

# DOSLib

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**DOS Library Programmer's Reference**  
**Version 4.4**

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# 1 Introduction

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DOSLib, or DOS Library, is a library of LISP-callable functions that provide Windows operating system and DOS command-line functionality to various CAD applications, including AutoCAD and IntelliCAD.

DOSLib extends their LISP programming languages by providing the following functionality:

- Drive handling functions to change between drives and check disk space.
- Path handling functions to manipulate path specifications.
- Directory handling functions to create, rename, remove, select and change directories.
- File handling functions to copy, delete, move, rename, and select files. Functions for getting directory listings, searching and finding multiple instances of files, and changing attributes are provided.
- Print handling function to get and set default printers, and spool files.
- Initialization file handling functions to manipulate Windows-style initialization (INI) files, and Windows Registry access functions.
- Process handling functions to run internal DOS commands or other programs.
- Miscellaneous functions, like changing the system date and time, and displaying Windows message boxes.

## What's New in DOSLib Version 4.4

### Platform Support

In addition to supporting Autodesk's AutoCAD Release 13 and Release 14, DOSLib now support AutoCAD 2000. While support for Visio's IntelliCAD 98 continues, support for IMSI's TurboCAD Professional v5 has been discontinued.

### New Functions

Six new functions have been added to DOSLib:

<b>dos_closeall</b>	Closes all open documents (ACAD2000 only)
<b>dos_hostname</b>	Returns the local DNS host name
<b>dos_ipaddress</b>	Returns a list of local ip addresses
<b>dos_macaddress</b>	Returns the local media access control (MAC) address
<b>dos_saveall</b>	Saves all open documents (ACAD2000 only)
<b>dos_serialno</b>	Returns the serial number of a disk

## System Requirements

DOSLib requires either Autodesk's AutoCAD Release 13, Release 14, and 2000, or Visio's IntelliCAD 98 running under Microsoft Windows 95, 98, or NT 4.0.

## Files in DOSLib

The following files make up DOSLib:

Filename	Description
DOSLIB4.PDF	DOSLib Programmer's Reference in Adobe® Acrobat® format
DOSLIB13.ARX	DOSLib for AutoCAD Release 13
DOSLIB14.ARX	DOSLib for AutoCAD Release 14
DOSLIB2K.ARX	DOSLib for AutoCAD 2000
DOSLIB4.DLL	DOSLib for IntelliCAD 98

## Installing DOSLib

Though DOSLib files can be installed in and run from any directory on a disk, the following locations are recommended for the AutoCAD Release 14 environment:

- A directory specified by the "Support File Search Path" (for example, C:\Program Files\AutoCAD R14\Support).
- A directory common to multiple users (for example, Z:\Projects\Support).
- The directory where the AutoCAD executable file (ACAD.EXE) is located (for example, C:\Program Files\AutoCAD R14).

## Loading DOSLib

### Loading DOSLib Manually

You can load DOSLib manually several ways. Check the documentation included with your supported CAD application for details on loading AutoCAD ARX and IntelliCAD SDS applications.

#### To load DOSLib from AutoCAD:

- 1 From the AutoCAD **Tools** menu, choose **Load Applications**.  
Or, type **appload** at the command prompt.
- 2 In the Load AutoLISP, ADS and ARX Files dialog box, click **File**.
- 3 In the Select LISP, ADS or ARX File Routine dialog box, from the files list, select either DOSLIB13.ARX, DOSLIB14.ARX, or DOSLIB2K.ARX from the directory where you copied the files, and click **OK**.
- 4 In the Load AutoLISP, ADS and ARX Files dialog box, click **Load**.

## Loading DOSLib Automatically

DOSLib can also be automatically loaded in several ways. Again, check the documentation included with your supported CAD application for details on loading AutoCAD ARX and IntelliCAD SDS.

### To load DOSLib from AutoCAD:

- Add the appropriate DOSLib filename to an ACAD.RX file, or
- Add an **arxload** function for either the ACAD.LSP or *menu.MNL* file, or
- Add DOSLIB2K.ARX to the AutoCAD Startup Suite (ACAD2000 only).

If you choose the **arxload** method, the **arxload** function must be part of the **S::STARTUP** function. This is because AutoCAD does not initialize ARX until **S::STARTUP**. Also, AutoCAD processes the ACAD.LSP file before any *menu.MNL* file. If both files have a **S::STARTUP** function, only the function in *menu.MNL* is interpreted.

The following code example demonstrates how you might automatically load DOSLib with the **S::STARTUP** function:

### Example

```
;AutoLISP Startup Function
(defun S::STARTUP ()
  (cond
    ((= (atoi (substr (getvar "acadver") 1 2)) 13)
      (if (not (member "doslib13.arx" (arx)))
          (arxload (findfile "doslib13.arx"))))
    ((= (atoi (substr (getvar "acadver") 1 2)) 14)
      (if (not (member "doslib14.arx" (arx)))
          (arxload (findfile "doslib14.arx"))))
    ((= (atoi (substr (getvar "acadver") 1 2)) 15)
      (if (not (member "doslib2k.arx" (arx)))
          (arxload (findfile "doslib2k.arx"))))
  )
)
```



## Function Overview

Function	Description
<b>dos_about</b>	Displays information about DOSLib
<b>dos_attrib</b>	Returns or changes file attributes
<b>dos_beep</b>	Plays a Windows sound
<b>dos_chdir</b>	Changes the current directory
<b>dos_closeall</b>	Closes all open documents (ACAD2000 only)
<b>dos_command</b>	Runs a COMMAND.COM command
<b>dos_computer</b>	Returns or changes the computer name
<b>dos_copy</b>	Copies a file
<b>dos_date</b>	Returns or changes the system date
<b>dos_delete</b>	Deletes files
<b>dos_dir</b>	Returns a list of files
<b>dos_chkdsk</b>	Returns drive space statistics
<b>dos_drive</b>	Returns or changes the current drive
<b>dos_drives</b>	Returns a list of available drives
<b>dos_drivetype</b>	Returns the drive type
<b>dos_encrypt</b>	Password encrypts a file
<b>dos_execute</b>	Executes an external program
<b>dos_exewait</b>	Execute a program and waits for termination
<b>dos_file</b>	Returns detailed file information
<b>dos_filesize</b>	Returns file size information
<b>dos_filesys</b>	Returns the file system type
<b>dos_find</b>	Finds files
<b>dos_format</b>	Formats a disk or diskette
<b>dos_fullpath</b>	Converts a partial path to a qualified path
<b>dos_getdir</b>	Displays a directory selection dialog box
<b>dos_getfilem</b>	Displays a multiple selection file open dialog box
<b>dos_getini</b>	Returns an entry from an initialization file
<b>dos_getprn</b>	Returns the default Windows printer
<b>dos_help</b>	Displays a list of DOSLib functions
<b>dos_hostname</b>	Returns the local DNS host name
<b>dos_ipaddress</b>	Returns a list of local ip addresses
<b>dos_label</b>	Returns or changes the label of a disk
<b>dos_macaddress</b>	Returns the local media access control (MAC) address
<b>dos_makepath</b>	Creates a path name from components
<b>dos_mem</b>	Returns system memory statistics
<b>dos_mkdir</b>	Makes a directory
<b>dos_move</b>	Moves a file

