



**Point 510  
Pen Tablet**

***User's Guide***

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# Agency Compliance

## UL Notice

### **Caution**

For continued protection against the risk of fire, replace only with the same type and rating of fuse.

### **Caution**

The battery pack and batteries inside the Pen Computer are not user replaceable. Please contact Fujitsu Personal Systems, Inc. Service Center for replacement of all batteries.

### **Caution**

Danger of explosion if CMOS battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to manufacturer's instructions.

### **Warning**

CMOS battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

### **Caution**

The battery used inside the battery pack may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100 degrees C (212 F) or incinerate. The battery used inside the battery pack must be replaced at Fujitsu Personal Systems Inc.'s Service Center only. Dispose of used battery promptly. Keep away from children. If swallowed, contact a physician at once.

### **Caution**

Overcharging, short circuiting, reverse charging, mutilation or incineration of the cells must be avoided to prevent one or more of the following occurrences: release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature. If a cell has leaked or vented, it should be replaced immediately using protective gloves. If and when necessary, these cells must be replaced with identical new ones from the same manufacturer.

If a cell to be replaced is connected with other cells in series, it is recommended that the other cells be replaced with the new ones at the same time.

## FCC Notice

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 and 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.

Shielded interconnect cables must be employed with this equipment to ensure compliance with the pertinent RF emission limits governing this device.

Changes or modifications not expressly approved by Fujitsu Personal Systems, Inc., could void the user's authority to operate the equipment.

## FCC Notice for Systems With Built-In Wireless LAN Adapter

To comply with the FCC regulations on intentional radiator (47 CFR, 15, Subpart C), do not change or replace the antenna provided with the unit in any way. Any attempt to do so will constitute a violation of the FCC regulations.

### **Caution**

Do not come into contact with the antenna during operation.

## Canadian DOC Compliance

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.



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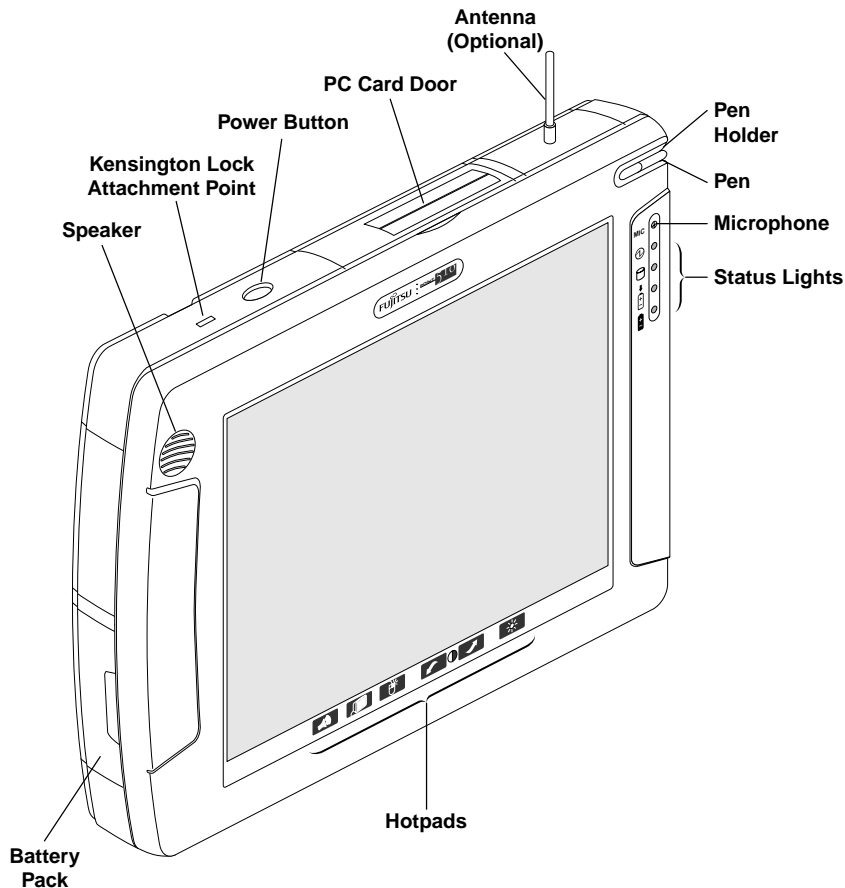
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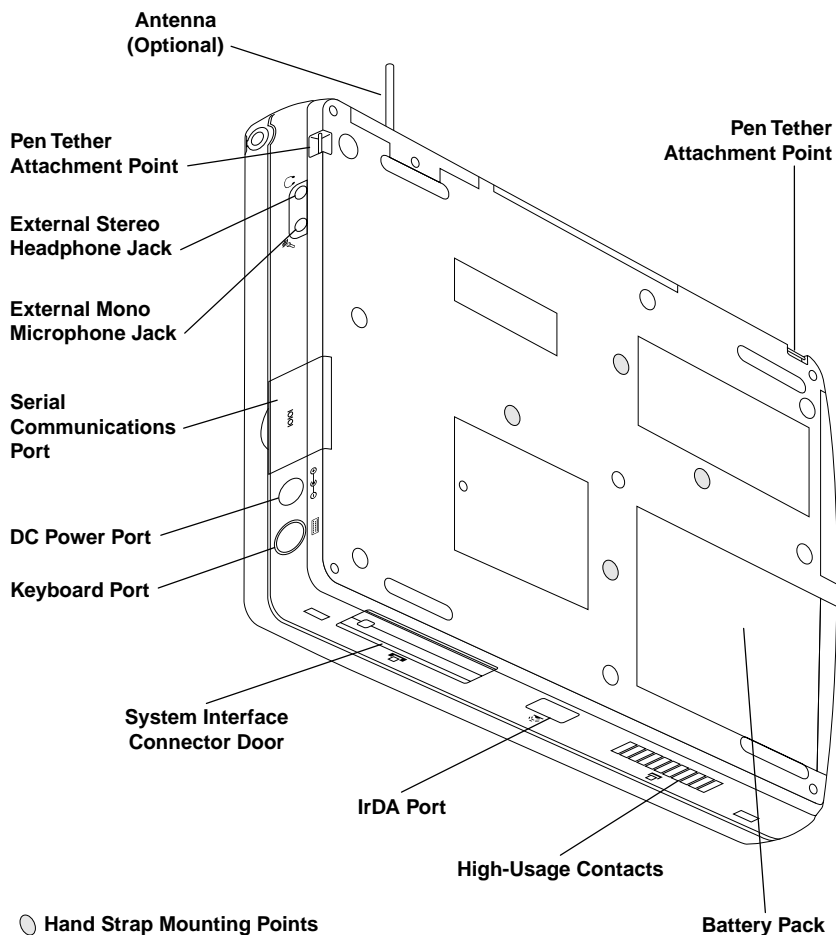
# Chapter 1

