

PaceBlade PaceBook D110 User Manual

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For more information see <http://www.pacebook.com>.

Version 1.0

Safety Instructions

1. Please read these safety instructions carefully.
2. Please keep this User's Manual for later reference.
3. All precautions and warnings on the equipment should be carefully noted.
4. Please disconnect the PaceBook from the AC outlet before cleaning.

Do not use sprays, liquids or cleaning detergents for cleaning the PaceBook Tablet. Use the supplied 3M High Performance cloth or similar micro fiber cloth for cleaning the touchscreen. Avoid the use of tissue paper since the tissue fibers can easily lodge between the touchscreen and the top cover of the tablet.

5. Never pour liquids into any openings or directly on the PaceBook Tablet. This could result in fire or electrical shock.

6. Ensure the voltage range of the power outlet is between 100V and 240V before connecting the PaceBook Tablet. Exceeding the maximum rated voltage may cause damage to the AC adapter or to the PaceBook Tablet. This could result in fire or electrical shock.

7. When the AC adapter is plugged into an electrical outlet, place the power cord so it will not be stepped or walked on. Do not place objects over or on the power cord.

8. If the PaceBook Tablet is not used for a long time, disconnect the AC power supply to avoid damage by transient over voltage. Also remove the battery from the tablet.

9. Use the supplied case or Presentation Stand when using the PaceBook Tablet to avoid damage or breakage caused by dropping the unit.

10. Use the PaceBook in a clean, dry, temperature controlled environment. Do not use the PaceBook in areas of high humidity, around water or outdoors while it is raining.

11. Never open or disassemble the PaceBook Tablet. For safety reasons, the equipment should only be repaired by qualified service personnel.

12. Seek qualified service personnel if any of the following issues should arise:

- the AC adapter, power cord or plug is damaged
- liquid has been spilled into the PaceBook display unit
- the PaceBook has been exposed to excessive moisture
- the PaceBook exhibits errors and or does not function according to specification
- the PaceBook Tablet has been dropped or otherwise mechanically damaged

DO NOT LEAVE THIS EQUIPMENT IN A NON-TEMPERATURE CONTROLLED ENVIRONMENT. STORAGE TEMPERATURES BELOW -4°C (20°F) OR ABOVE 60°C (140°F) MAY DAMAGE THE UNIT.

For battery safety, please refer to Chapter 6.

Safety Notices

To comply with Canadian and U.S. laws, the following safety information is provided in English and French.



Caution: To reduce the risk of an electric shock, which could cause personal injury, follow all safety notices. The symbols shown are used in your documentation and on your equipment to indicate safety hazards.

Attention: Afin de prévenir les risques d'électrocution, respectez toutes les consignes de sécurité. Les symboles figurant dans la documentation et sur l'appareil indiquent les points dangereux.



Warning: Lithium batteries can be dangerous. Improper handling or installation of lithium batteries may result in an explosion. Replace them only with an exact replacement. Dispose of lithium batteries by returning them to your dealer.

Avertissement Les batteries lithium présentent certains risques. Une mauvaise manipulation ou installation peut provoquer une explosion des batteries. N'utilisez que ce type de batteries. Rapportez les batteries usées chez votre revendeur.

IT System Connectors: This equipment has not been designed for connection to all IT power systems; if a modification is required contact your dealer or local electrical authority.

Connecteurs système IT Cet appareil n'a pas été conçu pour être connecté à tous les systèmes d'alimentation IT et si vous avez besoin d'y apporter une modification, adressez-vous à votre revendeur ou à un électricien.



Safety Notices for the power cord

This equipment has a 2 or 3-wire power cord. Replace the power cord if it becomes damaged. Contact your dealer for an exact replacement.

In the U.S.A. and Canada, the power cord must be a UL-listed detachable power cord (in Canada, CSA-certified). For 2-wire it is SPT-2 18AWG, for 3-wire cord it is SVT or SJT, 18 AWG, 3-conductor, provided with a molded-on NEMA type (1-15 2-wire) (5-15 3-wire) P plug cap at one end and a molded-on cord connector body at the other end. The cord length must not exceed 3 meters.

Outside the U.S.A. and Canada, the plug must be rated for 250 VAC, 2.5 amp minimum, and must display an international agency approval marking. The cord must be suitable for use in the end-user country. Consult your dealer or the local electrical authorities if you are unsure of the type of power cord to use in your country. Voltage changes occur automatically in the power supply.

Consignes de sécurité

Cet équipement possède un cordon d'alimentation à deux/trois fils. Si le cordon d'alimentation venait à être abîmé, avant de le remplacer, consultez votre revendeur.

Aux Etats-Unis et au Canada, le cordon d'alimentation doit être détachable, homologué UL (Certifié CSA pour le Canada), de type SPT-2, 18 AWG, à 2 fils (trois fils avec SVT, SJT, 18 AWG) fourni avec prise surmoulée NEMA de type 1-15P (5-15P trois fils) à une extrémité et un cordon de raccordement surmoulé à la masse à l'autre extrémité. La longueur du cordon ne doit pas dépasser 3 mètres.

Hors des Etats-Unis et du Canada, la prise doit être conforme pour 250 V, 2.5 A minimum; la marque d'homologation d'un organisme international doit également figurer sur la prise. Le cordon d'alimentation doit être conforme aux normes du pays de l'utilisateur final. Si vous ne savez pas quel type de cordon utiliser, adressez-vous à votre revendeur ou à un électricien. Le changement de voltage survient automatiquement dans l'alimentation.



Warning: Under no circumstances should the user attempt to disassemble the power supply. The power supply has no user-replaceable parts. Inside the power supply are hazardous voltages that can cause serious personal injury. A defective power supply must be returned to your dealer.

Attention: Ne tentez jamais de démonter le bloc d'alimentation. Vous n'êtes pas qualifié pour en remplacer les éléments, et vous risqueriez de vous électrocuter en touchant l'une de ses zones à haute tension. S'il est défectueux, vous devrez le rapporter chez votre revendeur.

Safety Notices for Users outside the U.S.A. and Canada



PELV (Protected Extra-Low Voltage) Integrity - To ensure the extra-low voltage integrity of the equipment, connect only equipment with mains-protected electrically compatible circuits to the external ports.

Remote Earths - To prevent electrical shock, connect all local (individual office) computers and computer support equipment to the same electrical circuit of the building wiring. If you are unsure, check the building wiring to avoid remote earth conditions.

Earth Bonding - For safe operation, only connect the equipment to a building supply that is in accordance with current wiring regulations in your country. In the U.K., those regulations are the IEE.

Laser Compliance Statement for CD-ROM, DVD-ROM and DVD/CD-RW Combo drives (Optional)



The optional CD-ROM, DVD-ROM and DVD/CD-RW Combo drive for this computer are laser products. The classification label of the drive is located on the bottom of the drive. Below is a sample of the classification label:

CLASS 1 LASER PRODUCT

LASER KLASSE 1

LUOKAN 1 LASERLAITE

APPAREIL A LASER DE CLASSE 1

KLASS 1 LASER APPARAT

The drive is certified in the USA to comply with the requirements of the Department of Health and Human Services 21 Code of Federal Regulations (DHHS 21 CFR) Subchapter J. for Class 1 laser products.

In other countries the drive is certified to comply with the requirements of EN60825.

Caution:

Do not open the drive. There are no user-serviceable parts or components inside. Use of controls, adjustments and operation of procedures other than those specified, may result in hazardous exposure to radiation. Class I (1) laser products are not considered hazardous. The drive has an internal, Class I (1), 0.5-milliwatt, aluminum gallium-arsenide laser that operates at a wavelength of 760 to 810 nanometers. The design of the laser system and the drive ensures that there is no exposure to laser radiation above a Class I (1) level during normal operation, user maintenance or servicing conditions.

NOTICE OF EMC COMPLIANCE

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 limitations 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 your dealer or a Radio/TV technician for help.

Use only shielded I/O cables to connect I/O devices to this equipment.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to use the equipment.

The highest SAR value for this model PBII tested by DASY4 for use at the touch body is compliance with FCC SAR limits.

Canadian EMI Compliance Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis de conformité aux normes du EMI du Canada

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Union CE Marking Declaration

This product has been tested and found to comply with the EMC requirements subject to the EU directive for CE marking.