Function	Description
<b>dos_msgbox</b>	Displays a Windows message box
<b>dos_openp</b>	Returns the open status of a file
<b>dos_path</b>	Returns the current DOS path
<b>dos_pause</b>	Pauses program execution
<b>dos_pwdir</b>	Returns the path to the current directory
<b>dos_printers</b>	Returns a list of Windows printers
<b>dos_random</b>	Returns a pseudorandom number
<b>dos_recent</b>	Adds to or clears the Windows recently used document list
<b>dos_regdel</b>	Deletes a value or key from the Windows Registry
<b>dos_regget</b>	Gets a value or key from the Windows Registry
<b>dos_regset</b>	Sets a value or key from the Windows Registry
<b>dos_rename</b>	Renames a file
<b>dos_rendir</b>	Renames a directory
<b>dos_rmdir</b>	Removes a directory
<b>dos_saveall</b>	Saves all open documents (ACAD2000 only)
<b>dos_search</b>	Searches for a file using environment paths
<b>dos_serialno</b>	Returns the serial number of a disk
<b>dos_setini</b>	Changes an entry in an initialization file
<b>dos_setprn</b>	Changes the default Windows printer
<b>dos_shellexe</b>	Open or print a specified file or document
<b>dos_show</b>	Display the AutoCAD window
<b>dos_splash</b>	Displays a bitmap splash screen
<b>dos_splitpath</b>	Breaks a path name into components
<b>dos_spool</b>	Spools a file to a Windows printer
<b>dos_subdir</b>	Returns a list of subdirectories
<b>dos_sysdir</b>	Returns the Windows system directory
<b>dos_tempdir</b>	Returns the temporary directory
<b>dos_time</b>	Returns or changes the system time
<b>dos_touch</b>	Changes file modification date and time
<b>dos_username</b>	Returns the username
<b>dos_ver</b>	Returns the operating system version number
<b>dos_version</b>	Returns the DOSLib version number
<b>dos_wav</b>	Plays a Windows waveform audio file
<b>dos_win</b>	Returns the Windows operating system
<b>dos_windir</b>	Returns the Windows directory

## 2 Drive Handling Functions

---

### **dos\_chkdsk**

Returns drive space statistics for the current drive or for the specified drive. Use the **rtos** function to convert the return values to strings.

#### **Syntax**

(**dos\_chkdsk** [*drive*])

#### **Option**

*drive*                      The drive name (for example, C:, D:).

#### **Returns**

A list of three real numbers indicating the total disk space, used disk space, and free disk space in bytes.

**nil** on error.

#### **Example**

```
(dos_chkdsk)
(5.23526e+008 4.78839e+008 4.46874e+007)
```

#### **Example**

```
(dos_chkdsk "z:")
(1.99996e+009 2,175e+008 1.78238e+009)
```

### **dos\_drive**

Returns the current drive or changes the current drive to the one specified.

#### **Syntax**

(**dos\_drive** [*drive*])

#### **Option**

*drive*                      The drive name (for example, C:, D:).

#### **Returns**

A string describing the current or new drive.

**nil** on error.

#### **Example**

```
(dos_drive)
"C: "
```

**Example**

```
(dos_drive "z:")  
"Z:"
```

**dos\_drives**

Returns a list of available drives.

**Syntax**

(dos\_drives)

**Returns**

A list of available local and network drives.

**nil** on error.

**Example**

```
(dos_drives)  
("A:" "B:" "C:" "X:" "Y:" "Z:")
```

**dos\_drivetype**

Returns the type of the specified drive; either removable, fixed, CD-ROM, RAM disk, or a network drive.

**Syntax**

(dos\_drivetype [*drive*])

**Option**

*drive*                    The drive name (for example, C:, D:).

**Returns**

A string describing the drive type.

**nil** on error.

**Example**

```
(dos_drive)  
"FIXED"
```

**Example**

```
(dos_drive "f:")  
"CDROM"
```

## **dos\_format**

Displays a Windows Format dialog box allowing the user for prepare a disk or diskette for use.

### **Syntax**

**(dos\_format** *drive*)

### **Argument**

*drive*                    The drive name (for example, A:, B:).

### **Returns**

**T** if successful.

**nil** on error.

### **Example**

```
(dos_format "a:")  
T
```

## **dos\_label**

Returns or changes the volume label of a specified disk.

### **Syntax**

**(dos\_label** [*drive* [*label*]])

### **Options**

*drive*                    The drive name (for example, C:, D:).

*label*                    The volume label.

### **Returns**

A string describing the volume label.

**nil** on error.

### **Example**

```
(dos_label)  
"DRIVE-C"
```

### **Example**

```
(dos_label "d:" "drive-d")  
"DRIVE-D"
```

**dos\_serialno**

Returns the serial number of a specified disk.

**Syntax**

**(dos\_serialno** [*drive*])

**Options**

*drive*                      The drive name (for example, C:, D:).

**Returns**

A string describing the serial number.

**nil** on error.

**Example**

```
(dos_serialno)
"8CD63F34"
```

**Example**

```
(dos_label "d:" "drive-d")
"8048A4CC"
```

## 3 Path Handling Functions

---

### **dos\_fullpath**

Converts a partial path to a fully qualified path. Unlike the **dos\_makepath** function, **dos\_fullpath** can be used with `.\` and `..\` in the path.

#### **Syntax**

**(dos\_fullpath path)**

#### **Argument**

*path*                      If the path argument specifies a drive (C:, D:, etc.), the current directory of this drive is combined with the path.

#### **Returns**

A fully qualified path.