## Getting Started

The *Point 510™ pen tablet* is an easy to use, high-performance personal computer that you can run by touching the screen with a supplied “pen,” sometimes called a “stylus.” The Point 510 pen tablet runs the popular Windows for Workgroups or Windows 95 software. This chapter gives an overview of the Point 510 pen tablet’s features and explains basic use.



*Point 510 Pen Tablet Features – Front*



*Point 510 Pen Tablet Features – Back*

## System Features and Controls

Before you use the Point 510 pen tablet, familiarize yourself with its basic operation. The main features and controls that you use to operate the Point 510 pen tablet are described briefly below. These items are described in detail later in this manual.

- **Power Button**

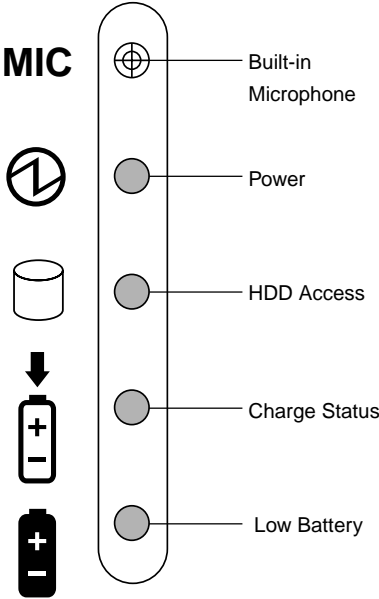
Button that either allows you to turn the Point 510 pen tablet power on and off, or to suspend operation and “save your place” on your pen tablet, depending on how the pen tablet is set up.

- **PC Card Door**  
Shuttered door that allows you to gain access to the PC Card, if one is installed in the PC Card slot.
- **Antenna (Optional)**  
If installed, an antenna that helps you send and receive data on a wireless local area network (LAN).
- **Pen**  
The main input device that you use to enter data and run programs. The pen has a hole for attaching the pen tether.
- **Pen Holder**  
A slot built into the corner of the pen tablet for storing the Point 510 pen.
- **Microphone**  
A built-in microphone that allows you to record audio information with the Point 510 pen tablet.
- **Status Lights**  
LEDs that indicate power usage, battery charge, and hard disk drive usage.
- **Hotpads**  
Tappable areas at the edge of the screen that allow you to adjust alarm beep volume, display contrast and brightness, and to right-tap (like right-clicking a mouse).
- **Battery Pack**  
Rechargeable power source for the Point 510 pen tablet.
- **Kensington® Lock**  
Attachment point built into the Point 510 pen tablet. This is designed for use with a Kensington security lock that enables you to attach the pen tablet to a stationary object such as a desk.
- **Speaker**  
Built-in speaker that allows you to listen to audio files on the Point 510 pen tablet.
- **Pen Tether Attachment Points**  
Bars built into the Point 510 case for attaching the pen tether to the tablet. The other end of the tether fits the corresponding hole in the end of the Point 510 pen.
- **External Stereo Headphone Jack**  
Jack for external stereo headphones.

- **External Mono Microphone Jack**  
Jack for an external mono microphone.
- **Serial Communications Port**  
Port that allows you to connect a serial device, such as a modem.
- **DC Power Port**  
Port for attaching external DC power to the Point 510 pen tablet.
- **Keyboard Port**  
Port for attaching a keyboard to the Point 510 pen tablet.
- **System Interface Connector Door**  
Protective cover for the Point 510 System Interface connector, which lets you use your Point 510 pen tablet with other equipment, such as a printer.
- **IrDA Port**  
Infrared interface that allows wireless communication with other devices that are equipped with an IrDA port.
- **High-Usage Contacts**  
Metal contacts that correspond to connectors on a Point 510 cradle, one of several peripheral holder/charger/connector units available for the Point 510 pen tablet.
- **Hand Strap Mounting Points**  
Four screw fittings that allow you to attach the optional hand strap.

# Status Lights





The status lights are LEDs that give you information about system power, hard disk drive use, and battery charge. The following figure shows the status lights on the front of the Point 510 pen tablet.



*Status Lights on the Point 510 Pen Tablet*

These status lights are described in the table that follows.

The following table shows the name and symbol for each status light, and what the lights mean when they are on, off, or flashing.

