

# MouseTablet User Manual



WinPal Electronics Corp.

November, 1997

# Notices

## FCC Notice

This equipment generates and uses radio frequency energy and if not installed and used in accordance with the manufacturer's instructions, it may cause interference to radio and television reception. This equipment has been tested and certified to comply with the limits for a Class B computing device, pursuant to subpart J of Part 15 in the FCC Regulations, which are designed to provide reasonable protection against such interference in a residential installation.

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 methods.

- \* Reorient the receiving antenna.
- \* Relocate the computer with respect to receiver.
- \* Plug the computer into a different power outlet so the computer and receiver are on different branch circuits.

If necessary, the user should consult with the dealer or an experienced radio/television technician for additional suggestions. The user may find the following Federal Communications Commission booklet helpful:

" How to Identify and Resolve Radio-TV Interference Problems."

This booklet is available from the US Government Printing Office, Washington DC, 20402, Stock Number 004-000-00345-4.

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# Contents

Chapter 1	Introduction .....	1
Chapter 2	Installation	
	Unpacking.....	2
	Installing the hardware.....	3
	Installation guide for notebook computers.....	6
	Installing the driver disk.....	7
Chapter 3	Customizing	
	Accessing parameters windows .....	9
	Adjusting the mapping area .....	10
	Further configuration controls.....	11
Chapter 4	Questions and Answers	
	What do I need to use the Mouse Tablet?.....	12
	How do I switch between the pen to the mouse?..	12
	What are the buttons on the stylus pen for?.....	12
	What are absolute and relative coordinators?.....	12
	How do I remove the driver from my system?.....	13
Chapter 5	Troubleshooting	
	The tablet LED light is not on .....	14
	The cursor does not respond .....	14
	The cursor movements are erratic .....	14
	The cursor tracking is off center .....	15
	There is no cursor .....	15
	Other problems .....	15
Chapter 6	How to take care of the Mouse Tablet .....	16
Chapter 7	Specifications .....	17

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# Introduction

## Welcome to the Mouse Tablet.

The Mouse Tablet is an easy-to-use data entry device that combines the precision control of a stylus pen with the flexibility and comfort of a mouse. Both the mouse and the pen control the cursor.

The stylus pen functions just like a pen or pencil and a piece of paper. The pen is capable of all the functions of a mouse, but it is much more precise. Have you ever tried to write your name with a mouse? It is close to impossible, but with the pen it is easy.

The mouse portion of the Mouse Tablet functions like any other mouse, but it does not have a track ball. This makes it more precise and more comfortable.

## How it works.

It is easy to switch from the stylus pen to the mouse. To use the pen, simply click once with the pen tip. To use the mouse, click on the left button. You do not have to change any plugs or move any switches.

## Suggested uses for the stylus pen.

The stylus pen is a powerful drawing tool. It will remarkably increase the flexibility and possibilities of almost any software program that involves art, design, or precision pointing.

- \* Free hand drawing
- \* Computer-aided design
- \* Tracing graphics, photographs, or works of art
- \* Picking commands on a template
- \* Video and photo editing
- \* Desktop publishing
- \* Calligraphy
- \* Handwriting and signature recognition
- \* Teaching children how to use a computer.
- \* Creating reports, presentations, and graphs.

# Installing the hardware

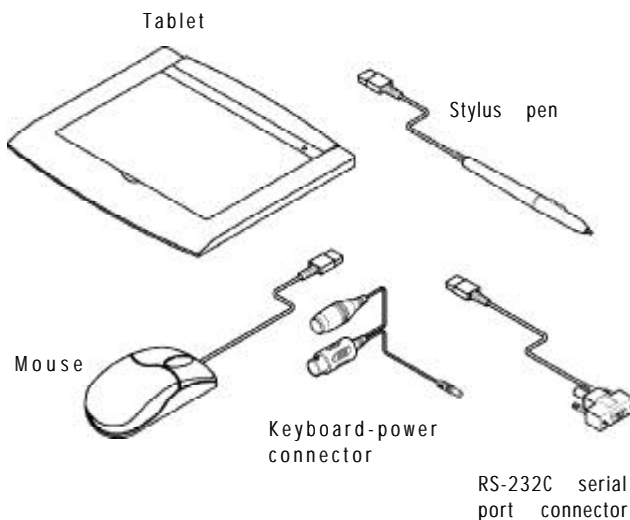
## System Requirements

- \* IBM-compatible PC with 80386 CPU or higher
- \* Windows 3.1 or Windows 95
- \* Standard serial port
- \* At least 4 MB of DRAM
- \* At least 2 MB of free hard disk space

