NINO

300

Owner's Guide

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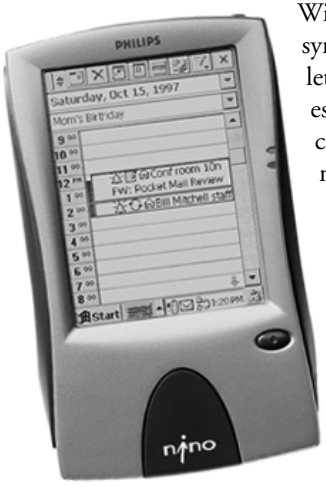
Welcome to the Nino™

–the Philips Personal Companion that keeps you up-to-date when you're on-the-go.



With its unique ergonomic design and automatic synchronization with your primary PC, your Nino lets you easily and quickly find or modify your essential personal information—including your calendar, tasks, contacts, e-mail, Internet information services (channels), and much more.

Utilizing the Microsoft® Windows® CE operating system for the Palm-size PC, the Nino also provides significant software extras, including T9™ Text Input from Tegic Communications, Pocket Commander™ voice-based navigation software and smARTwriter handwriting recognition software from ART, and an Expense Manager program.

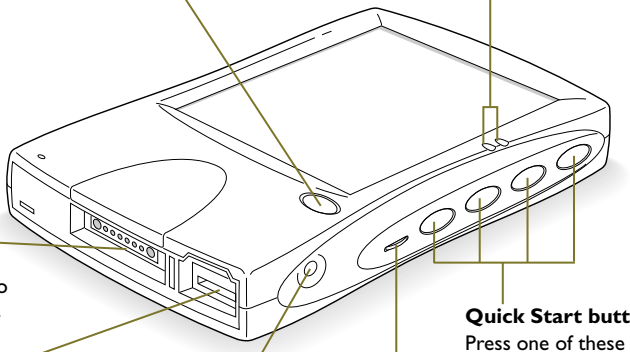
This guide will help you get started.

For more detailed information, you can turn to a variety of resources:

- **On-line help**—Select Help from the Start menu to get information about specific features of Nino software.
- **The Microsoft Palm-size PC User's Guide**—Look at this manual for a comprehensive guide to Windows CE for the Palm-size PC.
- **The Philips Nino CD**—Go to this CD for documentation about the extra software bundled with your Nino, as well as other useful information.
- **The Nino Web site** at *http://nino.philips.com*—Visit this site for the latest Nino news, tips, and support information.
- **The Microsoft Windows CE Web site** at *http://www.microsoft.com/windowsce/*—Visit this site for the most recent information about Windows CE.

A Tour of the Nino

Nino front and right side



On/Off-Backlight button
Press this button to turn the Nino on or off. Press and hold to turn backlighting on or off.

Indicator lights
The top light goes on when an alarm you've set is activated. The bottom light blinks green when the batteries are recharging.

Dock/serial connector
Connects the Nino to the Nino Dock.

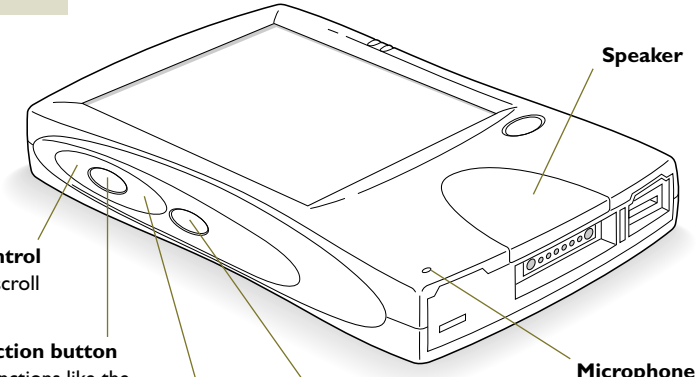
Telecom port
Connect the US Modem Click-on or the European modem cable here.

AC adapter port
Plug in the Nino AC adapter here.

Contrast control
Turn this control to increase or decrease screen contrast.

Quick Start buttons
Press one of these customizable buttons to turn the Nino on and start a particular program, or to switch instantly between programs.

Nino left side



Speaker

Scroll up control
Press here to scroll up in a list.