Power		Indicates power usage. Light on continuously: Pen tablet is <i>Fully On</i> (running). Light flashing: <i>Suspend mode</i> (flashes every 4 seconds). Light off: Pen tablet is <i>Fully Off</i> (not running).
HDD Access		Indicates when the pen tablet is reading or writing on the internal hard disk drive (HDD).
Charge Status		Green LED that indicates power source and charge status. On continuously: Fast charge (0 to 89% of capacity). Flashing: Slow charge (90-99% of capacity). On once: External power attached.* Off: Battery charged or on external power.
Low Battery		Amber LED that indicates low battery conditions. On continuously: Critically low battery. Flashing quickly: 1/2 second on, 1/2 second off - very low battery. Flashing slowly: One second on, one second off – low battery. Very slow flash: Flashing every 4 seconds – very low battery during Suspend mode. Off: Adequate power.

\* External power can come from an AC adapter, auto adapter, or a Point 510 cradle that supplies power.

For details on the Fully On, Suspend mode, and Fully Off power states shown by the Power light, see “Power” on page 2-1. For more information about battery use and maintenance, see “Charging the Battery Pack” on page 2-8.

## Point 510 Accessories

Several accessories can be used with the Point 510 pen tablet. Refer to the instructions provided with these accessories for details on their use.

### Accessories Included with the Point 510 Pen Tablet

The following items are included with the Point 510 pen tablet:

- AC adapter
- Point 510 pen
- Two screen protectors
- Point 510 battery pack, installed in the pen tablet
- The user's guide for the operating system installed on the pen tablet, with a certificate of authenticity for operating the system software

### Optional Accessories

The following items are optional accessories for the Point 510 pen tablet:

- Slip case
- Pen tether
- Hand strap
- Auto adapter
- Bar code reader
- Spare Point 510 battery pack
- Keyboard combo case
- Point 510 external battery charger
- Fujitsu low-power keyboard
- Folding desk stand
- Portable port expander
- Port replicator
- High-usage cradle
- Charge-only cradle
- Wall-mount cradle
- High-connectivity cradle





## Chapter 2

# Using the Point 510 Pen Tablet

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This chapter covers the fundamental operations that you need to be familiar with to use the Point 510 pen tablet:

- Starting the pen tablet
- Using the pen
- Charging the battery pack
- Connecting to other equipment
- Shutting down the pen tablet

## Power

Before you start using the Point 510 pen tablet, familiarize yourself with the various ways your pen tablet can use and conserve power. Understanding this aspect of the pen tablet may keep you from losing data you have entered into the pen tablet.

This chapter contains information for two different uses of the Power button, depending on how the Point 510 pen tablet has been set up. Being familiar with these power states can help you determine how specific power information in this chapter applies to your pen tablet.

Your Point 510 pen tablet will be set up to do one of two things when you press the Power button:

- *Suspend* or *resume* system operation without turning power off.
- Turn power *on* or *off*.

### Caution

- Ask the computer professional at your site whether the Power button on your pen tablet is set up to control *Suspend/Resume* or *Power On/Off*. This may help prevent possible loss of data under certain conditions when you press the Power button.

## Power States

The Point 510 pen tablet behaves differently depending on its power state. The pen tablet can be Fully On, partially on (Idle, Standby, Suspended), or Fully Off. The pen tablet's behavior for each power state is as follows:

- **Fully On**

The pen tablet is running and the display screen is on. The pen tablet responds to the pen and other input. Power usage is at the normal rate.

- **Idle and Standby**

A low-power state. Some functions are off or regulated to conserve power. When the pen tablet detects pen or other input, it returns to the Fully On state.

- **Suspend Mode**

A low-power state. Operation is suspended and the pen tablet is in low power usage. Most functions are off to conserve power, and the pen tablet does not respond to the pen or other input. Data in programs that were running is stored in random access memory (RAM) and power is provided to RAM to keep from losing the data.

- **Fully Off**

All functions are turned off. The pen tablet does not respond to the pen or other input. Power usage is stopped.

Your Point 510 pen tablet might be set up to enter a low-power state automatically after a period of inactivity, to conserve battery power.

## Starting the Pen Tablet

Start the Point 510 pen tablet by pressing the Power button *once*. The Point 510 pen tablet will start Windows for Workgroups or Windows 95.

### Caution

- *Press the Power button only once* when you start the pen tablet. Pressing the Power button again after the start-up process begins could cause system problems.

## Using the Power Button as a Suspend/Resume Button

If the Point 510 pen tablet has the Power button set up for Suspend/Resume operation, then after the pen tablet starts, pressing the Power button switches between the Suspend mode and Fully On power states.

## Using the Power Button as an On/Off Button

If the Point 510 pen tablet has the Power button set up for power on/off operation, when you press the Power button the pen tablet switches between the Fully On and Fully Off power states.

If you want to suspend operation on a pen tablet set up for On/Off, use the power management software installed on your pen tablet. When you have suspended pen tablet operation, press the Power button *once* to resume operation; the pen tablet returns to the fully on state. After you press the Power button once to resume operation, the Power button returns to operating as an On/Off Power button.

## Using the Pen

You can use the supplied Point 510 pen to select items and run programs on the Point 510 pen tablet much like you would use a mouse on a desktop computer. The pen can be used like the buttons on a two-button mouse. Programs that support handwriting recognition allow you to write characters directly on the screen with the pen.

