

# 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 `:internal:echo[ECHOERR]` - Display a message / set echo state
- **ECHOS** and `:internal:echos[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** - `:internal:if-then-else[IF]` / `:internal:if-then-else[THEN]` / `:internal:if-then-else[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](#)
    - [\(null\)](#)
    - [\\_?](#)
    - [\(null\)](#)
    - [\(null\)](#)
    - [\\_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
- [en:docs:cmd:func|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, en:docs:cmd:ini:directives:init:window-geo[WindowY]], en:docs:cmd:ini:directives:init:window-geo[WindowWidth]], en:docs:cmd:ini:directives:init:window-geo[WindowHeight]]
    - Configuration Directives
      - AmPm
      - AppendToDir
      - BatchEcho
      - BeepFreq
      - BeepLength
      - CDDWinLeft, :ini:cfg:cddwin-geo[CDDWinTop]], :ini:cfg:cddwin-geo[CDDWinWidth]], :ini:cfg:cddwin-geo[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, en:docs:cmd:ini:directives:cfg:popup-win-xxx|PopupWinTop]], en:docs:cmd:ini:directives:cfg:popup-win-xxx|PopupWinWidth]], en:docs:cmd:ini:directives:cfg:popup-win-xxx|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[<http://www.apanix.apana.org.au/~pjchilds>]

From:

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

Permanent link:

<https://osfree.su/doku/doku.php?id=en:docs:cmd:index&rev=1400904899>

Last update: **2014/05/24 05:40**