Action button
Functions like the Enter key on your PC.

Scroll down control
Press here to scroll down in a list.

Exit button
Functions like the Escape key on your PC.

Microphone

Nino back

CompactFlash data storage card compartment
Install a CompactFlash card here.

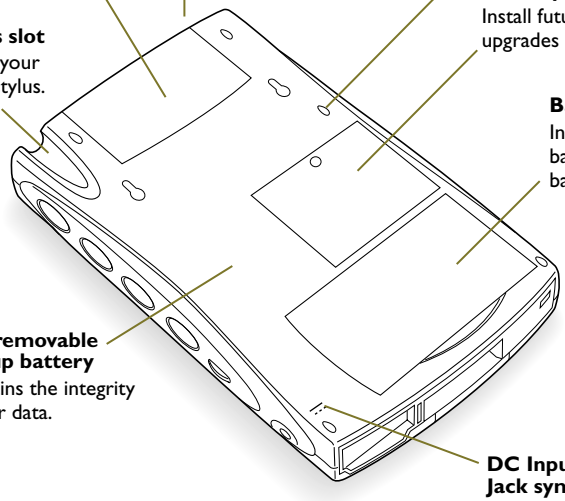
Infrared port (at top of unit)
Send or receive information wirelessly via this port.

Soft reset button
Press this recessed button to reset the Nino without losing information.

ROM upgrade compartment
Install future Operating System upgrades here.

Stylus slot
Holds your Nino stylus.

Battery compartment
Install the rechargeable battery pack or AA batteries here.

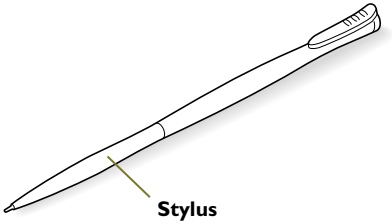


Non-removable backup battery
Maintains the integrity of your data.

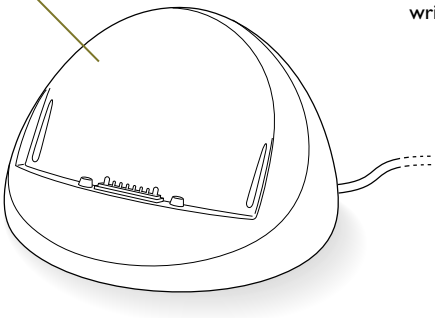
DC Input Jack symbol

Other Nino components

Nino Dock
Place the Nino in the Nino Dock to synchronize information with your desktop PC and to recharge the batteries.



Stylus
Use only the Nino stylus to write or tap on the screen.

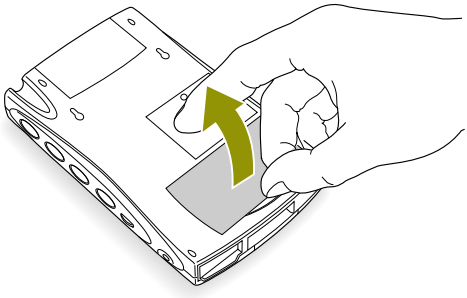


First install the rechargeable battery pack

You can provide power to the Nino in three ways: 1) the AC power adapter, 2) the Nino rechargeable battery pack, or 3) AA batteries. If connecting to AC power is not convenient and you would like to try out your Nino immediately, you can install the AA batteries, being careful to correctly align the positive and negative ends. *Be aware that data you enter may not be properly maintained until the built-in backup battery is adequately recharged.*

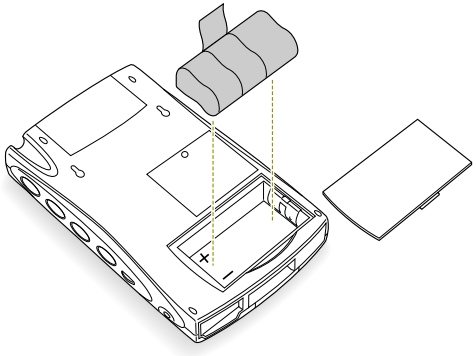
Philips recommends that you first install the rechargeable battery pack and leave your Nino plugged in overnight. Follow these steps:

1 **Open the door of the battery compartment.**



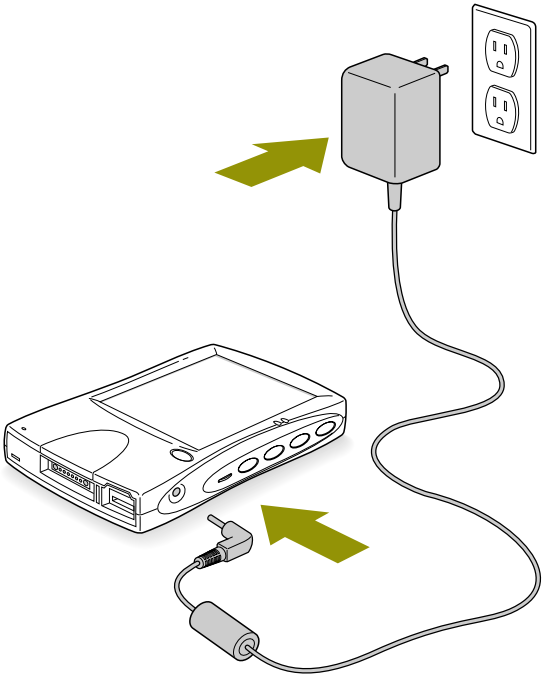
2 **Insert the rechargeable battery pack.**

Only use the Nino rechargeable battery pack.



3 **Close the battery compartment door.**

4 **Plug in the Nino with the Nino AC adapter.**
Only use the AC adapter provided with the Nino.



The green indicator light blinks while the rechargeable battery pack is charging. **Leave the Nino plugged in for several hours (overnight is best).** The indicator light goes off when the rechargeable battery pack is fully charged.

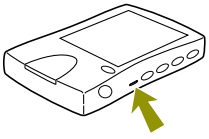
Now turn on the Nino

1 **Press the On/Off button once.**

The Nino Welcome screen appears. In a moment, it is replaced by the Windows CE Welcome screen.

2 **You may want to adjust screen contrast.**

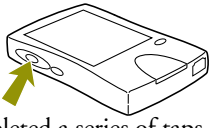
Use the control on the right side of the unit.

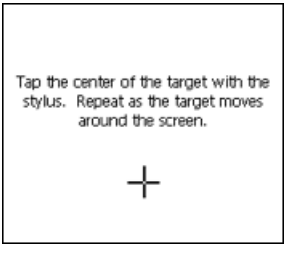


3 **If you'd like to turn on backlighting, press and hold down the On/Off button again for more than one second.**

4 **Press the Action button.**

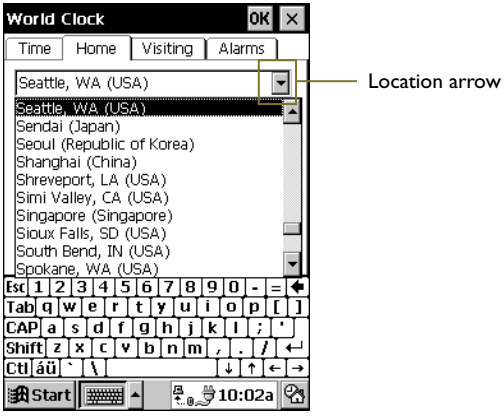
Nino now asks you to calibrate the unit by tapping a sequence of screen locations. Tap gently but firmly. When you have completed a series of taps, you'll be asked to press the Action button again.





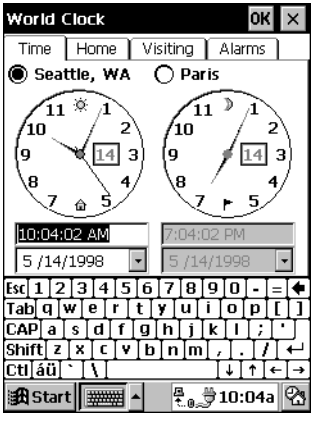
5 **Now set your home location.**

Tap the location arrow to see a list of cities. Choose your location (or one nearby, for the moment). Then tap **OK**.



6 **Then set the time, using the on-screen keyboard.**

To get a colon (:), tap the Shift key.