### Caution

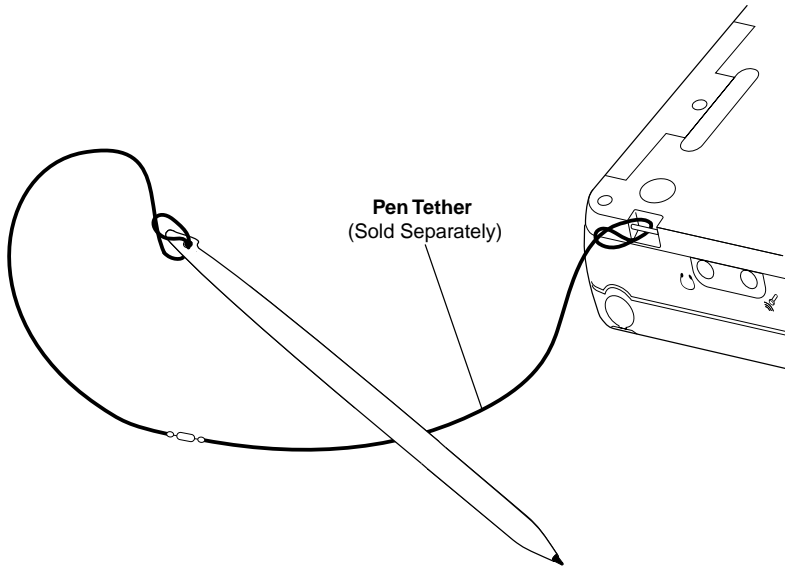
- Do not use a ball-point pen or any sharp object on the pen tablet. This can mar or scratch the screen surface.

Here are some hints on how to use the pen as you would a conventional mouse:

- **To “left-tap” the pen**, tap the pen tip against the screen once. This functions like a left mouse click.
- **To “double-tap” the pen**, tap the pen tip against the screen twice quickly. This functions like a double-click of the left mouse button.
- **To “right-tap” the pen**, tap the pen tip on the Right Mouse hotpad once, then tap the pen on the screen. This functions like a right mouse click. (The hotpads are described on page 2-5.)
- **To move the cursor**, hold the pen tip against the screen and move the pen. You can also lift the pen (the cursor will stop moving) and then tap the screen where you want the cursor to appear (the cursor will instantly appear in that area).
- **To select an object**, tap the pen tip on the object’s icon once (“left-tap”).
- **To start a program**, tap the pen tip twice rapidly (“double-tap”) on the program icon. (Some programs require only one tap to start.)

- **To move something on the screen**, place the pen tip directly over the object, then as you press and hold the pen tip against the display screen, move the pen.

The pen can be attached to the tablet with an optional pen tether. The pen tablet has attachment points on the right and left sides to accommodate left-handed and right-handed users.



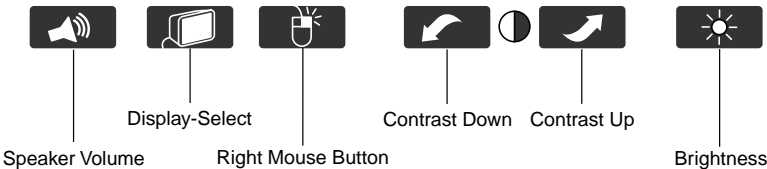
*Point 510 Pen and Tether*

## Ensuring Pen Accuracy






The Point 510 pen tablet comes from the factory already *calibrated* so that it interprets pen taps correctly. If the cursor is not displayed directly under the pen tip when you touch the screen, then you should re-calibrate the Point 510 pen tablet. For more information, see “Calibrating the Point 510 Display Screen” on page 3-3.

# Using Hotpads

The *hotpads* are controls along the edge of the Point 510 screen that let you use functions and make adjustments on the Point 510 pen tablet. You do this by tapping the hotpads with the Point 510 pen.



The table below shows each hotpad icon and how to use it.

Speaker Volume		This hotpad controls the speaker volume. Tap the hotpad to cycle through the low, medium, high, and off settings. (Note that the sound level may also be controlled by settings in your application or operating system software.)
Display-Select		Choose between the internal LCD monitor or an external VGA monitor, if any. Tap the hotpad to toggle between internal LCD and external VGA.
Right Mouse Button		Enables you to perform functions that require a right mouse click. Tap the hotpad once to activate the right-tap, then tap the screen. Tap the hotpad once before each right-tap.
Contrast Down Contrast Up		These hotpads control the screen contrast (the difference between the brightest and darkest parts of the screen).
Brightness		<p><i>Brightness</i> is the overall lightness or darkness of the entire screen regardless of the contrast.</p> <p>This has two settings, bright and dim. Tap the brightness hotpad once to switch between a brighter and dimmer screen.</p>

## Suspending and Resuming Operation

The Point 510 pen tablet allows you to suspend and resume system operation without exiting the programs you are using. Suspend mode conserves battery power while saving your recent work. A fully charged battery pack will maintain the pen tablet in suspend mode for approximately ten (10) days.

The Power button on the Point 510 pen tablet can be set up as a Suspend/Resume Power button or as an On/Off Power button.

### Caution

- Do not press the Power button more than *once* to resume operation. The Point 510 pen tablet will take several seconds to reload information before it resumes operation, and pressing the button again during the resuming process could produce unpredictable results.

How you use the Suspend/Resume function depends on how your pen tablet is set up. If you are not sure, refer to “Power” on page 2-1, and see the computer professional at your site who maintains the Point 510 pen tablets. The procedures are outlined briefly in the following table:

Point 510 Pen Tablet Setup	Suspend and Resume Procedure
Suspend/Resume	To suspend, press the Power button once.  To resume, press the Power button once.
On/Off	To suspend, use power management software to select Suspend mode (do not press the Power button).  To resume, press the Power button once.

## Entering Suspend Mode – Suspend/Resume Power Button

If your Point 510 pen tablet is set up so that the Power button suspends and resumes operation you can take the following steps to put the pen tablet in Suspend mode:

1. Press the Power button *once*. The Point 510 pen tablet emits a double beep (if the speaker is on). Note that your system may take a few seconds to suspend operation depending on how it is configured. If the pen tablet does not appear to be responding, do not press the button repeatedly or more firmly.