FCC STATEMENT FOR FAXMODEM USERS

This equipment complies with Part 68 of the FCC rules. On the bottom of this equipment is the label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number for this equipment. IF REQUESTED, THIS INFORMATION MUST BE GIVEN TO THE TELEPHONE COMPANY.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area. If your telephone equipment cause harm to the telephone network, the telephone company may disconnect your service temporarily. If possible, they will notify you in advance. But if advance notice isn't practical, you will be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning. This equipment may not be used on any coin service provided by the telephone company.

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or their electronic device to send any message via a telephone facsimile machine unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission the following information:

- (1) The date and time of transmission;
- (2) Identification of either business, business entity or individual sending the message;
- (3) Telephone number of either the sending machine, business entity or individual.

In order to program this information into your fax/modem, please refer to the appropriate instructions in your fax/modem manual.

NOTEBOOK—TNV (Total Network Voltage)***Safety Caution***

CAUTION: To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord.

IMPORTANT SAFETY INSTRUCTIONS:

1. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of a leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal

Contents

Chapter 1 Introduction	1-1
1.1 Unpacking and setting up	1-1
1.2 Setting up the PaceBook as a notebook	1-2
1.3 Setting up the PaceBook in portrait mode	1-3
1.4 Setting up the PaceBook as an LCD PC	1-4
1.5 Setting up the PaceBook as a Tablet PC	1-4
1.5 Setting up the PaceBook as a Tablet PC	1-5
1.6 Accessories	1-5
1.7 Operating environment	1-5
Chapter 2 Before you begin	2-1
2.1 Notebook mode	2-1
2.2 LCD PC mode	2-2
2.3 Tablet mode	2-2
Chapter 3 Tablet	3-1
3.1 Front view	3-1
3.2 Bottom view	3-2
3.3 Left side-view	3-2
3.3 Left side-view	3-3
3.4 Top side-view	3-3
3.5 Power button and system status display indicators	3-3
3.6 Touchscreen	3-4
3.7 Scroll Wheel	3-5
3.8 Handwriting button	3-5
3.9 Rotation button	3-5
3.10 Menu button	3-6
3.11 Cleaning	3-6
3.12 CardBus / PC Card	3-6
Chapter 4 Keyboard	4-1
4.1 Overview	4-1
4.2 Mode selection	4-2
4.3 Keyboard Hot Keys	4-2
4.4 Keyboard power switch and power management	4-3
4.5 Touchpad	4-3
4.6 Replacing the keyboard batteries	4-3
4.7	Error! Bookmark not defined.-Error! Bookmark not defined.
4.8 Ergonomics	4-5
4.8 NumLock	4-6
Chapter 5 Standard Accessories	5-1
5.1 Case	5-1

5.2	-Error! Bookmark not defined.
5.3	Error! Bookmark not defined.-Error! Bookmark not defined.
5.4	Optical ROM drives.....	5-1
5.5	Cleaning cloth.....	5-2
5.6	Stylus.....	5-2
5.7	VGA dongle	5-3
5.8	Optical drive and cable carry cases.....	5-3
Chapter 6 Batteries		6-1
6.1	Changing the battery	6-1
6.2	Recharging the battery.....	6-1
6.3	Battery maintenance	6-2
6.4	Preparing the battery for storage	6-2
6.5	AC adapter power output	6-2
6.6	Power conservation.....	6-3
6.7	CMOS battery replacement and disposal.....	6-3
6.8	Battery Safety notice	6-4
6.9	AC adapter	6-5
6.10	Battery LED and alarm	6-5
6.11	Keyboard batteries	6-5
Chapter 7 Software		7-1
7.1	7-1
7.2	Re-installing Windows XP	7-2
7.3	Downloading new software drivers.....	7-2
Chapter 8 Power Management		8-1
8.1	Power Options	8-1
8.2	Auto insert for CD-ROM.....	8-1
8.3	Screen savers	8-2
8.4	Distributed computing	8-2
8.5	Video time-out.....	8-2
Chapter 9 Connectors and Peripherals		9-1
9.1	VGA port	9-1
9.2	Faxmodem	9-1
9.3	LAN port.....	9-1
9.4	Audio connectors	9-1
9.5	USB port	9-1
9.6	DC-out	9-2
9.7	IEEE-1394	9-2
9.8	IR interface	9-2
9.9	Legacy ports.....	9-2
9.10	CardBus / PC Card	9-3
Appendices		A-1

A.1	Specifications.....	A-1
A.2	Memory upgrade.....	A-2
A.3	Glossary	A-3
A.4	Returning your PaceBook.....	A-5
A.5	HDD Bay	A-5
A.6	FAQ	A-6

Chapter 1 Introduction

Thank you for purchasing the PaceBook. We are confident it will provide you with functionality and ease of use at home, at the office and on the road.

1.1 Unpacking and setting up



- | | | |
|--|-------------------------------|-------------------------------|
| 1. PaceBook case | 2. Keyboard | 3. PaceBook Tablet |
| 4. Recovery CD | 5. Power cable | 6. AC-adapter |
| 7. User Manual | 8. Presentation Stand | 9. Cable carry case |
| 10. Stylus Touch | 11. Digitizer Pen | 12. Carry straps |
| 13. PaceBook Battery | 14. VGA dongle | 15. 3M High Performance Cloth |
| 16. 4 AAA Duracell alkaline batteries for keyboard | 17. *Optical drive with cable | 18. *Optical drive carry case |

* = Optional

Please make sure that you have all the above items; if not, contact the dealer where you bought your PaceBook. The stylus will already be installed in the main unit. Optional accessories will be packaged separately from the PaceBook.

If you need to send your PaceBook for service or upgrade it is strongly recommended to use the original packing box and materials.

1.2 Setting up the PaceBook as a notebook

The PaceBook can be configured and used as a regular notebook. However, there is a special procedure for preparation and use.



Hold the PaceBook upright with the flap facing away from you.



Open the flap in the rear and let the PaceBook stand by itself. Ensure the Velcro that holds the flap is adjusted to the proper length to allow the PaceBook to stand upright.



Open the zippers and pull down the keyboard as shown above. The PaceBook is now ready to be used as a notebook computer.

1.3 Setting up the PaceBook in portrait mode

The PaceBook's unique design allows it to be quickly and easily transformed for use in portrait mode, perfect for reading electronic or online documents.

Simply press the rotation button (see insert in lower left picture) to rotate the image on your notebook 90 degrees, and you have the world's first portrait mode notebook!



The scroll wheel (located in the lower right corner) can be used to scroll through documents if applications support this function.

Now return to landscape mode:



1.4 Setting up the PaceBook as an LCD PC

In seconds, your PaceBook can be easily transformed from a notebook to an ergonomic desktop LCD PC. Use it as a notebook when you travel and as a desktop LCD PC in the office or at home.



For maximum comfort and functionality, we strongly recommend the optional Office Stand accessory for use in the home or office. This turns your PaceBook into a free-standing desktop LCD PC. Your PaceBook can be easily removed when you need to take it with you.



Instructions:

Firmly hold your PaceBook as shown above.

Remove the keyboard with your free hand.

Flip the lower cover underneath the stand.

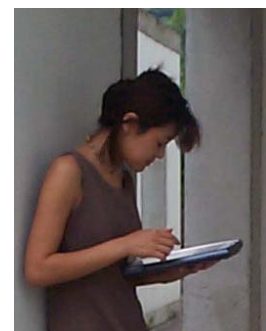
Adjust the flap so your PaceBook stands upright.



1.5 Setting up the PaceBook as a Tablet PC

The PaceBook modular system also allows you to use the display unit as a Tablet PC, for those times when using a keyboard is impractical or unnecessary. The Tablet features a built-in touchscreen, scroll wheel/mouse buttons, handwriting recognition and an on-screen virtual keyboard.

Use the Rotation button to set the Tablet into landscape or portrait mode.



1.6 Accessories

There are many standard notebook accessories available that can be used to enhance the functionality of your PaceBook. However, PaceBlade accessories are made especially for your PaceBook. For the latest accessories, check the PaceBook website at <http://www.pacebook.com>.

Accessories purchased with the PaceBook either online or through our resellers will be shipped in separate packaging. For additional shipping information, please contact your reseller or check online.

1.7 Operating environment

Care should be taken while traveling with or using the PaceBook system. When selecting a suitable working location, ensure that the environment has good ventilation and is temperature controlled. Your PaceBook functions best at room temperature. Choose a location free from extreme heat or cold. This environment should also be free of dust and dirt, as well as electromagnetic and RF interference.