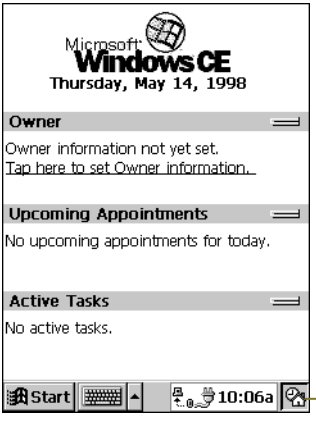


7 Then set the date.

Tap the date arrow to display a calendar. Navigate to the correct month and tap on the correct day. Then tap **OK**.

A message tells you, "Setup is complete."

8 Tap once to go to the Active Desktop.



The Active Desktop can display important information such as your appointments and tasks for the day. Notice that your owner information is not yet available. It's a good idea to provide it now.

9 **Tap "Tap here to set Owner information."**

Use the on-screen keyboard to fill in your personal information. Scroll down to see all the fields available. When you're finished, tap **OK**.

Your personal information now appears on the Active Desktop.

Some useful settings

To check the state of the rechargeable batteries and the built-in backup battery—Tap Start > Settings > Power.

To modify the contents of the Active Desktop—Tap Start > Settings > Display > Desktop tab.

To customize the Start menu—Tap Start > Settings > Taskbar > Start Menu Items tab.

To set one or more alarms—Tap Start > Settings > World Clock > Alarms tab.

To set time, date and number formats for your country—Tap Start > Settings > Regional Settings.

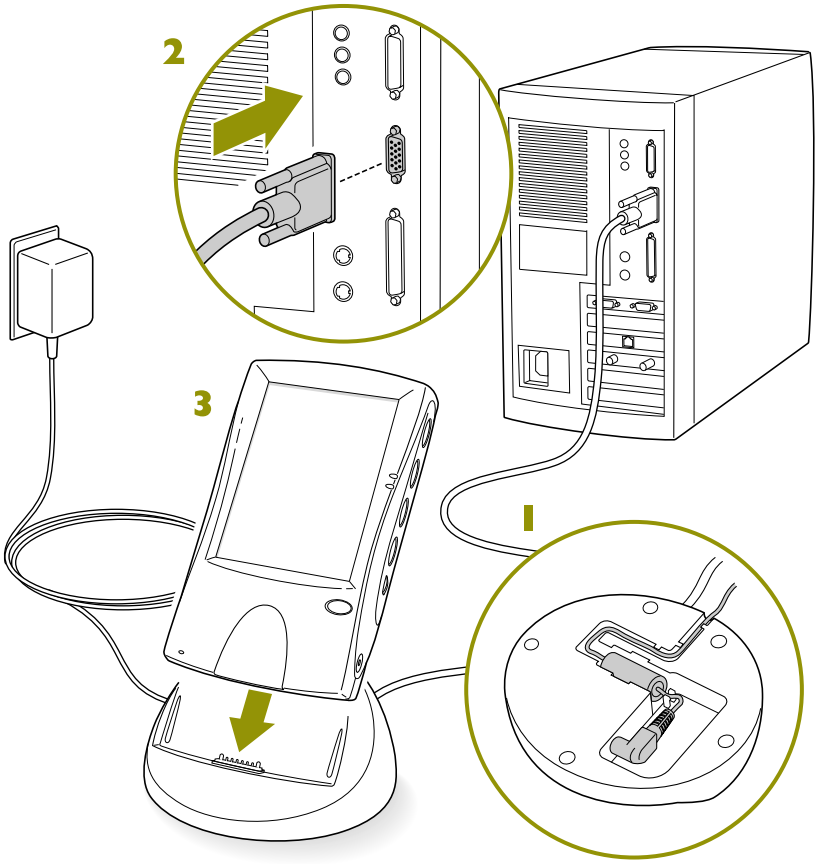
Now set up the Nino Dock and perform the initial synchronization with your PC

Place the Nino Dock in a convenient location near your desktop PC and then follow these steps:

1. **Connect the AC adapter to the dock.**
   The connection is on the bottom of the dock.

2. **Then connect the dock serial cable to a serial port on your PC.**

3. **Put the Nino on the Nino Dock and make sure it is on.**



Installing Windows CE Services

To prepare your PC for a "partnership" with your Nino, you need to install Windows CE Services from the Microsoft CD.