Any programs you are running are stopped, data is preserved, and the system enters a low-power state, called *Suspend mode*. For more information, see “Power States” on page 2-2.

2. Observe the Power light. When the light is blinking once every 4 seconds, the Point 510 pen tablet is in suspend mode. You can press the Power button *once* to resume the Fully On state.

## Entering Suspend Mode – On/Off Power Button

If your Point 510 pen tablet Power button is set up to turn the pen tablet on or off, then to suspend operation you must use a suspend/resume software program designed for this purpose. Ask the computer professional at your site who maintains the Point 510 pen tablets about what software to use. To suspend operation:

1. Run the suspend command from a power management program on your Point 510 pen tablet. The Point 510 pen tablet emits a double beep (if the speaker is on).

Any programs you are running are stopped, data is preserved, and the system enters a low-power state, called *suspend mode*. For more information, see “Power States” on page 2-2.

2. Observe the Power status light. When the light is blinking once every 4 seconds, the Point 510 pen tablet is in suspend mode.

The Power button temporarily serves as a Suspend/Resume button. Press it *once* to resume the Fully On state.

## Resuming Operation

Resuming operation on your Point 510 pen tablet is the same whether your pen tablet is set up to suspend using the Power button or using a software program. To resume operation:

- Press the Power button only *once*. (Be careful to avoid pressing the Power button again during the resume process.)

The Point 510 pen tablet returns to the Fully On state and operation *resumes*. The screen might flicker during the resume process. Resuming might take several seconds as data is read back in.

You can continue using the pen tablet as soon as operation resumes. All programs resume at the same point that they stopped when operation was suspended.

## Other Suspend/Resume Issues

Other issues you should consider when suspending or resuming pen tablet operation are as follows:

- When the Point 510 pen tablet is in suspend mode, data stops going to and from the pen tablet. Some programs might temporarily keep the Point 510 pen tablet in the Fully On state to prevent interrupting processes like data transfer until the data is completely transferred. This preserves the quality and completeness of the data.
- Your system may be set up to suspend operation automatically if you do not use the system for some period.
- If the battery charge drops below the critically low charge level (the amber Low Battery light is flashing quickly), the system is forced into suspend mode and will not resume until a charged battery pack is installed or external power is attached.
- The Point 510 Power button is not pressure sensitive. If the pen tablet does not go into Suspend mode (or Fully Off) within a few seconds, do not press the button harder. Pressing the button harder may damage the pen tablet.
- When the Point 510 pen tablet shuts down, it emits a beep (if the speaker is on). This lets you know that it is going into the Fully Off state.

## Charging the Battery Pack

The Point 510 battery pack can be charged while it is installed in the Point 510 pen tablet. You can use the pen tablet, or press the Power button to suspend or turn off the pen tablet, without interrupting the charging process.



The following table shows how battery lights show battery status:

The green Charge Status light indicates the power source and charge status.	
On continuously:	Fast charge (0 to 89% of capacity)
Flashing:	Slow charge (90-99% of capacity). Flashes faster at 90%, slower at 99%.
One second on:	External power is attached.* When external power is attached and the battery is 100% charged, the light comes on for a few seconds, then turns off.
Off:	Battery is not being charged.
The amber Low Battery light indicates low battery conditions.	
On continuously:	Critically low battery.
Flashing quickly:	1/2 second on, 1/2 second off – very low battery. One second on, one second off – low battery.
Very slow flash:	Flashing every 4 seconds – very low battery during Suspend mode (flashing synchronized with the Power light).
Off:	Battery power is adequate, or external power is attached.

\* External power can come from an AC adapter, auto adapter, or a Point 510 cradle that supplies power.

To charge the battery pack:

1. With the Point 510 pen tablet *disconnected* from external power sources, look at the amber Low Battery light to determine the battery charge level. The lower the battery level, the longer the battery pack will require for recharging.
2. Connect the Point 510 pen tablet to a power adapter or a Point 510 pen tablet cradle that provides power. If the battery pack charge level is below 90% when external power is *initially connected*, the green Charge Status light comes on and the battery begins charging. When the Charge Status light turns off, the battery is 100% charged.

**Note:** *If battery power is less than 90% capacity when external power is attached (green Charge Status light on continuously), the battery starts charging automatically until 100% charge is reached or external power is disconnected. If battery power is 90% or more when external power is attached (Charge Status light flashes once), the battery does not charge. Charging begins only when battery power is less than 90% at the time that external power is connected, and from that point, charging proceeds until 100% charge is reached or external power is disconnected.*

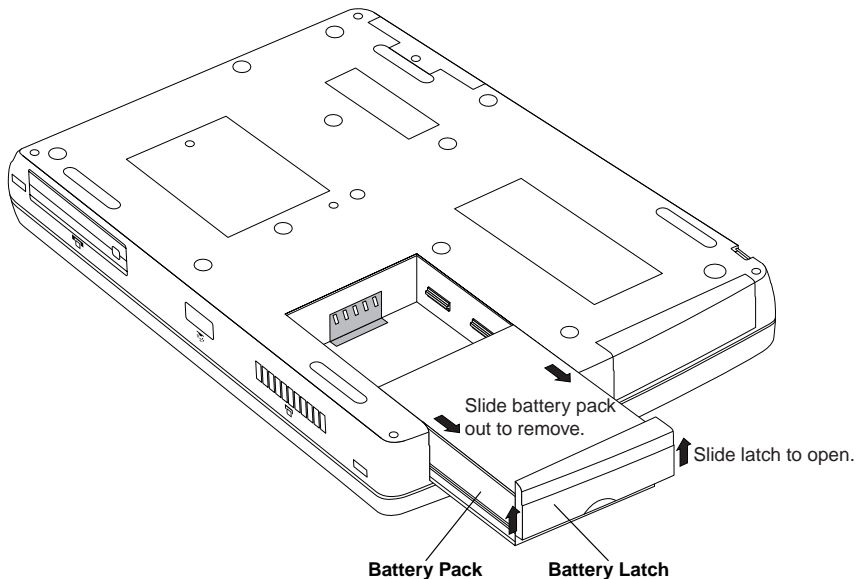
As long as external power remains connected to the pen tablet, the charging process continues until the battery pack reaches 100% charge.

