

FCC ID: 0ALJME-3310  
E495847  
ACS99-F004

**PRESSURE-SENSITIVE**

**PEN TABLET**

# **USER'S MANUAL**

**FOR IBM PERSONAL COMPUTERS AND COMPATIBLES**

**PLUG & PLAY FOR WINDOWS 95/98**

FCC ID: WAL5ME-3310  
EA 95847 / KEYBOARD

AC399-500

## PRESSURE-SENSITIVE PEN

### TABLET

#### FEDERAL COMMUNICATIONS COMMISSION STATEMENT

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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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 harmful 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.

**FCC WARNING:** Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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## OVERVIEW

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Welcome to the world of pen-based computing! You will soon discover how easy it is to control the computer using a pen instead of a mouse. Since all the Pen Tablet models described in this manual are pressure-sensitive, you would feel like you are using a soft-tip pen rather than a hard-tip one. You will also be able to draw, sketch or paint on your computer as easily as you would on paper, using appropriate software such as PhotoImpact, PhotoShop, and Painter.

This manual describes mainly how you may install the Pen Tablet, as well as how to configure it to best suit your use. It covers the following Pen Tablet models:

### Pen Tablets:

- ✓ *Cordless Pressure-Sensitive Pen Tablet (WP Series)*
- ✓ *Corded Pressure-Sensitive Pen Tablet (PP Series)*

### Pen Keyboards:

- ✓ *Pen Keyboard with Cordless Pen (KW Series)*
- ✓ *Pen Keyboard with Corded Pen (KP Series)*

### Keyboards with Pen Tablet:

- ✓ *Keyboard with Cordless Pen Tablet (WK Series)*

- ✓ *Keyboard with Corded Pen Tablet (PK Series)*

This manual is applicable to Driver Software Version 3.1.

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## ITEMS IN THE PACKAGE

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A *Cordless Pressure-Sensitive Pen Tablet (WP Series)* comes packaged with the following items:

- ✓ One Tablet Plate with a cable connected with an RS-232 Connector and two Keyboard Connectors
- ✓ One pressure-sensitive Cordless Pen
- ✓ Zero or One Pen Holder
- ✓ Zero or One Keyboard Adaptor
- ✓ One Driver Diskette or CD
- ✓ One User's Manual (this manual)

A *Corded Pressure-Sensitive Pen Tablet (PP Series)* comes packaged with the following items:

- ✓ One Tablet Plate with a cable connected with a pressure-sensitive Corded Pen, and another

cable connected with an RS-232 Connector and two Keyboard Connectors

- ✓ Zero or One Keyboard Adaptor
- ✓ One Driver Diskette or CD
- ✓ One User's Manual (this manual)

*A Pen Keyboard with Cordless Pen (KW Series) comes packaged with the following items:*

- ✓ One keyboard with a Built-in Tablet Plate and a cable connected with a Keyboard Connector and an RS-232C Connector
- ✓ One pressure-sensitive Cordless Pen
- ✓ Zero or One Pen Holder
- ✓ Zero or One Keyboard Adaptor
- ✓ One Driver Diskette or CD
- ✓ One User's Manual (this manual)

*A Pen Keyboard with Corded Pen (KP Series) comes packaged with the following items:*

- ✓ One keyboard with a Built-in Tablet Plate, a cable connected with a pressure-sensitive Corded Pen, and another cable connected with a Keyboard Connector and an RS-232C Connector

- ✓ One Detachable Pen Rest (optional)

- ✓ Zero or One Keyboard Adaptor
- ✓ One Driver Diskette or CD
- ✓ One User's Manual (this manual)

*A Keyboard with Cordless Pen Tablet (WK Series) comes packaged with the following items:*

- ✓ One Tablet Plate with a cable connected with a Tablet-to-Keyboard Connector
- ✓ One Keyboard with a cable connected with a Keyboard Connector, and a port to accept the Tablet-to-Keyboard Connector
- ✓ One pressure-sensitive Cordless Pen
- ✓ Zero or One Pen Holder
- ✓ Zero or One Keyboard Adaptor
- ✓ One Driver Diskette or CD
- ✓ One User's Manual (this manual)

*A Keyboard with Corded Pen Tablet (PK Series) comes packaged with the following items:*

- ✓ One Tablet Plate with a cable connected with a pressure-sensitive Corded Pen, and another cable connected with a Tablet-to-Keyboard Connector

- ✓ One Keyboard with a cable connected with a Keyboard Connector and a Tablet Port to accept the Tablet-to-Keyboard Connector
- ✓ Zero or One Keyboard Adaptor
- ✓ One Driver Diskette or CD
- ✓ One User's Manual (this manual)

