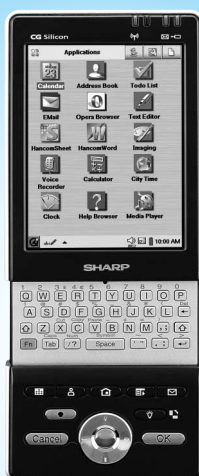


SHARP®

SL-6000L/SL-6000N

personal mobile tool

Start-up Guide



In the U.S.A.

Declaration of Conformity

Personal Mobile Tool: SL-6000L/SL-6000N

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

SHARP ELECTRONICS CORPORATION

Sharp Plaza, Mahwah, New Jersey 07430-1163

TEL: 1-800-BE-SHARP

Tested To Comply With FCC Standards



FOR HOME OR OFFICE USE

WARNING - FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Note: A shielded interface cable is required to ensure compliance with FCC regulations for Class B certification.

FOR YOUR RECORDS...

For your assistance in reporting this product in case of loss or theft, please record the model number and serial number (located on the bottom of the unit) below.

Please retain this information.

Model Number _____

Serial Number _____

Date of Purchase _____

Place of Purchase _____

SAR

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. The SL-6000L has been tested and found to comply with the Federal Communications Commission (FCC) guidelines on radio frequency energy (RF) exposures. The maximum SAR levels tested for the SL-6000L has been shown to be 0.195 W/kg at Body.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Introduction

Congratulations and thank you for purchasing the Personal Mobile Tool. Read this Start-up Guide first. Then, refer to the Operation Manual on the CD-ROM for more details.

NOTICE:

- *SHARP strongly recommends that you keep separate permanent written records of all important data. Data may be lost or altered in virtually any electronic memory product under certain circumstances. Therefore, SHARP assumes no responsibility for data lost or otherwise rendered unusable, whether as a result of improper use, repairs, defects, battery replacement or any other cause.*
- *SHARP assumes no responsibility, directly or indirectly, for financial losses or claims from third parties resulting from the use of this product and any of its functions, such as stolen credit card numbers, the loss or alteration of stored data, etc.*
- *Built with very high precision technology, the Liquid Crystal Display (LCD) panel has 99.99% or more effective pixels, with 0.01% or fewer pixels failing to light or remaining lit at all times.*
- *Some of the accessories described in the Zaurus manuals may not be available at the time you purchase this product.*
- *The screens on the Zaurus may differ from the screens in the manuals. If you would like to change the screen appearance on the Zaurus, please use the "Appearance" application (see the "Setting the Appearance (Appearance)" section in the Operation Manual on the CD-ROM).*
- *The information and screen shots provided in the manuals are subject to change without notice.*
- *All company and/or product names are trademarks and/or registered trademarks of their respective holders.*


Copyright

It is the intent of SHARP that this product be used in full compliance with the applicable copyright laws and that prior permission be obtained from copyright owners whenever necessary.

Conditions for using SHARP original software

SHARP CORPORATION (hereafter referred to as “SHARP”), under the following conditions, grants to the customer a non-exclusive license to use the SHARP original software for PCs, that accompanies this product. Use of the software by the customer indicates agreement to the following conditions:

1. SHARP will make no compensation for damages to the customer caused by the use of this software, except for compensation required by law.
2. SHARP may change the specifications of this software at any time without advance notice.

- CompactFlash is a trademark of SanDisk Corporation.
-  SD logo is a trademark.
- Java, PersonalJava and J2ME are trademarks of Sun Microsystems, Inc.
- Metrowerks and OpenPDA are trademarks of Metrowerks Corporation.
- Linux is a registered trademark owned by Linus Torvalds.
- Trolltech™, Qt™, Qtopia™ and the Trolltech logo are registered trademarks of Trolltech.
- Opera™ is a trademark of Opera Software ASA.
- Hancom™ is a trademark of HancomLinux, Inc.
- Microsoft, PowerPoint, Outlook, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Intel is a trademark or registered trademark of Intel Corporation.
- This product includes software developed by the University of California, Berkeley and its contributors.
- Licensed under one or more of U.S. Pat. 4,972,484; 5,214,678; 5,323,396; 5,530,655; 5,539,829; 5,544,247; 5,606,618; 5,610,985; 5,740,317; 5,777,992; 5,878,080; 5,960,037.

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Organization of the Operation Manuals

This operation manual describes both the SL-6000L and SL-6000N. The SL-6000L is equipped with an internal wireless LAN module. The SL-6000N does not come equipped with an internal wireless LAN module. “Zaurus” is used when describing both models, otherwise the model name is used.

The Zaurus operation manuals are organized as follows:

Please refer to the appropriate manual as required.

Quick Start Guide.....Zaurus setup for experienced users of PCs or handheld PDAs.

Start-up Guide (this manual).....Detailed explanations including setup, software installation and basic operations of the Zaurus.

Operation Manual.....Detailed information about the Zaurus. This online manual is stored in PDF format on the accompanying CD-ROM.

Online Manuals.....The following manuals are stored in PDF format on the accompanying CD-ROM.

Zaurus File Transfer Application Operation Manual

Backup/Restore Application Operation Manual

Intellisync for Zaurus Operation Manual

Qtopia Desktop for Zaurus Operation Manual

HancomMobileOffice Operation Manual

Digital Camera Manual (for add-on software)

Terminal Manual (for add-on software)

File Manager Manual (for add-on software)

Troubleshooting Guide

How to View Online Manuals

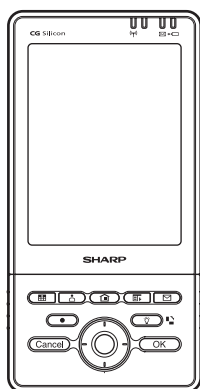
The online manuals are stored on the accompanying CD-ROM. When that CD-ROM is inserted into the CD drive of your PC, a menu screen will be displayed. On that screen, click “Online Manuals”.

The online manuals are also installed when the software is installed on your PC. You can view them on your PC after the software has been installed.

In order to read the online manuals, Adobe Acrobat Reader Version 5 or higher must be installed on the PC you are using. If Adobe Acrobat Reader is not installed on your PC, click on the “Install Adobe® Acrobat® Reader™” from the menu screen.

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Checking the contents



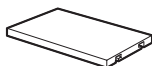
**Personal Mobile Tool
with Display protection cover**



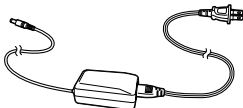
**Stylus (inserted
in the unit)**



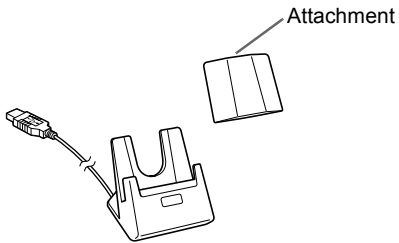
**CF Slot Protection
Card (inserted in the
unit)**



**Rechargeable
Lithium polymer
battery pack
(EA-BL09)**



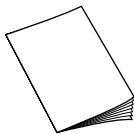
**AC Adapter (EA-70) and
AC Power Cord
(Specified Charger)**



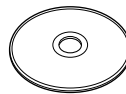
Docking Station (CE-ST10) and USB cable

Note:

- *The attachment unit is already attached to the Docking Station for docking the Zaurus without any expansion adapters.*
- *Remove the attachment unit when docking the Zaurus into the Docking Station with the CE-JC2 attached.*



Start-up Guide (this book)



**CD-ROM
(Software and Online
Manuals, etc.)**

Note: *The AC power cord plug may differ in some countries.*

Getting Started

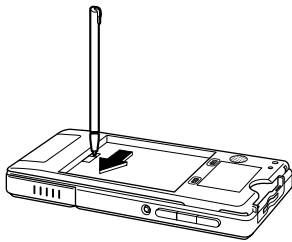
Step 1: Inserting and charging the battery

Inserting the battery

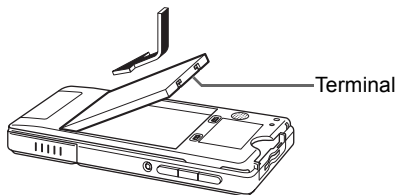
Note: Only use the “EA-BL09” rechargeable battery (supplied).


1. Attach the battery on the back of the unit.

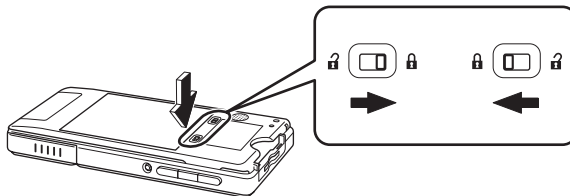
Make sure to slide the switch on the back of the unit to the “ON” position by using the stylus pen before inserting the battery.



Insert the battery with the terminal facing down.



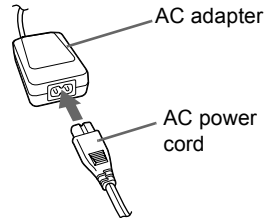
2. Push and hold the battery in the direction of the arrow while sliding the battery replacement switch to the “” position.



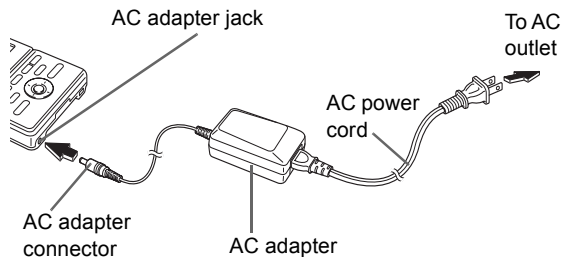
Charging the battery using the AC adapter

Note: Only use the “EA-70” AC adapter (supplied).

1. Connect the AC power cord to the AC adapter.



2. Plug the AC adapter connector into the unit with the battery inserted.

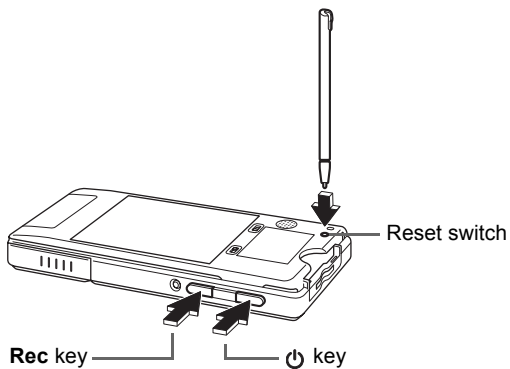


3. Plug the AC power cord into an AC outlet.

4. Press the reset switch with the supplied stylus pen while holding the **Rec** and **⏻** keys.


The charge indicator will be lit and charging will start.

Standard charging time is approximately 4 hours (depending on the temperature and usage conditions).



5. When charging has been completed, the charge light will turn off. Unplug the AC power cord from the AC outlet, then unplug the AC adapter connector from the unit.

Note:

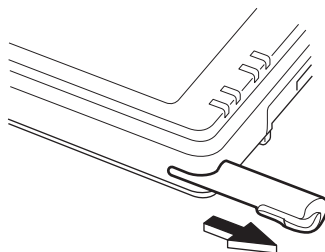
- *Charge the battery to its full capacity until the charge light turns off.*
- *Be sure to slide the battery replacement switch to the “” position before charging.*
- *If a charging error occurs, the charge light will blink. Make sure that the AC power cord and the AC adapter are connected correctly, remove and reinsert the battery, then perform steps 1 to 3 above again. If the error persists, there is something wrong with the battery, Zaurus, etc. Contact your local SHARP dealer for repair.*
- *The AC power cord plug may differ in some countries.*

Step 2: Pulling out the stylus

This unit comes equipped with a stylus to select items and enter various kinds of information, etc.

Pull out the stylus as shown. To replace it, insert it so that the protruding part of the stylus locks into place.


Touch the button displayed on the screen one time to open, select an item, etc.



Step 3: Initial settings

Open the Display protection cover (see page 29) and carry out the initial setup of the Zaurus after completing the battery charge.


Turning the unit on

1. Press and hold  for about a second to turn the power on.

The Welcome screen will appear after a few minutes.

Then, follow the next steps to complete the initial settings.

Note:

- *If the power will not turn on after charging the battery, disconnect the AC adapter and remove the battery. After approximately 10 seconds, replace the battery, perform the reset operation and then recharge the battery again (see page 85 and 90).*
- *If the Welcome screen does not appear, try to Format the Zaurus (see page 89).
Also make sure that the battery replacement switch is set to “” and the battery is inserted correctly.*
- *During the initial settings, if you do not operate the Zaurus, the power will automatically turn off after 8 hours (with AC adapter connected) or 10 minutes (without AC adapter). Turn the power on, then proceed to the next step.*
- *If the battery level is low, the power will not turn on even if you attach the AC adapter. Charge the battery to its full capacity.*

Adjusting the touch panel

1. On the Welcome screen, tap anywhere on the screen.

The Calibration screen will appear.

2. Tap the cross hairs firmly one by one.

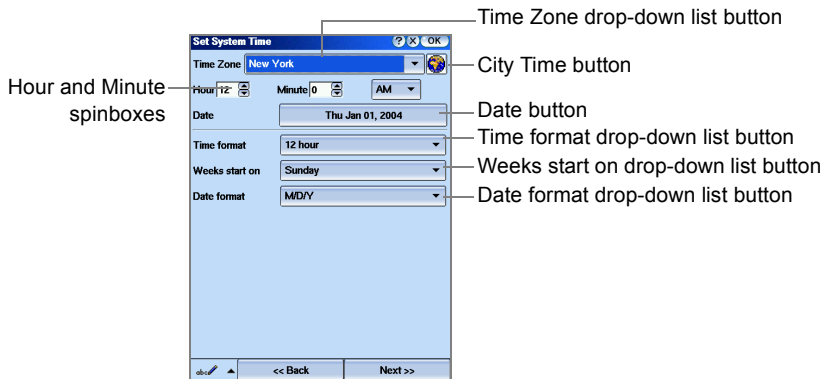
When you have completed adjustment of the touch panel, the Set System Time screen will appear.

Then, follow the next step.

Setting the date and time

For the time-critical functions to work properly, the built-in clock must be set to the current date and time.

Note: For detailed information on how to enter characters, see page 62, “Entering Characters”.



1. Tap the Time Zone drop-down list button.
Six city names will be displayed by default.
2. Select your time zone.

Note: If your time zone is not listed, go to step 3. You can change the time zone later using the Date/Time application (for details, see the Operation Manual on the CD-ROM).

3. Tap the Time format drop-down list button and select the 12 hour or 24 hour option.
4. Tap the up and down arrows on the Hour and Minute spinboxes to set the correct time.
5. If you select the 12-hour format in step 3, select AM or PM by tapping the drop-down list.
6. Tap the Date button and then tap your current date on the mini-calendar that appears.
 - Tap the up and down arrows of the year spinbox to set the current year.
 - Tap the month drop-down list button and select the current month.
 - Tap or to change the setting month by month.
 - Tap or to select the first month (January) or the last month (December).

7. Tap the Weeks start on drop-down list button and then select Sunday or Monday to begin the week.
8. Tap the Date format drop-down list button and then tap the desired format.
The selected format applies to the Date column displayed on the Index screen of the application, etc.


M/D/Y (example, 12/26/04)

D.M.Y (example, 26.12.04)

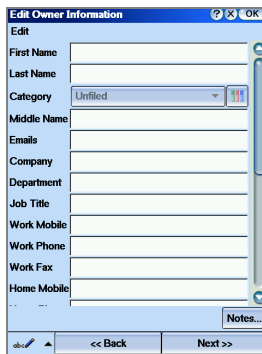
Y-M-D (example, 04-12-26)


D/M/Y (example, 26/12/04)


Note: *These Date formats and long date formats (for example, December 26, 2004) will not be applied to some applications.*

9. Tap “Next” or  to save the setting.
The display will turn to the Edit Owner Information screen.
Follow the next step.

Registering your personal information



To skip entering your information now, tap “Next” or . You can enter it later using the Address Book application.

1. Enter your information on the Edit Owner Information screen and then tap “Next” or  to save it.
Tapping “Back” will return the screen to the previous Set System Time screen.

Note: You will not be able to select or enter the category name on this screen.

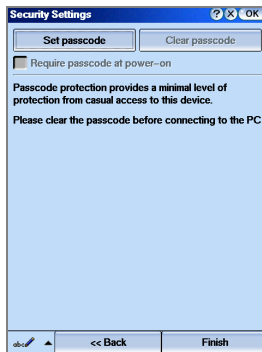
Follow the next procedure.

Setting your passcode

By setting your own passcode in the Zaurus, you can protect your Zaurus from unauthorized use. Once you set the passcode enables the Zaurus to require the passcode at power-on setting. You will be required to enter it every time you turn the Zaurus on.

To skip setting the passcode now, tap “Finish” or **OK**. You can enter it later using the Security application (see the Operation Manual on the CD-ROM).

Caution: Use this function with care. If you forget your passcode, you will need to carry out the “Format” in the Maintenance menu. You will lose all data created and saved as well as any add-on software installed on the Zaurus.



1. Tap the “Set passcode” button.
2. Enter your passcode and then tap “OK”.

Note: Strong authentication is supported. You can enter a passcode using the number keys on the screen or letters using the keyboard. Letters are distinguished between upper case and lower case.

3. Enter the same passcode again and then tap “OK”.
To make the Zaurus ask for the passcode at start-up every time you turn it on, tap the “Require passcode at power-on” checkbox to turn it on.
4. Tap “Finish” or **OK** to complete the initial settings.

