

# 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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Last update: **2016/09/15 04:50**