N O T E If you will be connecting the Nino via a Remote Access Server (RAS), if you run the Windows NT® operating system with a service pack, or if you want to use the infrared connection to dock, you need to follow the special installation instructions in the *Microsoft Palm-size PC User's Guide*.

Before you start, save the work on your PC and quit all programs. If this is the first time you are installing Windows CE Services on your PC, you may also need to use your Windows CD during the process.

1. **Insert the Desktop Software for Windows CE CD in your CD-ROM drive.**

   The Windows CE Services Welcome screen appears automatically. (If it doesn't, select Run from the Start menu, type *d:startup*, where *d* is the name of the drive with the Microsoft CD, and press Enter.) The Installation Wizard presents welcome and licensing information, asks you to fill in your name and company, and then choose a setup.

2 Click the Typical option and follow the on-screen instructions.

When you have installed the software, the Get Connected dialog box appears:

3 Make sure the Nino is turned on and in the Nino dock. Then click Start.

It takes a few moments for the software to locate your Nino and to configure communication settings. When the process is finished, the Mobile Devices window appears on your PC screen.

4 Wait a few moments until the New Partnership Wizard appears.

(If Windows CE Services fails to detect your Nino, refer to the section on communications settings in the *Microsoft Palm-size PC User's Guide*.)

5 Use the New Partnership Wizard to establish the PC-Nino partnership.

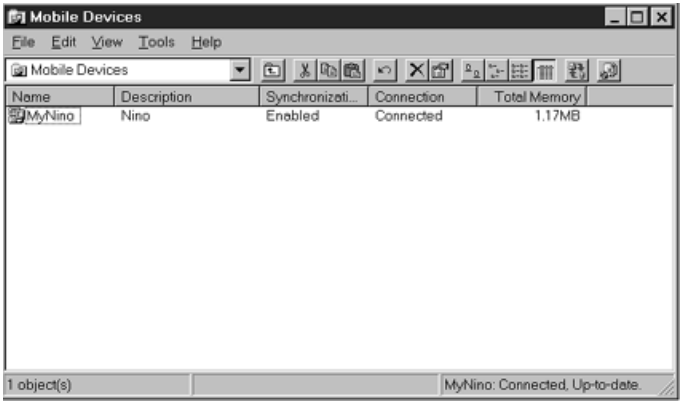
Fill in the device name and description (“Nino”). Leave the “On Connect” option checked for synchronization. This will synchronize your Nino each time it is connected.

6 A few moments after the partnership is established, ActiveSync on your PC automatically starts the initial synchronization process.

Information from desktop applications such as Microsoft Outlook is transferred to your Nino.

During this process you may see a screen asking you to “Combine” or “Discard” information on the PC and the Nino. Choose **Combine**.

When initial synchronization is successfully completed, your PC desktop displays the Mobile Devices window with the message “Connected, Up-to-date” in the lower right corner.



During installation, Windows CE Services places a Mobile Devices shortcut on your desktop. (Mobile Devices also shows up as an entry in My Computer.) For details about the Mobile Devices program window, see the *Microsoft Palm-size PC User’s Guide*.

NOTE

To disconnect the Nino from the PC, take it out of the Nino Dock.

About Synchronization

You can synchronize your Nino and your desktop PC to make sure that both devices have the most up-to-date information.

Synchronization starts automatically when you put the Nino in the Nino Dock (if you left the "Automatically synchronize upon connecting" option checked when you established the Nino-PC partnership). Exactly what gets synchronized depends on the settings you choose from ActiveSync Options on the Tools menu in the Mobile Devices window.

What can get synchronized?

Contacts, Calendar, and Tasks—Information stored in these programs on your Nino is synchronized with Schedule+ or Outlook on your desktop computer. The most recently modified information, wherever it resides, replaces the older information.

Inbox Messages—Messages in Exchange or Outlook on your desktop computer are copied to your Nino. Messages you created on your Nino are stored in your Outbox and transferred to your desktop for transmission.

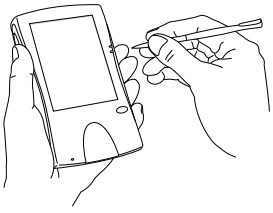
Files—Files in NoteTaker and Voice Recorder on your Nino are synchronized with files in the My Documents folder (Windows 95), or your Personal folder (Windows NT) on your PC.