**nil** if drive is not valid or on error.

#### **Example**

```
(dos_fullpath "acad.dwg")  
"C:\\ACAD\\SUPPORT\\ACAD.DWG"
```

#### **Example**

```
(dos_fullpath "..\\windows\\win.ini")  
"C:\\WINDOWS\\WIN.INI"
```

#### **Example**

```
(dos_fullpath "z:")  
"Z:\\PUBLIC"
```

### **dos\_makepath**

Creates a single path, composed of a drive letter, directory path, file name, and file extension.

#### **Syntax**

**(dos\_makepath drive directory filename extension)**

#### **Arguments**

*drive*                      The letter (A, B, etc.) corresponding to the desired drive and an optional trailing colon (:). The function inserts the colon automatically in the composite path name if it is missing. If drive is an empty string (""), no drive letter and colon appear in the returned path.

<i>directory</i>	The path of directories, not including the drive designator or the actual file name. The trailing slash is optional. Either forward slashes (/) or double-backslashes (\\) or both may be used in a single directory argument. If a trailing slash (/ or \\) is not specified, it is inserted automatically. If <i>directory</i> is an empty string (""), no slash is inserted in the returned path.
<i>filename</i>	The base file name without any extensions. If <i>filename</i> is an empty string (""), no file name is inserted in the returned path.
<i>extension</i>	The file name extension, with or without a leading period (.). The function inserts the period automatically if it does not appear in extension. If <i>extension</i> is an empty string (""), no period is inserted in the returned path.

**Returns**

A fully qualified path.

**nil** if drive is not valid or on error.

**Example**

```
(dos_makepath "c:" "\\acad" "acad" "exe")  
"C:\\ACAD\\ACAD.EXE"
```

**Example**

```
(dos_makepath "c:" "\\acad" "" "")  
"C:\\ACAD\\"
```

**Example**

```
(dos_makepath "" "\\acad" "acad" "exe")  
"\\ACAD\\ACAD.EXE"
```

## **dos\_path**

Returns a list describing the current DOS search path for executable programs as set by the either the PATH command or SET PATH statement.

**Syntax**

**(dos\_path)**

**Returns**

Current value of DOS PATH or SET PATH statement.

**nil** on error.

**Example**

```
(dos_path)  
("C:\\ACAD\\" "C:\\WINDOWS\\" "C:\\DOS\\" "Z:\\PUBLIC")
```



## **dos\_splitpath**

Breaks a full path name into its four components. The function returns a list containing the four components.

### **Syntax**

**(dos\_splitpath *path*)**

### **Argument**

*path*                    A string containing a qualified path

### **Returns**

*drive*                    The drive letter followed by a colon (:) if a drive is specified in *path*.

*directory*                The path of subdirectories, if any, including the trailing backslashes. Forward slashes (/), double-backslashes (\\), or both may be present in *path*.

*filename*                The base file name without any extension.

*extension*                The file name extension, if any, including the leading period.

**nil** on error.

### **Example**

```
(dos_splitpath "c:\\acad\\acad.exe")  
("C:" "\\ACAD\\" "ACAD" ".EXE")
```

### **Example**

```
(dos_splitpath "c:\\acad\\")  
("C:" "\\ACAD\\" " " ")
```

### **Example**

```
(dos_splitpath "c:\\acad")  
("C:" "\\ " "ACAD" " ")
```

## 4 Directory Handling Functions

---

### **dos\_chdir**

Changes the current directory to the specified directory. This function can change the current directory on any drive; it cannot be used to change the current drive.

#### **Syntax**

**(dos\_chdir *path*)**

#### **Argument**

*path*                    An existing directory.

#### **Returns**

A qualified path to the current directory.

**nil** on error.

#### **Example**

```
(dos_chdir "test")  
"C:\\ACAD\\TEST\\"
```

#### **Example**

```
(dos_chdir "\\drawings")  
"C:\\DRAWINGS\\"
```

#### **Example**

```
(dos_chdir "z:\\")  
"Z:\\"
```

### **dos\_getdir**

Displays a Windows browse for folder dialog box.

#### **Syntax**

**(dos\_getdir *title* [*path*])**

#### **Argument**

*title*                    A dialog box title.

#### **Option**

*path*                    An existing directory.

#### **Returns**

A qualified path to the current directory selected by the user.

**nil** on cancel or error.

**Example**

```
(dos_getdir "Select a Directory" "c:\\")  
"C:\\DRAWINGS\\PROJECTS\\"
```

**dos\_mkdir**

Creates a new directory. Only one directory can be created at a time, so only the last component of *path* can name a new directory.

**Syntax**

```
(dos_mkdir path)
```

**Argument**

*path*                      The directory name.

**Returns**

A qualified path to the newly created directory.

**nil** on error.

**Example**

```
(dos_mkdir "test")  
"C:\\ACAD\\TEST\\"
```

**Example**

```
(dos_mkdir "\\drawings")  
"C:\\DRAWINGS\\"
```

**dos\_rendir**

Renames a directory.

**Syntax**

```
(dos_rendir oldpath newpath)
```

**Arguments**

*oldpath*                  Must be the path name of an existing directory  
*newpath*                  Must not be the path name of an existing directory.

**Returns**

A qualified path containing the new directory name.

**nil** on error.

**Example**

```
(dos_rendir "test" "backup")  
"C:\\\\ACAD\\BACKUP\\\\"
```

**Example**

```
(dos_rendir "backup" "support")  
nil
```

**dos\_rmdir**

Removes a directory.

**Syntax**

(**dos\_rmdir** *path*)

**Argument**

*path*                   The specified directory must be empty and must not be the current directory or the root directory.

**Returns**

A qualified path to the removed directory.

**nil** on error.

**Example**

```
(dos_rmdir "test")  
"C:\\\\ACAD\\TEST\\\\"
```

**Example**

```
(dos_rmdir "\\drawings")  
"C:\\DRAWINGS\\\\"
```

**dos\_pwdir**

Returns the path to the current directory for the current drive, or the specified drive.

**Syntax**

(**dos\_pwdir** [*drive*])

**Option**

*drive*                   The drive name, for example: C:, D:.

**Returns**

The path to the current directory for specified drive.

**nil** on error.

**Example**

```
(dos_pwdir)
"C:\\\\ACAD\\\\"
```

**Example**

```
(dos_pwdir "z:")
"Z:\\\\PUBLIC\\\\"
```

**dos\_subdir**

Returns a list of subdirectories found in current directory or in the specified directory. This function is the only path-related function whose return values do not contain trailing double-backslashes (\\).

**Syntax**

```
(dos_subdir [path])
```

**Option**

*path* Specifies the desired directory.

