



This is part of **Family API** which allow to create dual-os version of program runs under OS/2 and DOS

**Note:** This is legacy API call. It is recommended to use 32-bit equivalent

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This call loads a dynamic link module and returns a handle for the module.

## Syntax

DosLoadModule (ObjNameBuf, ObjNameBufL, ModuleName, ModuleHandle)

## Parameters

;ObjNameBuf (PSZ) - output: Address of the name of an object that contributed to the failure of DosLoadModule. ;ObjNameBufL (USHORT) - input: Length, in bytes, of the buffer described by ObjNameBuf. ;ModuleName (PSZ) - input: Address of the ASCIIIZ name string containing the dynamic link module name or the pathname string. The filename extension used for dynamic link libraries is .DLL. When a pathname is provided, the module name may have any extension. The internal module name (the name given in the LIBRARY statement in the .DEF file) must be the same as the filename without the extension. ;ModuleHandle (PHMODULE) - output: Address of the handle for the dynamic link module.

## Return Code

;rc (USHORT) - return:Return code descriptions are:  
\* 0 NO\_ERROR \* 2 ERROR\_FILE\_NOT\_FOUND \* 3  
ERROR\_PATH\_NOT\_FOUND \* 4 ERROR\_TOO\_MANY\_OPEN\_FILES \* 5 ERROR\_ACCESS\_DENIED \* 8  
ERROR\_NOT\_ENOUGH\_MEMORY \* 11 ERROR\_BAD\_FORMAT \* 26 ERROR\_NOT\_DOS\_DISK \* 32  
ERROR\_SHARING\_VIOLATION \* 33 ERROR\_LOCK\_VIOLATION \* 36 ERROR\_SHARING\_BUFFER\_EXCEEDED  
\* 95 ERROR\_INTERRUPT \* 108 ERROR\_DRIVE\_LOCKED \* 123 ERROR\_INVALID\_NAME \* 127  
ERROR\_PROC\_NOT\_FOUND \* 180 ERROR\_INVALID\_SEGMENT\_NUMBER \* 182  
ERROR\_INVALID\_ORDINAL \* 190 ERROR\_INVALID\_MODULETYPE \* 191  
ERROR\_INVALID\_EXE\_SIGNATURE \* 192 ERROR\_EXE\_MARKED\_INVALID \* 194  
ERROR\_ITERATED\_DATA\_EXCEEDS\_64k \* 195 ERROR\_INVALID\_MINALLOC\_SIZE \* 196  
ERROR\_DYNLINK\_FROM\_INVALID\_RING \* 198 ERROR\_INVALID\_SEGDPL \* 199  
ERROR\_AUTODATASEG\_EXCEEDS\_64k \* 201 ERROR\_RELOC\_CHAIN\_XEEDS\_SEGLIM \* 206  
ERROR\_FILENAME\_EXCED\_RANGE

## Remarks

If the file is an OS/2 dynamic link module, it is loaded, and a handle is returned. This handle is used for freeing the dynamic link module with a [DosFreeModule](#) request, getting procedure addresses with [DosGetProcAddr](#) requests, and getting the fully qualified file name with a [DosGetModName](#) request.

DosLoadModule may not be called from a dynamic library initialization routine if the module to be loaded or any module referenced by it contains a dynamic link library initialization routing.

## Bindings

### C

```
<PRE> #define INCL_DOSMODULEMGR

USHORT rc = DosLoadModule(ObjNameBuf, ObjNameBufL, ModuleName, ModuleHandle);

PSZ ObjNameBuf; /* Address of object name buffer */ USHORT ObjNameBufL; /* Length of object name
buffer */ PSZ ModuleName; /* Address of module name string */ PHMODULE ModuleHandle; /* Address
of module handle (returned) */

USHORT rc; /* return code */ </PRE>
```

### MASM

```
<PRE> EXTRN DosLoadModule:FAR INCL_DOSMODULEMGR EQU 1

PUSH@ OTHER ObjNameBuf ;Object name buffer (returned) PUSH WORD ObjNameBufL ;Length of
object name buffer PUSH@ ASCIIZ ModuleName ;Module name string PUSH@ WORD ModuleHandle
;Module handle (returned) CALL DosLoadModule
```

Returns WORD </PRE>

### Example

This example loads a module. <PRE> #define INCL\_DOSMODULEMGR

```
#define MODULE_NAME "abcd" #define FULL_MODULE_NAME "\nifty\abcd.dll"
```

```
CHAR LoadError[100]; HMODULE ModuleHandle; USHORT rc;
```

```
if (DosLoadModule(LoadError,           /* Object name buffer */
                  sizeof(LoadError),    /* Length of object name buffer */
                  MODULE_NAME,          /* Module name string */
                  &ModuleHandle) == 2)   /* Module handle */
```

```
</PRE>
```

Family API		
DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSet FileMode DosOpen DosQFileInfo DosRead DosQ FileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSet FileInfo DosSet Verify DosWrite DosFileLocks DosSet FHandState DosNewSize DosBufReset DosQFHandState DosSetFSinfo
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGet Huge Shift DosCreateCSAlias
	NLS	DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage
	Date and Time	DosSetDateTime DosGetDateTime
	Devices	DosDevConfig DosDevIOCtl DosDevIOCtl2
	Signals	DosHoldSignal DosSetSigHandler
	Misc	BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass DosSetVec
KBD		KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek
VIO		VioGetBuf VioGetConfig VioGetCurPos VioGetCurType VioGetPhysBuf VioReadCellStr VioReadCharStr VioScrollUp VioScrollDn VioScrollLf VioScrollRt VioScrUnLock VioSetCurPos VioSetCurType VioSetMode VioGetMode VioShowBuf VioWrtCellStr VioWrtCharStr VioWrtCharStrAtt VioWrtNAttr VioWrtNCell VioWrtNChar VioWrtTTY VioScrLock VioPopUp
Tools		BIND
Modules		DOSCALLS.DLL VIOCALS.DLL KBDCALLS.DLL MSG.DLL
Libraries		API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

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