## Removing and Installing the Battery Pack

The battery pack can be removed from the Point 510 pen tablet and replaced with a charged battery pack. You can then charge the removed battery pack in the optional external battery charger. You can remove or install the battery pack while the system is Fully Off or in Suspend mode.

To remove and install a battery pack on the Point 510 pen tablet:

1. Save any important files and information in programs that you are using.
2. Put your pen tablet in Fully Off or Suspend mode. For more information, see “Suspending and Resuming Operation” on page 2-6.
3. Slide the battery latch on the battery pack in the pen tablet open as shown in the following illustration.
4. Slide the battery pack out of the pen tablet.



### *Removing the Battery Pack*

5. On the charged battery pack, slide the latch open. Slide the charged battery pack into the system unit until it fits snugly. Slide the latch forward into the closed position.

6. Press the Power button to power on or resume operation. When the pen tablet returns to the Fully On state, you can continue using it.

## Conserving Battery Power

A fully charged battery pack can run the Point 510 pen tablet continuously for up to five (5) hours. Your results may vary depending on how the pen tablet is set up. You can extend the life of your battery pack by conserving battery power.

Here are some suggestions for conserving battery power:

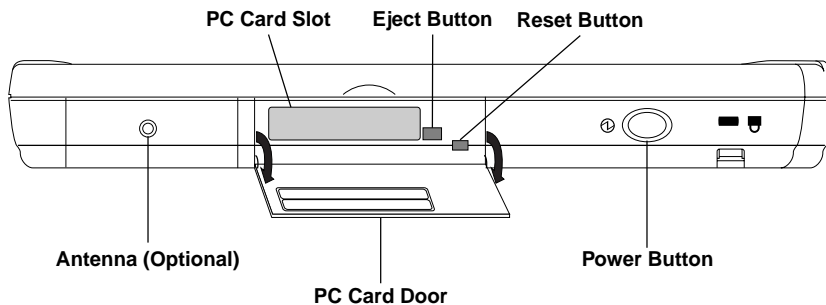
- If you will not be using the Point 510 pen tablet for a few minutes, suspend operation by putting the pen tablet in Suspend mode (see “Suspending and Resuming Operation” on page 2-6).
- If you will not be using the Point 510 pen tablet for an extended period of time, such as at the end of your work day, turn the system Fully Off.
- Select the low Brightness setting for the screen by tapping the Brightness hotpad (see “Using Hotpads” on page 2-5).

## Using Connectors and Peripheral Interfaces

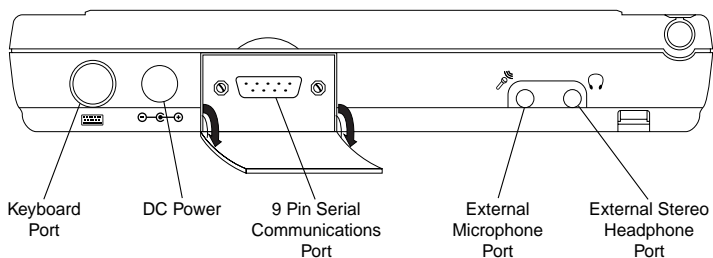
Connectors and peripheral interfaces on the Point 510 pen tablet allow you to connect a variety of equipment to the Point 510 pen tablet, such as a microphone, headphones, keyboard, or printer. You can also connect your Point 510 pen tablet to one of several cradles or portable connectivity peripherals.

Cradles and connectivity peripherals for various work environments have been designed for use with the Point 510 pen tablet. These products enable you to easily connect your Point 510 pen tablet to stationary hardware. For more information about the cradle for your pen tablet, if any, refer to the *Point 510 Connectivity Peripherals User Guide* or contact your local help desk.

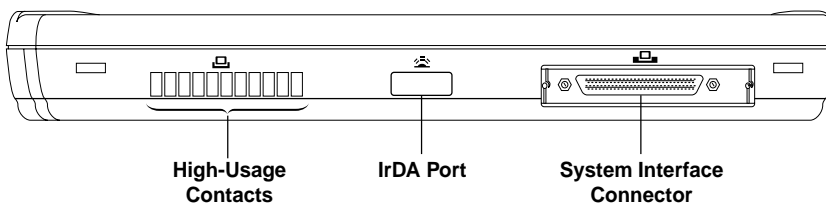
The connectors and interfaces on the Point 510 pen tablet are located along three sides of the pen tablet, as shown:



*Point 510 Pen Tablet Connectors - Top*











*Point 510 Pen Tablet Connectors- Right*



*Point 510 Pen Tablet Connectors - Bottom*

Here is a description of each connector on the Point 510 pen tablet:

