

## Mouse User's Manual

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### FCC Statement on CLASS B

Note: This equipment has been tested and found to comply with the limits for a CLASS B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- \* Reorient or relocate the receiving antenna.
- \* Increase the separation between the equipment and receiver.
- \* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- \* Consult the dealer or an experienced radio TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference.
- (2) this device must accept any interference received, including interference that may cause undesired operation.

## 1. Hardware Installation

### 1-1. Installing a Serial Mouse

You must have a PC fitted with a serial port (COM1/COM2) in order to install the mouse. Plug your mouse into the serial port.

### 1-2. Installing a Mouse with Mouse Port (PS/2) Connector

If you have a mouse with a round mouse port connector, you must turn off the computer before connecting or disconnecting your mouse.

### 1-3. Installing a Combo Mouse

The Combo Mouse comes with a PS/2 (DIN 6) cable connector, together with a PS/2 -> Serial (COM 9) port adapter.

Before plug your mouse into the computer, try to make sure what kind of mouse port you have. If you have a PS/2 port, plug in the original PS/2 cable connector; if you have a Serial port, please connect the adapter first to the cable, then plug into the Serial port.

1. Turn the computer off.
2. Locate an available 6-pin round port on your computer.
3. Insert the mouse connector into the round mouse port.
4. Start your computer.

### 1-4. Installing a Bus Interface Board and Bus Mouse

If you have a bus mouse, you need to install the bus interface board into your computer. Next you will need to connect the mouse to the bus port.

#### The Bus Interface Board Jumpers

The J1 J2 J3 J4 jumper controls interrupts in your system. Interrupt are temporary breaks in the sequence of a program caused by various I/O devices, such as keyboard, drawing devices, and printers. Generally, two devices connected to the same computer cannot use the same interrupt. You must specify a mouse interrupt that does not interfere with the other devices connected to your computer. The jumper refer to interrupts in the system (IRQs). If you should change the jumper. Cross out the positions you cannot use due to the type or configuration of your system. Then place the removable plastic hood on any position. The default setting is IRQ5.

## 2. Mouse Driver Installation

## 2-1. Mouse Driver for DOS

(1) Insert the mouse driver diskette in Drive A (or B). Type the following:

```
A: <Return>
```

(2) On the diskette are files required for the correct installation of the software. Type the following :

```
DOSINST <Return>
```

Follow the on-screen instructions properly.

(3) Driver Software Options

The mouse driver has several software options. To see these detailed options on the screen by typing :

```
mouse / ?
```

(4) Uninstalling the DOS Mouse Driver

This is done by typing in the following command:

```
mouse /0
```

from the DOS prompt.

## 2-2. Mouse Driver for Windows 3.1 & Windows NT 3.51

To install Mouse Driver for Windows 3.1( or NT 3.51 ), insert the floppy into the drive, click on File in Program Manager, select Run, and type

```
A:\SETUP.EXE
```

if you insert the Mouse Driver Disk in drive A.  
or type

```
B:\SETUP.EXE
```

if you insert the Mouse Driver Disk in drive B.

Follow the instructions on the screen.

2-3. Mouse Driver for Windows 95, Windows 98 & Windows NT 4.0

To install Mouse Driver for Windows 95 ( or NT 4.0 ), insert the floppy into the drive, click on the Start button, select Run, and type

A:\SETUP.EXE

if you insert the Mouse Driver Disk in drive A.  
or type

B:\SETUP.EXE

if you insert the Mouse Driver Disk in drive B.

Follow the instructions on the screen.

2-4. Remove the Windows Mouse Driver

(1) In the Mouse Driver folder opened on installation, Click the "Uninstall" icon, and follow the instructions on the screen.

(2) The "Uninstall" process will prompt you to change the Mouse Driver at last step. If you do not change the Mouse Driver, the uninstallation will not remove the Mouse Driver in order to prevent your mouse from inactivation when you restart your computer again. But you can follow the steps below to change the Mouse Driver latter before you restart your computer.