**Returns**

A list of subdirectories.

**nil** on error.

**Example**

```
(dos_subdir)
( "." "ADS" "API" "FONTS" "IGESFONTS" "SAMPLE" "SUPPORT" )
```

**Example**

```
(dos_subdir "c:\\")
( "ACAD" "DOS" "TEMP" "WINDOWS" )
```

**dos\_sysdir**

Returns the path of the Windows system directory. The system directory contains such files as Windows libraries, drivers, and font files.

**Syntax**

```
(dos_sysdir)
```

**Returns**

A qualified path to the windows system directory.

**nil** on error.

**Example**

```
(dos_sysdir)
"C:\\WINDOWS\\SYSTEM\\"
```

**dos\_tempdir**

Returns the path of the directory designated for temporary files.

**Syntax**

(dos\_tempdir)

**Returns**

A qualified path to the temporary directory.

**nil** on error.

**Example**

```
(dos_tempdir)
"C:\\WINDOWS\\TEMP\\"
```

**dos\_windir**

Returns the path of the Windows directory. The Windows directory contains such files as Windows-based applications, initialization files, and Help files.

**Syntax**

(dos\_windir)

**Returns**

A qualified path to the Windows directory.

**nil** on error.

**Example**

```
(dos_windir)
"C:\\WINDOWS\\"
```

---

## 5 File Handling Functions

---

### **dos\_attrib**

Returns file attributes, or sets file attributes to the value described by *bits*.

#### **Syntax**

**(dos\_attrib [*filespec* [*bits*]])**

#### **Options**

*filespec*        The desired file or files. Can contain DOS wildcard characters ("\*" and "?"). If no *filespec* is supplied, it is assumed to be \*.\*.

*bits*            An integer (bit-coded) identifying the desired file attributes. Specify more than one file attribute by adding the bit values.

The allowable *bit* values are as follows:

Bit value	Description
0	Normal
1	Read Only
2	Hidden
4	System
8	Archive

#### **Returns**

An association list containing the filename and an integer indicating the attribute bits if successful.

**nil** on error.

#### **Example**

```
(dos_attrib)
(( "ACAD.EXE" . 0) ( "TEST.DWG" . 8))
```

#### **Example**

```
(dos_attrib "*.dwg")
(( "ACAD.EXE" . 0) ( "TEST.DWG" . 8))
```

#### **Example**

```
(dos_attrib "c:\\projects\\*.dwg" 3)
(( "SAMPLE.DWG" . 3) ( "PROJECT.DWG" . 3))
```

## **dos\_closeall**

Closes all open documents (AutoCAD 2000 only).

### **Syntax**

**(dos\_closeall)**

### **Returns**

**nil.**

### **Example**

```
(dos_closeall)  
nil
```

## **dos\_copy**

Copies a file. The function can be used to copy a file from one directory to another, and from one drive to another.

### **Syntax**

**(dos\_copy *srcfilename destfilename*)**

### **Arguments**

*srcfilename*      Source file name. Must be the path name of an existing file.

*destfilename*    Destination file name. If this file exists, it will be overwritten.

### **Returns**

A qualified path to *destfilename*.

**nil** on error.

### **Example**

```
(dos_copy "drawing.dwg" "drawing.bak")  
"C:\\ACAD\\DRAWING.BAK"
```

### **Example**

```
(dos_copy "drawing.dwg" "c:\\acad\\backup\\drawing.bak")  
"C:\\ACAD\\BACKUP\\DRAWING.BAK"
```

### **Example**

```
(dos_copy "drawing.dwg" "a:\\drawing.dwg")  
"A:\\DRAWING.DWG"
```



## **dos\_delete**

Deletes files.

### **Syntax**

(**dos\_delete** *filespec*)

### **Argument**

*filespec* Can be any qualified path name and can contain DOS wildcard characters ("\*" and "?").

### **Returns**

A list of deleted files if successful.

**nil** on error.

### **Example**

```
(dos_delete "acad.bak")  
( "ACAD.BAK" )
```

### **Example**

```
(dos_delete "*.bak")  
( "ACAD.BAK" "TEST.BAK" )
```

## **dos\_dir**

Returns a list containing files found in the current directory or the specified files.

### **Syntax**

(**dos\_dir** [*filespec*])

### **Option**

*filespec* Can be any qualified path name and can contain DOS wildcard characters ("\*" and "?").

### **Returns**

A list of filenames.

**nil** on error.

### **Example**

```
(dos_dir)  
( "ACAD.ADS" "ACAD.ERR" "ACAD.EXE" ... )
```

### **Example**

```
(dos_dir "*.dwg")  
( "ACAD.DWG" "TEST.DWG" )
```

## **dos\_encrypt**

Encrypts or unencrypts a file with a specified password. **WARNING:** Once a file has been encrypted, it cannot be unencrypted without again calling the **dos\_encrypt** function, and specifying the same password argument. Use this function with caution.

### **Syntax**

**(dos\_encrypt filename password)**

### **Arguments**

*filename*            The file to be encrypted or unencrypted.  
*password*           The encryption password.

### **Returns**

A qualified path to the encrypted or unencrypted file.

**nil** on error.

### **Example**

```
(dos_encrypt "test.dwg" "password")  
"c:\\drawings\\test.dwg"
```

## **dos\_file**

Returns a list containing detailed file information on a file.

### **Syntax**

**(dos\_file filename)**

### **Argument**

*filename*            The desired file name.

### **Returns**

A list of strings describing file information

The return values of **dos\_file** are as follows:

Value	Description
filename	The qualified path to <i>filename</i> .
size	The size of the file in bytes.
date	The date the file was last written.
time	The time the file was last written.
read-only	"R" if the file is read-only; otherwise "".
hidden	"H" if the file is hidden; otherwise "".
system	"S" if the file is system; otherwise "".
archive	"A" if the file is archive; otherwise "".

**nil** on error.

#### Example

```
(dos_file "test.dwg")  
  
("C:\\ACAD\\TEST.DWG" "343038" "06-06-1994" "10:25:14a" "R" "" ""  
"A")
```

## dos\_filesize

Returns file size information on the files found in the current directory or the specified files.

#### Syntax

(**dos\_filesize** [*filespec*])

#### Option

*filespec* Can be any qualified path name and can contain DOS wildcard characters ("\*" and "?").

#### Returns

An association list containing the filename and a real number indicating the size of the file in bytes.