PC Card slot		Allows you to use a PC Card with the Point 510 pen tablet. To remove a PC Card, press the eject button inside the PC Card door.
Keyboard port		Allows you to connect a Fujitsu low-power 3.3-volt keyboard, and most other PS/2-style 5-volt keyboards.
9-pin serial port	 A	This is a fully functional RS232-C serial port. Allows you to connect a modem, or any other external device with a serial interface.
External headphones		Stereo mini-jack for headphones.
External microphone		Mono mini-jack for a microphone.
High-usage contacts		Eleven metal contacts that correspond to “pogo pins” (springy metal connectors) on certain cradles. These allow for quick, reliable connect and disconnect of the Point 510 pen tablet many times during the work day.
IrDA port (serial port B)		Infrared serial port (IrDA1.0 standard) located between the High-Usage contacts and the System Interface connector. An infrared transceiver built into the system unit allows you to communicate with another device such as a printer equipped with an IrDA port. The effective range for infrared communication is about 3 feet (1meter). To transmit and receive data using this port, you must provide a clear, line-of-sight path between the Point 510 pen tablet IrDA port and the IrDA transceiver on the other device.
System interface connector		A 120-pin connector that allows you to connect the Point 510 pen tablet to a peripheral cradle when quick connect and disconnect is not necessary. The pins provide connections to equipment such as printers.

## Optional Wireless RF LAN Transceiver

The Point 510 pen tablet can be equipped with an optional radio frequency (RF) transceiver and antenna that allow you to send and receive data from a centralized computer on a wireless, local area network (LAN). Point 510 pen tablets equipped with the wireless RF LAN transceiver have an RF antenna mounted on the pen tablet to transmit and receive the signals (antenna shown on page 2-12).

The RF LAN transceiver allows you to transmit and receive data using your Point 510 pen tablet in your facility. Access points can be stationed throughout your facility to carry the signals between your Point 510 pen tablet and the wired LAN and help maintain a reliable connection.

Consult the computer professional at your site who maintains the Point 510 pen tablets for details on the wireless LAN and the use of the RF LAN transceiver.

## Shutting Down the Point 510 Pen Tablet

Your Point 510 pen tablet Power button may be set up to suspend operation without exiting programs (saving your place), or it may be set up to shut down completely.

If the Power button is set up to suspend operation, find out if the computer professionals who manage the Point 510 pen tablets at your site allow users to shut down the units themselves. If so, follow the procedure specified by the computer professional at your site to shut down the pen tablet.

If your Point 510 pen tablet is set up to shut down completely using the Power button, you can press that button *once* to shut down the pen tablet completely.

*If the Point 510 pen tablet does not respond immediately when you press the Power button, do not press the button again. Wait a few seconds. The pen tablet finishes tasks before going into the Fully Off state. The pen tablet should begin its shutdown procedure as soon as it has completed any pending tasks.*

To shut down the Point 510 pen tablet, first save your data. The pen tablet does not automatically save data when you shut it down. After saving your data, use the shutdown function of the operating system to shut down the pen tablet:

1. If system operation is suspended, resume system operation.
2. Save your work and close all running programs.
3. Do one of the following:
  - Windows for Workgroups users: Close Program Manager and choose Power Down from the Exit Windows dialog box.
  - Windows 95 users: Choose Shut Down from the Start menu and carry out the Shut Down command.

The system is now shut down and fully powered off.

## Chapter 3

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### Care and Maintenance

This chapter gives you pointers on how to take care of and maintain your Point 510 pen tablet.

#### Protecting the Display Screen

To protect the display screen, use the screen protector provided with the Point 510 pen tablet. The pen tip is made of a softer material than the display screen to reduce the likelihood of scratching the screen; however, normal wear or particles of dirt caught between the pen tip and the screen surface could mar or scratch the screen if you use the Point 510 pen tablet without the screen protector installed.

The Point 510 screen protector is a clear plastic sheet that you can apply to the screen surface. You can use the pen tablet as usual with the screen protector installed; it does not affect the performance or usability of the pen tablet or the pen. When the screen protector becomes worn, you can easily replace it with a new one. For details on how to install or replace the screen protector, refer to the installation instructions provided with the screen protector.

#### Storing the Point 510 Pen Tablet

Store the Point 510 pen tablet in the Fully Off state with a charged battery pack installed. The Point 510 battery pack provides power to some of the pen tablet's internal components even when the pen tablet is fully off. You can store the pen tablet for about 30 days with a fully charged battery pack installed. After 30 days, you should recharge the battery pack or replace it with a fully charged battery pack.

## Protecting the Point 510 Pen Tablet in Harsh Environments

The Point 510 pen tablet is designed for use in protected environments where there is no direct exposure to rain, mists, or sprays. Avoid exposing the pen tablet to these conditions.

## Cleaning the Display Screen

To clean the Point 510 display screen, wipe the screen surface gently using a soft cotton cloth dampened with water or a mild solution of water and liquid detergent.

### **Caution**

The Point 510 pen tablet is not waterproof. Do not pour liquids on the pen tablet or wash the pen tablet with a heavily soaked cloth.

## Taking Care of the Pen

The Point 510 pen tip is made of a soft plastic material that is designed to minimize scratching of the display screen. With use, the pen tip may become worn or may pick up particles of dust or dirt that can scratch the display screen. Using a damaged or warped pen tip on the Point 510 pen tablet may cause unpredictable results. If your pen exhibits problems, replace the pen with another Point 510 pen. Replacement pens are available in packets of five pens.



# Calibrating the Point 510 Display Screen

Each time you tap the Point 510 screen, the Point 510 pen tablet determines where you tapped it in order to perform the function you requested. Calibration helps the Point 510 pen tablet accurately determine what you are tapping.

## Determining When to Perform Pen Calibration

The Point 510 pen tablet comes from the factory already calibrated so that it interprets the pen location correctly. If the cursor is not displayed under the pen tip when you touch the screen, you should re-calibrate the Point 510 pen tablet.