## Unpacking

The following are the main items that make up the Mouse Tablet:

1. Tablet
2. Stylus pen
3. Mouse
4. Keyboard power connector
5. RS-232C serial port connector



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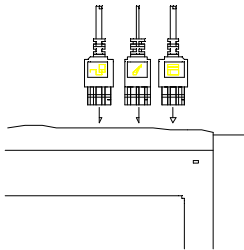
- \* The Mouse Tablet also comes with a set of PS/2 cords (the smaller set of cords) and a pen holder.
- \* There should also be a tablet driver disk.
- \* The Mouse Tablet may also include accessories such as a 9-to-25 pin converter and/or a 5V DC power adapter (See page 5 for more information about the 9-to-25 pin converter.)

# Installing the hardware

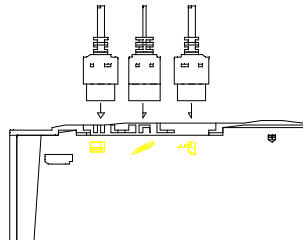
## Putting the Mouse Tablet together.

The Stylus pen, the Mouse, and the RS-232C serial port connector need to be plugged into the tablet.

**Warning:** The three plugs must be placed in the correct slot. Also be sure that the patterns are facing the **TOP** of the tablet. The plugs will fit if they are upside down, but they will not be able to provide function to the tablet.

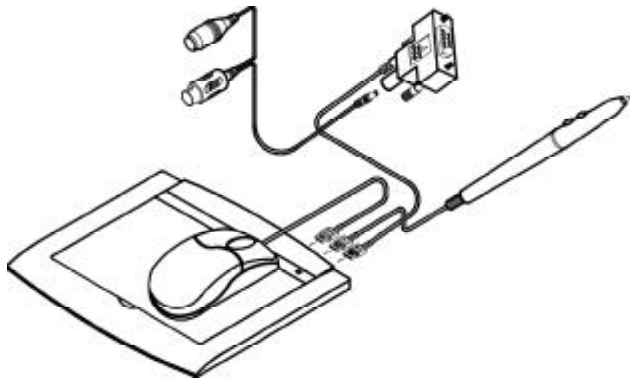


Top of the tablet



Back of the tablet

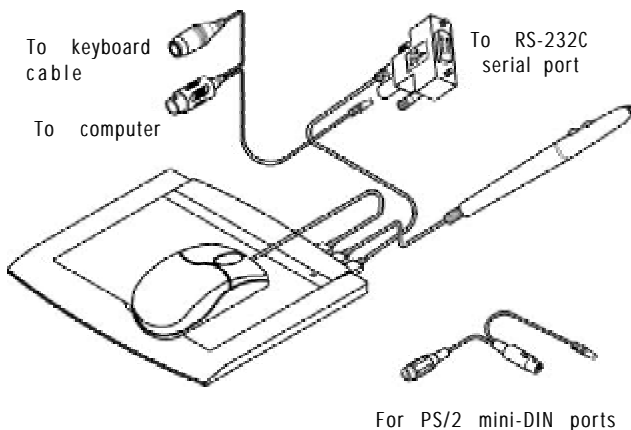
Make sure the Stylus Pen, the Mouse, and the power cord are plugged into the correct slots.



Please see next page to connect the Mouse Tablet to your computer.

# Installing the hardware

The Mouse Tablet should look like this.



