 - [Glossary - I](#)
 - [Glossary - K](#)
 - [Glossary - L](#)
 - [Glossary - M](#)
 - [Glossary - N](#)
 - [Glossary - O](#)
 - [Glossary - P](#)
 - [Glossary - R](#)
 - [Glossary - S](#)
 - [Glossary - T](#)
 - [Glossary - U](#)
 - [Glossary - V](#)
 - [Glossary - W](#)
 - [Glossary - X](#)

- Created using Inf-PHP v.1 © 2003 [Yuri Prokushev](#)

- Created using Inf-HTML v.0.9b © 1995 [Peter Childs](#)

From:

<https://osfree.su/doku/> - **osFree wiki**

Permanent link:

<https://osfree.su/doku/doku.php?id=en:docs:cmd:index&rev=1400976117>

Last update: **2014/05/25 00:01**