**nil** on error.

#### Example

```
(dos_filesize)  
  
(("DRAWING.DWG" . 35189.0) ("TEST.DWG" . 44135.0))
```

#### Example

```
(dos_filesize "c:\\drawings\\*.dwg")  
  
(("SAMPLE.DWG" . 54189.0) ("PROJECT.DWG" . 24135.0))
```

## dos\_filesys

Returns the file system of the specified drive; either FAT, NTFS, HPFS, CDFS, or a network drive.

#### Syntax

(**dos\_filesys** [*drive*])

#### Option

*drive* The drive name (for example, C:, D:).

#### Returns

A string describing the file system.

**nil** on error.

**Example**

```
(dos_filesys)
"FAT"
```

**Example**

```
(dos_filesys "d:")
"NTFS"
```

**dos\_find**

Searches for all instances of a file.

**Syntax**

**(dos\_find** *filename* [*drive*])

**Argument**

*filename*            The file name.

**Option**

*drive*                The drive to search

**Returns**

A list containing qualified path names to all instances of *filename*.

**nil** if the file was not found or on error.

**Example**

```
(dos_find "acad.dwg")
("C:\\ACAD\\ACAD.DWG" "C:\\ACAD\\BACKUP\\ACAD.DWG")
```

**Example**

```
(dos_find "acad.dwg" "x:")
("X:\\PROJECTS\\MASTERS\\ACAD.DWG")
```

**dos\_getfilem**

Displays a Windows common file open dialog box that allows for multiple file selection.

**Syntax**

**(dos\_getfilem** *title path filter*)

**Argument**

*title*                A dialog box title.

*path*                 An existing directory

*filter* A filename filter string. The filter string consists of two components: a description (for example, "Text Files"), and a filter pattern (for example, "\*.TXT"). Multiple filter patterns can be specified for a single item by separating the filter-pattern strings with a semicolon (for example, "\*.TXT;\*.DOC;\*.BAK"). The components must be separated by a pipe character ("|"). The filename filter string can consist of one or more filter strings, each separated by a pipe character ("|").

**Returns**

A list of filenames. The first element of the list is a qualified path to the selected directory.

**nil** on cancel or error.

**Example**

```
(dos_getfilem "Select Drawings" "C:\\DRAWINGS\\" "Drawing Files  
(*.DWG)|*.DWG")  
  
("C:\\DRAWINGS\\" "TITLE1.DWG" "TITLE2.DWG" ...)
```

**Example**

```
(dos_getfilem "Select Files" "C:\\FILES\\" "Text Files  
(*.TXT)|*.TXT|All Files (*.*)|*.*")  
  
("C:\\FILES\\" "TITLE1.TXT" "TITLE2.TXT" ...)
```

## **dos\_move**

Moves a file to another location. The function can be used to move a file from one directory to another. However, files cannot be moved from one drive to another.

**Syntax**

```
(dos_move filename1 filename2)
```

**Arguments**

*filename1* Must be the path name of an existing file.  
*filename2* Must not be the same name as an existing file.

**Returns**

A qualified path to the file's new location.

**nil** on error.

**Example**

```
(dos_move "drawing.dwg" "c:\\backup\\drawing.dwg")  
  
"C:\\BACKUP\\DRAWING.DWG"
```

**Example**

```
(dos_move "drawing.dwg" "c:\\drawing.dwg")  
  
"C:\\DRAWING.DWG"
```

## **dos\_openp**

Returns the open status of a file. This function has use in network environments.

### **Syntax**

**(dos\_openp** *filename*)

### **Argument**

*filename*            Must be the name of an existing file.

### **Returns**

**T** if the file is open.

**nil** if the file is closed or on error.

### **Example**

```
(dos_openp "drawing.dwg")  
T
```

## **dos\_recent**

Adds to or clears the Windows recently used document list.

### **Syntax**

**(dos\_recent** [*filename*])

### **Option**

*filename*            Must be the path name of an existing file. If no argument is specified, the recently used document list will be cleared.

### **Returns**

**nil** if successful or on error.

### **Example**

```
(dos_recent "c:\\drawings\\drawing.dwg")  
nil
```

## **dos\_saveall**

Saves all open documents (AutoCAD 2000 only).

### **Syntax**

**(dos\_saveall)**

### **Returns**

**nil.**

**Example**

```
(dos_saveall)
nil
```

**dos\_rename**

Renames a file.

**Syntax**

```
(dos_rename oldfilename newfilename)
```

**Arguments**

*filename1*        Must be the path name of an existing file.  
*filename2*        Must not be the same name as an existing file.

**Returns**

A qualified path name containing the file's new name.

**nil** on error.

**Example**

```
(dos_rename "drawing.dwg" "drawing.bak")
"C:\\ACAD\\DRAWING.BAK"
```

**dos\_search**

Searches for the target file in the specified domain. The function searches for a matching file in the directories specified by the *environment* argument. If the *environment* argument is **nil**, the following directories are searched, in the order listed: the directory from which the application loaded, the current directory, the Windows system directory, the Windows directory, and any directories listed by the PATH environment variable.

**Syntax**

```
(dos_search filename environment)
```

**Arguments**

*filename*        The desired file name.  
*environment*    Any environment variable that specifies a list of directory paths (for example, PATH, ACAD).

**Returns**

A qualified path name if successful.

**nil** if the file was not found or on error.

**Example**

```
(dos_search "acad.exe" (dos_path))  
"C:\\ACAD\\ACAD.EXE"
```

**Example**

```
(dos_search "win.ini" nil)  
"C:\\WINDOWS\\WIN.INI"
```

**dos\_touch**

Sets the date and time at which files were last written. These values appear in the DOS date and time format.

**Syntax**

(**dos\_touch** *filespec*)

**Argument**

*filespec* Can be any qualified path name and can contain DOS wildcard characters ("\*" and "?").

**Returns**

A list of file that were modified if successful.

**nil** on error.

**Example**

```
(dos_touch "c:\\acad\\acad.dwg")  
("ACAD.EXE")
```

**Example**

```
("ACAD.DWG" "TEST.DWG")  
"C:\\ACAD\\*.DWG"
```



## 6 Print Handling Functions

---

### **dos\_getprn**

Returns the current, or default, Windows printer.

#### **Syntax**

**(dos\_getprn)**

#### **Returns**

A string describing the current Windows printer.

**nil** on error.

#### **Example**

```
(dos_getprn)
"HP LaserJet 5Si/5Si MX"
```

### **dos\_printers**

Returns the list of installed Windows printers. These printers were installed through the Windows Control Panel.