Pen calibration may be required in the following situations:

- The previous user of the Point 510 pen tablet writes with the opposite hand and has calibrated the pen tablet.
- The Point 510 pen tablet has been in use for some time without being re-calibrated.
- You have rotated the screen from landscape (wide) to portrait (tall) orientation, or from portrait to landscape orientation. (Note that rotating the screen does not affect pen calibration, however, changing the screen orientation may cause you to hold the pen tablet and pen in a slightly different position.)

## Performing Pen Calibration

Calibrating the pen tablet display screen is simple, although you should try to keep your hand steady to get the best calibration reading. To calibrate the pen, do the following:

1. *If you are using Windows 95:* From the Start menu, select Settings, then select Control Panel, then double-tap Handwriter icon. Tap the General property sheet. On the General property sheet, tap the Pen Calibration button.

*If you are using Windows for Workgroups:* From the Start menu, select Settings, then select Control Panel, then double-tap the Calibrate icon.

The screen shows the instructions for Pen Calibration.

2. Position the Point 510 pen tablet as you normally do during use. Be sure to hold the pen at the angle that you regularly use.

3. Perform the calibration steps according to the instructions on the screen. The calibration utility displays cross-hairs in each corner of the screen, one at a time. Tap the center of each cross-hair as it appears, holding the pen the same way you would hold it while using the pen tablet.
4. After you have tapped all of the cross-hairs, a box appears with three buttons. Tap one of these buttons to accept, cancel, or retry your calibration settings. If you don't tap any of the buttons within 20 seconds, the Point 510 pen tablet goes back to the previous calibration settings. The buttons are:

**OK:** If you are satisfied that you tapped the cross-hairs accurately, tap OK. Your taps are then used to calibrate the screen.

**Cancel:** If you do not want to use your taps to calibrate the screen, tap Cancel. Your taps are not used and the previous settings are used.

**Recalibrate:** If you want to try again, tap Recalibrate. The calibration instructions reappear.

## Solving Problems

Solutions to some common problems are described in this section. If you are experiencing a problem with your Point 510 pen tablet that you cannot solve by taking the actions described, contact the computer professional at your site who maintains the Point 510 pen tablets.

### Suspended Pen Tablet Will Not Resume

If the Point 510 pen tablet will not resume operation after operation was suspended, check the following possible causes:

- The Point 510 battery pack might be defective, or discharged to the critically low level. When the battery pack cannot supply adequate power, the pen tablet is forced into suspend mode to avoid a total power failure. To correct this problem, either connect an external power supply (such as the AC adapter or charging cradle) or install a charged battery pack in the Point 510 pen tablet.
- The pen tablet might be too hot. To avoid damage to heat-sensitive components, the pen tablet enters suspend mode if it gets too hot. The Point 510 pen tablet cannot resume operation until it cools off to a predetermined temperature. Move the pen tablet to a cooler location and prevent direct sunlight from shining on it.

## Display Screen Is Blank or Difficult to Read

The display screen can be adjusted using the hotpads. For details on using these controls, see “Using Hotpads” on page 2-5. If the display screen on your Point 510 pen tablet is blank, confirm that the pen tablet is running (the Power light is on continuously) and check the following:

- The display contrast setting may be set to extreme high or low levels, causing the screen to appear blank. Try adjusting the contrast using the hotpads.
- The ambient temperature can affect the display contrast. You may need to adjust the display contrast periodically, using the hotpads, to compensate for changes in temperature.
- The Point 510 pen tablet might be set up to use an external monitor. Tap the Display-Select hotpad to determine if the Point 510 display screen is selected.

## Infrared Data Transfer is Not Working

If you are experiencing problems transferring data over the Point 510 pen tablet's infrared interface (IrDA), check the following:

- Can the IrDA port on the Point 510 pen tablet “see” the IrDA port on the other device? There must be a direct line-of-sight path between the IrDA port on the Point 510 pen tablet and the IrDA port on the other device.
  - Be sure you are pointing the IrDA port on the Point 510 pen tablet at the port on the other device. The viewing angle from the IrDA port on the Point 510 pen tablet must not be more than 15° from center.
  - Be sure the Point 510 pen tablet is close enough to the other device. The distance between the two devices must be no more than approximately 3 feet (1 meter).
- The device that you are trying to communicate with must be compliant with the IrDA Standard Revision 1.1 or lower. If you are unsure, contact the computer professional who maintains the Point 510 pen tablets at your site.
- Your system must be properly configured before the IrDA port can be used. Contact the computer professional who maintains the Point 510 pen tablets at your site for assistance if necessary.

## Wireless LAN Signal is Interrupted

The Point 510 pen tablet RF transceiver is designed to send and receive a reliable signal under most conditions. Occasionally, the signal is interrupted. This could happen when the Point 510 pen tablet is too far from an access point, or the signal is physically obstructed by factors such as the material in the structure of the building.

If the pen tablet pauses transmission and does not appear to be resuming transmission, try moving the pen tablet away from the immediate area until the signal resumes. If moving the pen tablet does not solve the transmission problem, or if this problem typically occurs in a specific location, contact the computer professional who maintains the Point 510 pen tablets at your site.

## Cursor Is Not Tracking Pen

If the cursor on the screen is not accurately tracking the pen or appears to be misaligned with the pen, calibrate the pen. See “Calibrating the Pen” earlier in this chapter for details.

## Audio Volume Too Low

If the audio volume on your pen tablet speaker or external headphones is too low, check the following:

- Ensure that the volume level set with the Speaker Volume hotpad is set to an audible level.
- Ensure that any volume control in your audio program software is set to an audible level.

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