Whenever using your PaceBook while walking or driving (for example, as a mobile DVD player or as a GPS receiver), it is preferable to stop while using to avoid personal injury. When walking with the PaceBook in Tablet PC mode, you should use the optional carrier.

Warning: Do not expose the PaceBook to extreme temperatures. Do not leave the PaceBook in a car. Do not drop, or spill fluids on the PaceBook, and do not open the case. Failure to observe these warnings may void your warranty.

The PaceBook's Liquid Crystal Display (LCD) may be damaged by exposure to intense sunlight, which builds up excessive heat inside the display enclosure. Only exposure to indirect or subdued sunlight is recommended.

Chapter 2 Before you begin

The PaceBook is much more than just another notebook PC. This chapter will help you discover the various ways you can use your PaceBook.

2.1 Notebook mode



The PaceBook is a modular PC system that allows you to use it as a notebook PC. For setup instructions, please refer to Chapter 1, Sections 1.2 – 1.3.

All the connectors and sockets on the PaceBook Tablet are located in the upper left corner. For more information on the connection ports refer to Chapter 3, Sections 3.3 and 3.4.

Once set up and turned on, your PaceBook



functions just like any other notebook PC.

However, the PaceBook also features a unique rotation button, so that allows the screen image can be displayed in either landscape or portrait orientation. For more information on the rotation feature, refer to Chapter 3, Section 3.9.

Warning: Medical experts have warned that prolonged use of notebook computers may be harmful to your health. Repetitive Stress Injuries (RSI) to hands, wrists, neck and lower back may occur. Please visit our website (<http://www.pacebook.com>) for more information about RSI and how the ergonomic PaceBook addresses these issues.

2.2 LCD PC mode

The PaceBook's modular design allows it to be transformed into an ergonomic LCD PC. Please refer to Chapter 1, Section 1.4 for setup instructions.

The PaceBook Tablet can be separated from the keyboard and positioned at an ergonomic, comfortable distance. You may use the standard case, the included Presentation Stand or PaceBlade's Office Stand. With all these, you can use your PaceBook in either landscape or portrait modes.

The keyboard can work up to 15m away from the PaceBook Tablet, depending on the condition of the batteries and the surrounding environment. Read more about the keyboard in Chapter 4.



2.3 Tablet mode



The Tablet's touchscreen means that by using the included stylus you can perform tasks normally requiring a keyboard and/or mouse. A built-in onscreen keyboard and handwriting recognition can also be used. For more on these see the Chapter 7.

In landscape mode, you can use the Tablet as a presentation tool or as a portable DVD player. In portrait mode, you can use the Tablet to wirelessly browse the web or to read electronic documents, such as Adobe Acrobat PDF files or eBooks.

The Tablet is the perfect tool for people requiring convenient, mobile PCs for data entry. **PaceBlade** has created a number of optional carrying accessories for easy portability, or for totally hands-free computing. See <http://www.pacebook.com/> for details.

Chapter 3 Tablet

3.1 Front view

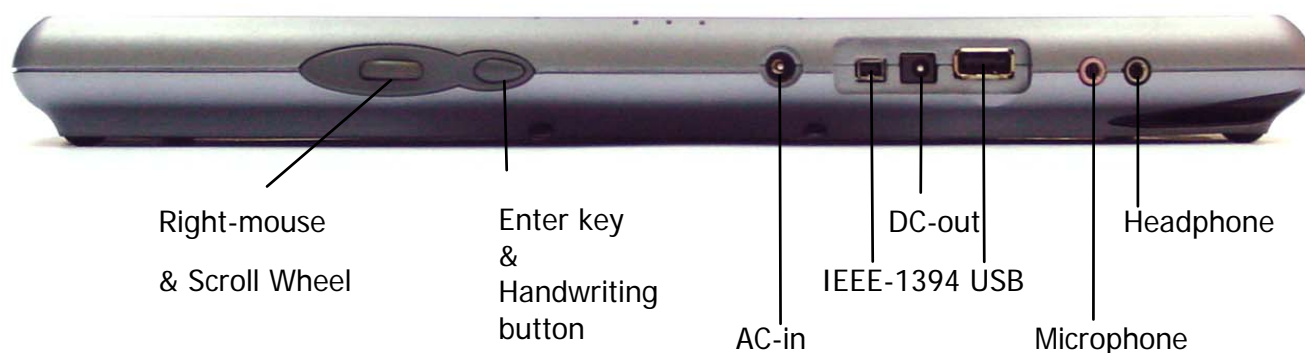


Warning: The touchscreen can be easily scratched, so avoid using sharp objects like screwdrivers, knives, pens and pencils. Only use the stylus supplied with the PaceBook, or your finger. If you damage the touchscreen through improper care, your warranty may be voided. Should the touchscreen become broken or damaged, please return it to a service center for repair or replacement.

3.2 Bottom view



3.3 Left side-view



3.4 Top side-view



3.5 Power button and system status display indicators

Your PaceBook's power button is used to turn the unit ON and OFF. It is also used for security and power management. The following descriptions are based on Windows XP configuration and may change in the future.



Power ON

To turn ON your PaceBook, press and release the power button. The blue power LED on the right side will light up and stay on slightly dimmed.

Power OFF

To turn OFF your PaceBook click the Start button on the Windows taskbar and then choose Shut Down. If for some reason the PaceBook has stopped responding, and you are unable to turn it off normally, press and hold down the Power button for 4 seconds. Power to the system will be cut and the unit will turn off. Any unsaved data will be lost.

Suspend mode

To enter suspend mode, press and release the Power Button while within Windows. The PaceBook will enter suspend mode. To resume from suspend mode, simply press and release the Power button again.

Main Battery charge indicator (left)

An orange indicator will show when the Main Battery is charging. This indicator flashes when the Main Battery is in trickle charge mode (unit is turned on). If this indicator flickers continuously for more than eight hours, then this indicates that the battery may be damaged. Do not try to repair the battery. Contact your dealer or visit www.pacebook.com for a replacement.



Power and HDD icon (right)

This icon indicates the hard disk status. When the unit is in Standby mode, this indicator will flash. When the LCD standby timer is reached and the LCD shuts off (when the unit is on) this LED will light up.



Changing defaults

To change the power settings, or restore settings after re-installing Windows XP, go to **Control Panel** -> **Power Options**, and on the **Advanced** tab under **Power Buttons** choose **Stand By**.

WLAN ON/OFF INDICATOR

This icon indicates the internal Wireless LAN Card status. When the unit is connected to a wireless access point the LED will light up blue.

3.6 Touchscreen

The LCD screen is covered by a resistive touchscreen that can be operated by your finger or the stylus. Simply touch or drag your finger or stylus to where you want the mouse cursor to be located. Tapping the touch screen twice is equivalent to a left mouse click. For a right click, place the cursor where you want it, then press down and release the scroll wheel. The resistive touchscreen does not support the hovering function.

Warning:

Do not use sharp objects such as keys, pens, pencils, knives or other metal objects that can scratch the coating on the touchscreen. Scratching the sensor coating may cause the touchscreen to fail, which would require repair or replacement. Failure to abide by these warnings will void your warranty.

3.7 Scroll Wheel

The Scroll Wheel on the side of the PaceBook works like the scroll wheel on a mouse device. With applications that are Scroll Wheel aware, you can control the scrolling of information or pages through documents or presentations. Pressing the Scroll Wheel also acts as a right-mouse click.

To control the Scroll Wheel's speed, press the Menu button to open the Menu. Click on Hot Keys.



3.8 Handwriting button

The Handwriting button launches the on-screen handwriting program. It is highly configurable, and perfect for working in Tablet mode.

For more details, see Chapter 7.



3.9 Rotation button

The Rotation button is located to the left of the power button. Use it to switch the display orientation between landscape and portrait modes. Press and release the button, and the screen image rotates 90 degrees.

Rotating the screen helps you work more effectively, letting you select the most suitable format for the application or task you're working on. Landscape mode is perfect for viewing spreadsheets or presentations, while websites, or reading/editing other types of electronic documents may be better viewed in portrait mode.



3.10 Menu button

The PaceBook offers a convenient and easy to use Menu button interface for accessing commonly used applications. You can easily configure the applications for ultimate flexibility and convenience.

Instead of navigating the complex hierarchy which begins with the Windows' Start button, the PaceBook Menu provides simple one-button access to commonly used features including: Volume/Mute control, Backlight control, access to Windows' Media Player, Recorder and Calculator. Other buttons provide access to an on-screen keyboard, PaceBook calibration and Hot Key customization settings, and handwriting recognition.

