



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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## KbdOpen

This call creates a new logical keyboard.

### Syntax

```
KbdOpen (KbdHandle)
```

### Parameters

- KbdHandle (PHKBD) - output : Address of the logical keyboard.

### Return Code

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

- 0 NO\_ERROR
- 440 ERROR\_KBD\_NO\_MORE\_HANDLE
- 441 ERROR\_KBD\_CANNOT\_CREATE\_KCB
- 464 ERROR\_KBD\_DETACHED
- 504 ERROR\_KBD\_EXTENDED\_SG

### Remarks

KbdOpen blocks while another thread has the keyboard focus (by way of [KbdGetFocus](#)) until the thread with the focus issues [KbdFreeFocus](#). Therefore, to prevent KbdOpen from blocking, it is recommended that KbdOpen be issued only while the current thread has the focus. For example:

```
KbdGetFocus : wait until focus available on handle 0  
KbdOpen : get a logical keyboard handle  
KbdOpen : get another logical keyboard handle  
KbdOpen : get yet another logical keyboard handle
```

KbdFreeFocus : give up the focus on handle 0.

## Bindings

### C

```
#define INCL_KBD

USHORT rc = KbdOpen(KbdHandle);
PHKBD KbdHandle; /* Keyboard handle */

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

### MASM

```
EXTRN KbdOpen:FAR
INCL_KBD EQU 1

PUSH@ WORD KbdHandle ;Keyboard handle
CALL KbdOpen

Returns WORD
```

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