Once the initial settings are completed, the Home screen will be displayed.

- If you turned on the “Require passcode at power-on” option in step 3, the passcode entry screen will appear asking for your passcode. Entering the correct passcode will display the Home screen.

Step 4: Installing the Software on Your PC

Checking the Operating Environment

Minimum System Requirements

- 100% IBM® Compatible PC
- Microsoft® Windows® 98/98SE/2000 Professional/Me/XP
- Pentium® 200MHz or higher for Microsoft Windows 98/98SE/2000 Professional/Me, Pentium/Celeron® 300MHz or higher for Microsoft Windows XP
- 80MB Available Hard Disk Space for installation
- 64MB RAM (Recommend 128MB RAM) for Microsoft Windows 98/98SE/2000 Professional/Me, 128MB RAM (Recommend 192MB RAM) for Microsoft Windows XP
- CD-ROM Drive
- 1 Available USB Port or Serial Port with Optional Serial Cable CE-170TS
- Mouse or Compatible Pointing Device
- 800 × 600 or Higher Resolution Monitor

Note:

Proper operation cannot be guaranteed on the following types of PCs:

- *Self-built PCs*
- *PCs upgraded from Windows 95*
- *When the customer has installed USB ports on a PC did not include USB ports in the original configuration from the PC manufacturer.*

* This software is not guaranteed to operate on all PCs that have the recommended environment.

About USB Ports

- Activating the power saving mode (such as suspend, resume, or sleep function) of some PCs may result in the USB port not functioning properly. In this case, disable the power saving mode.
- The software may not operate properly when using a commercially available USB card installed in a PCI slot.
- If the USB port on your PC or the USB hub connected to the Zaurus does not operate properly, perform the following steps.
 - When your PC comes equipped with several USB ports, connect the Zaurus to another USB port.
 - When other USB devices are connected to your PC and used simultaneously, disconnect them from your PC.
- If the USB driver does not operate properly when you connect the Zaurus to your PC via the USB hub, connect it directly to the USB port on your PC. Using the USB extension cable may result in the USB driver not operating properly.
- Do not remove and connect the USB cable from/to the PC in a short time.

Limitations When Using with Windows XP and Windows 2000

Windows XP

- Log on using an account on the PC that has administrator privileges. The software cannot be installed when logged onto a restricted account. When using the software, log on as an administrator. To do this, click [Start], then [Log Off], select an administrator account for the PC from the displayed screen, and log on.

Windows 2000

- Log on as the Administrator when installing the software. Also log on as the Administrator when using the software. When using a PC in a company or similar place, contact the administrator of the PC about an Administrator account.

Installing the PC Software and the USB Driver onto your PC

Using the accompanying CD-ROM, “Intellisync for Zaurus”, “Backup/Restore application” etc. can all be installed at one time.

Preparation for Installation

- 1.** When installing this software in Windows XP/2000, check the limitations on the previous page.
- 2.** Close all applications on your PC.
- 3.** Insert the accompanied CD-ROM into your CD-ROM drive.

A menu screen will be displayed automatically.

If the CD-ROM does not launch automatically, open D: setup.exe (use your CD-ROM drive letter).



Caution: Do not connect the USB cable between the Zaurus and the PC until instructed to do so by the software.

Installing the PC software

- 4.** Click “Install PC Software”, then confirm the displayed contents and click “OK”. Installation of the software will begin.

Note:

- You can confirm the installation procedures by clicking “Installation Notes” under “Install PC Software”.
- If the PC Software has already been installed, additional installation or uninstallation screens will be displayed (see page 20).

- *If the software for the former SL-models has been installed, a confirmation dialog box for uninstallation of the software will be displayed. Confirm the message to uninstall the software. After uninstallation, repeat the procedure from step 3.*

5. Follow the on-screen instructions and complete the installation.

Note:

- *To install the add-on software or data onto the Zaurus at a later time (see page 80), be sure to install the “Zaurus File Transfer” beforehand.*
- *Other software files can be installed later (see page 20).*
- *Continue the installation even if you receive warning dialog boxes which state “Software Installation” and “Digital Signature Not Found” if you are using Windows XP/2000. These are standard error messages which are received when attaching or unattaching a USB device using Windows XP/2000.*

6. When the installation is completed, reboot your PC.

Next, connect the Zaurus to your PC.

7. Connect the AC adapter to the Docking Station, and plug the AC power cord into an AC outlet.

Connect the USB cable to the Docking Station.

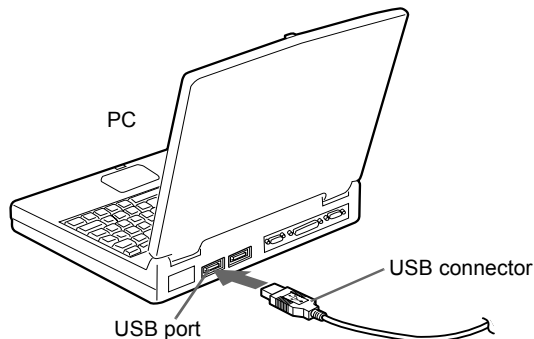
8. Remove the SHARP I/O PORT cover of the Zaurus, and slide the Zaurus into the Docking Station.

Note:

- *As for steps 7 and 8, see steps 1 to 4 on page 30 and 31 (“Charging/Using the Docking Station”).*
- *When sliding the Zaurus into the Docking Station without any expansion adapter, use the Attachment unit with the Docking Station (see page 7).*

9. Turn on the Zaurus.


10. Eject the CD-ROM from your PC and plug the USB connector of the Docking Station into the USB port of your PC (prior to plugging in the USB connector, turn your PC power on).



- 11.** The connection will be established. If a new hardware wizard dialog box appears, follow the wizard until the USB driver is installed.

Note: *In the “Hardware Installation Wizard” dialog box, confirm “SL Series Ver 3 (WDM)” as its target hardware, and click “Continue Anyway”.*

Next, set the PC Link options on the Zaurus.

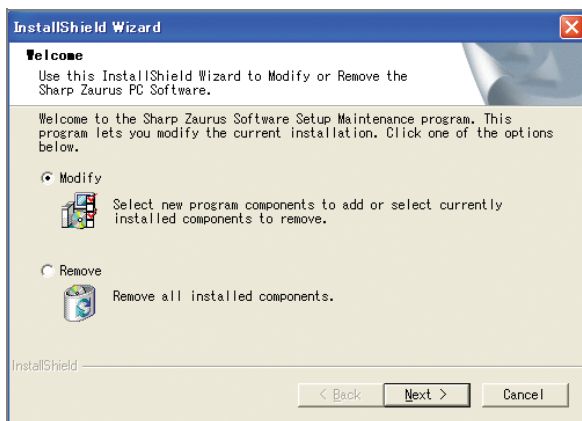
- 12.** Tap the “PC Link” icon on the Settings Home screen.
- 13.** Select “USB-I/O (default)” or “Serial” as the connection.
- 14.** Tap .

You are now ready to use your Zaurus and the PC software.

Adding or Removing PC Software

Displaying the screen for Add or Remove PC software

Select “Sharp Zaurus Software” from “Add or Remove Programs” on the Control Panel (Or click the Start menu, then (All) programs → Sharp Zaurus 2 → Uninstall). The following screen will be displayed.



Note:

- Executing “SHARP SL Series USB Driver-from “Add or Remove Programs” on the Control Panel will uninstall the USB drivers.

Adding the software

Insert the included CD-ROM into your CD-ROM drive. Select “Modify” in the above screen and follow the on-screen instructions. Select (check) the software you want to add and what software you currently have installed on the “Select the Software” screen.

Removing the software

Select “Modify” in the above screen and follow the on-screen instructions. Uncheck the software you want to delete on the “Select the Software” screen.

Removing all software

Select “Remove” in the above screen and follow the on-screen instructions.

Changing the communication method

Insert the included CD-ROM into your CD-ROM drive. Select “Modify” in the above screen and follow the on-screen instructions. Select the communication method on the “PC Communication Port Selection” screen. When you change the communication method, also change it to the same method in the Zaurus PC Link setting.

About Your Zaurus

Useful Functions and Services of the SL-6000L/SL-6000N
















Your Zaurus has the following features:

- A large colorful VGA LCD screen
- A full QWERTY keyboard and software keyboards (capable of handwriting recognition)
- The ability to create and read Internet e-mail message (POP3/POP3(APOP)/IMAP4/SMTP)
The e-mail message can include attachments.
- An HTML browser that can access a variety of information screens
- Powerful PIM functions (Address Book, Calendar, Todo List, Text Editor)
- You can easily display a file by linking it in the calendar to appear on a particular day.
- Playback of MPEG1 movie files and MP3 music files
- Viewing and simple editing of Microsoft Word and Excel files and viewing of Microsoft PowerPoint files (HancomMobilePresenter is available on the enclosed CD-ROM).
- The ability to slideshow image files
- Capturing your messages/memos and playing them back through the built-in speaker
- Saving or transporting data via the CF or SD card expansion slots
- When connected to the PC, the Zaurus memory is displayed as a folder on the PC. Data can be exchanged easily using the PC "drag-and-drop" operation.
- Data exchange with a PC using the PC link software
- The capacity to add applications by importing them from a PC etc.
















The functions on this product (such as calendar) can handle dates from January 1, 1970 (GMT) to December 31, 2037 (GMT).



Applications

	Calendar	Allows you to store events and set alarms.
	Address Book	Allows you to add and view the list of existing names and contact details.
	Todo List	Allows you to view a list of Todo items and reminds you of what needs to be completed and when to be done.
	Text Editor	Allows you to open a list of text files, create a new text file and edit it.
	Email	Allows you to create and transmit e-mail messages.
	Opera Browser	This Web browser connects to the Internet and shows pages in HTML format.
	Hancor Sheet	Allows you to view and edit Microsoft Excel files.
	Hancor Word	Allows you to view and edit Microsoft Word files.
	Imaging	Allows you to view and slideshow image files. Also, allows you to edit Memo and illustration files.
	Voice Recorder	Allows you to record/play your messages and memos.
	Calculator	Features up to 12-digit calculations and a conversion function.
	City Time	Allows you to view the time in up to six different cities of your choice.
	Clock	Shows the current time and date and can be used as a stopwatch.
	Media Player	Allows you to play movies and music stored in your Zaurus or from expansion memory cards.
	Help Browser	Offers help information similar to a web browser.

Settings

	Light & Power	Allows you to select the amount of time that elapses before the Zaurus turns off automatically and control the brightness of the backlight.
	Sound Settings	Allows you to change the Startup and other sounds.
	Tab Setting	Allows you to create an original Home screen by changing the Navigation tab order or moving the applications.
	Appearance	Allows you to customize the desktop and window properties.
	Network	Allows you to set up dial-up and LAN preferences for both the EMail application and Opera Browser.
	Add/Remove Software	Allows you to install or uninstall applications to/from the Zaurus.
	Security	Allows you to set your own passcode to protect your Zaurus from unauthorized use.
	Recalibrate	Calibrates the touch-panel screen.
	Application Key	Allows you to assign the eight keys (Home key, Calendar key, Address Book key, Menu key, EMail key,  key, Back light key, Rec key) on the sliding cover to any of the applications installed in the Zaurus.
	Date/Time	Sets the current date, time and city.
	Backup Restore	Allows you to make a backup file of the files on the Zaurus and will restore the data back to the Zaurus from a CF or SD/MMC memory card.
	System Info	Displays information about the systems status.
	PC Link	Allows you to select the connection method when connecting the Zaurus to the PC.
	Beam Receive	Allows you to transfer entries from the Address Book, Calendar, Todo List, and files by an infrared beam.

Note:

- *The EMail and Web Browser applications require the use of a modem or LAN card and a service plan.*
- *The EMail application can be used for synchronization of Outlook email with attachments.*

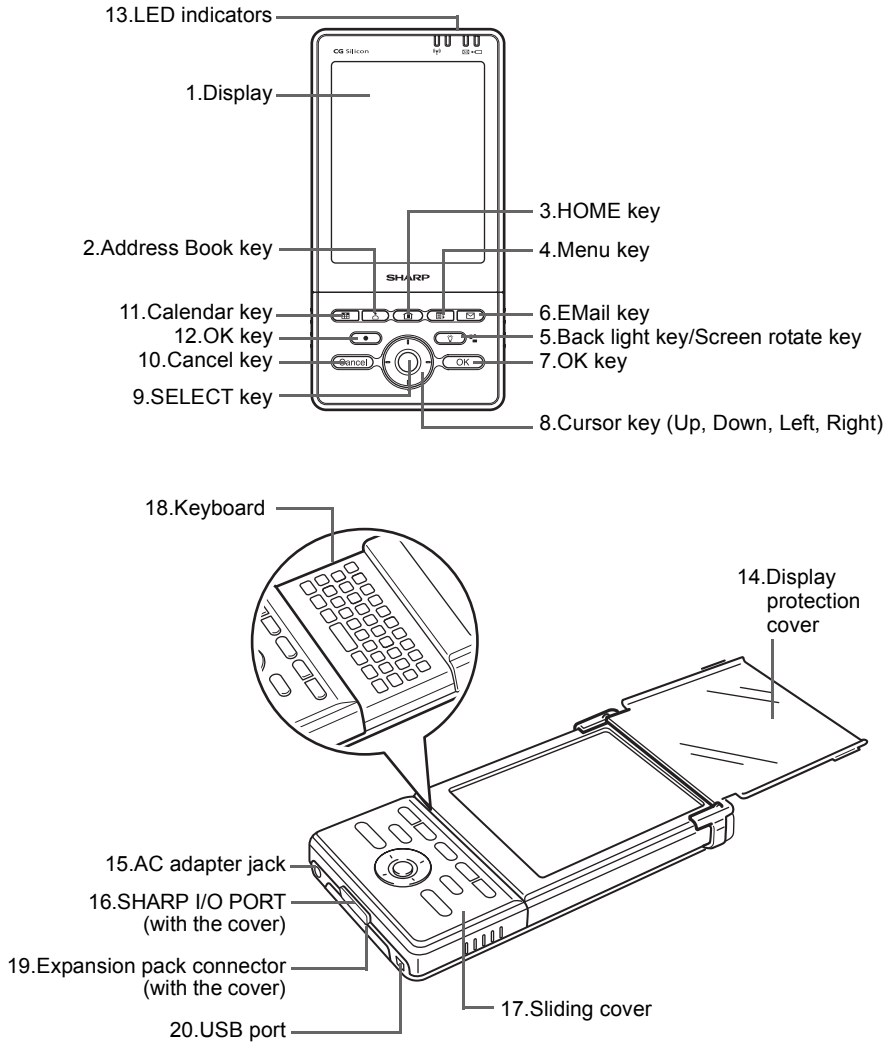
Function that are available when the PC software is installed:

Zaurus File Transfer	When connected to the PC, files can be transferred easily between the PC and the Zaurus.
Backup/Restore	The Zaurus memory can be backed up to and restored from the PC.
Intellisync for Zaurus	Synchronizes the Zaurus with Microsoft Outlook on the PC.
Qtopia Desktop for Zaurus	Synchronizes the Zaurus with the PC for non-Microsoft Outlook users.

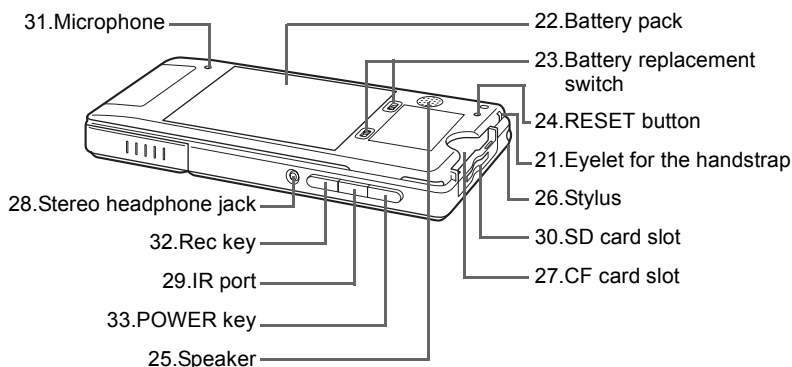
Note: *Please use either Intellisync for Zaurus or Qtopia Desktop for Zaurus on your PC. You cannot run both programs simultaneously.*

Part names and functions

Front



Back/Rear



1. Display: Displays applications, menus, and data stored in the Zaurus.
2. Address Book key: Opens the Address Book application.
3. HOME key: Opens/Switches to the Home screen.
4. Menu key: Opens or closes the pop-up menu.
5. Back light key: Turns the back light on and off when briefly pressed.
- Screen rotate key: Rotates the screen display mode between portrait and landscape when held for several seconds.
6. EMail key: Opens the EMail application.
7. OK key: Executes the current operation, closes a window.
8. Cursor key: Moves the cursor in the direction of the respective cursor keys you press.
9. SELECT key: Executes the current operation.
10. Cancel key: Cancels the current operation, closes a window without saving settings.
11. Calendar key: Opens the Calendar application.
12. OK key: Executes the current operation, closes a window (functions as same as the 7. OK key).

13. LED indicators

Charge light (amber):

Turns on when charging begins. Turns off when it is completed.

When the light blinks: indicating trouble while charging.

Mail light (green):

Turns on for incoming e-mail messages.

Blinks when the alarm is going off as per the setting in the Calendar application.

Wireless LAN light (SL-6000L):

Turns on: Communicating with the network through the internal wireless LAN module.