### SYSTEM REQUIREMENTS

- ✓ IBM PC or compatible with Intel 80386 or equivalent or above
- ✓ DOS 5.0 or above; Windows 3.1 or above; Windows 95, 98, or NT
- ✓ At least 4M bytes of hard disk space for software installation
- ✓ At least 4M bytes of RAM (8M bytes recommended)
- ✓ *Microsoft Windows 95, Windows 98, or Windows NT 4.0* for Pressure Sensitivity, supported through a Wintab-compatible interface

### INSTALLING PEN TABLET (WP & PP)

Before attempting to install the Pen Tablet on your computer, please check that the system requirements as described above are all met, and that all items listed on page 2 are present.

You attach the Pen Tablet to the computer by inserting the Pen Tablet's Keyboard Connectors, between the keyboard and the computer, and by connecting the Pen Tablet's RS232C Connector to an available COM (serial) port. The procedure is described below.

(1) Shut down Windows and turn off the power of your PC.

(2) Examine the parts of the Pen Tablet, as shown in Figure 1 below.

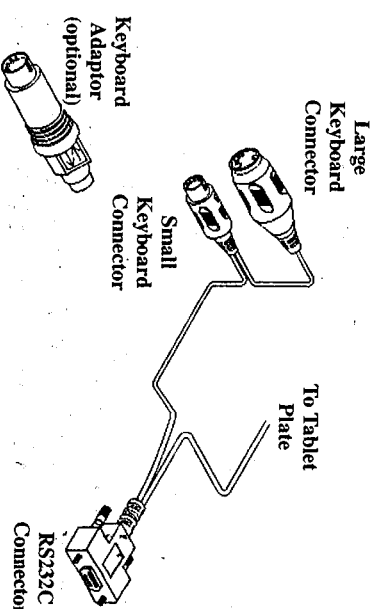


Figure 1 Parts of the Pen Tablet for connecting to the PC

(3) If you have a desktop PC, locate where the Original Keyboard Connector attaches to the computer. In Figure 2 below, we assume it is in the back of the PC. What you do next depends on the type of the Original Keyboard Connector. On the other hand, if you have a notebook PC, go to Step (6). At any rate, detach the keyboard first.

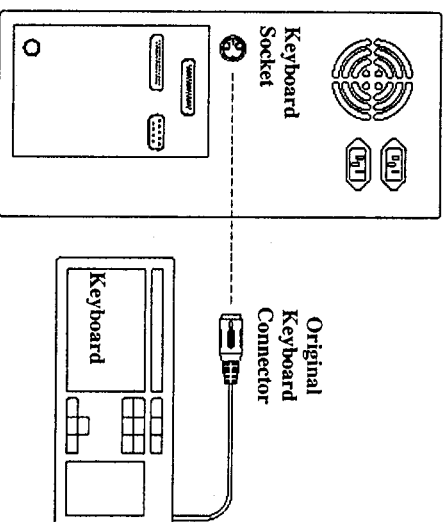


Figure 2 How the keyboard is connected to a desktop PC before installing the Pen Tablet

(4) If you have a desktop PC with a regular keyboard (See Figure 3 below), connect the Original Keyboard Connector to the Large Keyboard Connector, and connect the Small Keyboard Adaptor to the Keyboard Adaptor's small end. You then connect the large end of Keyboard Adaptor to the PC at the Keyboard Socket, to which the keyboard was

originally attached. See Figure 3 below. Go to Step (7).

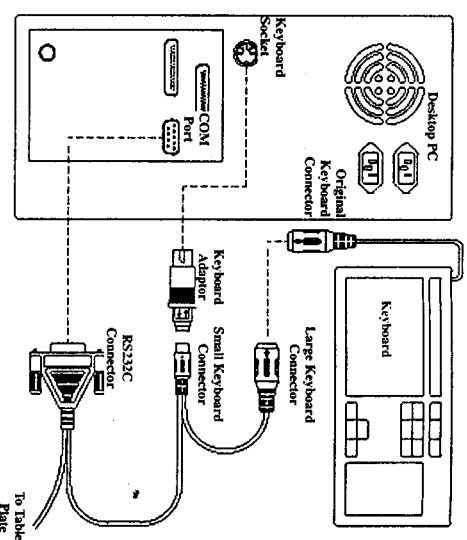


Figure 3 How the Pen Tablet is attached to a desktop PC with a regular keyboard

(5) If you have a desktop PC with a PS/2 keyboard (See Figure 4 below), connect the Original Keyboard Connector to the small end of the Keyboard Adaptor, and connect the large end of Keyboard Adaptor to the Large Keyboard Connector. You then connect the Small Keyboard Connector to the PC at the Keyboard Socket to which the keyboard was originally attached. Go to Step (7).