## Step-by-step installation guide.

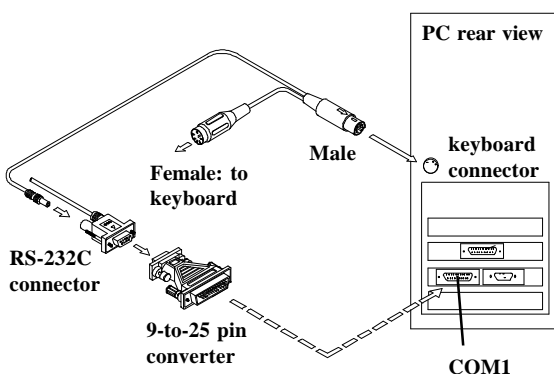
1. Turn off your computer.
2. Unplug the keyboard cable from your computer. (If you have a notebook computer or another kind of computer with an internally connected keyboard, please turn to page 6.)
3. Plug the keyboard cable into the female Keyboard-power connector.
4. Plug the male Keyboard-power connector into the keyboard interface of your computer (where the keyboard was plugged in.)
5. Plug the power jack (the smallest of the three plugs) into the back of the RS-232C serial port. This may have already been done in some models.
6. Plug the RS-232C serial port connector into the COM1 or COM2 port in the back of the computer.

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\* Your computer's COM ports may have a 25-pin connection. If this is the case, you will need to use a 9-to-25 pin converter. (Please see next page.)

# Installing the hardware

How to connect the Mouse Tablet to your computer.

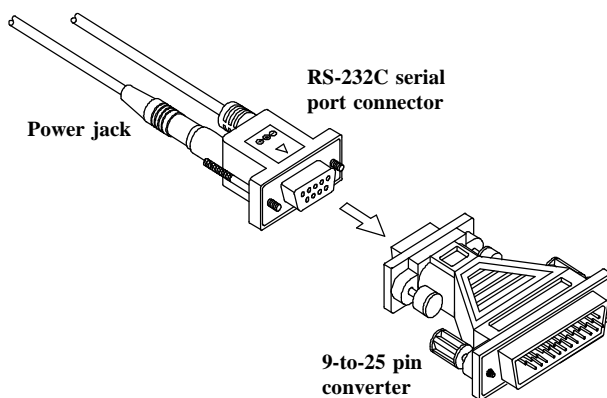


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If your computer has extra COM ports, you must use COM1 or COM2 for the Mouse Tablet to work correctly.

Also, the 9-to-25 pin converter only needs to be used if your COM outlets have a 25-pin connection. If this is the case, plug the RS-232C data connector into the pin converter.

How to use the 9-to-25 pin converter.



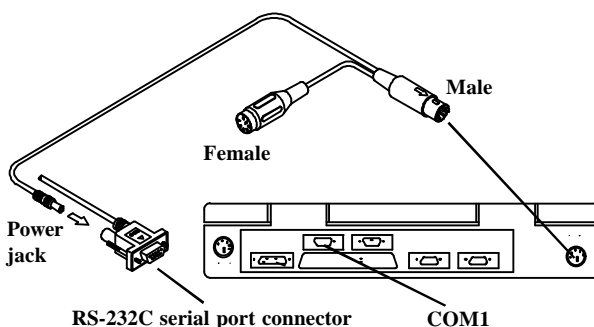


# Installing the hardware

## Installation guide for notebook computers.

Installing a Mouse Tablet into most notebook computers is almost the same as using a regular computer.

The main difference is that you need to use PS/2 cords – these are the smaller set of cords. Also, most notebook computers usually do not have an external keyboard power cord.



1. Turn off your computer.
2. The RS-232C serial port connector comes attached to the larger power cords in most models. To use the PS/2 cords, unplug the power jack from the back of the data connector and replace it with the power jack on the PS/2 cords.
3. Plug the RS-232C serial port connector into the COM1 or COM2 serial port.
4. Plug the male Keyboard-Power connector into the keyboard interface of your computer.

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- \* Your computer's COM ports may have a 25-pin connection. If this is the case, use the 9-to-25 pin converter. (See picture on page 5)
- \* The female Keyboard-Power connector will usually not be used. It is only used when connected to an external keyboard cable.