Blinks: Moved out of the network area during communication.

14. Display protection cover

Close the cover when not in use to protect the display from damage.

15. AC adapter jack:

Enables connection of the AC adapter.

16. SHARP I/O PORT (with the cover):

Enables connection to the Docking Station.

17. Sliding cover:

Covers integrated keyboard and features convenient one-touch launch buttons and navigation keys.

18. Keyboard:

For entering characters and commands.

19. Expansion pack connector (with the cover):

Provides expanded functionality by attaching modules or other peripherals.

20. USB port:

Enables connection to specified SHARP products through the USB. The Zaurus is the host when it is connected.

21. Eyelet for the handstrap:

Attach an optional handstrap here.

22. Battery pack:

Rechargeable Lithium polymer battery pack.

23. Battery replacement switch:

Switch when inserting/removing the battery.

24. RESET button:

Performs the reset (See page 85).

25. Speaker:

For producing "Calendar" alarms, and playing back audio files recorded with the Voice Recorder application.

26. Stylus:

Used to tap the buttons etc. on the screen.

27. CF card slot (for the CompactFlash card Type I/Type II):


Insert an optional CompactFlash memory card or modem card here.

28. Stereo headphone jack:

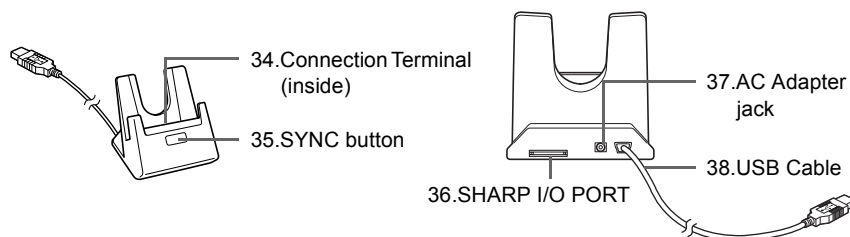
For connecting an optional stereo headphone.

29. IR port:

When you transmit data by an infrared beam, turn this to face the IR port of the other unit.

30. SD card slot (for the SD memory card and Multi Media Card):
Insert an optional SD memory card or Multi Media Card here.
31. Microphone:
Use the microphone for recording with the Voice Recorder application.
32. Rec key:
Opens the Voice Recorder application and start to record voice memos when it is held for 1 second. You can open the Voice Recorder application from the power-off status or cancel this function in the "Preference" setting of this application.
33.  POWER key:
Turns the Zaurus on when it is off.
Turns the Zaurus off when it is on.

Docking Station



34. Connection Terminal:
Enables connection with the SHARP I/O PORT of the Zaurus.
35. SYNC button:
Starts synchronization between the Zaurus and a PC.
36. SHARP I/O PORT:
Enables connection to a PC with the specified connection cable.
37. AC Adapter jack:
Enables connection of the supplied AC adapter (EA-70) for the Docking Station.
38. USB Cable:
Enable connection to the USB port.

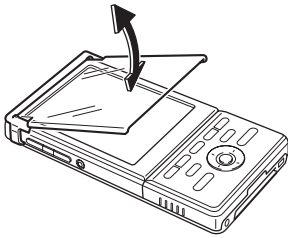
Note: It takes approximately 5 seconds to start recording when the Rec key is pressed while the Zaurus is on. If the CF card or the SD card is inserted in the Zaurus, it takes approximately 7 seconds.
To start recording when the Zaurus is off, see "Voice Recorder" in the Operation Manual of the CD-ROM.

Caution: USB cables cannot be connected to the USB port on the Zaurus.

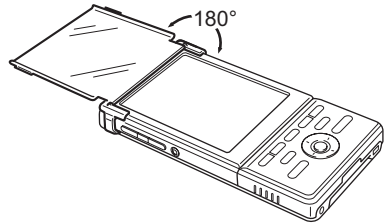
Display protection cover

To open the Display protection cover

When carrying the Zaurus, be sure to close the cover to protect the LCD display. If not closed, the display may become damaged or broken.



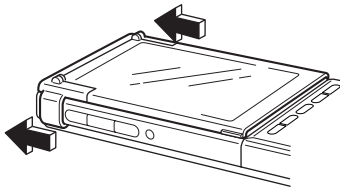
Open or close the Display protection cover by using the edges of the display cover.



The Display protection cover will open by approximately 180°.

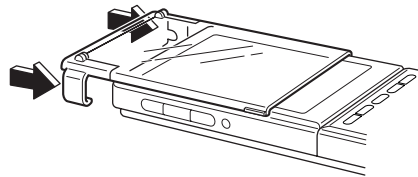
Removing/Attaching the Display protection cover

To remove



Push upwards to remove the cover.

To attach



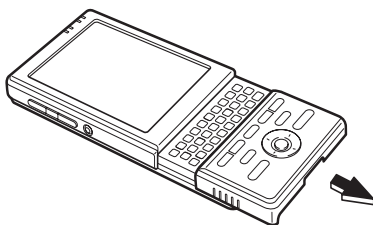
Push downwards to attach the cover.

Opening or closing the keyboard

To open the keyboard, hold the sliding cover firmly and pull it down until it is locked. To close the keyboard, push it upwards until it is locked.

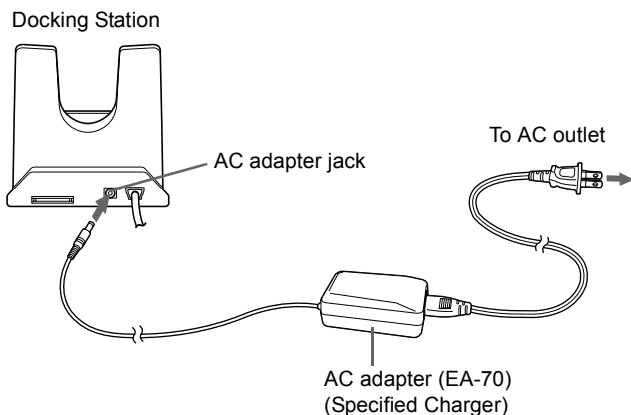
Note:

- Please close the sliding cover when you carry your Zaurus. Carrying the Zaurus with the sliding cover open may cause damage.
- Be sure to completely open or close the slide cover into the locked position prior to press the keys in the sliding cover. The keys may not work if the cover is closed halfway or is not locked into position.



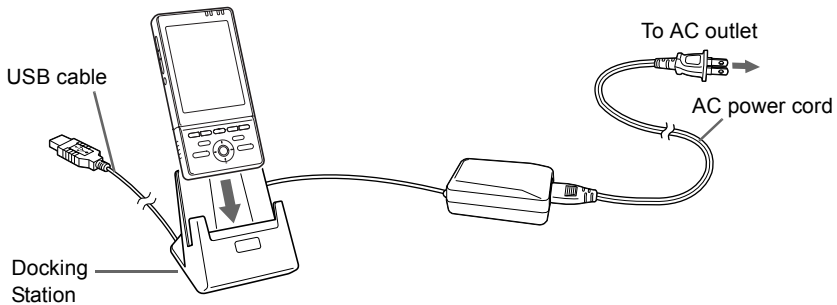
Charging/Using the Docking Station

1. Connect the AC power cord to the AC adapter.



2. Plug the AC adapter connector into the Docking Station.

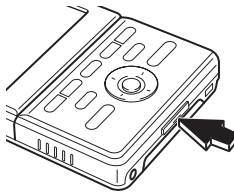
3. Plug the AC power cord into an AC outlet.



4. Remove the SHARP I/O PORT cover of the Zaurus and then place the Zaurus in the Docking Station by sliding it in. The LED indicator on the unit (charge light) will turn amber when charging begins.

Note: Make sure that the unit is fully inserted into the Docking Station.

5. When the charging has been completed, the LED indicator will turn off. Upon completion, lift the Zaurus from the Docking Station. Replace the SHARP I/O PORT cover with the protruding part on the bottom.



6. Unplug the AC power cord from the AC outlet and unplug the AC adapter connector from the Docking Station.

Note:

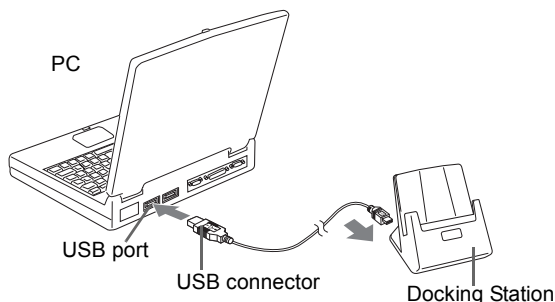
- The USB cable of the Docking Station is used to connect the Zaurus to a PC (PC link). It is not used for charging.
- Do not tilt the Zaurus forward while it is placed in the Docking Station. Do not pick up the unit by itself. If this is done, the unit connection terminal of the Docking Station may become damaged.

Connecting the Zaurus to your PC

Using the Docking Station, you can connect to a PC and exchange files and data. Refer to the PC operation manual for more information regarding connections.

1. First connect the USB cable to the Docking Station, then connect the USB cable to the PC.

When sliding the Zaurus into the Docking Station without any expansion adapter attached, attach the Attachment unit to the Docking Station.



2. Follow the instructions in Steps 1 through 4 of “Charging/Using the Docking Station” (see page 30) above to connect the AC adapter and Zaurus to the Docking Station.


Note:

- Before step 1, be sure to turn the PC power on.
- When the Security application is set on Zaurus, turn the Security setting off (in this status, entering the passcode becomes unnecessary at power-on) before connecting to the PC (see the section on “Security” in the Operation Manual on the CD-ROM).
- While communicating with the PC, do not perform any operations on the device, turn off its power, remove it from the Docking Station, or disconnect the cable from the PC.
- While communicating with the PC, the AC adapter must be connected.
- If the device has been removed from the Docking Station, make sure to wait for 30 seconds before replacing it on the Docking Station. If connected immediately after the device is removed, the device may not be properly recognized as a USB device.
- Do not remove and re-connect the USB cable from/to the PC in a short time.

Basic Operations


Turning the unit on and off

Turning the unit on

Press and hold  for about a second to turn the power on.

Note: *When the battery level is low, the power will not turn on even when you attach the AC adapter.*

Turning the unit off

Press and hold  for about a second to turn the power off.

Turning the back light on and off

When it is dark and difficult to see the LCD display, turn the back light on for easier viewing.

Every time you press the Back light key , the back light will turn on and off.

Auto back light off

To save the battery, the back light will automatically turn off if you do not operate the Zaurus for a certain period of time.

The Light & Power application in the Settings Home screen allows you to change the time that elapses before the back light will turn off automatically.

Auto power off

To save the battery, the Zaurus will automatically turn off if you do not operate the unit for a certain period of time.

The Light & Power application in the Settings Home screen will allow you to change the time that elapses before the unit turns off automatically.

Operating methods

The Zaurus can be operated by either pressing keys on the keyboard or tapping an item (buttons, etc.) on the screen using the stylus.

The operation manual primarily describes operation using the stylus. Button or key operations are included, if they make it easier to carry out the relative function.

Using the stylus

To tap

Touch an item (application icon, button, etc.) on the screen once to execute it.

To tap and hold

For example, tap and hold the stylus on an application icon to open the “Details” screen.

To drag

For example, drag to select the characters you wish to copy.

Pressing keys and buttons

In the Home screen



Press the cursor key (⤿) to move the focus.

Then press the **SELECT** key or **OK** key to open or launch a selected application or file.

In an application





Press the cursor key (⤿) to move the focus.

On the Setting or Edit screen, press **OK** key to save the settings and close the window, or press **Cancel** key to close it without saving the settings.

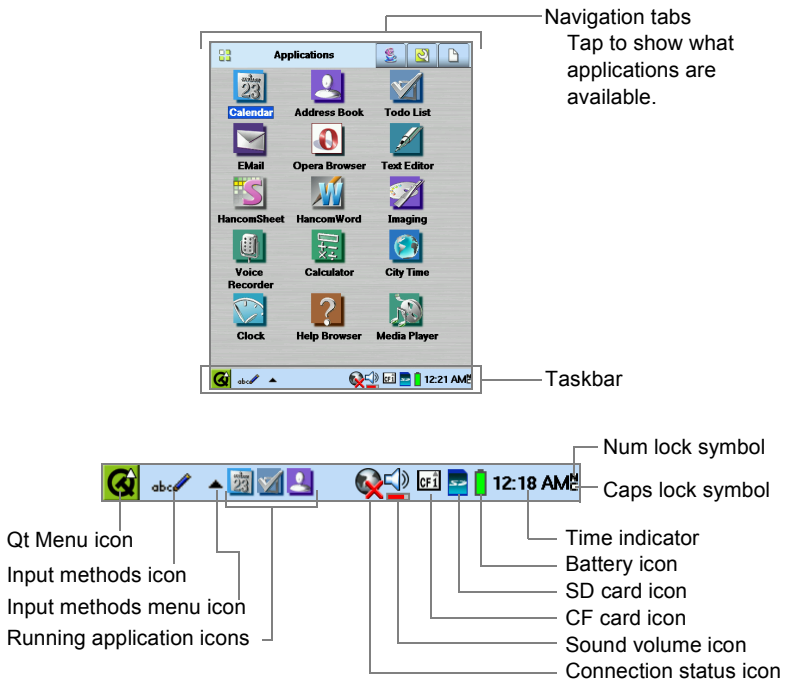
Note: On the Setting or Edit screen, pressing the **OK** key or the **Cancel** key operates in the same way as tapping  or  respectively.

Home Screen

Press the **Home** key to display the Home screen. There are following Home screens. Press the **Home** key or tap one of the Navigation tabs to switch between the Home screens, and then tap the desired icon to start it.

-  Applications: consisting of built-in applications.
-  Java: consisting of built-in sample Java applications.
-  Settings: consisting of programs to control the basic operations of the Zaurus.
-  Files: consisting of the files you have created or copied, and files stored on the optional expansion memory cards inserted into the Zaurus.

Part names



Using the taskbar

Qt Menu icon:	Tap to display the menu. This is an another way of accessing applications in the list view. You can also perform a Rotation, Reboot (see page 84) or Suspend (power off), etc.
Input methods icon:	Tap to display the input modes (see page 64).
Input methods menu icon:	Tap to pop up a list of input methods.
Running application icons:	The icon(s) of the applications that are open appear (All running applications may not be displayed depending on the condition of the Taskbar). Tap the desired icon to switch between the running applications.

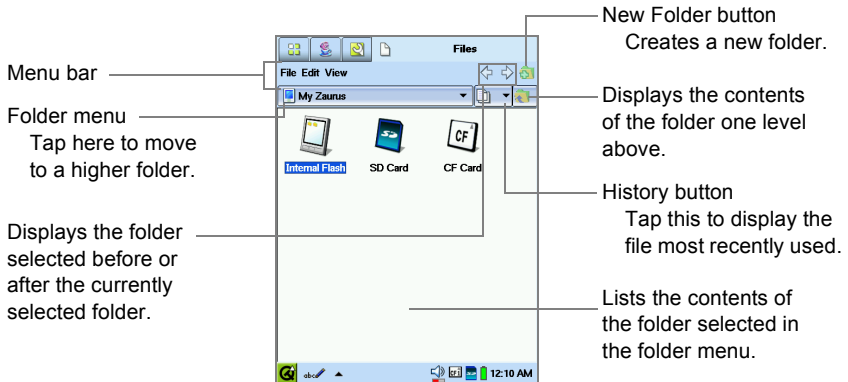
Note: *Multiple applications may run simultaneously.*

However, limited available working memory may cause certain running applications to terminate or malfunction, when you try to start a new application.

Connection status icon:	The icon will appear when the internal wireless LAN module is equipped, network settings are completed in the Network application, or a communication card is inserted. During wireless LAN communication, an icon will be displayed that shows the signal strength level. Blue: Excellent, Green: Good, Yellow: Average, Red: Poor
Sound volume icon:	Tap to reach the volume adjustment slider (see page 74).
CF card icon/SD card icon:	The icon will appear when the Zaurus recognizes that the memory card is inserted in the card slot. It is required to remove the memory card by tapping the CF card icon/SD card icon on the taskbar and then selecting "Eject CF card" / "Eject SD-card" (see page 77).
Battery icon:	Tap to get the battery's status (see page 75).
Time indicator:	Tap to adjust the date and time. For the time-critical functions to work properly, the built-in clock must be set to the current date and time (see page 12, and the Operation Manual on the CD-ROM).
Num lock symbol:	Displayed when the Num lock mode is entered using the keyboard.
Caps lock symbol:	Displayed when the Caps Lock mode is entered using the keyboard.

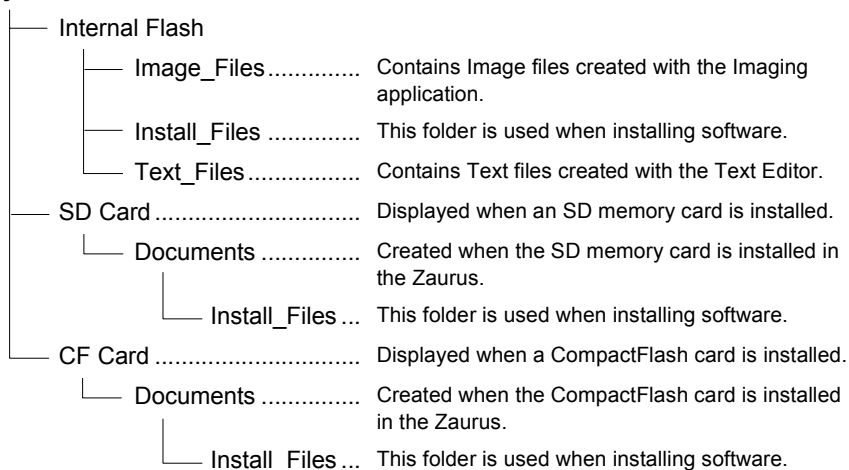
Files Home Screen

This section gives a simple explanation of the Files Home screen. For more detailed explanations, see “Reorganizing Your Files” (page 39).



