

## KbdRegister

**Bindings:** C, MASM

This call registers a keyboard subsystem within a session.

KbdRegister (ModuleName, EntryPoint, FunctionMask)

*ModuleName* (\*PSZ\*) - input Address of the dynamic link module name. Maximum length is 9 bytes (including ASCIIZ terminator).

*EntryPoint* (**PSZ**) - input Address of the dynamic link entry point name of a routine that receives control when any of the registered functions are called. Maximum length is 33 bytes (including ASCIIZ terminator).

*FunctionMask* (**ULONG**) - input A bit mask where each bit identifies a keyboard function being registered. The bit values are:

| Bit   | Description                    |
|-------|--------------------------------|
| 31-15 | Reserved, must be set to zero. |
| 14    | KbdGetHWId                     |
| 13    | KbdSetCustXt                   |
| 12    | KbdXlate                       |
| 11    | KbdSetCp                       |
| 10    | KbdGetCp                       |
| 9     | KbdFreeFocus                   |
| 8     | KbdGetFocus                    |
| 7     | KbdClose                       |
| 6     | KbdOpen                        |
| 5     | KbdStringIn                    |
| 4     | KbdSetStatus                   |
| 3     | KbdGetStatus                   |
| 2     | KbdFlushBuffer                 |
| 1     | KbdPeek                        |
| 0     | KbdCharIn                      |

*rc* (**USHORT**) - return Return code descriptions are:

|     |                         |
|-----|-------------------------|
| 0   | NO_ERROR                |
| 408 | ERROR_KBD_INVALID_ASCII |
| 409 | ERROR_KBD_INVALID_MASK  |
| 410 | ERROR_KBD_REGISTER      |
| 464 | ERROR_KBD_DETACHED      |
| 504 | ERROR_KBD_EXTENDED_SG   |

### Remarks

There can be only one *KbdRegister* call outstanding for each session without an intervening

KbdDeRegister. [KbdDeRegister](#) must be issued by the same process that issued the *KbdRegister*.

## C bindings

```
#define INCL_KBD

USHORT rc = KbdRegister(ModuleName, EntryPoint, FunctionMask);

PSZ      ModuleName;    /* Module name */
PSZ      EntryPoint;    /* Entry point name */
ULONG    FunctionMask; /* Function mask */

USHORT   rc;            /* return code */
```

## MASM bindings

```
EXTRN KbdRegister:FAR
INCL_KBD EQU 1

PUSH@  ASCIIZ  ModuleName    ;Module name
PUSH@  ASCIIZ  EntryPoint    ;Entry point name
PUSH   DWORD  FunctionMask  ;Function mask
CALL   KbdRegister

Returns WORD
```

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