For details about the Menu, see Chapter 7.



3.11 Cleaning

To clean your PaceBook's screen, use your 3M High Performance Cloth. Do not use tissue paper to clean the PaceBook screen since the tissue fibers may become lodged between the touchscreen and the top cover of the PaceBook unit.

Liquid solvents or other types of abrasive chemicals should not be used since they may damage the touchscreen or the surface of your PaceBook. Failure to follow these precautions may void your warranty.

3.12 CardBus / PC Card

The PaceBook features a single Type II PC-Card slot. When inserting PC-Card adapters, make sure the label side (top) of the card is facing away from the LCD display side of the PaceBook.

If you have inserted a PC-Card adapter the wrong way, it will not slide into the PC-Card slot. Do not force the PC-Card into the slot as it may damage both the PaceBook and your PC-Card adapter.



3.13 Presentation Stand

Your PaceBlade comes with a Presentation Stand, which is ideal for traveling, working in small spaces or for presentations. Simply hold the front of the Presentation Stand and gently pull the T-bar upwards. You can then rest your PaceBook in either landscape or portrait mode.



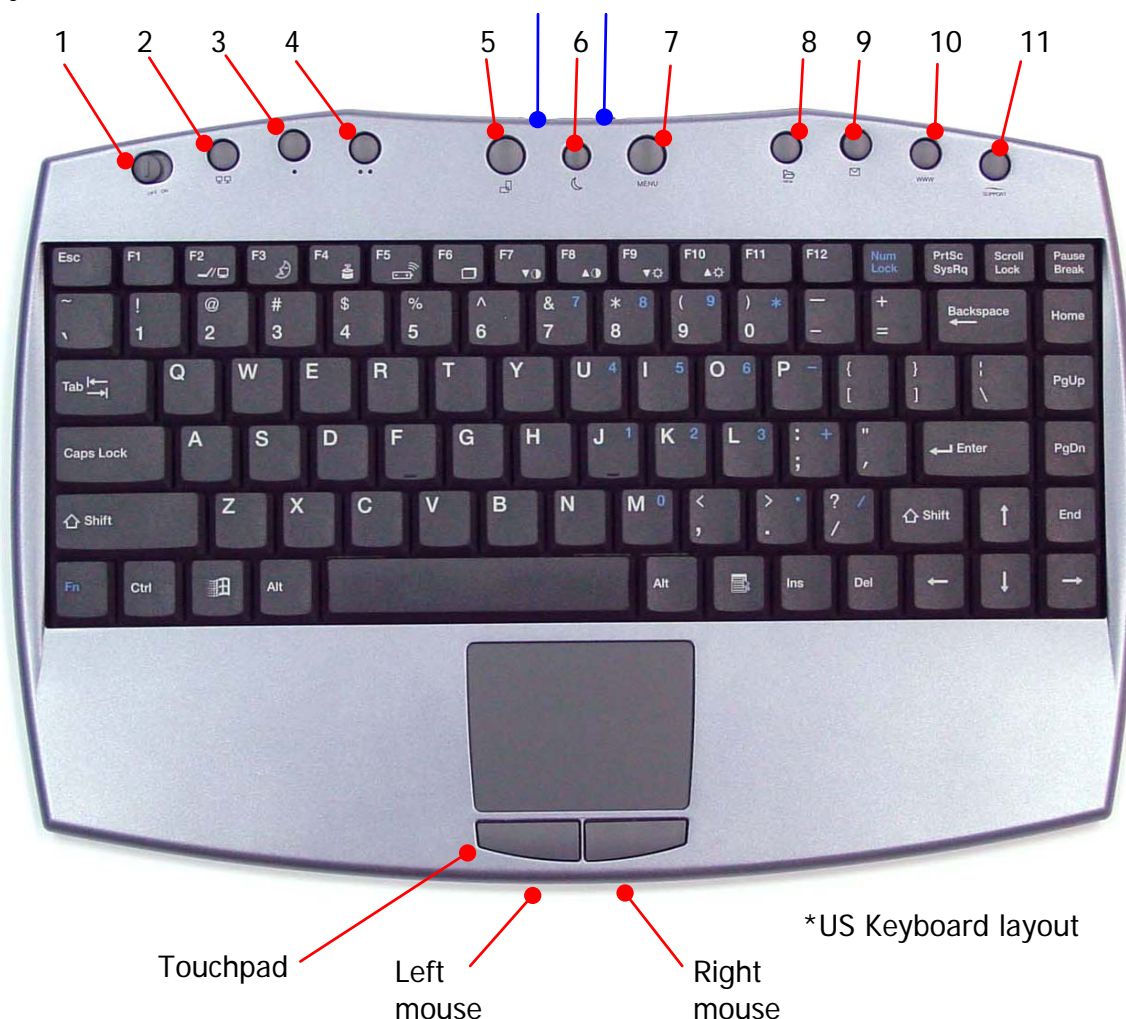
Chapter 4 Keyboard

Your dual-mode keyboard can be used wirelessly up to 15 meters (45ft) from your PaceBook, or via USB. In wireless mode, the keyboard uses commercial infrared, and does not need a clean line of sight; the signals will bounce off nearby objects.

4.1 Overview

Hot Keys

IR transmitters



Notice:

Do not completely block the IR transmitters or the IR receiver on the Tablet since this will make it impossible for the IR signal to be received.





4.2 Mode selection



USB mode: Attach one end of the USB cable to your PaceBook and the other to the keyboard, via either the round or standard ports. It is important that the cable is attached to the PaceBook first.

IR mode: Switch on the keyboard's battery power, using the switch on the upper right of the keyboard.

Notice: If the keyboard is left switched on, it will automatically switch to power saving mode after 4 minutes. Press the Enter key to resume operation.

4.3 Keyboard Hot Keys

1	OFF ON	Keyboard power On/Off
2		Dual View – If you have either an LCD projector or an external monitor attached you will be able to run two applications (for instance PowerPoint and Internet Explorer) at the same time on two separate screens or one application extended over two screens
3	•	Programmable 1: Click this key to program it, either for an Internet link, application or a program
4	• •	Programmable 2: Click this key to program it, either for an Internet link, application or a program
5		Rotation – Allows you to select between landscape or portrait display modes
6		Sleep – Puts your PaceBook into sleep mode. Press the Handwriting button on the PaceBook, or any key on your keyboard to wake it up
7	MENU	Menu – Opens and closes the PaceBook Menu application for shortcuts to common applications and settings
8		My Documents – Instant access to your My Documents folder

9		Email – Opens your default email application
10	www	www – Opens your web browser to your default start page
11		Support – Links to the PaceBook website, with Bulletin Board, downloads and more

4.4 Keyboard power switch and power management

Your PaceBook's keyboard has been designed with advanced power management functionality in IR mode. If the keyboard is not used for 10 minutes, the touchpad completely deactivates. To wake the keyboard up, press any key, and within a few seconds the keyboard and touchpad will be fully activated.

We recommend that you turn off the keyboard by sliding the keyboard power switch to the OFF position when you are not using the IR mode, as even when it is not transmitting, it will continue to draw battery power. For best performance, PaceBlade recommends using Duracell brand alkaline batteries in your PaceBook.

4.5 Touchpad

The built-in touchpad device on the wireless keyboard can be used to control the mouse pointer (cursor). The touchpad is the flat, square area located just below the keyboard. The touchpad device detects the position or movement of a finger in contact with it. To move the pointer, slide your finger in the direction you would like it to move. The functions of the buttons on a standard two-button mouse are replicated by the two buttons beneath the touchpad. It is also possible to 'left-click' by tapping on the touchpad surface.



4.6 Replacing the keyboard batteries

The lifespan of the keyboard batteries depends on how much you use IR (wireless) mode. If the keyboard is used wirelessly everyday, they will between 1 and 2 months, however with a combination of USB and wireless usage, they will last much longer. To preserve battery power, always switch the keyboard off when you are not using the IR mode. For optimal performance we recommend Duracell brand batteries.

To replace the batteries, place the keyboard keys down on a flat surface. Remove the battery cover located near the top right corner by sliding it to the right. Replace the batteries. The keyboard uses 4 AAA batteries. Do not mix new and old batteries.

4.8 Ergonomics

As notebook PC use increases, the potential danger of injury resulting from using non-ergonomic computing devices increases. Users risk injuring their hands, wrists, neck, shoulders and lower back due to the uncomfortable and unnatural posture required while using a notebook PC.