When “My Zaurus” is selected in the folder menu, the “Internal Flash” folder will be displayed. If a memory card is installed, the “CF Card” or “SD Card” folder will also be displayed. If one of these folders is opened, the folders and data files contained in either the Internal Flash or the memory card will be displayed.

The folders are organized as follows:

My Zaurus

- When you tap on a folder icon, the folder will open and the data files and folders contained within will be displayed.
- When you tap on the icon for a data file, the application linked to that file will start and the file will open.
- You can create new folders and reorganize your files through tasks like collecting related data in a single folder (see page 40).

Reorganizing Your Files

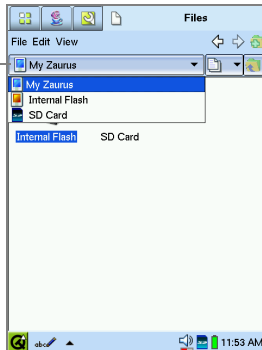
You can reorganize your files using folders in the File Home screen.

Opening folders and viewing files

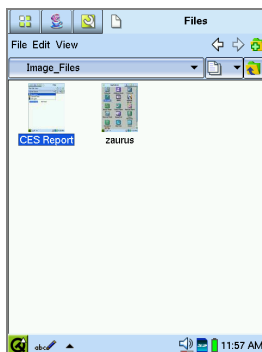
This section explains how to view files created using the Imaging application.


1. Tap the Folder menu on the Files Home screen.

Folder menu



2. Tap "Internal Flash".
3. Tap "Image_Files".



4. Tap the file you wish to view.
The Imaging application will start and the file will open.
5. Return to the Files Home screen by pressing the **Cancel** key or tapping .

Note: When you press the **Cancel** key, the contents of the folder one level above will be displayed in Steps 3 and 4. You can change the operation of the **Cancel** key on the Files Home screen (see page 43).

Creating a new folder

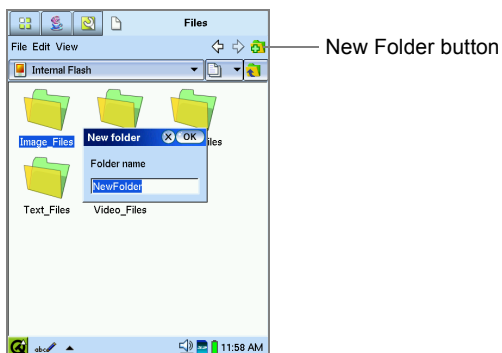
This section describes how to create a new folder within the “Internal Flash” folder. If a different folder is selected in Step 1, the new folder will be created within that folder.

1. Open the “Internal Flash” folder on the Files Home screen.

If a different folder is currently open, tap on the Folder menu, tap the “Internal Flash” folder.

2. Tap the New Folder button.

The new folder creation screen will be displayed.



3. Enter the folder name, then tap **OK**.


A new folder will be displayed under the “Internal Flash” folder.

Moving or copying a file to another folder

This section describes how to move the Imaging file to the new folder created above.

1. Open the “Image_Files” folder, and select the file you wish to move.
2. Tap the “Edit” menu (or tap and hold the file) and then tap “Cut” or “Copy”.
3. Open the destination folder.
4. Tap the “Edit” menu and then tap “Paste”.

Changing folder and file names

1. Select the folder or file you wish to rename on the Files Home screen.
2. Tap the “File” menu (or tap and hold the folder or file) and then tap “Rename”. The Rename screen will be displayed.
3. Change the name, then tap .

Changing date information for a file

1. Select the file for which you want to change the date.
2. Tap the “File” menu (or tap and hold the file) and then tap “Change date”.
3. On the mini-calendar that will appear, select a new date for the file.

Changing the index screen from thumbnail view to list view

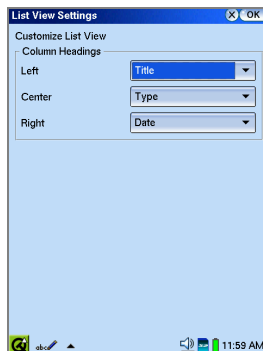
Switching between thumbnail view and list view


1. Tap the “View” menu and then tap “List”.
The index display will change to a list view.
To return to the thumbnail view index screen, tap “Thumbnails” on the “View” menu.

Changing the items shown in the list view

You can change the items that are shown when using the list view.

1. Tap the “View” menu and then tap “List View Settings”.
The list view settings screen will be displayed.



2. Tap the Item button, and select the item name for each item you wish to display.
3. Tap .

Setting and clearing wallpaper from the Files Home screen

You can set an image file (JPEG, BMP, GIF and PNG format) as the wallpaper for the Zaurus.

Setting the wallpaper

- 1.** On the Files Home screen, tap and hold the Image file that you want to set as wallpaper.

A pop-up menu will appear.

- 2.** Select “Set as wallpaper”.

The selected image file will be set as the wallpaper.

Clearing the wallpaper

- 1.** On the Files Home screen, tap and hold any Image file.

- 2.** Select “Clear wallpaper settings”.

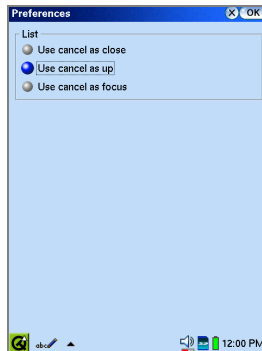
The current wallpaper will be cleared.


Note: *Wallpaper and other detailed display settings are made in the Appearance application on the Settings Home screen (see the Operation Manual on the CD-ROM).*

Defining the Cancel key function for the Files Home screen

You can define how the **Cancel** key will operate on the Files Home screen. There are three options.

1. On the Files Home screen, tap the “View” menu and then tap “Preferences”. The Preference screen will be displayed.



2. Tap the desired radio button and then tap .

Use cancel as close	When a file is open, the application and file will be closed.
Use cancel as up	On the Files Home screen, the folder one level higher than the selected folder will be displayed. When a file is open, the application and file will be closed.
Use cancel as focus	On the Files Home screen, the focus can be changed from the list of files and folders to the Folder menu or the History button. When a file is open, the application and file will be closed.

Naming folders and files

Note:

- A backup of a file that has a space at the beginning of the file name cannot be made on the PC.
- Characters that are not allowed in names for files and folders cannot be entered from the keyboard (for example, *, /.).
- The folder and file names are case-sensitive on Internal Flash memory, which are case-independent on an expansion memory card.

Menu list

File	New folder	Creates a new folder (see page 40).
	Delete	Deletes the selected file or folder. When a folder is deleted, all of the files within the folder will also be deleted.
	Duplicate	Duplicates the selected folder or file. When a folder is duplicated, all of the files within the folder will also be duplicated.
	Send by beam	Transmits the selected file to another Zaurus or similar device using infrared transmission.
	Rename	Changes the name of a file or folder (see page 41).
	Change date	Changes the date information of the file.
	Prev folder	Displays the folder which was previously viewed.
	Next folder	Displays the next folder.
Edit	Cut	Cuts the selected file or folder. When a folder is cut, all of the files within the folder will also be cut (see page 40).
	Copy	Copies the selected file or folder. When a folder is copied, all of the files within the folder will also be copied (see page 40).
	Paste	Pastes cut or copied files or folders.
View	List	Switches to the list view index screen (see page 41).
	Thumbnails	Switches to the thumbnail view index screen (see page 41).
	Preferences	Change the operation when the Cancel key is pressed.
	List View Settings	Changes the column items shown when the List view index screen is displayed (see page 41).

Basics of Using Applications

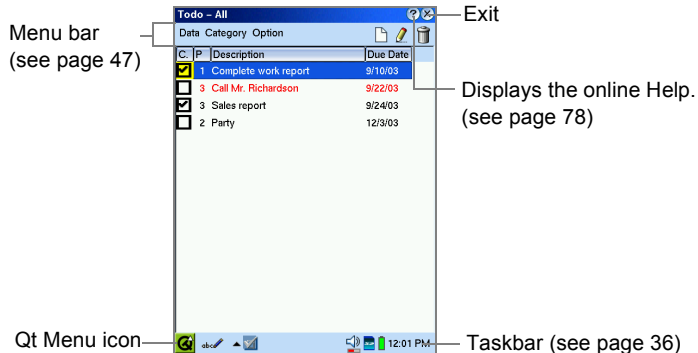
This section describes basic operations for using applications. Operations may differ in some applications.

Starting and exiting an application


1. Display the Applications Home screen.



2. Tap the “Todo List” application icon to start the application.



Note: On the Home screen, press the **Menu** key or tap the Qt Menu icon, then select the desired application from the displayed menu to start the application. Slide your stylus on the screen until you select desired application through the sub-menu of “Applications”, “Settings” and other menu, and release your stylus on the application to start.

3. Tap on the  at the upper right of the screen to close the application.

Note: Multiple applications may run simultaneously. However, limited available working memory may cause certain running applications to terminate or malfunction, when you try to start a new application.

Application Fast Load

Some applications may take a while to launch when there is a large amount of data associated with the application. There are some applications which you can reduce the start up time by using the settings on the “Details” screen (to open the “Details” screen, tap and hold an application icon for a few moments in the Applications Home screen).

If you check the “Fast load” option in the “Details” screen, the start up time for that application will be shortened (there are also some applications that do not have the Fast load checkbox).

Note:

- *Selecting the Fast Load option will consume more memory. Limited available memory may cause the launch time to slow down.*
- *Even when “Fast Load” is enabled, the first time to launch the application may not be as fast as subsequent times.*
- *You can disable the “Fast Load” application by removing the checkbox on the details screen.*
- *When “Fast Load” is checked off, note that the ordering of the list has not be resumed. If you change the ordering of the list again, tap column buttons.*

Viewing data (Index screen/Detail screen)

1. Start the Todo List application.

The Index screen will be displayed and the entries can be viewed in list form.

Category name

Application name

You can change the width of the columns by touching and dragging here with the stylus (not available for some columns).

You can change the list order by tapping on the column buttons.

2. Press the **Up** or **Down** cursor key to move the focus to the desired entry.

3. Press the **OK** key.


The Detail screen of the entry will be displayed.

Tapping an entry in the Index screen will also display the Detail screen.



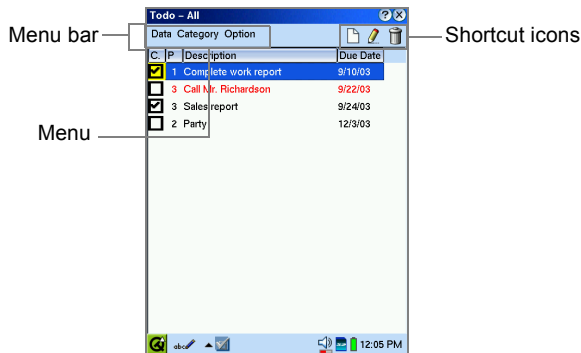
Closes the screen.

Note: For data intensive applications, the screen might display slowly.

4. Press the **Cancel** key or tap  in the upper right to close the Detail screen. The display will return to the Index screen.

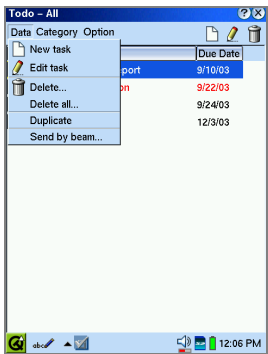
Using the Menu bar

The Menu bar is displayed at the top of the Index, New/Edit and other screens. The items on the Menu bar will vary depending on the application.



Menu operations

1. Press the **Menu** key or tap the desired menu command.
The menu will open.



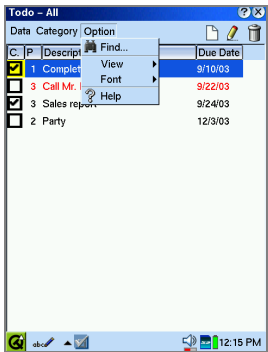
Note: Pressing the **Menu** key again will close the menu.

2. Press the **Left/Right** or **Up/Down** cursor keys to select the desired menu command, then press the **SELECT** key to execute it.

You can also tap the desired menu to select it.

When ► is displayed on the right edge of the menu, a sub-menu exists.

When the menu item has a ellipsis mark suffix (...), selecting the menu item will open another window or screen.



Moving the focus

The focus is moved using the cursor key. Focused items (entry, tab, shortcut icon, etc.) are enclosed by a dotted line.

The focus will move within the allotted area (entries list, menu bar, tab, etc.).

For example, when the focus is on the shortcut icon, pressing the **Left** and **Right** cursor keys will move the focus within the Menu bar, and not to the entries list.







Press the **Tab** key to move the focus to another area (the focus will differ within applications).

Note: *If the entries highlight does not move by pressing the cursor key on the Index screen, press the **Tab** key to move the focus to the entries list.*

Menu and shortcut icons

The following menus and commands are common to the Index and Edit screens of some applications.

Some of them are indicated in the shortcut icon format on the Menu bar.

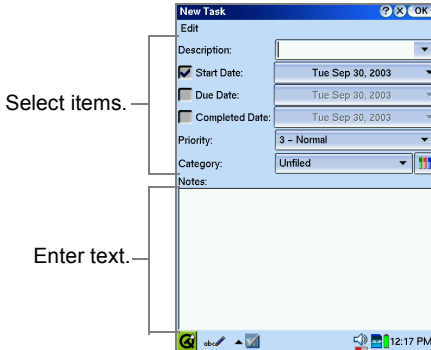
Menus		Shortcut icons
Data menu Address Book Calendar Todo List	New*** (Creates a new entry)	
	Edit*** (Edits the entry)	
	Delete... (Deletes the entry)	
	Delete all... (Deletes all entries)	-
	Duplicate (Duplicates the entry)	-
	Send by beam... (Transfers data by an infrared beam)	-
Category menu Address Book Todo List	All (Displays all created entries)	-
	Business (default fixed category)	-
	Personal (default fixed category)	-
	Unfiled (Displays only unfiled categories)	-
Option menu Address Book Calendar Todo List	Find... (Finds entries)	-
	Font (Changes the display font size)	-
	Help (Displays the online Help)	-
Edit menu Address Book Calendar Todo List Text Editor	Undo (Undoes the last operation)	-
	Cut (Cuts selected text to the clipboard)	
	Copy (Copies selected text to the clipboard)	
	Paste (Pastes text within the clipboard where the cursor is positioned)	



Refer to the “Categorizing entries” for details about Categories (see page 55).

Creating a new entry

1. Tap the New icon ().

The new entry screen for the selected application will be displayed.



Note: Instead of step 1, pressing  +  will allow you to open a new entry screen.


2. Select and enter the required items.

See the following pages for details about making entries.

- Entering Characters (see page 62)
- Selecting from a list (see page 51)
- Using checkboxes (see page 54)
- Using the Menu bar (see page 47)
- Categorizing entries (see page 55)

Note: Pressing the **Tab** key on the hardware keyboard will move the focus to the next component.




3. Tap  or press the **OK** key to save the setting.

If you tap  or press the **Cancel** key, the entry screen will close without saving any new data.

Note: For other ways to create an entry using the menu(s) on the Menu bar, see page 47, “Using the Menu bar”.

Modifying an entry

Open the Edit screen

1. On the Index screen, select an entry you want to modify.
2. Tap the Edit icon ()
The Edit screen will be displayed.
3. Make your modifications.
4. When you have finished making your modifications, tap  or press the **OK** key to save the modifications.
If you tap  or press the **Cancel** key, the Edit screen will close without saving any changes.

Moving and duplicating text

1. Drag the text to select it.
2. To move the text, tap “Cut” on the “Edit” menu, or tap “Copy” to copy the text.
3. Move the cursor to the destination for moving or copying the text.
4. Tap “Paste” on the “Edit” menu.
The text will be pasted in the new location.

Note: *Cut, Copy, and Paste operations may not be possible if the user area is almost full.*

Selecting from a list

When entering or editing data, some items are selected from lists.
There are three types of lists, as follows:

Drop-down list

Tap the drop-down list button and select from the list.

Combobox

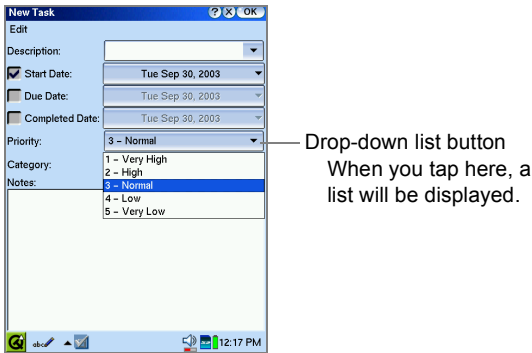
Tap and select from the list, or enter information directly.

Spinbox

Select numerical values by tapping  or , or enter numbers directly.