#### **Syntax**

**(dos\_printers)**

#### **Returns**

A list of string describing the current installed Windows printers.

**nil** on error.

#### **Example**

```
(dos_printers)
("HP LaserJet 5Si/5Si MX" "Phantom AutoCAD OLE/ADI Printer")
```

### **dos\_setprn**

Sets the current, or default, Windows printer. The printer name must be a name returned by the **dos\_printers** function.

#### **Syntax**

**(dos\_setprn *printer*)**

#### **Argument**

*printer*            The printer name.

**Returns**

A string describing the current Windows printer.

**nil** on error.

**Example**

```
(dos_setprn "HP LaserJet 5Si/5Si MX")  
"HP LaserJet 5Si/5Si MX"
```

**dos\_spool**

Spools a disk file to a Windows printer. The spool file must be in a "raw" printer format. The **dos\_spool** function can be used as a supplement to AutoCAD's Autospool plotting method.

**Syntax**

(**dos\_spool** *filename printer*)

**Arguments**

<i>filename</i>	The spool file name.
<i>printer</i>	The printer name.

**Returns**

A qualified path to the spooled file.

**nil** on error.

**Example**

```
(dos_spool "test.plt" "HP LaserJet 5Si/5Si MX")  
"c:\\drawings\\test.plt"
```

## 7 Initialization File and Registry Handling Functions

---

### **dos\_getini**

Returns a string from the specified section in the Windows-style initialization (.INI) file. The initialization file must have the following form:

```
[section]
entry=string
.
```

#### **Syntax**

(**dos\_getini** *section entry filename*)

#### **Arguments**

<i>section</i>	The section containing the entry.
<i>entry</i>	The entry whose associated string is to be returned.
<i>filename</i>	The file name of the initialization file.

Arguments to **dos\_getini** are not case dependent, so the strings in *section* and *entry* may be in any combination of uppercase and lowercase letters.

#### **Returns**

If *section* is **nil**, a list of section names is returned.

If *entry* is **nil**, a list of entries for the specified *section* is returned.

Otherwise, a string associated with *entry* is returned.

**nil** on error.

#### **Example**

```
(dos_getini "drawings" "dwg1" "dwg.ini")
"DWG1.DWG"
```

### **dos\_regdel**

Deletes a value and/or key from the Windows Registry.

#### **Syntax**

(**dos\_regdel** *application section key[T]*)

**Arguments**

<i>application</i>	The application from which the value or key will be deleted.
<i>section</i>	The section from which the value or key will be deleted. If this parameter is <b>nil</b> , every section from the specified application-level key and all of its subkeys and values will be deleted.
<i>key</i>	The key and associated value to be deleted. If this parameter is <b>nil</b> , every key from the specified section-level key and all of its values will be deleted.

**Option**

<i>T</i>	The Registry hive from which to delete the value or key. If specified, the value or key is deleted from HKEY_LOCAL_MACHINE\Software\DOSLib. Otherwise, the value or key is deleted from HKEY_CURRENT_USER\Software\DOSLib.
----------	--

**Returns**

The value or key that was removed if successful.

**nil** on error.

**Example**

```
(dos_regdel "CAD" "Project1" "User")  
"User"
```

**Example**

```
(dos_regdel "CAD" "Project2" "User" T)  
"User"
```

**dos\_regget**

Gets or retrieves a value or key from the Windows Registry.

**Syntax**

```
(dos_regget application section key[T])
```

**Arguments**

<i>application</i>	The application from which to retrieve the value or key. If this parameter is <b>nil</b> , every application-level key will be retrieved.
<i>section</i>	The section from which to retrieve the value or key. If this parameter is <b>nil</b> , every section-level key from the specified application will be retrieved.
<i>key</i>	The key from which the value will be retrieved.

**Option**

*T* The Registry hive from which to retrieve the value or key. If specified, the value or key is retrieved from HKEY\_LOCAL\_MACHINE\Software\DOSLib. Otherwise, the value or key is retrieved from HKEY\_CURRENT\_USER\Software\DOSLib.

**Returns**

The value or key that was requested.

**nil** on error.

**Example**

```
(dos_regget "CAD" "Project1" "User")  
"Dale"
```

**Example**

```
(dos_regget "CAD" "Project2" "User" T)  
"Mary"
```

**dos\_regset**

Sets or adds a string value or key to the Windows Registry.

**Syntax**

(**dos\_regset** *application section key value [T]*)

**Arguments**

<i>application</i>	The application to which the value or key will be added.
<i>section</i>	The section to which the value or key will be added. If this parameter is <b>nil</b> , an application-level key will be added.
<i>key</i>	The key to which the value will be added. If this parameter is <b>nil</b> , a section-level key will be added.
<i>value</i>	The string value to added. If this parameter is <b>nil</b> , an empty string ("") is assigned to the specified key.

**Option**

*T* The Registry hive to which to add the value or key. If specified, the value or key is set in or added to HKEY\_LOCAL\_MACHINE\Software\DOSLib. Otherwise, the value or key is set in or added to HKEY\_CURRENT\_USER\Software\DOSLib.

**Returns**

The value or key that was set.

**nil** on error.

**Example**

```
(dos_regset "CAD" "Project1" "User" "Dale")  
"Dale"
```

**Example**

```
(dos_regset "CAD" "Project2" "User" "Mary" T)  
"Mary"
```

**dos\_setini**

Copies a string into the specified section of the Windows-style initialization (.INI) file. An initialization file must have the following form:

```
[section]  
entry=string
```

```
.  
.
```

**Syntax**

(**dos\_setini** *section entry string filename*)

**Arguments**

<i>section</i>	The section to which the string will be copied. If section does not exist, it is created.
<i>entry</i>	The name of the entry to be associated with a string. If the entry does not exist in the specified section, it is created. If this parameter is <b>nil</b> , the entire section, including all entries within the section, is deleted.
<i>string</i>	The string to be written to the file. If this parameter is <b>nil</b> , the entry pointed to by <i>entry</i> is deleted.
<i>filename</i>	The name of the initialization file. If file name does not exist, the function creates the file. The specified directory must already exist.

Arguments to **dos\_setini** are not case dependent, so the strings in *section*, *entry* and *string* may be in any combination of uppercase and lowercase letters. Also, to improve performance, Windows keeps a cached version of the most recently accessed initialization file. If that *filename* is specified and the other arguments are **nil**, Windows flushes the cache. This function always returns **nil** after flushing the cache, regardless of whether the flush succeeds or fails.

**Returns**

A qualified path name to *filename*.