The resulting injuries, commonly classified as RSI (Repetitive Stress Injuries) can be very serious and have long term implications on work, health and quality of life. It is not uncommon for those affected to leave computer-dependent careers, or be unable to perform daily tasks such as driving or dressing themselves. The reality is that these types of injuries are far easier to prevent than to cure.

While proper posture remains the single most important factor for minimizing the risk of personal injury, taking regular breaks and performing simple exercises also help to reduce the muscle tension and stress which is a precursor to RSI. The PaceBook has been designed in accordance with ergonomic guidelines, to minimize risk to workers who use computers on a daily basis.



The key to maximizing user comfort and ergonomics, is to separate the keyboard from the display. The display should be placed at an optimal distance allowing the user to sit in a natural, comfortable upright position. The keyboard should remain close to the user so that the user's arms and wrists can rest in a comfortable position. Since the Tablet can be separated from the keyboard, and used either in the case, Presentation Stand or on the optional Office Stand, it is unique among mobile PCs in terms of ergonomics, functionality and user convenience.

For more information on the PaceBook and issues related ergonomics and RSI, see <http://www.pacebook.com/>

4.8 NumLock

Click on the NumLock key in the upper right area of the keyboard to activate the numeric keys (see picture).



Design subject to change.

Chapter 5 Standard Accessories

5.1 Case

Your PaceBook's case is an integral part of the modular PaceBook system. The case's design makes it possible to use your PaceBook not only as a notebook but also as an ergonomic LCD PC.

The case also supports use of the PaceBook in both landscape and portrait display modes.



5.4 Optional Optical ROM drives

The PaceBook can be used with a 24x CD-ROM, an 8x DVD-ROM, an 8x-8x-24x CD-RW or an 8x-8x-8x-24x Combo DVD/CD-RW drive. For information about these optical drives, see <http://www.pacebook.com>.



The PaceBook utilizes IEEE-1394 (also known as FireWire) as the standard interface for optical drives. While external USB drives are more commonplace, the USB 1.1 specification only has 12Mb/sec of bandwidth which is not high enough for high speed data streams required for playing DVDs or while burning CD-R/CD-RW discs. Furthermore, if you have other USB devices connected, they will also use some of the USB bandwidth reducing the total available bandwidth.

IEEE-1394 offers 400Mb/sec of bandwidth which is nearly 40 times that of USB, allowing smooth playback of DVDs without frame drops, and ensuring that buffer under runs are not encountered while burning CDs.

The included IEEE-1394 cable has two connectors: one for data and the other for DC power. Since the 1394 specification is only a signaling standard, and does not supply power, the inclusion of a power connector means the PaceBook is the world's first truly mobile PC/DVD player.

Warning: Never unplug the optical drive while it is loading or recording data. Doing so may damage your PaceBook, the optical drive or damage the CD-R/CD-RW disc being burned.

Note: You may use your optical ROM drive on any other computer with a standard IEEE-1394 connector, but you will need to purchase an optional AC adapter. However, you may not be able to boot from the optical drive on other computers. (For accessories go to <http://www.pacebook.com/>).

5.5 Cleaning cloth

Your PaceBook comes with a special cloth made especially by 3M for PaceBlade. This High Performance Cloth is ideally suited for cleaning fingerprints and dust from the touchscreen. It can also be used to cover the keyboard in the case to protect the keyboard against scratches.

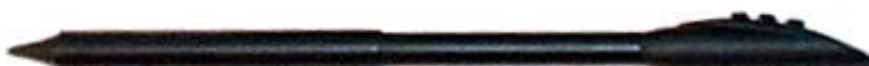
Only use the supplied 3M cloth to clean the PaceBook touchscreen. Never use any liquids, sprays, detergents or other abrasive chemicals or agents to clean the touchscreen, as this may result in damage.

5.6 Stylus



Your PaceBook's specially designed, telescoping stylus is stored in the upper right corner of the Tablet. When needed, simply remove the stylus and extend it to its full length.

While the touchscreen can be used with the stylus or a finger, do not use sharp or metallic objects as this may result in damage. Damage to the touchscreen resulting from improper use will void your warranty.



Your PaceBook is also equipped with an Active Digitizer Pen. This allows you to use enhanced software capability's under Windows XP Tablet Edition.

5.7 VGA dongle

The VGA dongle allows you to connect a standard VGA connector to an external monitor or projector.



5.8 Optical drive and cable carry cases

Two small carry cases are included with your PaceBook. Use these to carry your optical drive, as well as your adapter and cables. The bags can be attached to your belt with the belt loops or carried with the carry strap.



Chapter 6 Batteries



← Battery release latch

6.1 Changing the battery

To change your PaceBook's battery, place it on a suitable, flat surface, with the 3M cloth underneath to protect the display from accidental scratches or other damage.

Open the battery cover by sliding the lock to the left. Remove the battery by lifting it up towards you from the bottom edge.

You can remove a fully charged battery and exchange it for a discharged battery provided the AC adapter is plugged in and supplying AC power. Your PaceBook will continue to charge a battery while it is in use.

Warning:

Handle the PaceBook's batteries with care. Do not tamper with or insert metal objects into the connectors. This can lead to a short circuit of the Li-Ion battery pack, which may result in explosion, fire or injury.

Old or damaged batteries should be disposed of properly. Please return the battery to a battery collection center or return it to your PaceBook distributor for proper disposal.

6.2 Recharging the battery

To maintain optimal battery performance, ensure the battery pack is fully discharged prior to charging. Check battery status by clicking the battery indicator in the system tray at the lower right corner of your screen while in Windows.

The battery will start to charge once the AC adapter is connected. While in Windows, the battery icon will change into the AC charge icon (power plug with electricity symbol).

Do not interrupt the charging process until the battery is fully charged. The AC charge icon will change into a power cord without the electricity symbol superimposed, indicating that the battery is no longer being charged.

You can check battery power or charging status by double-clicking the battery/charge icon in the system tray.

6.3 Battery maintenance

To maintain peak battery performance, you should occasionally let the PaceBook discharge the battery completely before recharging the battery again. To deplete the battery, disconnect the AC adapter and let your PaceBook use up the remaining battery power.

When the PaceBook's battery capacity reaches the critical level (3% battery charge), the PaceBook will automatically enter hibernation mode, saving your current machine state and then powering down. Wait for the PaceBook and battery pack to cool down to room temperature before connecting the AC adapter to recharge the battery.

The main battery charge indicator will light up while the PaceBook is charging the battery. The LED will turn off when the battery is fully charged. The next time you turn your PaceBook on, it will resume operation from where you left off.

6.4 Preparing the battery for storage

Storage temperature and humidity

Storage of the battery outside the specified temperature range or in extremely high humidity may accelerate deterioration of the battery's chemical composition, cause leakage or corrosion of metal parts.

This battery is a Li-Ion type; lithium is a highly combustible material, especially when it is exposed to oxygen. Do not store the battery in environments with excessive heat, and do not drop the battery from heights that may cause the battery pack to break open. These conditions may cause the battery to explode or catch fire.

Long storage (more than 3 months)

In case of long storage, the battery should be charged to at least 30-50% of capacity to account for gradual loss by self-discharge and to avoid deterioration of battery performance. The battery voltage decreases faster during long storage than during normal discharge conditions. When the battery voltage falls below 1.5V/cell, the effective capacity will drastically decrease even after recharging. Do not fully charge the battery for long storage, as a full charge condition accelerates self-discharge rates as well.

6.5 AC adapter power output

The PaceBook's power supply uses C.P. (Constant Power) management. While the system is off, the power supply provides 35 Watts to fully charge the PaceBook. While the PaceBook is on, the power supply provides system and charger power at a maximum output of 48 Watts.

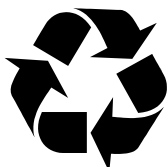
6.6 Power conservation

While your PaceBook has built-in power management, there are measures you can take to reduce overall power consumption, and maximize battery life:

- use AC power whenever possible
- lower the intensity of the LCD backlight - a very bright screen uses more power
- don't use "screen savers" since these use a lot of the CPU power - a blank screen minimizes power consumption.

6.7

6.8 Battery Safety notice



RECHARGEABLE BATTERY

Li-Ion Type

DO NOT CRUSH, PUNCTURE, INCINERATE OR SHORT EXTERNAL CONTACTS. LITHIUM-ION BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY. PLEASE USE ONLY WITH SPECIFIED CHARGER AND SUPPLIED AC ADAPTER FOR BATTERY CHARGING.