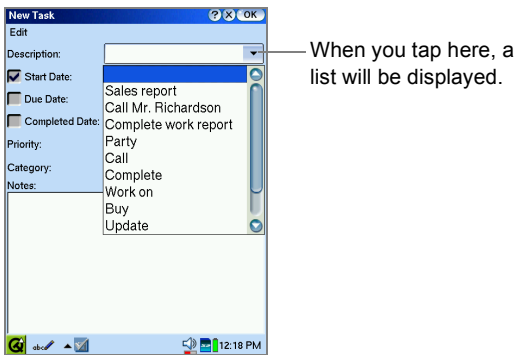
Drop-down list

- 1. Tap the drop-down list button and select from the displayed list.



Combobox

- 1. Tap the Combobox button at the right edge of the field and select from the displayed list.





2. When the desired entry does not appear on the displayed list, tap the field and enter the information there.

The 'New Task' dialog box contains the following fields and controls:

- Description:** A text input field with a cursor.
- Start Date:** A date picker set to 'Tue Sep 30, 2003'.
- Due Date:** A date picker set to 'Tue Sep 30, 2003'.
- Completed Date:** A date picker set to 'Tue Sep 30, 2003'.
- Priority:** A dropdown menu set to '3 - Normal'.
- Category:** A dropdown menu set to 'Unfiled'.
- Notes:** A large text area for additional information.

Tap here and enter the information.

Spinbox

1. Tap  or  at the right edge of the field to change the number. You can also tap the entry field and enter a number directly.

The 'Set System Time' dialog box contains the following fields and controls:

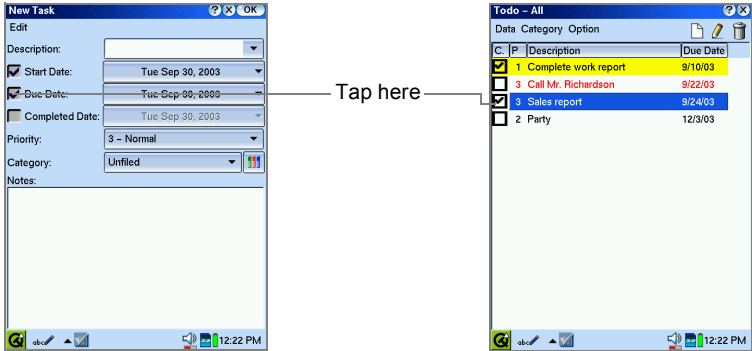
- Time Zone:** A dropdown menu set to 'New York'.
- Hour:** A spinbox with a cursor, showing '12'.
- Minute:** A spinbox showing '21'.
- PM:** A dropdown menu.
- Date:** A date picker set to 'Tue Sep 30, 2003'.
- Time format:** A dropdown menu set to '12 hour'.
- Weeks start on:** A dropdown menu set to 'Sunday'.
- Date format:** A dropdown menu set to 'M/D/Y'.

Tap here.

Using checkboxes

You can select items by placing a checkmark or deselect them by removing the checkmark.

1. Tap a checkbox to place a checkmark there.

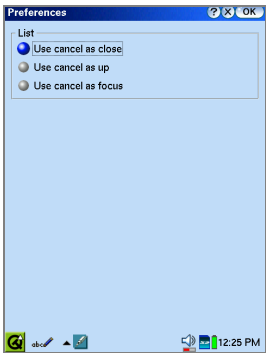


2. Tap again to remove the checkmark.

Using the radio buttons

Radio buttons are used to select a single item from multiple options.

1. Tap the radio button to select.



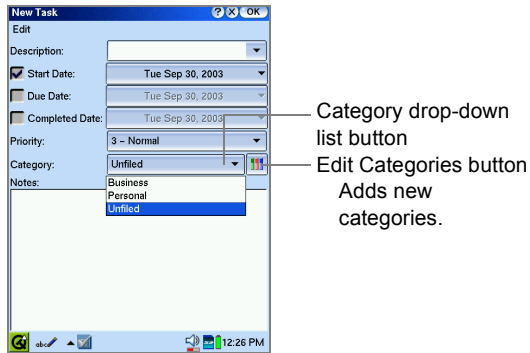
Categorizing entries

Once you categorize an entry, you will be able to display the entry in the appointed category (Address Book and Todo List). You can also assign an entry to several different categories.

Selecting the desired category from a list

1. Display the New Entry screen or the Edit screen.
2. Tap the Category drop-down list button.

The Drop-down list will be displayed.

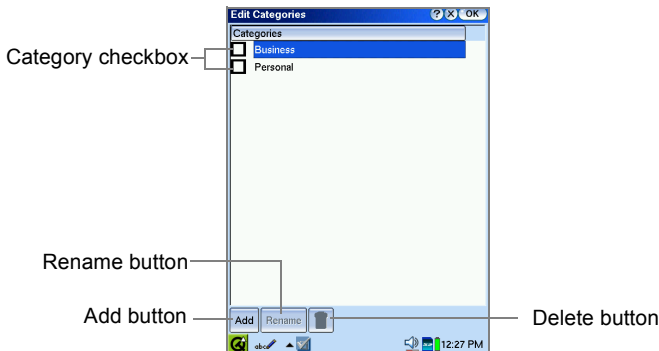


3. Tap the desired category to select.

Adding new categories

1. Display the New Entry screen or the Edit screen.
2. Tap the Edit Categories button ().

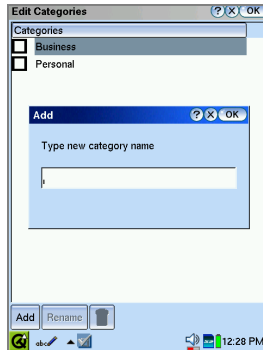
The Edit Categories screen will be displayed.



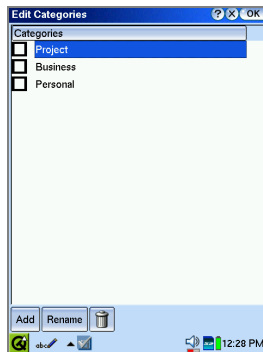
Note: When the category has already been selected in step 1, the Category checkbox will be checked.

3. Tap the “Add” button.

The Add screen will appear for entering a new category name.

**4.** Enter the new category name and then tap **OK**.

The newly created category name will be displayed in the Edit Categories screen. To add additional categories, repeat steps 3 and 4.



- If you want to change the category name you created, tap the desired category name and then tap the “Rename” button.
- If you want to delete a category you created, tap the desired category name and then tap the Delete button (🗑️) (entries that are assigned only to the category you delete will be automatically reassigned to the “Unfiled” category).

Note:


- *You cannot duplicate an existing category name.*
- *The default category names (Business, Personal) cannot be renamed or deleted.*

5. Tap **OK** or press the **OK** key to save the setting.

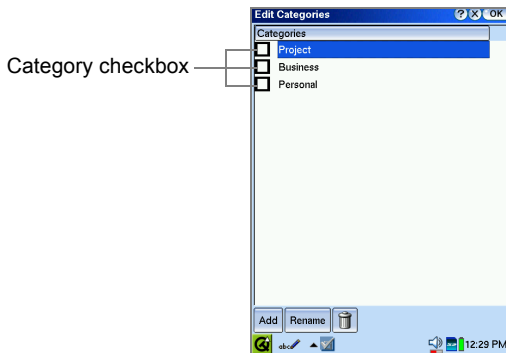
Note:

- If you tap the Category drop-down list button on the New Entry or Edit screen, the added category will be displayed in the list.
- To view the entries of a specified category, see page 58.

Assigning one entry to multiple categories

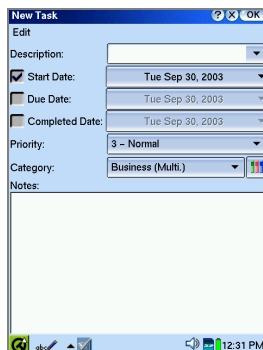
1. Display the New Entry screen or the Edit screen.
2. Tap the Edit Categories button ().

The Edit Categories screen will be displayed.



3. Select a category for the entry by placing a checkmark in the appropriate category checkbox. Multiple categories can be selected.
4. Tap **OK** to save the setting.

Return to the New Entry screen or Edit screen. If you have assigned multiple categories, "(Multi.)" will appear in the Category name field.



Viewing the entries of a specified category only

In the Index screen of the Address Book or Todo List applications, you can display only the entries that are assigned to a specified category.

1. On the Index screen, tap the “Category” menu.

The category name will appear in alphabetical order and the current category will be checked.

If you have 13 category names (including “Business”, “Personal” and “Unfiled”) or more, the Category menu on the Index screen lists “All”, “Unfiled”, or “More...”.

If “More...” is displayed, skip to step 1 below.

2. Tap the category you want to display.

The entries belonging to the category you select will be displayed on the Index screen.

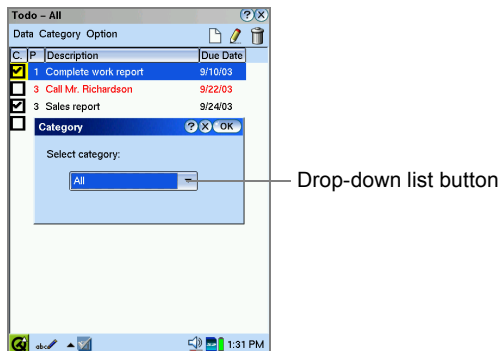
The current category name will be displayed next to the application name on the title bar of the Index screen.

Choose the “All” category to show entries in any category.

When “More...” is displayed in the Category menu

1. Tap “More...”.

The Select category screen will appear.



2. Tap the drop-down list button.

All category names will appear in alphabetical order.


3. Tap the category you want to display and then tap **OK**.



The Select category screen will close and then the entries belonging to the selected category will be displayed on the Index screen.

Note: The “New Event” screen for inputting an event entry for the Calendar application includes a Category setting. This setting is for synchronization with a PC. There is no function for viewing the event entries of a specified category in the Calendar application itself.

Deleting entries

Deleting an entry

1. On the Index screen, select an entry you want to delete.
2. Tap the Delete icon () on the Menu bar.
The confirmation message will be displayed.

Note: Pressing  +  will allow you to perform the delete function.

3. Tap “Yes” to delete it.
The selected entry will be deleted.

Deleting all entries in the application

1. Tap the “Data” menu and then tap “Delete all” in the desired application.
The confirmation message will be displayed.
2. Tap “Yes” to delete them.
All entries in the application will be deleted.

Duplicating an entry

1. On the Index screen, select an entry you want to duplicate.
2. Tap the “Data” menu and then tap “Duplicate”.
The selected entry will be duplicated.

Transferring data by an infrared beam

You can transfer entries created in the Address Book, Calendar and Todo List using the IR port (IrDA) on the left side of the unit. For detailed information, see “Beam Receive” in the Operation Manual on the CD-ROM.

Changing the display font size

(For the Address Book, Todo List, and the Detail screen of the Calendar, Text Editor and EMail applications)

You can change the display font size in the application for easier viewing.

1. Tap the “Option” menu and then tap “Font”.
The current display font size will be checked.

2. Tap the desired font size.

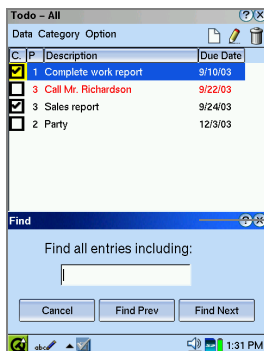
Note: *The selected font size will only apply to the current application.*

Searching for an entry

(For the Address Book, Calendar, and Todo List applications)

The Find menu command will help you search for a specific entry stored in the application. If only the entries of the specified category are displayed in the Index screen, the Find function will only search the specified category. To carry out the Find function for all categories, select “All” from the Category menu to display all entries in the Zaurus.

1. On the Index or Detail screen, tap the “Option” menu and then tap “Find”.
The Find screen will appear.



By tapping and dragging on the title bar of the Find screen, you will be able to move it.

2. Enter the keyword.


Note:

- The Search function will not distinguish between uppercase and lowercase letters.
- For the search function of the EMail application, see the “EMail” section in the Operation Manual on the CD-ROM.

- 3.** Tap “Find Next” to continue the search in the remainder of the entries, or “Find Prev” to search the previous part of the entries.

The search result will appear.

If multiple entries are found, tap the “Find Next” or “Find Prev” to switch between the entries to be displayed.

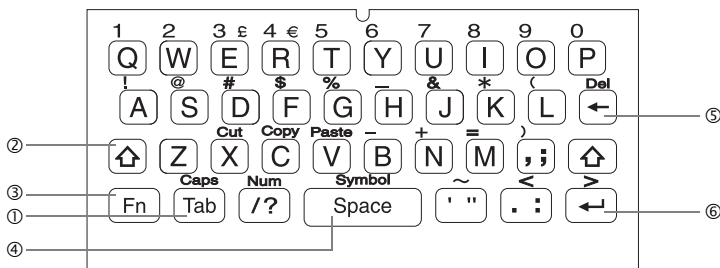
- 4.** Tap  to close the Find screen.







Entering Characters

The Zaurus provides two ways of entering characters: using the hardware keyboard and software keyboard.

Using these tools, you can type in letters, numbers and special characters.

The hardware keyboard



- ① Tab key () Acts as a tab key. On the Edit screen, the cursor will move to the next field.
- ② Shift key () Shifts the mode to enter uppercase letters or lowercase letters when the Caps lock key is active.
- ③ Fn key () Enables the entry of numbers and symbols printed on the keyboard in orange.
- ④ Space key () Inserts a space.
- ⑤ BS key () Deletes the character to the left of the cursor.
- ⑥ Enter key () Executes the current operation or starts a new line.

Fn key (Fn) as combination key when held down

Caps (Fn + Tab)	Changes the entering mode to enter uppercase (capital) letters (Caps lock). To cancel the function, press Fn + Tab again.
Symbol (Fn + Space)	Opens the symbol window for entry of special characters.
Num (Fn + /?)	Changes the entering mode to enter numbers (Num lock) and symbols. To cancel the function, press Fn + /? again.
Del (Fn + +)	Deletes the character to the right of the cursor.
Cut (Fn + X)	Cuts the selected text.
Copy (Fn + C)	Copies the selected text.
Paste (Fn + V)	Pastes the cut/copied text.
Page scroll Up/Down (Fn + ↑/↓)	Scrolls pages on some screens.

Typing in text

Typing text is simple and straightforward.

Press a key to enter the corresponding letter.

For example (when Caps lock is not active):

To enter a lowercase letter “h”, press [h].

To enter an uppercase letter “H”, press [H] while holding down [⇧].

Note: When Caps lock is active, [H] will function in reverse.

To enter a symbol “@”, press [Fn], then press [S].

Entering numbers

Press [Fn], and then press the number key, or put it in the Num lock mode.

To enter numbers continuously, press the number key while holding the [Fn] key down.

Deleting text

If you make a mistake while entering text, you can delete the text as follows.


1. Move the cursor to the right of the character to be deleted.
2. Press [←] to delete a character to the left of the cursor.

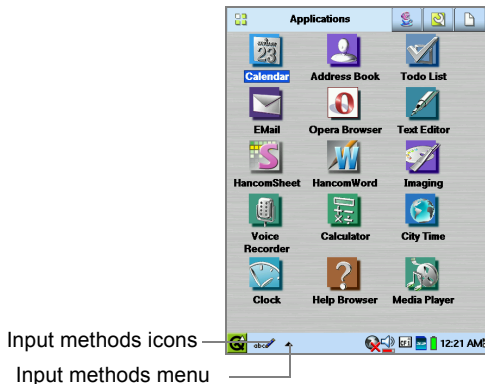
Entering “£” and “€”


To enter the “£” symbol, press [Fn] then release, then press [E] while holding down [⇧].





To enter the “€” symbol, press [Fn] then release, then press [R] while holding down [⇧].

Software keyboard

By default, “” will appear at the bottom left of the screen.



Tap the Input methods menu icon () to pop up a list of input methods: Handwriting, Keyboard, Pickboard and Unicode. Tap the input method you prefer. The icon will change to reflect your choice.

- Handwriting (): Enters characters using your handwriting.
- Keyboard (): Enters characters by tapping a QWERTY keyboard on the screen.
- Pickboard(): Enters characters by tapping a keyboard similar to a phone keyboard.
- Unicode (): Enters characters by tapping a list arranged according to their Unicode.

Tapping the Input methods icon will alternately pop up the input area and will hide the input area.

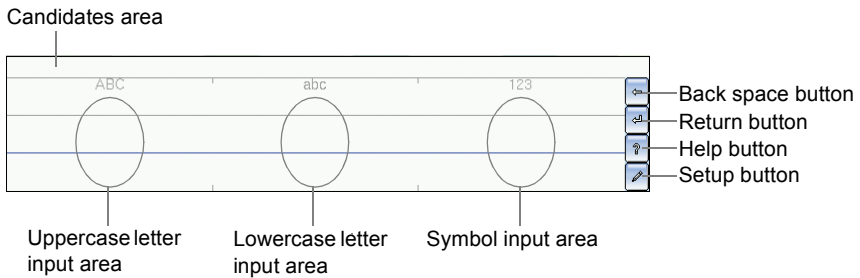
Handwriting

Pop up the input area in the handwriting mode.

Write a letter with the stylus.

There are three input areas: Uppercase letter input area, Lowercase letter input area and Symbol input area.

As you write letters, a list of words will appear on the Candidates area (top of the input area). Tap it to enter it.



Handwriting Gestures

To insert commands other than characters, make handwriting gestures.

