

MouSetScaleFact

Bindings: C, MASM

This call assigns to the current mouse device driver a new pair of 1-word scaling factors.

MouSetScaleFact (ScaleStruct, DeviceHandle)

ScaleStruct (**PSCALEFACT**) - input Address of the control block structure that contains the current row and column coordinate scaling factors. The scaling factors must be greater than or equal to 1 and less than or equal to (32K - 1).

rowscale (**USHORT**) Row scaling factor.

colscale (**USHORT**) Column scaling factor.

DeviceHandle (**HMOU**) - input Handle of the mouse device from a previous *MouOpen*.

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

| | |
|-----|------------------------|
| 0 | NO_ERROR |
| 385 | ERROR_MOUSE_NO_DEVICE |
| 387 | ERROR_MOUSE_INV_PARMS |
| 466 | ERROR_MOU_DETACHED |
| 501 | ERROR_MOUSE_NO_CONSOLE |
| 505 | ERROR_MOU_EXTENDED_SG |

Remarks

MouSetScaleFact sets the mickey-to-pixel ratio for mouse motion. The row scale and column scale ratios specify a number of mickeys for each 8 pixels. The default value for the row scale is 16 mickeys for each 8 pixels. The default value for the column scale is 8 mickeys to 8 pixels.

The number of pixels moved does not have to correspond 1-to-1 with the number of mickeys the mouse moves. The scaling factor defines a sensitivity for the mouse that is a ratio of the number of mickeys required to move the cursor 8 pixels on the screen. The sensitivity determines at what rate the cursor moves on the screen.

C bindings

```

typedef struct _SCALEFACT { /* mousc */
    USHORT rowScale;           /* row scaling factor */
    USHORT colScale;          /* column coordinate scaling factor */
} SCALEFACT;

#define INCL_MOU

USHORT rc = MouSetScaleFact(ScaleStruct, DeviceHandle);

PSCALEFACT ScaleStruct; /* 2-word structure */

```

```
HMOU           DeviceHandle; /* Mouse device handle */  
USHORT         rc;          /* return code */
```

MASM bindings

```
SCALEFACT struc  
    mousc_rowScale dw ? ;row scaling factor  
    mousc_colScale dw ? ;column coordinate scaling factor  
SCALEFACT ends  
  
EXTRN MouSetScaleFact:FAR  
INCL_MOU EQU 1  
  
PUSH@ OTHER ScaleStruct ;2-word structure  
PUSH WORD DeviceHandle ;Mouse device handle  
CALL MouSetScaleFact  
  
Returns WORD
```

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