CAUTION

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

VORSICHT!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie. Ersatz nur durch denselben oder einen vom Hersteller empfohlenen gleichwertigen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

ADVARSEL!

Lithiumbatteri Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Lever det brugte batteri tilbage til leverandøren.

VARNING

Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

6.9 AC adapter

The supplied AC adapter is a universal adapter and can accept input voltages from 100V – 240V. The universal AC adapter will allow you to charge and/or operate your PaceBook anywhere in the world. However, the supplied power cord is region specific. You may need to purchase plug adapters in order to plug in the power cord in other countries.

Notes: Use only the supplied AC adapter with your PaceBook. The AC adapter will accept line voltages from 100V - 240V. You may purchase additional power cords for other countries from PaceBlade or your dealer; electrical outlet adapters may be purchased from electronics stores.

Caution: This unit is to be used with Li Shin Enterprises model LSE9802A1660

Attention: Pour utiliser avec Li Shin Enterprises modèle LSE9802A1660

6.10 Battery LED and alarm

A battery low alarm will sound on your PaceBook when approximately 10 minutes of battery life remains. This alarm will continuously beep until it is turned off by pressing Fn + B on the keyboard, or until the AC adapter is plugged in and the PaceBook starts to recharge.

If the PaceBook reaches the critical battery level (3 minutes battery life) it will go into hibernation mode and save the state of the machine at that point. After you have fully recharged your PaceBook or use it with an AC adapter, it will restart from the point at which hibernation mode was engaged. To restart from hibernation mode, simply press and release the power button.

6.11 Keyboard batteries

PaceBlade recommends the use of Duracell brand alkaline batteries for use in the wireless infrared keyboard. The keyboard requires four (4) AAA size batteries. See Chapter 4, Section 4.5 for information about how to change the batteries in the keyboard.

Chapter 7 Software

7.1

7.2 Re-installing Windows XP

Warning: Re-installing Windows XP using the included recovery CDs will destroy all your data! Ensure that you back up all of your important data before using the included recovery CDs. For backup, external 1394 hard drives or CD-RW drives can be useful.

To re-install Windows XP on your PaceBook, connect your optical drive to your PaceBook using the 1394 cable.

1. Backup all of your important personal data! When finished, shut down the PaceBook.
2. Insert the Windows recovery CD into the CD drive.
3. Turn on the PaceBook and follow the on-screen instructions to restore your PaceBook to its original, default configuration.

7.3 Downloading new software drivers

Occasionally, newer drivers for your PaceBook will be released on the PaceBook website to fix bugs or to address other issues. The PaceBook uses special drivers and/or applications for the following system devices:

- System chipsets: CPU, core logic, graphics
- Keyboard
- Touchscreen
- Backlight control
- Handwriting recognition

All drivers are Microsoft Windows 2000/XP compatible. We recommend that you regularly check for the latest drivers and software updates, or register to receive email updates. For the latest drivers and software, click on the Support button on the keyboard or go to <http://www.pacebook.com>.

Note: If you register your PaceBook online you can also choose whether you wish to be informed via email when new drivers or updated system software becomes available.

7.4 Menu

The PaceBook menu is a simple to use interface for the PaceBook's most commonly used functions and settings.

The Menu features:

- volume and backlight level controls
- shortcuts to Windows Media Player, Calculator, and Sound Recorder
- virtual keyboard
- Hot Key, Keyboard, Handwriting, Touchscreen, and Scroll Wheel settings
- area for your own shortcuts

Adding and removing shortcuts

You can customize the Menu with your own most-used programs, making accessing programs much faster than navigating through the standard Windows interface. To add shortcuts to the Menu:

1. Press the **Add** button
2. A dialogue box will appear. The menu will populate this dialogue with a tree view of the programs installed on your computer. This may take some time depending on the number of programs in your programs folder.
3. Either select the program you want and press tick, or double click a program to add it to the shortcuts area.
4. Press the tick button when you have added all of the programs that you want.

Note: Only one shortcut can be added for each program.

To remove programs, press the **Remove** button and then follow the process described above.

Backlight level:

The Backlight controls how bright the screen is. It has two levels, one for when the PaceBook is running on AC power, and one for when it is using battery power. The Menu remembers the last levels set. If you are using an external monitor or projector, you may choose to switch off the Backlight to conserve power. You can switch it back on by pressing the Menu button.

Calibrating the touchscreen:

To improve the accuracy of the touchscreen, it is advised that it be calibrated. To do this, press the **Calibrate Touchscreen** button. The screen will display 5 targets. Using your stylus, touch the center of each target, using the most natural angle and pressure.

Chapter 8 Power Management

Your PaceBook's default power management configuration strikes a balance between performance and battery life. For most users this setting will be most suitable for daily use. However, you may choose to optimize your power management settings for better performance or better battery life.

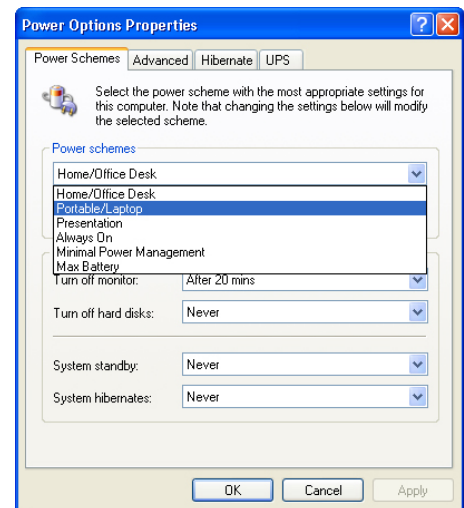
8.1 Power Options

Use Power Options to easily customize the power settings to suit your requirements. Power Options includes some configurations that alter how and when certain system devices power down in order to save power.

In general, the lower the time you enter, the longer the battery life. You can choose among the various profiles or customize your own profile.

Select **Start -> Control Panel ->**

1. Click the **Performance and Maintenance** icon
2. Click the **Power Options**
3. Select the appropriate profile or create your own



8.2 Auto insert for CD-ROM

Auto insert works by scanning the contents of CDs when they are placed into the CD-ROM and then automatically identifying what type of CD data is on it. You can then instruct Windows to take specific actions; such as always opening the Media Player when an audio CD is inserted. The constant polling of the CD-ROM drive that is required for auto insert to work drastically reduces battery life. The PaceBook's default configuration for CD-ROM auto insert is off.

To change the auto insert configuration, go to **Start -> Control Panel**

1. Double click the **System** icon and select the **Device Manager** tab
2. Double click the **CDROM device** and select the CD-ROM drive
3. Select the settings tab, check or uncheck "**Auto-insert notification**" to enable or disable this feature

8.3 Screen savers

Screen savers were originally developed for CRT based monitors to save them from “image burn-in” that results when you have the same image being projected over a long time. LCD displays do not have this issue. By enabling a screen saver, the LCD display never turns off and the CPU can not enter its lowest power state. By default, your PaceBook does not have any screen savers enabled in order to minimize system power consumption.

8.4 Distributed computing

Distributed computing applications such as SETI (Search for Extra Terrestrial Intelligence) and United Devices' UD (Cancer Research) have recently become popular. These client programs process pieces of data and send back the results to a central server.

While the concept of distributed computing, i.e. harnessing the power of individual PCs to create a networked super-computer, is very compelling, these programs use up all of your CPUs spare computing power. This means that your PaceBook will run its CPU at nearly 100% capacity constantly. If you run such applications on your PaceBook, it will cause the CPU to run hot, and will substantially reduce your overall battery life. We recommend that you do not run such distributed computing applications on your PaceBook.

8.5 Video time-out

Video time-out settings have a large impact on battery life. In the **Power Options** settings panel, you can specify the period of inactivity (time in minutes) before the LCD/External display will shut down. Generally, shorter time-out periods will result in greater power savings and longer battery life.

Chapter 9 Connectors and Peripherals

9.1 VGA port

Via the VGA port, you can connect an external monitor, such as a standard CRT monitor or an LCD projector.

The VGA dongle is a standard accessory with your PaceBook. Use it to connect a standard VGA connector to the PaceBook.



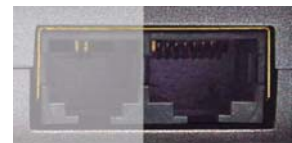
9.2 Faxmodem

Your PaceBook has a built in Faxmodem. Use this port for telephone connections to your "dial-up" ISP, for fax or Internet services.