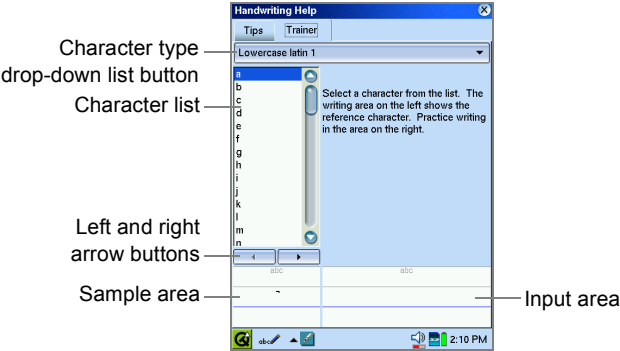
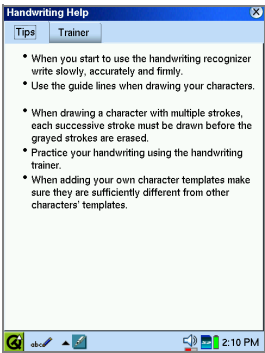
“Return”, “BackSpace”, “Uppercase”, and “CapsLock”.

These are indicated with brackets ([]) in the Character list on the Trainer screen of the Handwriting Help (see page 66), and you can learn how they are drawn.

Handwriting recognition

Tap the Help button of the Handwriting input method to view the tips or to use the trainer.

The Tips screen will show you hints of how to use handwriting effectively.



Practicing your handwriting

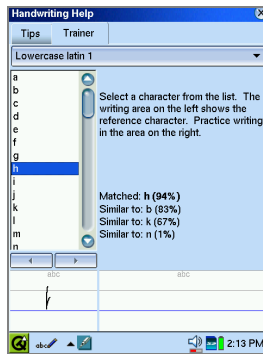
On the Trainer screen, tap the Character type drop-down list button to switch character types. Then, tap any character in the Character list.

As you tap, the character selected in the list will be demonstrated in the Sample area automatically.

If you tap the right arrow button, another way of writing, if available, will be demonstrated. When you select “Uppercase latin 1” and then tap the right arrow button, the corresponding lowercase letter will be demonstrated, if available.


While the selected character is demonstrated in the Sample area, practice your handwriting on the right Input area.

You can confirm your performance in the area above the input area showing the matched rate (%) of the character you wrote and the matched rate of similar characters to the character you wrote.

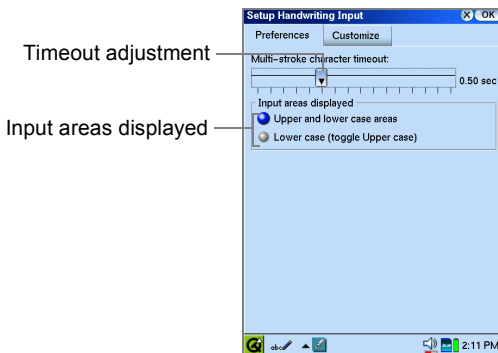


Tap to close the Handwriting Help

Setting up your preferences

Tap the Setup button () on the input area to set your preferences and to customize the handwriting input.

You can customize the handwriting input area.



Timeout adjustment (Multi-stroke character timeout)

Set the timeout (in seconds) of how to recognize one character within the specified time set.

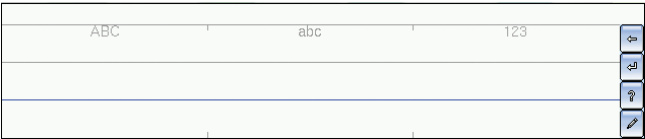
If you start after the specified time, it will be recognized as a second character.

Input areas displayed

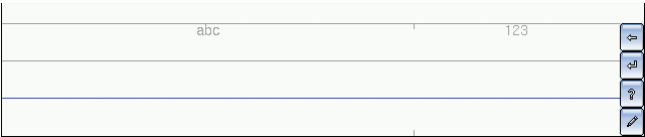
You can customize the input area shown in the handwriting mode (see below).

If you want to have both an uppercase input area and a lowercase input area, select "Upper and lower case areas" by tapping the radio button.

If you want to have only a lowercase input area, select “Lower case (toggle Upper case)” by tapping the radio button. In this case, when you write in uppercase, first perform an “Uppercase” gesture (see page 65, “Handwriting Gestures”) for writing the uppercase character and then write the desired character (in lowercase).



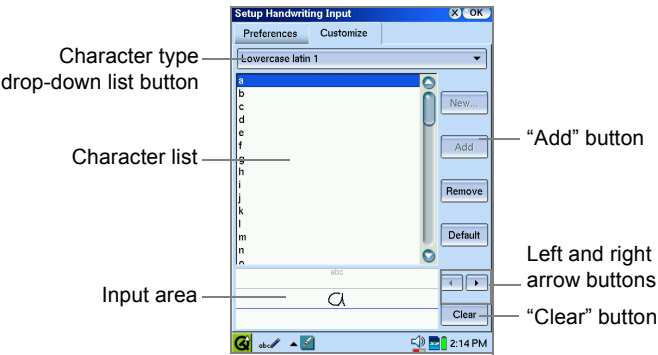
Upper and lowercase



Lowercase

Customizing your handwriting

This setting will allow you to customize the handwriting to your own style of writing.




The following four parts: Character type drop-down list button, Character list, Input area and left and right arrow buttons, work in the same way described on page 66 (Trainer screen in the Handwriting Help).

Recognizing your handwriting

The Input area shows the corresponding character selected in the Character list. This demonstrates the way the Zaurus recognizes the character.

You can clear it and write it your own way in the Input area. This will be the way the Zaurus recognizes your character.

- 1.** Tap your choice from the Character list.
- 2.** Tap the “Clear” button when the character is displayed.
- 3.** Write the character in your own style.
- 4.** Tap the “Add” button to add your writing.
- 5.** Tap  to save your writing.

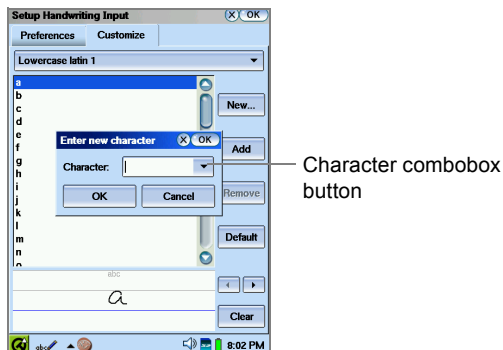
If you want to delete the way of writing recognized by the Zaurus, tap the “Remove” button. To revert to the default setting, tap the “Default” button.



Registering new characters

This setting will allow you to add new characters to the Character list. Not only characters but input command words such as Return and Backspace, and handwriting gestures can be selected instead of entering characters.

- 1.** Tap the “Clear” to clear the character displayed on the Input area.
- 2.** Write the desired character in the Input area.
- 3.** Tap “New”.

The Enter new character screen will be displayed.



- 4.** Type a character you want to register using the hardware keyboard.
If you want to add command words, tap the Character combobox button.
- 5.** Tap  on the Enter new character screen to add it.
- 6.** Tap  on the Setup Handwriting Input screen to save your writing.

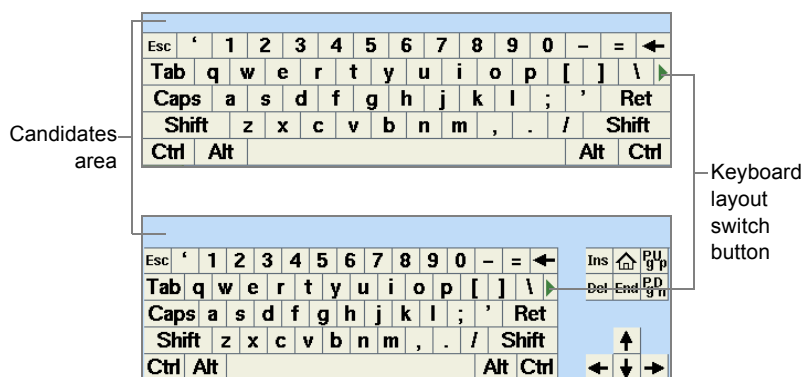
“Character” combobox

The choices are as follows: [Esc], [Tab], [BackSpace], [Return], [Uppercase], [Caps Lock], [Shortcut], [Punctuation], [Symbol], and [Extended].

Keyboard

Pull up the keyboard mode in the input area.

The keyboard will work just like a full-size keyboard, except that you tap the keys instead of typing on them.



Entering characters

As you tap, the character you tapped and candidates including it will appear above the keyboard.

Tap the desired character to insert it.

If you tap Shift, it will remain down until you tap it again or tap a letter.

Switching the keyboard layout

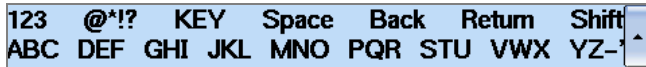
Tap the keyboard layout switch button (right arrow key) to switch the keyboard layout.

Insert, Home, PageUp, Delete, End, PageDown and arrow keys will be displayed and hidden every time you tap it.

Pickboard

The Pickboard will provide fast text input using a minimum amount of screen space. Pull up the Pickboard mode in the input area.

The Pickboard comprises groups of letters, plus a few symbols and command words.



Pickboard top row

This row has the 123 letter group for entering digits, the symbols letter group and some command words.

Tap "Space" to enter a space, tap "Back" to backspace delete, and tap "Return" to move to a new line.

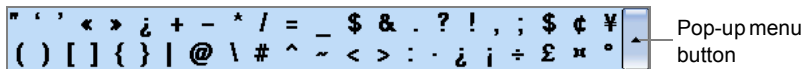
CAPS LOCK is controlled by tapping "Shift".

The KEY group leads to a set of keyboard navigation keys, e.g. PgUp, PgDn, etc. To return to the normal Pickboard, tap the Pop-up menu button and then tap "Reset".

To display numeric characters, tap "123". Tap on the desired number and then tap on the numbers in the top line for them to be entered.



To display symbols, tap "@*!?".



To display special characters or commands, tap a letter "KEY".



Pickboard bottom row

Tapping letter groups will enter words.

The Pickboard will present a list of letters and words at the top of the Input area. If the word you intend to type appears, tap it to insert it.

For example, to enter the word “hotel”, tap the GHI group (for “h”), then the MNO group (for “o”), then the STU group (for “t”), then the DEF group (for “e”), then the JKL group (for “l”). At this point the word “hotel” will appear; tap the word to enter it.

Pickboard menu

At the right of the Pickboard is a Pop-up menu button which offers an Add word option and a Reset option. Use this menu if you were not able to find your word.


To add a word, tap each letter of the word in the letter groups in turn, then tap the pop-up menu button and tap “Add...”.

To cancel selecting the letter group(s), tap the Pop-up menu button and then tap “Reset”.

This will pop up the Add dialog which will present a list of letters.

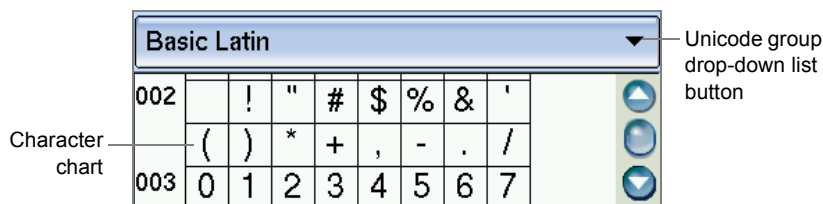


To switch between upper and lower case letter, tap a letter button again. The key-top indication will switch between upper and lower case.

Tap the letter buttons to compose your word, then tap  to add your word to the dictionary.

Unicode

Use Unicode mode to insert special characters and symbols.



Entering characters

Unicode characters are collected in groups.

To change the group, tap the Unicode group drop-down list button, then select the group you want.

To insert a character, tap it in the grid.

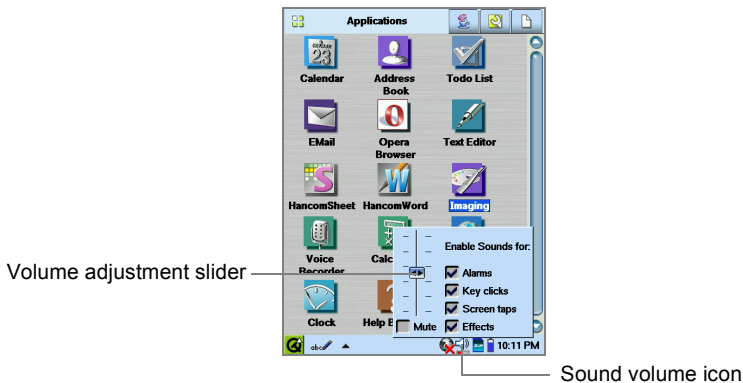
Adjusting the Volume

Volume setting allows you to adjust the volume setting of the built-in speaker and the stereo headphone to listen to the Voice Recorder files or the alarm, keyclicks, screentaps, and sound effects.

Using the task bar

The Sound volume icon will always appear on the taskbar.

1. Tap the Sound volume icon on the taskbar to display the Volume adjustment slider.



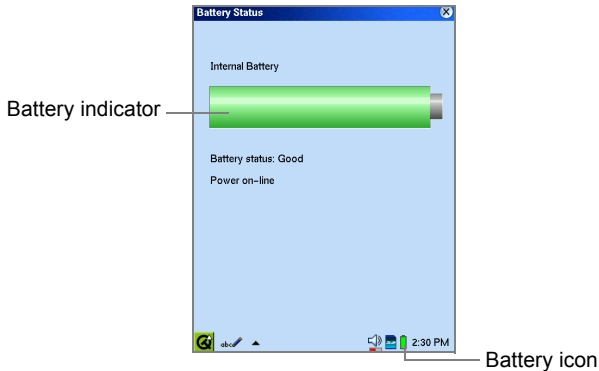
2. Tap and hold the slider and move up or down to adjust the volume.
3. Tap each checkbox to turn off the sound for the alarm, keyclicks, screentaps, or sound effects if necessary.
If you want to mute all sounds, tap the "Mute" checkbox.
4. Tap anywhere outside the Volume adjustment pop-up window to save the setting and close the window.

Note: With the stereo headphone attached, you can hear all sounds from the stereo headphone including alarms, keyclicks and screentaps.

Checking the battery level

1. Tap the Battery icon on the taskbar to check the battery level.


The Battery Status screen will appear.



The Battery indicator will display the remaining Battery power in green when the Zaurus is connected to the AC adapter, or in blue when not connected to the AC adapter.

Below the battery indicator, you can see the Battery status and connection or disconnection status of the AC adapter:

- Depending on the battery level, the Battery status reads: Good, Low, Very Low or Charging
- When the AC adapter is connected, "Power on-line" will be displayed, and when the AC adapter is disconnected, "External power disconnected" will be displayed.

2. Tap  to close the screen.

Using memory expansion

You can use a CompactFlash card, an SD memory card or a Multi Media Card. The Zaurus automatically recognizes the CompactFlash card and the SD memory card (Multi Media Card) when the card is inserted in the Zaurus. The memory card folders will appear in the Files Home screen.

The data in the Internal Flash can be backed up and restored using a memory card.

Caution: *Do not drop or shock the Zaurus with a card partially ejected from the main body. Doing so may cause malfunction or damage to the Zaurus or the card.*

Note: *The copyright protection function of the SD memory card is not implemented in the Zaurus.*

Inserting

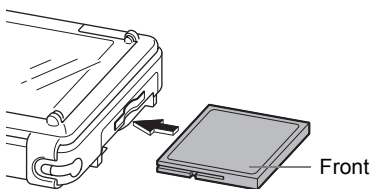
1. Be sure to turn the Zaurus on before inserting the card.

After turning the power on, check that the start-up routine has been completed (the keyboard and other function keys will be fully operational).

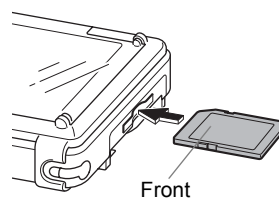
2. Insert the desired card into the specific card slot until it slides securely into position.

Be sure to insert the card in the correct direction and orientation.

CF card slot



SD card slot



The CF (or SD) card icon will appear on the taskbar in the bottom right-hand corner of the screen.

The memory card folders will appear in the Files Home screen.


Caution:

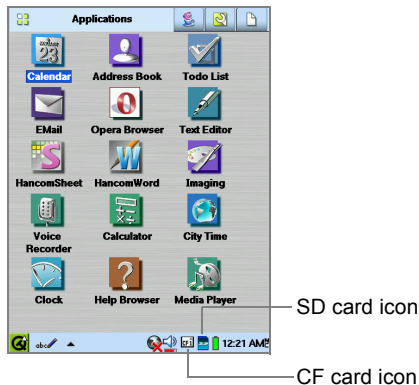
- Only insert the card after the start-up routine has been completed (the keyboard and other function keys will be fully operational) after the power is turned on. If the card is inserted before the start-up routine is completed, the Zaurus will not properly recognize the card, and may result in improper operation.
- Do not subject the card to strong electrical shocks.
- Insert the SD memory card and the Multi Media Card into the slot until they are completely inserted.

Note:

- The Zaurus will take longer to start up when it has a memory card installed compared to when it does not. This is because the system will check the card at startup.
- Sharp recommends that you only use the memory cards that have been approved by Sharp. Use of other cards may not work properly with the Zaurus.