**nil** on error.

**Example**

```
(dos_setini "drawings" "dwg1" "dwg1.dwg" "dwg.ini")  
"C:\\DRAWINGS\\DWG.INI"
```

**Example**

```
(dos_setini "drawings" "dwg1" nil "dwg.ini")  
"C:\\DRAWINGS\\DWG.INI"
```

## 8 Process Handling Functions

---

### **dos\_command**

Runs an internal DOS command.

Internal DOS commands are those commands native to COMMAND.COM.

#### **Syntax**

(**dos\_command** *command-line*)

#### **Argument**

*command-line* A string describing the internal command and its arguments.

#### **Returns**

Returns *command-line* if successful.

**nil** on error.

#### **Example**

```
(dos_command "copy *.dwg a:")  
"COPY *.DWG A:"
```

### **dos\_execute**

Executes an external program.

The PATH environment variable is used to find the program to be executed.

#### **Syntax**

(**dos\_execute** *command-line*)

#### **Argument**

*command-line* A string describing the external program and its arguments.

#### **Returns**

The function returns *command-line*.

**nil** on error.

#### **Example**

```
(dos_execute "c:\\dos\\format.com a: /s")  
"C:\\DOS\\FORMAT.COM A: /S"
```

#### **Example**

```
(dos_execute "c:\\windows\\notepad.exe")  
"C:\\WINDOWS\\NOTEPAD.EXE"
```



## dos\_exewait

Executes an external program, then waits for termination before returning control to the calling application.

### Syntax

(**dos\_exewait** *command-line*)

### Arguments

*command-line* A string describing the external program and its arguments.

### Returns

**T** if successful.

**nil** on error.

### Example

```
(dos_execwait "notepad.exe")  
T
```

## dos\_shellexe

Opens or prints a specified file. The file can be an executable file or a document file

### Syntax

(**dos\_shellexe** *file parameters [operation]*)

### Arguments

*file* A file to open or print or the folder to open or explore. The function can open an executable file or a document file. The function can print a document file.

*parameters* The parameters to be passed to the application, like a document. If *file* specifies a document file, *parameters* should be **nil**.

### Option

*operation* The operation to be performed. The default operation is open.

Bit value	Description
0	Open the executable or document.
1	Print the document.
2	Explore the specified folder

### Returns

**T** if successful.

**nil** on error.

**Example**

```
(dos_shellexe "notepad.exe" "readme.txt")  
T
```

**Example**

```
(dos_shellexe "www.mcneel.com" nil)  
T
```

**Example**

```
(dos_shellexe "c:\\drawings\\" nil 2)  
T
```

## 9 System Functions

---

### **dos\_about**

Displays version number and copyright information about DOSLib.

#### **Syntax**

(**dos\_about**)

#### **Returns**

**nil**.

#### **Example**

```
(dos_about)
nil
```

### **dos\_beep**

Plays a Windows waveform audio file. The waveform sound for each sound type is identified by an entry in the [sounds] section of the registry. If the system cannot play the specified alert sound, **dos\_beep** plays the system default sound. If the function cannot play the default sound, **dos\_beep** produces a standard beep by using the computer speaker.

#### **Syntax**

(**dos\_beep** [*type*])

#### **Option**

*type*                      The waveform type. The allowable values are as follows:

Bit value	Description
0	Standard beep
1	System Asterisk
2	System Exclamation
3	System Hand
4	System Question
5	System Default

#### **Returns**

**T** if successful.

**nil** on error.

**Example**

```
(dos_beep 1)
T
```

**dos\_computer**

Returns or sets the computer name of the current system. The name is established at system startup, when it is initialized from the registry. Changes to the computer name take effect the next time the system is started.

**Syntax**

```
(dos_computer [computer])
```

**Option**

*computer*           The computer name.

**Returns**

A string describing the computer name.

**nil** on error.

**Example**

```
(dos_computer)
"POKEY"
```

**Example**

```
(dos_computer "SPEEDY")
"SPEEDY"
```

**dos\_date**

Returns the current system date or changes the current system date to one specified.

**Syntax**

```
(dos_date [date])
```

**Option**

*date*               Must be specified in a month-day-year, or MM-DD-YYYY, format.

**Returns**

The current system date.

**nil** on error.

**Example**

```
(dos_date)
"1-1-1996"
```

**Example**

```
(dos_date "9-1-1998")  
"9-1-1998"
```

**dos\_help**

Displays a listing of available DOSLib functions.

**Syntax**

**(dos\_help)**

**Returns**

A list of DOSLib functions.

**nil** on error

**Example**

```
(dos_help)  
("dos_about" "dos_attrib" "dos_beep" ...)
```

**dos\_hostname**

Returns a systems local DNS hostname

**Syntax**

**(dos\_hostname)**

**Returns**

A string containing the DNS hostname.

**nil** on error

**Example**

```
(dos_hostname)  
"robert.mcneel.com"
```

**dos\_ipaddress**

Returns a list of local TCP/IP addresses

**Syntax**

**(dos\_ipaddress)**

**Returns**

A list of strings containing local TCP/IP addresses.

**nil** on error

**Example**

```
(dos_ipaddress)
("204.177.179.35")
```

**dos\_mem**

Returns a list containing information about current available memory. The function returns information about both physical and virtual memory. Note, use the **rtos** function to convert the return values to strings.

**Syntax**

**(dos\_mem)**

**Returns**

A list of numbers describing the current state of memory.

The return values of **dos\_mem** are as follows:

Value	Description
MemLoad	The percent of memory in use (integer).
TotalPhys	Bytes of physical memory.
AvailPhys	Free physical memory bytes.
TotalPageFile	Bytes of paging file.
AvailPageFile	Free bytes of the page file.
TotalVirtual	User bytes of address space.
AvailVirtual	Free user bytes.

**nil** on error.

**Example**

```
(dos_mem)
(86 4.98401e+007 0.0 4.92831e+007 2.42934e+007 2.14329e+009
2.09243e+009)
```

**dos\_macaddress**

Returns the system's media access control (MAC) addresses

**Syntax**

**(dos\_macaddress)**

**Returns**

A strings containing the local MAC address.

**nil** on error

**Example**

```
(dos_macaddress)
"00:80:C7:C7:CE:96"
```

**dos\_msgbox**

Creates, displays and operates a Windows message box, or dialog, box. The message box contains an application-defined message and title plus any combination of predefined icons and push buttons.