# Installing the software

## Installation guide for driver disk.

**Warning:** Before installing the driver disk for the Mouse Tablet, please make sure you do not have a previous pen tablet or digitizer driver in your system.

If you have previously installed a pen tablet, you must first unplug it and delete the old driver from your computer. There should be instructions for this in your previous tablet user guide.

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Be sure to make a backup copy of the Mouse Tablet driver disk. When you install the driver, use the backup copy and store the original in a safe place.

## Installation guide for Windows 95.

1. Turn your computer on.
2. Insert the tablet driver disk into the A or B drive.
3. Press "Start", then "run".
4. A prompt screen will appear  
Type "A: (or B:) \Win95\Setup".



5. Press enter.
6. You will see a window welcoming you to the setup program. Follow the on screen prompts to finish installing the software.

# Installing the software

## Installing the driver disk for Windows 3.1.

1. Turn on your computer.
2. Insert tablet driver disk into A or B drive.
3. Open "Program Manager."
4. Press "File" (at top of your screen) and select "Run" option.
5. A prompt screen will appear.  
Type "A: (or B:) \Win31\Setup".
6. Press enter.
7. You will see a window welcoming you to the setup program. Follow the onscreen prompts to finish installing the software.

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- \* If you are using Windows 3.1 and you do not have a mouse driver previously installed, you will have to modify the tablet driver. Follow these steps:

1. Open the "System.ini" file. This file is usually under "Windows" or "Win3.1."
2. About one third of the way into the file is a line that reads:

**mouse.drv=mouse.drv**

Add a ";" at the start of this line.

**;mouse.drv=mouse.drv**

3. Type **mouse.drv=yesmouse.drv**
4. You will then have to reinstall the driver disk.

## Installing the driver disk under DOS.

DOS users can run the driver disk directly from their disk drive, or you can install the driver on your hard drive. To install the driver, follow these steps:

1. Insert the driver disk (or a backup) into the A: or B: floppy disk drive.
2. Make a directory on your hard disk to store the driver disk files. For example, MD TABLET.
3. Open the new directory. For example, CD TABLET.
4. Copy the file **RUNNER\WTMN.COM** into your hard drive.

# Customizing the Mouse Tablet

How to access the Mouse Tablet parameters window.

You can customize the Mouse Tablet in several ways.  
For Windows 95:

open "My Computer | Control Panel".

For Windows 3.1:

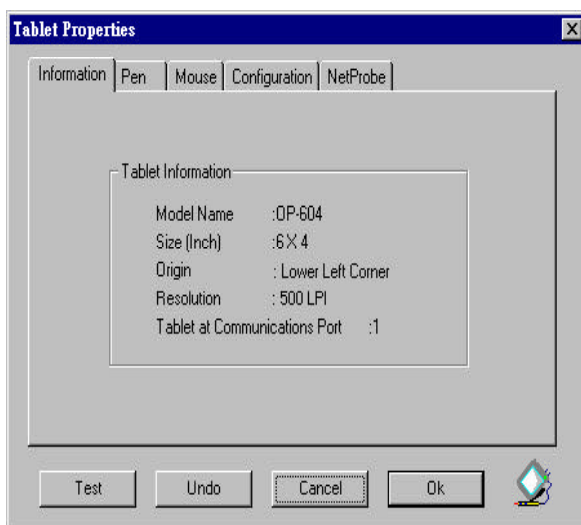
open "Control Panel"

Look for this icon.



**Tablet**

Double click on the tablet icon to open the **Tablet Properties** window.



There are four folders inside the Tablet Properties file: **Information**, **Pen**, **Mouse**, and **Configuration**.

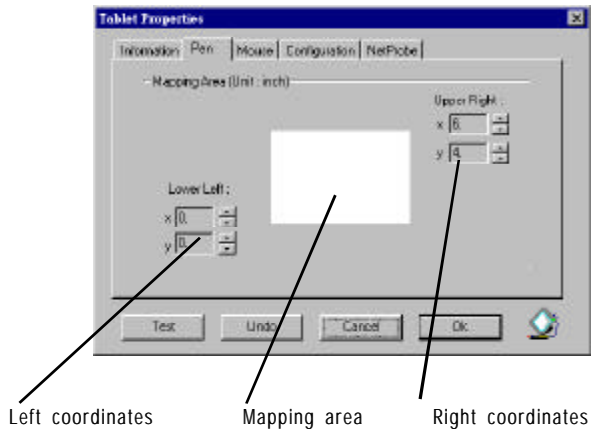
The Information folder (pictured above) displays the basic specifications for the MouseTablet. These specifications can not be changed.