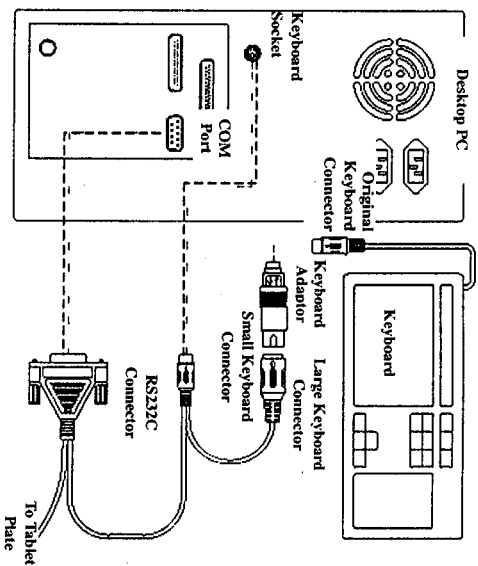


Figure 4 How the Pen Tablet is attached to a desktop PC with a PS/2 keyboard

- (6) If you have a notebook PC, connect the Small Keyboard Connector to the PS/2 Port. If there is an external keyboard (assuming it is a PS/2 keyboard), and you wish to keep it, you should then attach the Original Keyboard Connector to the small end of the Keyboard Adaptor, and connect the other end of the Keyboard Adaptor to the Large Keyboard Connector. See Figure 5 below. Go to Step (7).

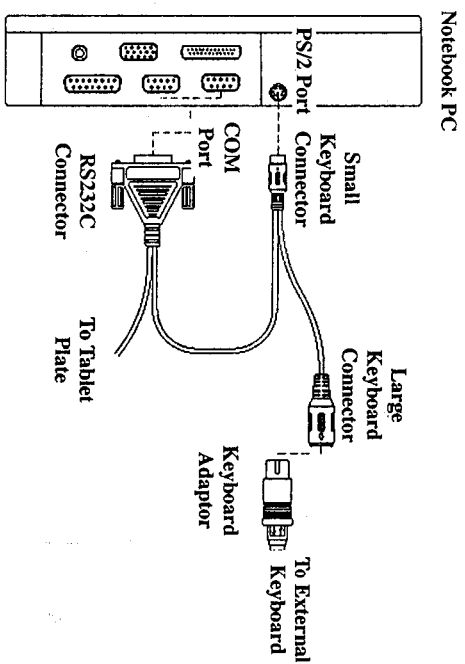


Figure 5 How the Pen Tablet is attached to a notebook PC

- (7) Take the 9-pin RS-232C Connector running from the Tablet Plate and insert it into COM1 port of the computer. If COM1 is in use, for example, by a mouse, you may plug into COM2 port instead. In this case, since most COM2 ports require a 25-pin connector, you will need to find a 9-pin-to-25-pin adaptor. Also, if your computer has a built-in modem using one of COM1, COM2, COM3, and COM4 ports, please seek help from a professional to ensure that the Pen Tablet can indeed use an unused serial port. The Pen Tablet requires a free COM port to operate, and it can co-exist with a mouse and/or a modem connected to a different COM port not in conflict with the port used by the Pen Tablet. If the mouse uses a PS/2 port, it will not conflict with any COM ports.



(8) Turn power on and wait for Windows to start up.

(9) Verify that the Pen Tablet hardware functions properly as described on page 13.

The hardware installation is now complete. Please proceed to install the Driver Software that provides pointing device function and Pressure Sensitivity (through a Wintab-compatible interface), and the PenBoard Program that allows you to enter signature and simple drawings with the Pen.

### INSTALLING PEN KEYBOARD (KW & KP)

Before attempting to install the Pen Keyboard on your computer, please check that the system requirements as described on page 5 are all met, and that all items listed on page 2 and page 3 are present.

You attach the Pen Keyboard to the computer by connecting the RS-232C Connector to an available COM (serial) port and connecting the Keyboard Connector to the Keyboard Socket on your computer. The procedure is described below.

(1) Shut down Windows and turn off the power of your PC.

(2) Remove the original keyboard, if any, from your PC, and note where the Keyboard Socket is.

(3) Examine the parts of the Pen Keyboard, as shown in Figure 6 below.