(A) Windows 3.1 ( or NT 3.51 ):

a) Double click on the "Windows Setup" icon in the Main Group.

b) Select "Options".

c) Select "Change System Setting..." in Windows 3.1,

Select "Change Mouse or Keyboard..." in Windows NT 3.51.

d) Select "Mouse:\".

e) Choose the new mouse driver you require. This will override any previous settings.

- (B) If you are running Windows 95 (or NT 4.0) do the following:
- a) Select "Start".
  - b) Select "Settings".
  - c) Select "Control Panel".
  - d) Select "Mouse" icon.
  - e) Select "General".
  - f) Select "Change".
  - g) Select a new mouse driver that meets your new requirements.
- The new setting will over-ride the old ones.

- (C) If you are running Windows 98, follow the step below
- a) Select "Start"
  - b) Select "Settings"
  - c) Select "Control Panel"
  - d) Select "System" icon
  - e) Select "Device Manager"
  - f) Select "Mouse"
  - g) Select your mouse device
  - h) Select "Properties"
  - i) Select "Driver"
  - j) Select "Update Driver"
  - k) When "Update Device Driver Wizard" popping, Select "Next"
  - l) Select "Display a list of all the drivers in a specific location, so you can select the driver you want"
  - m) Select a new mouse driver that meets your new requirements.
- The new setting will over-ride the old ones.

### 3. Switching Mouse Mode

#### 3-1. Switching Mouse Hardware Modes (Use mode switch)

The Serial Mouse is capable of operating either as a Microsoft Serial Mouse or a Mouse Systems Mouse. At the base of the Mouse you will find a slide switch. The switch has two possible positions, 'MS' and 'PC' When the switch is set to the 'MS' position the Mouse will emulate a two-buttoned Microsoft Mouse while setting the switch to the 'PC' position will cause the Mouse to emulate a three-buttoned Mouse Systems Mouse.

### 3-2. Switching Mouse Hardware Modes (None mode switch)

As mentioned earlier, the serial mouse is capable of operating either as a Microsoft Serial Mouse or a Mouse Systems Mouse. Which of the two modes the mouse will operate in is determined on the power-on initialization. If any one of the three buttons is depressed during power-on initialization, the mouse will emulate Mouse Systems Mouse. While none of the buttons is depressed during power-on initiation the mouse will emulate Microsoft Mouse.

### 3-3. Microsoft Mode

When the mouse is in Microsoft mode, only the left and right buttons are active, while the middle button is ignored. In this mode, your mouse will correctly emulate a Microsoft Serial Mouse.

### 3-4. Mouse Systems Mode

If you are a user of AUTOCAD or any other software which gives enhanced performance with a Mouse Systems Mouse you should choose this emulation. A Mouse Systems Mouse operates with all three buttons.

Note: Because Windows 95 and Windows NT supports serial 'MS' mouse mode, you had better switch the mouse to 'MS' mode when first install the mouse driver in package. After completing the installation, you can switch to 'PC' mouse mode when restart the computer.

## 4. Trouble Shooting

Symptom 1 : No mouse movement.

Solution : - Make sure the software that you are using supports a mouse.  
- Check that mouse is plugged into serial port at the back of computer.  
- Ensure that mouse driver is installed into memory.

Symptom 2 : The cursor on the screen remains at one spot or moves erratically.

Solution : Check the mouse cable for any breaks or sharp twists. Examine the cable closely where it connects to the mouse.

Symptom 3 : The cursor movement stops at a corner and no longer responds to the mouse movement.

Solution : Run the mouse driver to check which mode the mouse is operating in.

Symptom 4 : Mouse movement does not produce corresponding cursor movement or there is a brief pause during movement.

Solution : Clean the silicon rubber-coated ball and rollers.

Symptom 5 : After had selected mouse type for Windows 95 ,the mouse would be disable when you clicked "OK" .

Solution : Using keyboard to close the current window and wait for Windows 95 to give any instruction to restart your computer. After restart Windows 95 the mouse will work normally.

INFORMATION TO THE USER  
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This booklet is available from the US government Printing Office  
\*Washington, DC 20402, Stock NO. 004-000-00345-4.

**CAUTION:** Any changes of modifications not expressly approved by the grantee of this device could void the users authority to operate the equipment.