(Please see next page for information on adjusting the MouseTablet's parameters.)

# Customizing the MouseTablet

Adjusting the mapping area for the stylus pen.

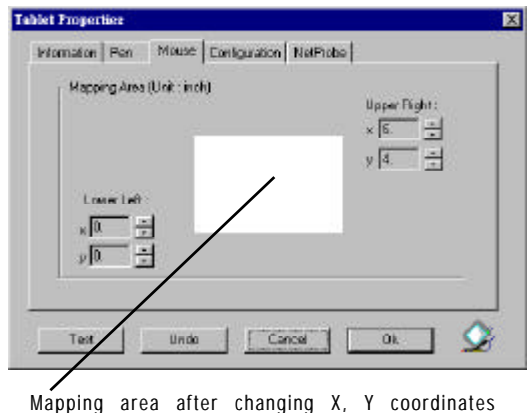
To adjust the Mapping Area for the stylus pen, click on the Pen folder.



You can change the mapping, or working, area of the tablet for both the mouse and the stylus pen. By adjusting the X and Y coordinates for the Lower left corner, or the Upper right corner, you can customize the borders of the tablet.

The white area in the middle of the screen is the tablet mapping area." This will change as the X and Y coordinates change. See picture below for adjusting the mouse Mapping area.

Adjusting the mapping area for the mouse.



# Customizing the MouseTablet

Adjusting the configuration settings.



## Pen Operations Mode:

The stylus pen can be set to operate in absolute or relative mode. The mouse is fixed in relative mode.

Absolute mode means the tablet corresponds exactly to the computer screen. If you move the pen to the corner of the tablet, your cursor will go to the corner of the screen. Relative positioning is like using a standard mouse, where the cursor changes according to the relative movement of the pen.

## Double Click Speed:

Double clicking allows you to highlight files. Adjusting the speed will affect both the pen and mouse.

## Report Rate:

The "Full Speed" setting increases the rate that the pen and mouse transmit data. With some software, this will make your drawings smoother, but the files will be larger. Half speed is the default setting.

## Pointer Motion Speed:

This setting alters the way your monitor's cursor corresponds to the movement of the pen or mouse.

## Swap Button:

This setting switches the functions of the pen tip with the button on the pen's barrel nearest to the tip.

# Questions and Answers

What do I need to use the Mouse Tablet

The hardware requirements for the Mouse Tablet are:

- \* An IBM-compatible PC with 80386 CPU or higher
- \* DOS 3.1 or higher
- \* A standard serial port
- \* At least 4 MB of DRAM
- \* At least 2 MB of free hard disk space.

How do I change from the mouse to the pen (or vice versa)?

It is easy to switch from the stylus pen to the mouse. To use the pen, simply click once with the pen tip. To use the mouse, click on the left button.

What are the buttons on the stylus pen used for?

Buttons on the stylus pen are the same as buttons on a mouse. The pen tip is just like the left button on a mouse. The button on the pen that is near the tip corresponds to the button on the right side of a mouse. The button near the base of the pen is the same as the button in the middle of a mouse.

What are absolute and relative coordinators?

An absolute coordinator means that the tablet corresponds completely with the computer monitor.

In other words, when you touch the pen to one corner of the tablet, the cursor on your computer monitor moves to that same corner. If the pen is touching the middle of the tablet, the cursor goes to the middle of the monitor.

A relative coordinator is like a mouse. The cursor will move in a direction from wherever it started from. If the cursor is at the bottom of the screen and you push up with the mouse, the cursor will move upwards

# Questions and Answers

How do I  
remove the  
driver from my  
system?