9.3 LAN port

The 10/100Mbps Ethernet port can be used for networking or broadband connections to the Internet through a LAN, cable or xDSL modem.



9.4 Audio connectors

There are two audio connectors; Microphone and Speaker out. Your PaceBook includes a built-in microphone and two stereo speakers.



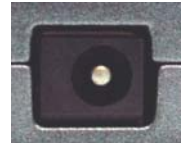
9.5 USB port

USB stands for Universal Serial Bus; this is a connector for keyboard, mouse, digital camera, joystick, printer, scanner etc. The USB has replaced older ports like Serial and Parallel as well as PS/2. These ports can be used via a port replicator. The PaceBook has one standard USB 2.0 port on the side of the PaceBook.. For information on PaceBlade's Port Replicator and other accessories, visit <http://www.pacebook.com>.



9.6 DC-out

The DC-Out port (Figure 3.3 Left-side view) is used in conjunction with the USB or the IEEE-1394 port to provide additional power. USB can only handle 500mA and 4-wire IEEE-1394 supports no power. When you use an external hard disk, CD-RW or DVD-ROM the power for these devices goes over the DC-Out port.



The DC-out port supports up to 2A, for greater current use an external adapter for the device.

Note: Using the DC-out will take power from the main battery and reduce battery life significantly.

Warning: Only use PaceBlade approved accessory cables; otherwise your Tablet may be damaged.

9.7 IEEE-1394

IEEE-1394 (Figure 3.3 Left-side view) is also known as FireWire (Apple) and i-Link (SONY). This is a very high-speed port, often used for digital video cameras. But this high speed port is also suitable for CD-RW, DVD-ROM, HDD, networking, peer-to-peer connection, etc.



9.8 IR interface

The keyboard to the PaceBook uses infrared technology (IR) to communicate with the main unit. This is a proprietary standard for the PaceBook. Other accessories using this IR interface are also sold, including desktop keyboard, wireless mice and remote controls.



9.9 Legacy ports

The PaceBook is fully compliant with PC2001 requirements. If you need to connect accessories that use legacy communication ports like serial port, parallel port, and PS/2, you can do this using the Port Replicator.

9.10 CardBus / PC Card

The PaceBook has one Type II PC Card slot. It is very important that you insert the cards with the labels down. If a card does not fit, do not force it. Check the orientation and try again.



Appendices

A. 1 Specifications

CPU	INTEL ULV (Ultra-Low Voltage) Centrino Pentium M 1.1GHz
SouthBridge	Intel 855GME
Memory	See Control Panel -> System, for memory Memory Expandable to 0-1 GB, 200-pin x1, SO-DIMM (DDR PC2700)
Cache (L1 / L2) 1MB	
Display control	INTEL 855GME
WireLess LAN	Mini-PCI 802.11 b/g
LCD	TFT Color, 12.1" XGA
Battery	Re-chargable Li-Ion (3600 mAH)
Pointing device	Touchpad, Touchscreen (5-wire) and EM Digitizer (FinePoint)
Power management	ACPI, PC-2001 compliant
BIOS	Phoenix, Plug & Play, 4MB
Disk drives	HDD (Exchangeable), 2.5", 9.5mm height
SoundAC-97	CodecREALtek ALC202
I/O ports	VGA out, Microphone/Speaker jacks, 1 USB 2.0, IEEE-1394, Faxmodem, LAN, Power out, AC-in, 56K modem, 10/100 Ethernet
PCMCIA	Type II x 1 PCMCIA Card Bus Controller, TI 1410
Power adapter	45W (min.) AC 100-240 V

A.2 Memory upgrade

Your PaceBook's memory can be easily expanded up to a maximum of 1GB.

To install memory expansion modules, follow these steps:

1. Power off the PaceBook and disconnect the AC power cord, also remove the battery (see Chapter 6 for how to do this).
2. Disconnect all peripheral devices.
3. Turn the PaceBook around and locate the memory slot (see picture above).
4. Remove the two screws and open the cover.
5. If there is a memory module already installed, remove it and replace with the new one.
6. Make sure that the memory card is firmly installed, then replace the cover and the screws.



RAM combinations (example):

Extra	On-board	Total Available
0MB	0MB	0MB
256MB	0MB	256MB
512MB	0MB	512MB
1GB	0MB	1GB

Only use 200-pin DDR modules, 3.3V only. Please consult www.pacebook.com for a list of approved DRAM modules.

A.3 Glossary

APM	Advanced Power Management, an operating and application level of power management, your PaceBook is fully compatible with APM
BIOS	Basic Input Output System. To modify the BIOS settings, press Delete when your PaceBook starts.
Bit	A binary digit, the smallest unit used in a computer. Eight bits makes a byte.
Boot	To load the operating system into memory and start it
BUS	Electrical circuit within the system, used to transmit data from one device to another. Your notebook uses only PCI buses, the PCI bus is much faster than the previous ISA bus.
Byte	8 bits
Cache	Very fast kind of memory, your CPU has 128KB of Level 1 cache. There is also a Level 2 cache of 512KB.
CardBus	The bus for your PC Cards
CMOS	Special Low power memory, this memory is preserved even if you turn off the PaceBook, the BIOS code is saved here. See Chapter 6 for details.
CTS	Carpal Tunnel Syndrome -- a serious injury in your wrists. See RSI.
CPU	Central Processing Unit, your PaceBook is equipped with a very low power consuming CPU, called Transmeta Crusoe model number 5600 or 5800. For more information please visit: http://www.transmeta.com .
CRT	Cathode Ray Tube, or external monitor
DMA	Direct Memory Access
DOS	Disk Operating System
DRAM	Dynamic Random Access Memory
DVD	Digital Versatile Disk -- large data capacity disk. Mostly used for high quality movies, but also used for games and other software.
FDD	Floppy Diskette Drive. The storage of a standard diskette is 720KB, 1.2MB (Japan only) and 1.44MB. The PaceBook can use a FDD over the USB port.
HDD	Hard Disk Drive. This is the main storage device in your PaceBook, the storage capacity is measured in GB (GigaByte). You can change the hard disk quite easily. Check Appendix E for more information.
IDE	Integrated (or Intelligent) Drive Electronics. Your main hard disk is an IDE device.
I/O	Input/Output

IRQ	Interrupt Request, every device has an IRQ number, if two devices share the same number there will be a conflict and none of the devices will work.
KB	Kilobyte (1024 bytes)
LAN	Local Area Network. Your PaceBook has a 10/100Mbps LAN connector built-in.
LCD	Liquid Crystal Display -- a common name for your PaceBook's screen.
MB	Mega Byte (1 million bytes).
OS	Operating System, your PaceBook comes with Windows XP Home or Professional edition
Partition	A logical unit created on the HDD, which the OS sees as a separate drive
PCI	Peripheral Connect Interface. Bus interface in your PaceBook.
PCMCIA	Personal Computer Memory Card International Association, credit card size that can contain: memory, SCSI adapter, Video capture, Wireless LAN, etc.
Pixel	Image elements (small points), that compose a screen image
RAM	Random Access Memory
ROM	Read Only Memory. This memory contains the BIOS where all information about your notebook is stored
RSI	Repetitive Stress Injury, many people develop RSI by using non-ergonomic computers or sitting in a non-ergonomic posture while typing. We recommend separating the keyboard from the Tablet when you work for more than 1-2 hours at a time.
SVGA	Super Video Graphics Array (SVGA), can support up to 16,000,000 colors, but this may be limited by the computer's video memory. Image-resolution specifications vary. Also see VGA and XGA.
TFT	Thin Film Transistor. The best kind of color LCD. Also called active color. The speed and brightness is much better than DSTN.
Touchpad	A pointing device to move your cursor
USB	Universal Serial Bus
VGA	Video Graphics Array. A standard for 640x480 resolution, also see SVGA and XGA.
XGA	1024x768 pixels resolution. Also see VGA and SVGA.
ZV-port	Zoomed-Video port, this is a kind of PCMCIA card that is much faster than standard PCMCIA cards, your notebook is fully compliant. The ZV-port is located on the CardBus.

A.4 Returning your PaceBook

After you have enjoyed your PaceBook for many years, and feel it's time for it to retire, please return it and any accessories to PaceBlade. PaceBlade or your dealer will accept these and will responsibly recycle components.