Removing

1. Be sure all applications are closed before removing the card.
If any applications are open, tap  to close them.
2. While the card is inserted, tap the CF (or SD) card icon on the taskbar.
The pop-up menu will appear.



3. Tap "Eject CF card" (or "Eject SD-card").

The CF (or SD) card icon will disappear.

At the same time, the memory card folder will be erased from the Files Home screen.

Now you are ready to remove the card from the CF (or SD) card slot.

4. After the CF (or SD) icon disappears, remove the CF card straight out. Or push the SD memory card or Multi Media Card inwards slowly and then remove it.

Caution:


- The Eject Operation is not available if any files on the memory cards are open, or if a modem card, etc. is in use.
- When you select the CF card or SD card as the destination to store Email application files, the CF card or the SD card may be unable to eject. In such case, change the destination to the Zaurus then eject the CF card or the SD card.
- If you do not carry out the Eject Operation, the Zaurus will not recognize cards properly, and this may result in incorrect operation. The data on the card may also be corrupted.
- Use your fingers to prevent the card from popping out from the SD card slot.

Using Help

The Help Browser is a hyperlinked help system that works similar to a Web browser.

1. In the Applications Home screen, tap the “Help Browser” application icon. The top screen will be displayed.
2. Tap the blue word to jump to the page concerning the word.

Note: With the following methods, you can open the context-sensitive help screen of the Help Browser (not available for all applications).

- Tap  for the application help screen.
- Tap the “Option” menu and then tap “Help” on the Index screen of the application.



Bookmarks menu		
	Add Bookmark	Adds the page to the bookmarks.
	Remove from Bookmarks	Removes registered bookmarks.

Registering bookmarks

By registering frequently-used pages, you can easily jump to the page.

- 1.** Display the Help Browser page you want to register to the bookmarks.
- 2.** Tap the “Bookmarks” menu and then tap “Add Bookmark”.
The title of the page will be registered.

Once you have registered it, the title of the bookmarked page will be displayed in the Bookmarks menu. Tap the bookmarked page in the Bookmarks menu to jump to that page.

Removing bookmarks

- 1.** Tap the “Bookmarks” menu and select the bookmarked page that you want to remove from the menu.
The bookmarked page will be displayed.
- 2.** Tap the “Bookmarks” menu and then tap “Remove from Bookmarks”.
The bookmark of the page you are on will be removed from bookmarks.

How to Install Applications on Your Zaurus

This section provides the procedures for installing software from the accompanying CD-ROM onto the Zaurus.

Step1: Transfer the application installation file from the CD-ROM to the Zaurus. Insert the CD-ROM into your CD-ROM drive.

The procedure for transferring the application installation file to the internal Flash memory of the Zaurus will be explained. (The software can also be transferred to a memory card.)

Step2: The software installation process will be executed on the Zaurus.

The procedure for installing software into the Zaurus Internal Flash memory will be explained. (The software can also be installed onto a memory card.)

Step 1: Copying the Software to the Zaurus

1. Check that the Zaurus File Transfer application has been installed correctly according to the instructions that start on page 15.
2. If the Zaurus and PC are not already connected, connect them using the Docking Station following the steps on page 32 ("Connecting the Zaurus to your PC").

Note:

- *If you have set or changed the Security passcode on the Zaurus or changed the method of connection in the "PC Link" application on the Zaurus, also set or change the settings on the "Zaurus Manager" screen in your PC (see "Security" in the Operation Manual and "Zaurus Manager Setting" in the operation manual for Zaurus File Transfer application, etc.).*
 - *When communicating with the PC, do not perform any operations on the Zaurus, do not turn off the power, do not remove it from the Docking Station, and do not disconnect the cable from the PC.*
 - *When communicating with the PC, the AC adapter must be connected.*
3. Turn on the power for the Zaurus. If the power is already on, turn it off, wait approximately 30 seconds, then turn the power on again.

4. Double-click on the CD-ROM drive name (example: D) in the My Computer application on your PC.

The menu screen will be displayed automatically. You can also display the menu by ejecting the CD-ROM, then reinserting it.

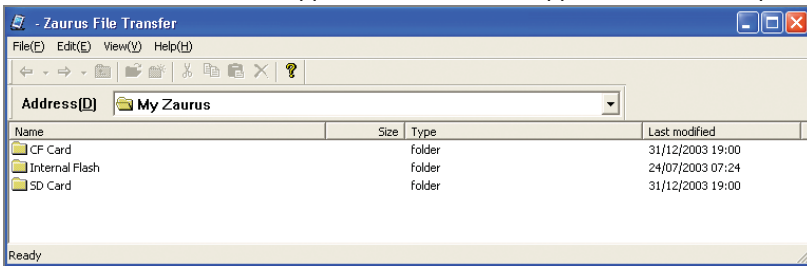
5. Click “Additional Software for the Zaurus”.

A window will open, displaying the Applications folder on the CD-ROM.

6. Next, display the Zaurus memory window.

Click the Start menu, then (All) Programs → Sharp Zaurus 2 → Zaurus File Transfer → Zaurus File Transfer.

The Zaurus File Transfer application window will appear on the desktop.



The Zaurus memory will be displayed on the PC using the Zaurus File Transfer application.

The “Internal Flash” folder displays the internal flash memory of the Zaurus. When a memory card is installed, an “SD Card” or “CF Card” folder will appear.

7. Double-click the “Internal Flash” folder, then double-click “Install_Files” folder.

Note: When installing software on the Zaurus, copy it into the “Install_Files” folder.

8. Drag the file from the Applications folder of the CD-ROM and drop it into the “Install_Files” folder of the Zaurus.

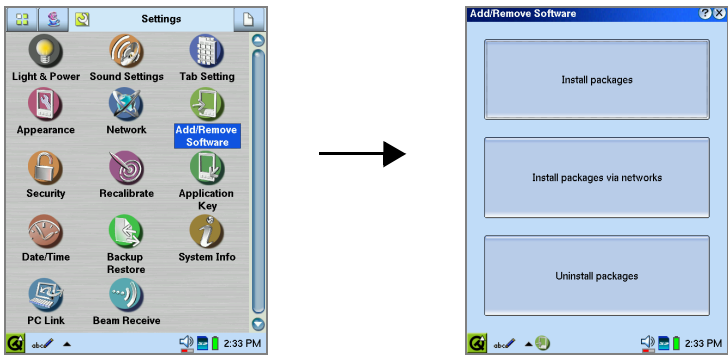
The file will be transferred into the Zaurus memory.

Note: *If there is a PC card slot on the PC you are using, instead of using the Zaurus File Transfer procedure above, you can copy the software onto a memory card, then insert the memory card into the Zaurus. You can then continue with the following steps.*

Step 2: Installing the Software for Use on the Zaurus

Install the software you copied onto the Zaurus for use with the Add/Remove Software application.

1. Turn on the power to the Zaurus and display the Settings Home screen.
2. In the Settings Home screen, tap the “Add/Remove Software” application icon, then tap “Install packages”.



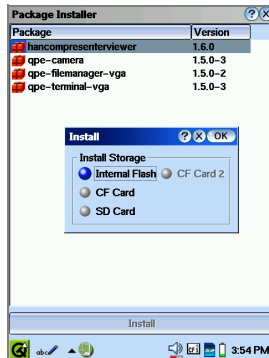
A list of software copied to the Zaurus will be displayed.

3. Tap the software to be installed.



A screen for selecting the software installation destination will be displayed.

4. Tap “Internal Flash” to select it.



5. Tap .

The installation will begin.

6. Tap “OK” on the confirmation screen.

The display will return to the screen in step 3.

The icon for the software will change from to . To install additional software, repeat steps 3 through 6. To complete the software installation, be sure to perform steps 7 and 8. The installation is not yet completed at this point.

7. Tap .

The display will return to the screen at the right in step 2.

8. Tap to exit the Add/Remove Software application.

After a few seconds, the Home screen will be displayed.

The software is now ready for use.

The installed application package file is listed in the related Home screen and can be launched from there.

Note:

- If an error message is displayed while the software is being installed, follow the instructions.
- Uninstall the software also with the Add/Remove Software application. For details, see the Operation Manual on the CD-ROM.

Appendix

What to do if a problem occurs

When a problem occurs, first refer to the Troubleshooting section (see page 95) and the “Troubleshooting Guide” included on the CD-ROM.

If an entry is displayed incorrectly on the screen, if tapping the screen or operating a key does not work properly, or if other problems occur, try the following sequence of operations:


- 1. Reboot**
- 2. Reset**
- 3. Error check (in the Maintenance menu)**

When the error check is executed, corrupt files or data may be deleted if found. If the problem is not resolved by the steps above, execute “Format”.

All data or added software will be deleted.

Note: *After performing one of the steps above, the time and date setting may not be accurate. Be sure to check the setting and adjust the time and date, if necessary.*

1. Reboot

- 1.** After saving any edited entry, close all applications.
- 2.** Tap the Qt Menu icon () on the taskbar and then select “Reboot”.
- 3.** Tap “Yes” to reboot the Zaurus.

The Reboot process will begin. The screen will go blank briefly, then the Set System Time screen will be displayed after a few minutes. Adjust the time and date, then press the **OK** key.

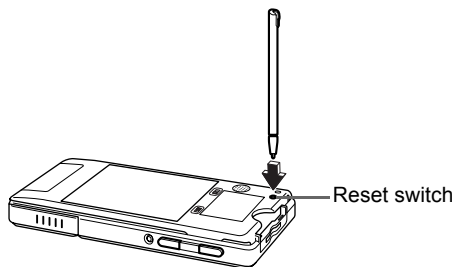
The Home screen will be displayed.

2. Performing a Reset

When a Reboot cannot be performed, or the Zaurus does not work correctly even when rebooted, try the following reset operation (reset and full-reset). Editing data will be lost by performing a reset (the stored data won't be lost).

Resetting

1. After saving any entry being edited, close all applications.
Turn the Zaurus off and make sure that the screen has gone blank.
When the screen does not go blank after approximately 10 seconds or when the power cannot be turned on/off, perform the next step.
2. Press the reset switch with the supplied stylus pen.



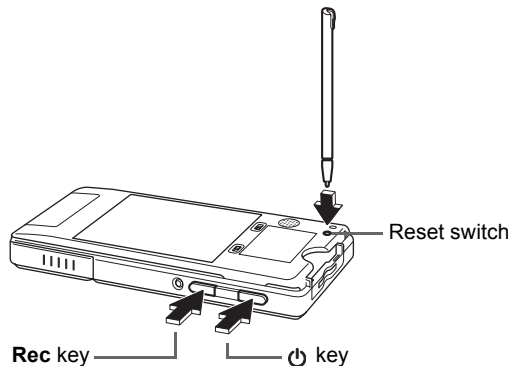
3. Turn the Zaurus on.
The Set System Time screen will be displayed after a few minutes.
Adjust the time and date, then press the **OK** key.
The Home screen will be displayed.

Full-resetting

Attempt a full-reset if the Zaurus does not work correctly even after performing a reset.

1. After saving any entry being edited, close all applications.
Turn the Zaurus off and make sure that the screen has gone blank.
When the screen does not go blank after approximately 10 seconds or when the power cannot be turned on/off, perform the next step.

2. Press the reset switch with the supplied stylus pen while holding the **Rec** and **⏻** keys.



3. Release the **Rec** and **⏻** keys.

4. Turn the Zaurus on.

The Set System Time screen will be displayed after a few minutes. Adjust the time and date, then press the **OK** key.

The Home screen will be displayed.

Caution: Be careful not to drop the Zaurus when resetting.

Note: Repeat from step 1 if resetting can not be performed.

3. Performing an Error check

This can be executed from the "Maintenance menu". Refer to "Maintaining Your System" for instructions and precautions.

This will check for abnormal data in the Internal Flash memory and memory card. If any abnormalities are discovered, the files or data with the problems will be deleted, and your files or entries may be lost.

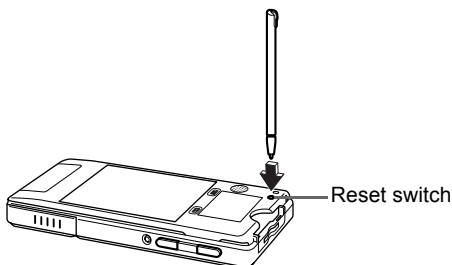
Maintaining Your System

Zaurus system maintenance can be performed from the Maintenance menu. You need to display the Maintenance menu first, to perform the Error check, Format, and Update operation.

Note: After performing one of the steps below, the time and date setting may not be accurate. Be sure to check the setting and adjust the time and date of the Zaurus.



Displaying the Maintenance menu

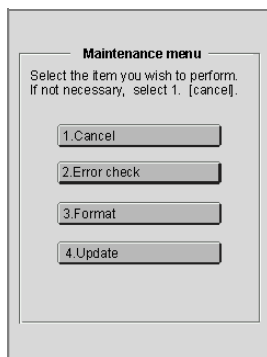
1. After saving an edited entry, close all applications.
Turn the Zaurus off and make sure that the screen has gone blank.
2. Be sure to attach the AC adapter.
Make sure that the charge light will turn on.
3. Press the reset switch with the supplied stylus pen.



4. Press the  key while holding the **OK** key.

Note:

- Repeat from step 1 if the Maintenance menu is not displayed.
- The Maintenance menu cannot be displayed by pressing the  key while holding the  key.



Note: Please select the menu using the numeric key, or the cursor key and press the **OK** key.

1. Cancel	Closes the Maintenance menu screen. After performing a reset, the display will return to the Home screen.
2. Error check (see page 88)	Checks whether there are any abnormalities in the data in the Zaurus Internal Flash memory and memory card. Should be performed when abnormal operation continues even after a Reset operation (see page 85). The files or data with problems will be deleted, and your files, entries, data or settings may be lost.
3. Format (see page 89)	Erases all data in the Zaurus Internal Flash memory and then re-formats the memory. Data or settings entered after purchase or software you have added will be deleted. Application updates and the contents of the Zaurus system will not be erased (they will remain in the updated version).
4. Update	Performs an update on the Zaurus's main system only.

Note: If you select the wrong menu, press the **Cancel** key to return to the Maintenance menu screen.

Performing an Error check

The Error check will search for any abnormalities in Calendar, Address Book, Todo List, EMail, and Text Editor (Notes tab) data in the Zaurus Internal Flash memory and EMail data in the memory card.

Caution: If any abnormalities are discovered, the files or data with problems will be deleted, and your files, entries, data or settings may be lost.

1. Display the Maintenance menu (see page 87).
2. Press **[W]** to select "2. Error check".
The Error Check screen will be displayed.
3. Read the displayed information, then select "Yes" and press the **OK** key.
After a few minutes, the Error check start screen will be displayed. Follow the on-screen instructions.

Format the Zaurus


Formatting the Zaurus will erase all data on the Zaurus and then re-format the memory.


Caution: *Any settings or add-on software entered will be deleted when you format the Zaurus. Application updates and the contents which the Zaurus come with standard will not be erased (they will remain in the updated version).*

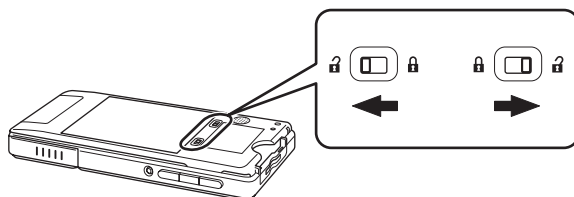
- 1.** Display the Maintenance menu (see page 87).
- 2.** Press **[E]** to select "3. Format".
The Format screen will be displayed.
- 3.** Read the displayed information, then select "Yes" and press the **OK** key.
The Format operation will begin.
When the Format operation is finished, follow the screen instructions to enter the initial settings (see page 11 to 14).

Replacing the Battery

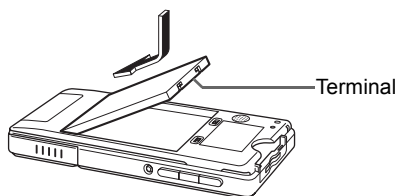
Caution:


- Before sliding the battery replacement switch to the “” position, make sure that the Zaurus is turned off and the screen is blank. If this step is not observed, the memory contents may be changed or lost.
- Only use the “EA-BL09” rechargeable battery.

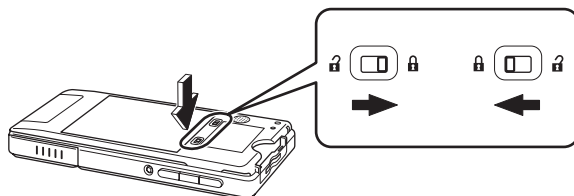
1. Turn the Zaurus off.
2. Slide both battery replacement switches on the back of the Zaurus to the “” position.




3. Remove the discharged battery.
4. Insert the battery with the terminal facing down.



5. Push and hold the battery in the direction of the arrow while sliding both of the battery replacement switches to the “” position.



If the battery is not charged, charge with the supplied AC adapter.

6. Press and hold the  key for about a second to turn on the Zaurus. If the Zaurus does not turn on, try again from step 1.
7. Check the time and date.

Conditions of Use

Your Zaurus conforms to international regulations insofar as it is used under normal conditions and in accordance with the following instructions.

