

LIB - File Maintenance

LIB provides user control over file accumulation for libraries of all types, allowing listing, deleting, renaming and copying.

When to Use the File Maintenance (LIB) Option

You will find that, unless managed, there will be many files on your design directories. You should become familiar with your computer operating system's method of file maintenance. The LIB option provide an alternative method for doing the basic tasks, if you prefer to do them from within CODE V.

Default Operation

None. Commands initiate immediate operations. If no file type is entered (using the TYP command), all file types are displayed in directory listing and must be used in specification of files. TYP, if used, will restrict directory display and default specifications to that filetype.

Command Mnemonics (alphabetical)

COP	DEL	DIR	LIS	PUR	REN	TYP
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Definitions

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|----------------|---|--|
| filespec | – | up to 256 total characters for the file path specification, including directory names, and the filename combined (letters and numbers, but NOT spaces) in the format:
pathname:\directory_spec\filename.version.filetype
(/ and \ are interchangeable)
OR filename.version.filetype OR 'extfilespec' |
| where: | | |
| pathname | – | (optional) corresponds to a DOS environment variable. The colon is necessary. |
| directory_spec | – | (optional) directory specification for filename |
| filename | – | * or name up to 128 characters long, the first of which must be a letter |
| filetype | – | * or SEQ, LEN, MUL, LIS, PLT, REC, etc. (Optional for filetype specific operations.) |
| version | – | *, -(dash), or number (unlimited) |
| * | – | “wild card” which means “all files”, “all types”, or “all versions” |
| - | – | (dash) means “all versions below the highest version” |
| extfilespec | – | filespec defined only in the terminology of the operating system definitions - enclosed in single or double quotes and passed to the operating system without alteration |

Defining File Maintenance

To define file maintenance settings, choose the **Tools > File Maintenance** menu. The **File Maintenance** dialog box is displayed. Define the controls as described in the table below.

Command Syntax		
Screen Control	Explanation	Default
TYP filetype *		
File type	Restricts files to the type specified when the filetype is omitted from the filespec. * means "all filetypes".	*
DIR [filespec]		
List directory	List all filenames of the specified filespec. If no filespec is entered, all filenames will be listed unless types have been restricted with the TYP command. Ex: DIR *.LIS displays all listing filenames; DIR FILE1 will display all types and versions of files whose filenames are FILE1 (unless types have been restricted with the TYP command). CTRL-BREAK terminates listing. In the GUI, the default is to list the contents of the CVUSER directory.	None.
LIS filespec		
List file	List the specified file; only ASCII files may be listed (binary files such as .LEN, .MUL and the screen files will not be listed). CTRL-BREAK terminates the listing.	None.
DEL filespec		
Delete file	Delete all files of the specified filespec; a version MUST be specified but can be (*) or (-) to mean "all versions" or "all versions below the highest" respectively. Ex: DEL *.-.PLT will leave only the highest version of all plot files; DEL FILE1.* will delete all versions of all types of files with the filename FILE1 (unless types have been restricted with the TYP command); DEL FILE2.3.PLT will delete version 3 of the plot file with the filename FILE2.	None.
COP filespec1 filespec2		
Copy file	Make a copy of the first file with the second name.	None.
REN filespec1 filespec2		
Rename file	Rename the first file to the second name.	None.
PUR filespec		
Purge files	Removes (purges) all versions of the specified filespec, except the most recent version . Ex: PUR JUNK.SEQ will remove all versions below the highest.	None.

Discussion of Input and Computations

What to Include in the LDM

No lens data is required; operate on the files whether or not you have an active lens.

Usage

CODE V generates .LIS and .PLT files on each run if more than just screen output is requested. You will also generate .LEN or .MUL files each time you use SAV (or CSA) commands to store lens data or multilayer data, respectively; use of the EDIT, or WRITE options will generate .SEQ files. Other files may be generated from screens and solids modeling. Many of these will generate a file with the next higher version number, leaving it up to you to dispose of unwanted files. This option is a general file management facility to accomplish this, and other functions, for all the files in your directory.

The **TYP** command allows specification of a default filetype. If the filetype is omitted from a filespec, then the command applies to the default filetype. If a default filetype has not been specified (or the **TYP *** command has been entered), you must include the filetype (.LEN, .SEQ, .LIS, .PLT, .MUL, etc.) in order to make the filespec unique. Specification of a default filetype is a convenience to the user, allowing shorter commands. But you always have access to all files by including the filetype in your command regardless of whether you specified the default in the **TYP** command.

The format for the filespec has been chosen so that it has the necessary versatility but can be implemented on any computer. This provides a machine-independent file management facility that is the same for all users of the CODE V version. Each file can also be viewed and managed under the operating system of the applicable computer.

Several user conveniences have been provided:

- Inclusion of the filetype on the **TYP** command makes it unnecessary to provide it on each local command.

Ex: TYP SEQ	Lists directory for all
DIR	.SEQ files
DEL TRIPLET.3	Deletes version 3 of
	TRIPLET.SEQ
REN TRIPLET.2 TRIP.1	Renames version 2 of
	TRIPLET.SEQ to version
	1 of TRIP.SEQ

- The 'wildcard', *, can be used for filenames, filetypes and/or versions to mean "all."

Ex: DEL *.*.PLT	Deletes all versions of
DIR	all .PLT files
TYP LEN	Deletes all versions of
DEL *.*	all .LEN files
DEL FILE1.*.*	Deletes all files with
	filename, FILE1

- For the **DEL** command, the (-) can be used as the version to mean "all except the latest version"; this keeps only the most recent of the designated files.

Ex: DEL *.-.LIS	Deletes all except the
	latest version of .LIS files
TYP LEN	Deletes all except the latest
DEL *.-	version of .LEN files

- Nonstandard filenames that do not follow the CODE V file name syntax can be used in the exact format required by the operating system by enclosing them in single or double quotes. This allows the user to refer to files that were not saved in CODE V (e.g., created in an editor) or files created by an earlier version of CODE V with a different file name syntax that were not renamed to the current CODE V file name syntax.

Ex: DEL 'TRIPLER.SEQ'
– Deletes single file

COP 'B:\TOM\TRIP.LEN' 'C:\TOM2\TRIP.LEN'
– Makes a copy of the file TRIP.LEN on directory \TOM on node B, to create a file of the same name in directory \TOM2 on node C

Appropriate messages are generated to indicate the operations performed. **DIR** and **LIS** generate lists which can be terminated with a CTRL-BREAK.