There are different ways to remove the Mouse Tablet driver from your system, depending on your version of Microsoft Windows.

**Warning:** If you follow these directions, you will have to reinstall the Mouse Tablet if you want to use it again.

**For Windows 95:**

1. Press "Start" button.
2. Select "Run" option.
3. A prompt screen will appear.  
Type "C:\Win95\System\Remove"
4. You must reboot your computer to complete the removal process.

**For Microsoft Windows 3.1:**

1. Press "Control Panel."
2. A window will appear. Select "Drivers" item (double click.)
3. A new window will appear. Select "PenTablet Tablet Driver Version 4.4".
4. Press "Remove" button
5. A warning message will appear. Press "Yes" if you want to remove the driver.
6. You must reboot your computer to complete the removal process.



# Troubleshooting

The tablets LED light is not on.

- \* Make sure the male connector of the keyboard adapter cable is plugged into the keyboard connector.
- \* Make sure the power jack of the keyboard-power cable is plugged into the RS-232C data connector.
- \* If the LED light still does not turn on, you may have a defective keyboard/power adapter cable. Please contact your dealer to change the cable with a new one.

The cursor does not respond.

- \* Check power sources. Make sure everything is connected properly.
- \* Check to see if your tablets LED light is on.
- \* Make sure the driver and application software have been installed correctly.
- \* Contact your dealer about possible faulty equipment.

The cursor jumps when the stylus pen is moved.

- \* The tablet may be picking up interference from another electromagnetic source. Move the tablet slightly away from your monitor or any other possible jamming source.
- \* Make sure the tablet settings are in accordance with the driver and application software requirements.

# Troubleshooting

The cursor's tracking is not centered.

- \* The tip of the stylus pen may not be fitted properly. Make sure all the parts of the pen are secure.
- \* The VGA display driver may not be set properly for your system. Please check to see if the VGA display is able to work with your system.

There is no cursor.

- \* Check power sources. Make sure everything is connected properly.
- \* The tablet is fixed at an IRQ (Interrupt Request line) setting of 4 for COM1, and 3 for COM2.

Windows 3.1 users can adjust their IRQ setting by opening Control Panel / COM1 or COM2. The setting for Windows 95 is automatic and cannot be changed.

Any other problem.

- \* If the Mouse Tablet still remains non-operative, contact your dealer.

# Taking care of your tablet

## Things you should do.

- \* Make sure the Mouse Tablet is always stored in an area between 41 to 104 degrees Fahrenheit, or 5 to 40 degrees Celsius, and between 10 to 80 per-cent relative humidity.

The Mouse Tablet may not operate if it is placed in an environment that is beyond the operating range stated above.

## How to clean your tablet.

- \* Disconnect the tablet from its power source before cleaning.'
- \* Never immerse any part of the Mouse Tablet in any kind of liquid.
- \* Remove dust and stains with soft cloth dampened with water or neutral detergent.
- \* Do not use volatile or chemical liquids such as thinner or benzine to clean the tablet.

Never place anything hot (like a coffee cup) on your tablet.

# Specifications

Model	MT-604C : "Mouse Tablet"
Active Area	6 x 4 inches 152 x 101.6 mm
Resolution	100-4064 lpi
Accuracy	+/- 0.01 inch (0.25mm)
Proximity	0.5 inch for pointers
Report Rate	Up to 200 reports per second
Technology	Electromagnetic
Certifications	FCC Class B, CE
Data Format	Packed binary or ASCII BCD
Interface Type	Asynchronous RS-232C
Baud Rate	Up to 19200
Frame	1 start bit, 8 data bits, odd parity bit, 1 stop bit
Dimensions: in mm	200 x 230 x 9 mm
Weight	480.5 gm
Operation Temp.	5° to 40°C (32° to 113°F)
Storage Temp.	-10° to 60°C (14° to 140°F)
Humidity	10% to 80% Non-condensing
Standard Accessories	Stylus pen, mouse, tablet, Keyboard-power cable, PS-2 cable, RS-232C serial port connector, Driver disk, Users manual.
Optional Accessories	5V DC Power Adapter, 9-to-25 Pin Converter