Caring for your Zaurus

- Do not open or attempt to repair your Zaurus yourself. The product may only be repaired by authorized service personnel.
- Do not drop your Zaurus or subject it to severe impacts. Be especially careful when a partially ejected communications or other card is in the Zaurus. Malfunction or damage may occur to the card or the Zaurus.
- Bending the body can damage the circuitry. Do not use extreme force when pressing the display or keys.
- Close the Display protection cover to protect the LCD from being scratched, broken, or damaged when you carry it with other objects.
- Do not insert business cards, pens, etc. between the Display protection cover and LCD. The LCD may be broken or damaged if the Display protection cover is pressed with force.
- Do not use sharp, pointed objects or your fingernails to touch the display screen. Before using your Zaurus, remove dirt and stain from the screen so as not to damage the screen.
- Use only a soft, dry cloth to clean your Zaurus. Do not use volatile liquids like paint thinner, benzene, or wet cloths. They may cause deterioration or color changes.
- Do not carry your Zaurus in your back pocket as it could break when you sit down. The Display is made of glass and is particularly fragile.
- If using the Zaurus with the hand strap attached, do not subject the eyelet for the hand strap to force and strain. Do not swing the unit from its strap or pull on the strap very tightly. Doing so may result in damage or faulty operation.

Battery

- The Zaurus consumes battery power even when turned off.
- Before removing the battery from the Zaurus, make sure the Zaurus is turned off.
- The power supply may be blocked if there is dust on the battery terminals or the terminals of the main unit. Use a soft dry cloth to wipe the terminals. Batteries can cause damage, injury or burns if a conductive material touches the exposed terminals.

In the U.S.A., Canada only

“BATTERY DISPOSAL”

CONTAINS LITHIUM-POLYMER BATTERY. MUST BE DISPOSED OF PROPERLY. CONTACT LOCAL AGENCIES FOR INFORMATION ON RECYCLING AND DISPOSAL PLANS IN YOUR AREA.

Other

- Use your Zaurus only with “EA-BL09” batteries, the “EA-70” AC adapter and accessories recommended by SHARP. SHARP disclaims any liability for damage caused by the use of other batteries, AC adapters, or accessories.
- As with any electronic storage unit, data may be lost or corrupted under various circumstances. Back up important data regularly. We strongly recommend that you also keep separate written copies of all important data.

In the U.S.A.

This product utilizes tin-lead solder. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance: www.eiae.org

Environment

- The display quality may deteriorate if used beyond our recommended temperature range 0°C to 40°C (32°F to 104°F). However, this is only temporary and does not indicate a malfunction.
- Keep your Zaurus and accessories away from extreme heat. Do not leave it on the dashboard of a car or near a heater. Do not leave it in any place that is extremely damp or dusty.
- As this product is not waterproof, do not use it or store it where fluids such as water can splash onto it. Raindrops, water spray, juice, coffee, steam, perspiration, etc. will also cause a malfunction.
- The unit gets warm when used for a long period of time. Therefore, by holding the unit in the same position during operation, you may suffer low-temperature burns.

Precautions

AC adapter and AC power cord

If the following precautions are not observed, fire or electric shock may occur.

- Only use the “EA-70” AC adapter and the recommended AC power cord.
- Do not use the AC adapter for other equipment. The equipment may be destroyed.
- Do not use voltages beyond the indicated power supply voltage range.
- When not in use, disconnect the AC power cord and the AC adapter from the wall outlet and from the unit for safety.
- Do not perform modifications, disassembly, or repair.
- Do not connect or disconnect the AC adapter with wet hands.
- Do not use the AC power cord and the AC adapter under the following conditions below. When one of the following abnormalities occurs, immediately disconnect the AC power cord and the AC adapter from the wall outlet and the unit and turn off the power.
 - In case of damage.
 - When there is smoke or a strange smell.
 - When an abnormal sound is heard.
- The AC plug must be appropriate for the AC outlet configuration.
- This AC adapter should be used at ambient temperatures from 32°F to 104°F (0°C to 40°C).
- Only use the AC adapter and AC power cord indoors.
- Do not keep the AC adapter and AC power cord in places that are very dusty.
- Do not place heavy objects on the AC adapter or AC power cord and do not put them in places where they can fall from a high level.

Rechargeable battery

- Only use the “EA-BL09” rechargeable battery.
- When charging, be sure to use the Zaurus only with the “EA-70” AC adapter.
- Do not dispose of the battery in a fire.
- Also keep the battery away from open flames.
- Never attempt to disassemble the battery pack.
- Do not short-circuit the terminals as they will become very hot and will damage the battery.
- Do not drop or subject the battery to shock.
- Do not touch the battery or battery terminals in the battery compartment of the unit with wet hands.

- After storing the battery for a long period of time, be sure to charge the battery completely prior to use.
- Charge the battery properly, according to the details described in this guide.
- Fluid from a leaking battery accidentally entering an eye could result in serious injury. Should this occur, wash with clean water and immediately consult a doctor.
- Should fluid from a leaking battery come into contact with your skin or clothes, immediately wash with clean water.

Other precautions

- Keep batteries or accessories (I/O port cover, etc.) that might be swallowed away from children.
- Take care the volume setting when listening with the stereo headphone. Your ears could be injured by unexpectedly loud sounds.
- Never use the accompanying CD-ROM in an ordinary audio CD player.

Troubleshooting

If you have a problem with your Zaurus, check the following points.


If the problem remains, contact our Support center.

The screen is dark.


I want to know how to turn the back light on.

- Adjust the brightness of the light setting in the Light & Power application (see the Operation Manual: "Power Management (Light & Power)").
- Is the back light turned on? When the back light has been turned off due to the power saving setting of the Light & Power application, press the Back light key to turn the light on.

The back light does not turn on.

- When the brightness control slider in the Light & Power application is set to off, the back light will not turn on even if the Back light key () is pressed. Set the slider higher than the off position (see the Operation Manual: "Power Management (Light & Power)").

The charge light blinks or will not turn on.

- When the battery has been fully charged, charging the battery is unnecessary and the charge light will turn off. Tap the battery icon to check the battery status.
- Make sure that the supplied "EA-70" AC adapter is used and connected correctly. Disconnect the AC adapter and then connect it again.
- Remove and reinsert the battery. Make sure that the battery replacement switch is set to the "  " (see page 8).
- If the error persists, the battery or the unit may have a problem. Contact your local SHARP dealer for repair.

The Zaurus does not turn on even after recharging.

The charge light does not turn off even though more than standard charging time has elapsed since the charging began.

- When the battery has not been used for an extended period and has become overly discharged (including the first use of a new one), the power may not turn on for several minutes after charging and the charge light may not turn off even after the standard charging time. In such cases, disconnect the AC adapter and remove the battery. After approximately 5 seconds, replace the battery and recharge the battery (see page 90).
- Charge at the specified temperature range: 5°C to 35°C (41°F to 95°F).
- If left unattended after charging is completed and the charge light has turned off, the battery may discharge and charging may restart.

The Zaurus turns off by itself.

- You have not operated the Zaurus for a certain period and the Auto power off function may be activated. Press and hold the Φ key for about a second to turn the Zaurus on again (see page 33).
- The battery may be exhausted. Use the AC adapter to turn on the power if necessary, and after disconnecting the adapter tap the battery icon to check the battery status. Charge the battery, if it is low.
- Strong extraneous electrical noises or shocks might turn the Zaurus off. Try to turn the power on again.
- Press and hold Φ for about a second. Power may not turn on if Φ is not held long enough.

The Zaurus does not turn on by pressing the POWER key.**The screen is lit but characters, etc. are not displayed.****Entries are displayed incorrectly.****Tapping or operating keys will not work properly.**

- Try to change the displayed contents by pressing the **Home** key, etc.
- The battery may be exhausted. Connect the AC adapter and charge the battery (see page 9).
- Remove and reinsert the battery. Make sure that the battery replacement switch is set to the "A".
- Perform the Reboot/ Reset/ Error check operations in this order (see page 84).
- Press and hold Φ for about a second. Power may not turn on if Φ is not held long enough.

I forgot my Security passcode, and I cannot operate my Zaurus.

- It is necessary to execute "Format" in the Maintenance menu. This will clear the passcode, but you will lose all data created and saved, and add-on programs added to the Zaurus (see page 89).

The AC adapter and unit become hot while using the AC adapter or during charging.

- This is not a malfunction. The AC adapter and the unit become hot when the AC adapter is used or during charging.

A rainbow pattern is appearing on the screen.

- A rainbow pattern may appear on the screen when the unit is outdoors on a sunny day, etc., but this happens because of the interference occurred by the light rays and is not a malfunction.

Application start up is slow.

- The start up time can be shortened in some applications. Tap and hold an application icon on the Home screen for a few moments, then check the “Fast load” on the screen displayed. This will consume more memory (see page 46).

Entries in the Calendar application, etc. cannot be deleted.

- When the user area of the memory is full, entries in the Calendar, Address Book, Todo List, EMail, and Text Editor (in the Notes tab) applications may not be deleted. In such cases, delete unnecessary files in the Imaging or Text Editor (in the Text tab) applications or unnecessary files displayed on the Files Home screen.

A memory shortage is occurring when starting up applications.

- If some applications have already been opened, close the unnecessary ones.
- For applications you do not use frequently, turn off the “Fast load” checkbox (see page 46).
- Try to perform the Reboot/Reset/Error check operation in this order (see page 84).

Entries I have saved are not being displayed on the Index screens.

- In the Address Book or Todo List application, it is possible that only the entries in a category will be displayed. Select “All” under the “Category” section (see page 55).

On the Index screen I cannot move the highlight to select an entry by using the Cursor keys.

- Is the focus (the rectangle drawn with dotted lines) around the highlight? When the focus is on a tab or the menu bar, the highlight on the index screen is not active. Press the **Tab** key several times to move the focus to the highlight on the Index screen and make the highlight active.

The characters are small and I want to make them bigger.

- Character size can be changed by selecting “Font” from the “Option” or “View” menu in the Address Book, Calendar, Todo List, Text Editor, or EMail application.

I want to know the date a file is linked to the Calendar application, and change the date.

- Display and select the file on the Files Home screen. Select “Change date...” from the “File” menu then select the new date on the mini-calendar (see page 41). The file will be shown on the File link screen of the new date and the date will also be changeable in the Calendar application (see the Operation Manual on the CD-ROM: “Calendar”).

I have set a scheduled alarm but the alarm does not make a sound.

- When an optional headphone is inserted into the stereo headphone jack, alarm sounds will be heard through the headphone.
- You might have set the sound volume to off. Tap the Sound volume icon on the taskbar. Turn the “Mute” checkbox off, adjust the slider, and turn the “Alarms” checkbox on (see page 74).
- You might have selected “Silent” when you set the schedule alarm. When “Silent” was selected, a display will appear on the screen but the alarm will not produce a sound (see the Operation Manual on the CD-ROM: “Calendar”).

The CF or SD/MMC card is not being recognized properly.**The CF or SD card icon does not appear on the taskbar.**

- Turn the power off and on again.
- See page 76 and be sure to remove the card and insert it again correctly.
- Only use memory cards that have been approved by SHARP. Other cards may not work properly with the unit.

The CF or SD card icon does not disappear from the taskbar by tapping the icon and the tapping “Eject CF card” (or “Eject SD-card”).

- The operation (“Eject CF card” or “Eject SD-card”) is not valid if any files on a memory card are opened, if a card is selected as the storage in the EMail application, or if a modem card is in use and so on. In such cases, please eject the card after closing all applications and turning off the Zaurus.

IR communication is not possible.

- Is the mutual distance correct (see the Operation Manual on the CD-ROM: “Beam Receive”)?
- Are the IR communication ports on both units (transmitting and receiving ports) aligned straight?
- Is data being sent from the sending unit after the receiving mode has been entered on the receiving unit?

Not sure what accessories and peripherals can be used with this Zaurus.

- For information regarding accessories and peripherals, visit our Web site (see page 102).

Specifications

Hardware

Intel® XScale™ (PXA255, 400 MHz)

Platform

OS: Linux 2.4 (OpenPDA™)

- Linux based embedded operating system (OpenPDA™)

Memory

Flash memory: 64 MB (User area: Approx. 25 MB)

ROM: 8 MB

RAM: 64 MB SDRAM

Display

CG Silicon LCD with back light

4" with 480 × 640 pixels, 65536 colors

Input device

Touch panel and QWERTY keyboard

I/O device

Serial/USB (via Docking Station) port, IR (IrDA, 115.2 kbps),
stereo headphone jack

CompactFlash card slot, SD card slot (no copyright protection feature)

Internal wireless LAN (IEEE802.11b) module (SL-6000L only)

Power

AC adapter: "EA-70" 5.0 V \pm (DC)

Battery: "EA-BL09" 3.7 V \pm (DC) Rechargeable Lithium polymer battery pack

Backup battery: 3.0 V \pm (DC) Lithium manganese (Built in)

When the operating battery is not inserted after the rechargeable backup battery is fully charged.

- Data storage time: Approx. 5 minutes

Power consumption

2.6 W (with battery)

5.4 W (with AC adapter)

Battery life

When you display the Day view mode screen of the Calendar application continuously with the backlight turned on at its darkest:

- Approx. 11 hours 50 minutes

Note:

- When the power of the Zaurus is turned on at a temperature of under 25°C (77°F), without any peripheral devices (including the expansion memory card) connected, after the rechargeable battery (EA-BL09) is fully charged.
- Battery power is consumed even when the power of the Zaurus is turned off. A fully charged battery will become exhausted in about 14 days even if the Zaurus is not being used. Please recharge during this time.

Number of charging and discharging of the operating battery life

Approx. 500 times

Note: The Battery life may vary depending on the usage.

Temperature range

For operation: 0°C to 40°C (32°F to 104°F)

For battery charging: 5°C to 35°C (41°F to 95°F)

Drop Test Specification

1 m (3.28 ft) drop on to concrete surface*

* In accordance with Sharp test standards: The Zaurus is to have no damage to the structure or the flash-ROM when dropped (turned off and without expansion units or attachments) twice from a height of 1 m (3.28 ft) on to each of its 6 surfaces (not protrusions). This is a test standard and does not warrant the Zaurus against damage from being dropped repeatedly.

Dimensions (when the sliding cover is closed)

Excluding the display protection cover (excluding protruding parts)

Approx. 79.8 (W) × 158 (D) × 20.4 (H) mm

Approx. 3.2 (W) × 6.2 (D) × 0.8 (H) inches

Including the display protection cover (excluding protruding parts)

Approx. 79.8 (W) × 158 (D) × 23 (H) mm

Approx. 3.2 (W) × 6.2 (D) × 0.9 (H) inches

Weight

SL-6000L

Excluding the display protection cover: Approx. 262g (9.3 oz)

Including the display protection cover: Approx. 284g (10.0 oz)

SL6000N

Excluding the display protection cover: Approx. 255g (9.0 oz)

Including the display protection cover: Approx. 277g (9.8 oz)

Docking Station

Connector used: USB, SHARP I/O PORT

Dimensions: Approx. 96 (W) × 106 (D) × 101 (H) mm
 Approx. 3.8 (W) × 4.2 (D) × 4.0 (H) inches

Weight: Approx. 170 g (6.0 oz)

Cable length: Approx. 1.3±0.1 m (4.27±0.33 ft)

Product Support

Please register on our website so we can keep you up-to-date as new products and services become available. If you have read the operation manual and require further product support, you can contact us using the information below.

Prior to contacting us, please have the following information available.

- The serial number of your Zaurus (indicated on the back of the unit).

Product Registration and Support

USA

<http://www.sharppusa.com/zregister>
zaurussupport@sharpsec.com

Other countries

<http://www.sharp-world.com>

In the USA

To Obtain Hardware and Included Software Support

1-877-794-8675

* Phone support is available 24 hours a day, 7 days a week.

Sharp Website:

Firmware updates, software downloads, accessory information and helpful hints
<http://www.sharppusa.com>

Online Shopping (Purchase additional peripherals, etc.)

<http://www.sharppplace.com>

In regard to HancomMobileOffice (HancomMobileWord, HancomMobileSheet and HancomMobilePresenter)

For product support of these software applications, please refer to the following website or contact us at the e-mail address listed below.

<http://mobile.hancom.com>
mobile@hancom.com

In the U.S.A.

CONSUMER LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for the period(s) set forth below.

This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to improper voltage or other misuse, abnormal service or handling, or which has been altered or modified in design or construction.

In order to enforce the rights under this limited warranty, the purchaser should follow the steps set forth below and provide proof of purchase to the servicer.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Sharp.

The warranties described herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Sharp be liable, or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized servicer. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Model Specific Section

<u>Your Product :</u>	Sharp Zaurus Personal Mobile Tool (Be sure to have this information available if you need service for your Product.)
<u>Warranty Period for this Product :</u>	For the Main Unit, Docking Station and AC Adapter: One (1) year parts and labor from date of purchase. For the Rechargeable Battery: Ninety (90) days from date of purchase.
<u>Warranty Coverage :</u>	The warranty shall not cover any conflict, fault or physical damage caused by the end user affecting the Product and other devices caused by the installation and use of add-on software or by the connection and use of peripheral devices not guaranteed or recommended by SHARP. Any disk media, consumable items (such as paper or ink) and any external hardware, software, firmware, or peripherals other than those included with the Product are excluded from warranty coverage.
<u>What to do to Obtain Service :</u>	Ship your product prepaid to a Sharp Authorized Servicer. To find address, call Sharp Electronics Corporation toll free at 1-877-794-8675. Proof of Purchase will be required. If you ship or mail the product, be sure it is packaged carefully.

TO OBTAIN SUPPLY, ACCESSORY OR PRODUCT INFORMATION,
CALL 1-877-794-8675

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