**Syntax**

**(dos\_msgbox** *text title button icon*)

**Arguments**

*text*            The message to be displayed.  
*title*           The message box title.  
*button*        The push button format. The allowable values are as follows:

Bit value	Description
0	Abort, Retry and Ignore
1	OK
2	OK and Cancel
3	Retry and Cancel
4	Yes and No
5	Yes, No and Cancel

*icon*           The icon. The allowable values are as follows:

Bit value	Description
0	Asterisk
1	Exclamation
2	Hand
3	Information
4	Question
5	Stop

**Returns**

The return values of **dos\_msgbox** are as follows:

Value	Description
0	Abort
1	Cancel
2	Ignore
3	No
4	OK

Value	Description
5	Retry
6	yes

**nil** on error.

**Example**

```
(dos_msgbox "Are you sure?" "Save" 4 3)
6
```

## **dos\_pause**

Pauses the execution of a function or expression for a specified number of seconds.

**Syntax**

**(dos\_pause** *duration* **)**

**Argument**

*duration*          Duration time in seconds.

**Returns**

**nil** if successful or on error.

**Example**

```
(dos_pause 5)
nil
```

## **dos\_random**

Returns a pseudorandom number.

**Syntax**

**(dos\_random)**

**Returns**

An integer pseudorandom number.

**Example**

```
(dos_random)
8192
```

## **dos\_show**

Controls the display of the AutoCAD window.



**Syntax**

(**dos\_show** *method*)

**Argument**

*icon*                    The icon. The allowable values are as follows:

Bit value	Description
0	Maximize
1	Minimize
2	Restore

**Returns**

**nil** if successful or on error.

**Example**

```
(dos_show 0)
nil
```

**dos\_splash**

Displays a Windows bitmap splash screen. The bitmap file must be a 256-color Windows BMP file.

**Syntax**

(**dos\_splash** *filename* *duration*)

**Arguments**

*filename*                A 256-color Windows BMP file.  
*duration*                Duration time in seconds.

**Returns**

**nil** if successful or on error.

**Example**

```
(dos_splash "mylogo.bmp" 5)
nil
```

**dos\_time**

Returns the current system time or changes the current system time to one specified.

**Syntax**

(**dos\_time** [*time*])

**Option**

*time*                    Time specified in 24-hour (military) format.

**Returns**

The current system time.

**nil** on error.

**Example**

```
(dos_time)
"4:00:00p"
```

**Example**

```
(dos_time "17:00")
"5:00:00p"
```

**dos\_username**

Returns user name of the current thread. This is the name of the user currently logged onto the system.

**Syntax**

```
(dos_username)
```

**Returns**

A string describing the current user's name.

**nil** on error.

**Example**

```
(dos_username)
"DALE"
```

**dos\_ver**

Returns the operating system version number.

**Syntax**

```
(dos_ver)
```

**Returns**

The operating system version number.

**nil** on error.

**Example**

```
(dos_ver)
"4.0"
```

**dos\_version**

Returns the DOSLib version number.

**Syntax**

**(dos\_version)**

**Returns**

The DOSLib version number.

**nil** on error.

**Example**

```
(dos_version)
"4.4"
```

**dos\_wav**

Plays a Windows waveform audio file.

**Syntax**

**(dos\_wav filename)**

**Argument**

*filename*            The waveform file name.

**Returns**

**T** if successful..

**nil** on error.

**Example**

```
(dos_wav "boink.wav")
T
```

**dos\_win**

Returns the Windows operating environment.

**Syntax**

**(dos\_win)**

**Returns**

The Windows operating environment.

**nil** on error.

**Example**

```
(dos_win)
"WIN95"
```

# 10 Version History

---

## **Version 4.4 – May, 1999**

The eight release of DOSLib adds support for AutoCAD 2000. Functions added include `dos_closeall`, `dos_hostname`, `dos_ipaddress`, `dos_macaddress`, `dos_saveall`, and `dos_serialno`. Support for IMSI's TurboCAD Professional v5 is discontinued.

## **Version 4.3 - November, 1998**

The seventh release of DOSLib adds support for IMSI's TurboCAD Professional v5. Functions added include `dos_exewait`, `dos_format`, `dos_getdir`, `dos_getfilem`, `dos_openp`, `dos_pause`, `dos_random`, `dos_recent`, `dos_regdel`, `dos_regget`, `dos_regset`, `dos_shellexe`, `dos_show`, `dos_splash`, and `dos_version`.

## **Version 4.2 - August, 1998**

The sixth release of DOSLib added support for Visio's IntelliCAD 98.

## **Version 4.1 - November, 1997**

The fifth release of DOSLib. Functions added included `dos_computer`, `dos_drivetype`, `dos_encrypt`, `dos_filesys`, `dos_getprn`, `dos_label`, `dos_mem`, `dos_msgbox`, `dos_printers`, `dos_setprn`, `dos_spool`, `dos_sysdir`, `dos_tempdir`, `dos_username`, `dos_wav`, and `dos_windir`.

## **Version 4.0001 - May, 1997**

The forth release of DOSLib, but the first as an AutoCAD Runtime Extension (ARX) application. Supporting AutoCAD Release 14, this version ships as a bonus tool with Release 14. Development for AutoCAD Release 12 for Windows and for all AutoCAD for DOS platforms was discontinued.

## **Version 3.0 - February, 1996**

The third and final ADS release of DOSLib added support for both AutoCAD Release 13 for DOS and Release 13 for Windows. Functions added included `dos_command`, `dos_execute`, `dos_filesize`, `dos_move`, `dos_path`, and `dos_rendir`.

## **Version 2.0 - April, 1994**

The second release of DOSLib. Functions added included `dos_attrib`, `dos_beep`, `dos_getini`, `dos_help`, `dos_setini`, `dos_touch`, and `dos_win`.

**Version 1.0 - May, 1993**

The first official release of DOSLib. Developed as an Autodesk Development System (ADS) application, DOSLib supported AutoCAD Release 12 for DOS and Release 12 for Windows. Function included were dos\_about, dos\_chdir, dos\_chkdsk, dos\_copy, dos\_date, dos\_delete, dos\_dir, dos\_drive, dos\_drives, dos\_file, dos\_find, dos\_fullpath, dos\_makepath, dos\_mkdir, dos\_pkdir, dos\_rename, dos\_rmdir, dos\_search, dos\_splitpath, dos\_subdir, dos\_time, and dos\_ver.

**Version 0.6 - September, 1992**

The original DOSLib. Developed as an Autodesk Development System (ADS) application, DOSLib supported AutoCAD Release 12 for DOS.

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