A.5 HDD Bay

Warning: Only do this if you know what you are doing. Damage caused by replacing the HDD will void the warranty!

Removing the Main HDD

- The PaceBook must be turned off (not in sleep state)
- Slide the Battery release knob to the unlock position and hold it in place
- Remove the battery cover and the battery
- Unscrew the screw that keeps the HDD in place
- Lift the HDD out of the compartment
- Remove the HDD bracket and connector, replace the HDD with a new HDD



Installing the Main HDD

- Replace hard disk bracket and connector
- Connect the HDD to the HDD connector in the PaceBook
- Replace the screw that secures the HDD in place
- Replace the battery and battery cover
- If the HDD is empty, follow Chapter 7 to re-install Windows XP

Warning: When the HDD is not inside the PaceBook, be very careful of it, avoiding fluids, shocks, extreme temperatures, etc. The HDD is very sensitive to static electricity and shocks, so handle it carefully or seek your computer dealer for help.

A.6 FAQ

Specifications

Package contents

What standard accessories are included with my PaceBook?

See Chapter 1

Battery life

What is the Battery life of my PaceBook?

The Battery life depends on many factors. Some industry standard benchmark tests estimate the battery life to be approximately 4-5 hours for the 6-cell. However in normal usage with coffee breaks and mainly typing or surfing we estimate the battery life to be approximately 5 hours. Using the Power-out connector for DVD or CD-RW will drain the battery more quickly, but you should be able to watch a 2.5-3 hour long DVD movie without any power problems.

Docking station

Is there a docking station available?

The Office Stand works as a docking station, with 4 USB ports, cable management and height/pitch adjustment. Check <http://www.pacebook.com> for details.

Case functionality

How do I use the case?

The case has a retractable flap that will support the PaceBook in both landscape and portrait modes while using the PaceBook as a notebook. Please see Chapter 5 for further details.

Keyboard information

How far away can I use the keyboard?

The keyboard will work up to 15m away from the tablet if it is in direct line of sight. You can bounce the signal off a wall, or ceiling etc., but the range will be significantly shorter.



Where can I read more about the Hot Keys?

See Chapter 4.

My keyboard is typing on another PaceBook in the room?

This is because the other PaceBook is sharing the same IR channel. You need to change the IR channel. To do this, see Chapter 4.6.

Stylus

Is the PaceBook's stylus special, or can I use anything?

The PaceBook's stylus is special in the sense that it will fit into the compartment on the side of the PaceBook. If you loose your stylus you can use any other stylus, your finger or any other plastic (non-sharp) object. Be careful not to scratch the touchscreen with sharp objects!

Touchscreen care

How do I clean the touchscreen?

Included with your PaceBook is a special cloth made by 3M for PaceBlade. This High Performance Cloth is ideal for cleaning fingerprints and dust from the touchscreen.

Warning: Do not use any liquids, sprays, chemical cleaning agents or abrasive materials to clean the touchscreen. Doing so may damage your touchscreen and void your warranty.

Connectors and Ports

IEEE-1394

What is IEEE-1394?

IEEE-1394 is also known as 'FireWire' or 'iLink'; it's a high-speed connection. It is flexible, fast and not too expensive. IEEE-1394 connections transfer information at 50MB/s compared with only 1.5MB/s for USB. IEEE-1394 supports peer-to-peer protocol (unlike USB) so you can connect two PaceBooks (or a PaceBook to any other IEEE-1394 enabled PC) for a 400Mbps (50MB/s) data connection. The PaceBook utilizes the high speed for the IEEE-1394 for CD-ROM/CD-RW/DVD-ROM as well as for connectivity to Digital Video cameras.

USB

How many USB ports are there on the PaceBook?

There is one USB 2.0 port.

VGA

Do you support external monitors?

The external VGA connector allows you to connect to standard monitors, TFT monitors or LCD projectors

Audio

How many Audio ports are there?

Your PaceBook has two audio ports, one for the microphone and one for the headphones. A noise cancellation headset is provided for voice recognition.

PC Card

Why is there only one PC Card in my PaceBook?

PC Cards are useful for notebooks that lack either LAN or Modem functions, or may need the space for a DVD player or IEEE-1394 functions. Since the PaceBook incorporates; LAN, Modem, DVD (over IEEE-1394) and IEEE-1394 built in there is no need for more than one slot. We anticipate this slot will be used for various Wireless communications, either local (Wireless LAN) or mobile (CDMA, GPRS, UMTS etc).

IR

Can I use the IR on the PaceBook for things other than the keyboard?

We are preparing an IR remote control. Check the PaceBook website for details.

Can I use the IR keyboard from the PaceBook to communicate with my PDA or notebook's IrDA?

No, PDA's and Notebooks use IrDA or FIR, while the PaceBook is using consumer IR, which is a technology found on IR keyboards, remote controls etc. It is NOT compatible with IrDA.

Legacy ports

Why does the PaceBook not support Parallel or Serial ports?

Microsoft stipulates that any PC / Notebook manufacturer requiring Microsoft Certification after July 1st 2001, will not include these ports. New peripherals have converted to USB or IEEE-1394, these ports are big and bulky and would break the smooth curves of the PaceBook. If you require these ports, you may connect to them over the Port Replicator or Office Stand.

I'm using software requiring a hardware lock, and I need a parallel port to use it.

You can use your hardware lock in the Port Replicator or Office Stand, these are connected to the PaceBook's USB connector. You can also buy a USB to Parallel (or Serial) cable in any good computer store.

Communication

How do I communicate with other mobile devices?

There are many ways:

- IEEE-1394 is the fastest and easiest way to transfer data to any other computer
- There is a built-in 100Mbps LAN for office connectivity, if you are mobile and the office has a wireless LAN installed you can use the Wireless LAN 802.11b protocol over a PC Card
- A 56kbps dial-up modem is also built-in. We support any mobile telephone card in the PC Card slot (PHS, I-Mode, GSM, GPRS, UMTS, CDMA, WCDMA, etc).

IEEE-1394

How fast is the IEEE-1394 link between two PaceBooks?

The IEEE-1394 connection speed is 400MBps, but unfortunately the HDD can not transfer data that fast, our tests have shown that you can transfer 1GB of data in about 3-4minutes, with USB this would take more than 15 minutes and with a wireless LAN up to six hours!

USB link cable

Does the PaceBook support USB Link cables?

Yes of course, the PaceBook is 100% PC compatible, however we don't recommend USB link cables because the transfer speed is slow. For data transfer we recommend IEEE-1394 instead of USB. If you regularly transfer data to or from the PaceBook to a desktop/notebook we recommend that you upgrade the other computer to IEEE-1394.

Software

Operating Systems

Which OS's does the PaceBook support?

The PaceBook supports Windows XP and Windows 2000.

What about Linux?

Can I use Linux on my PaceBook?

At the moment the PaceBook only supports Windows. Linux is being developed for the PaceBook. For more information, visit the PaceBook Bulletin Board at <http://www.pacebook.com>.

Menu software

What is the Menu button?

The Menu button calls customized software written by PaceBlade which allows you to call up any frequently used application or setting by simply clicking a button. There is no longer any need to search through the Start menu to find the application or to adjust volume or brightness. For more, see Chapter 7.

Touchscreen software

Who makes the touchscreen software?

This software is made by PaceBlade together with a third party, this software is only available from our website and is proprietary for PaceBlade: no other computer can use this software.



How To

Memory upgrade

Can I upgrade my PaceBook's memory and how hard is it to do?

The PaceBook has been designed to allow for easy and convenient upgrades. See A-2 for details on how to upgrade the memory.

HDD upgrade

Is it possible to change the HDD by myself?

Yes, but we don't recommend doing it yourself, please send it to our repair center or a qualified computer center. If you feel confident to upgrade, follow the directions in A-5.

Insert a PC Card

How do I use a PC Card?

PC Cards are inserted Upside-down, the reason for this is that several mobile communication cards have a small dongle built-in and if this is oriented up it will interfere with the curve located over the PC Card. There is a warning label on the plastic PC Card protector. Also PC Cards can only be inserted in one way, if it doesn't work turn it around and try again. Do NOT use force!

Connecting an Optical Drive

How do I attach a CD-ROM (or DVD, Combo drive)?

Use the special cable supplied with the CD-ROM, it's a dual headed cable including both IEEE-1394 and Power. Both ends of the cable are the same. Standard cable length is 80cm, you can order longer cables or custom made cables from PaceBlade.