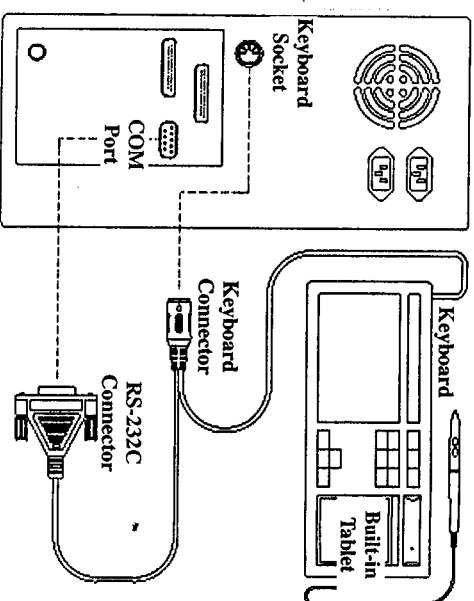


Figure 6 How the Pen Keyboard is attached to the PC

(4) Connect the Keyboard Connector to the Keyboard Socket. You will need to use the Keyboard Adaptor if the size of the Keyboard Connector does not fit that of the Keyboard Socket, similar to what is shown in Figure 3 on page 7.

(5) Take the 9-pin RS-232C Connector running from the Tablet Plate and insert it into COM1 port of the computer. If COM1 is in use, for example, by a mouse, you may plug into COM2 port instead. In this case, since most COM2 ports require a 25-pin connector, you will need to find a 9-pin-to-25-pin adaptor. Also, if your computer has a built-in modem

using one of COM1, COM2, COM3, and COM4 ports, please seek help from a professional to ensure that the Pen Tablet can indeed use an unused serial port. The Pen Tablet requires a free COM port to operate, and it can co-exist with a mouse and/or a modem connected to a different COM port not in conflict with the port used by the Pen Tablet. If the mouse uses a PS/2 port, it will not conflict with any COM ports.

(6) Turn power on and wait for Windows to start up.

(7) Verify that the Pen Tablet hardware functions properly as described on page 13.

The hardware installation is now complete. Please proceed to install the Driver Software that provides pointing device function and Pressure Sensitivity (through a Wintab-compatible interface), and the PenBoard Program that allows you to enter signature and simple drawings with the Pen.

## **INSTALLING KEYBOARD WITH PEN TABLET (WK & PR)**

Before attempting to attach the Keyboard with Pen Tablet to your computer, please check that the system requirements as described on page 5 are all met, and that all items listed on pages 3 and 4 are present.

You install the Keyboard with Pen Tablet by first attaching the Pen Tablet to the Keyboard, and then attaching the Keyboard to the computer by connecting the RS-232C Connector to an available COM (serial) port and connecting the Keyboard Connector to the Keyboard Socket. The procedure is identical to that for the Pen Keyboard, except that you must also connect the Pen Tablet to the Keyboard. See page 10 for details. The Keyboard will continue to function normally (as no more than a keyboard) even when the Pen Tablet is not attached to the Keyboard. The figure below depicts how the attachments are made.

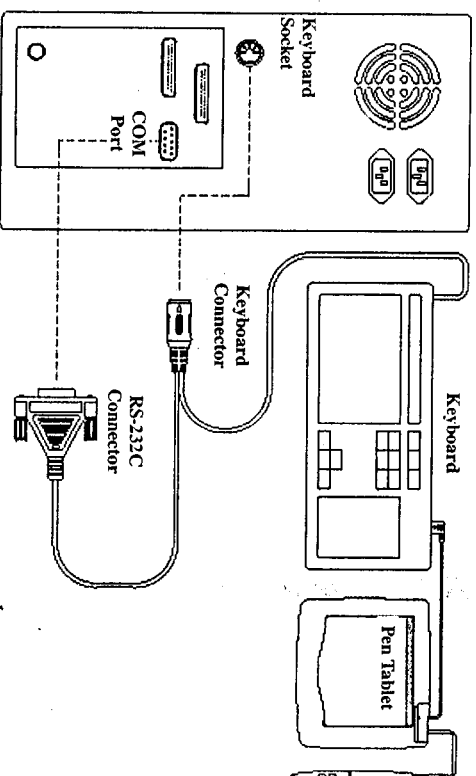


Figure 7 How the Keyboard with Pen Tablet is attached to the PC

The hardware installation is now complete. Please proceed to install the Driver Software that provides pointing device function and Pressure Sensitivity (through a Wintab-compatible interface), and the PenBoard