Channel Information—The most recent information for the channels you subscribe to on your PC is downloaded to your Nino. (A "channel" is an Internet information service that automatically sends out news, stock updates, or other information of interest.) If you also receive channel information on your Nino, these two sources are merged and only the most recent information appears on the Nino.

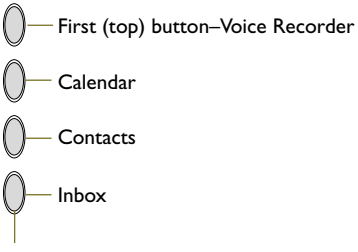
Resolving conflicts

If an item such as a task or appointment has been modified on both your desktop PC and your Nino, you'll need to decide which version you want to keep. You can do this automatically or manually. See the *Microsoft Palm-size PC User's Guide* for details.

One-handed operation: You can operate the buttons on the Nino with one hand, leaving the other hand free to use the stylus, or for some other task.



Quick Start buttons: If the unit is off, pressing a Quick Start button turns it on and starts a program. If the unit is on, pressing one of these buttons switches to a different program.



The Quick Start buttons are configurable. To assign a different program to a button, tap Start > Settings > Buttons > Program tab.

Button combinations: You can press and hold one button, and then press a second button to produce certain results.

Stylus calibration: Press and hold the Exit button. Then press the Action button.

Tab: Press and hold the Action button. Then press the Scroll Up control.

Back tab: Press and hold the Action button. Then press the Scroll Down control.

Microphone: Position yourself about 20 cm (8 inches) away from the microphone when recording a voice message or giving voice commands.

Speaker: Control the volume of the speaker by choosing Volume & Sound from the Settings menu.

Keeping your data safe

Your Nino comes with a non-removable, built-in lithium backup battery that will maintain the integrity of your data in the absence of other power sources. Note these important points:

- You can check the status of the backup battery by tapping Start > Settings > Power.
- It may take a few days of normal usage before this backup battery is fully recharged and appears as **good**. (It recharges when you are plugged in to AC power or when you are running the Nino on the rechargeable battery pack or AA batteries.)
- To prevent the backup battery from running down and failing to protect your data, do not leave the Nino for an extended period of time without AA batteries or the rechargeable battery pack installed, or without a connection to AC power.
- When AA batteries become low, replace them promptly. If the rechargeable battery pack is low, recharge it as soon as possible.
- Don't use NiCad rechargeable batteries with your Nino. Only use the Nino rechargeable battery pack or AA batteries.

Using a modem

You can use your Nino and a U.S. Nino Modem Click-on or a European Telephone Connectivity Kit (TCK) to connect to:

- An Internet Service Provider (ISP)
- A corporate network through a Remote Access Server (RAS) connection
- A remote desktop computer via RAS
- A remote desktop computer via dial-up connection

Some U.S. models of the Nino include the Nino U.S. Modem Click-on.

For your convenience, settings information about many ISPs is maintained at the Nino Web site at *http://nino.philips.com*.

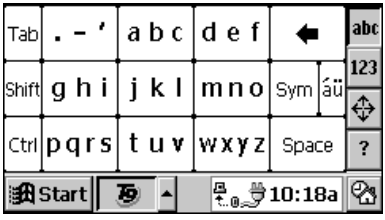
Nino input methods

Keyboard Input Methods

Windows CE keyboard

The Windows CE keyboard is a replica of the familiar keyboard on your PC. Tap the áü button to get the international character set.

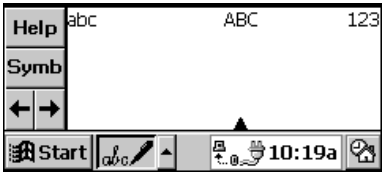
T9 Text Input keyboard



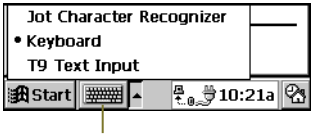
The T9 Text Input keyboard is provided as a Nino software extra. As you tap, T9 matches the word you are entering. Larger keys make it easier and faster to enter information.

Handwriting Input Methods

Jot Character Recognizer

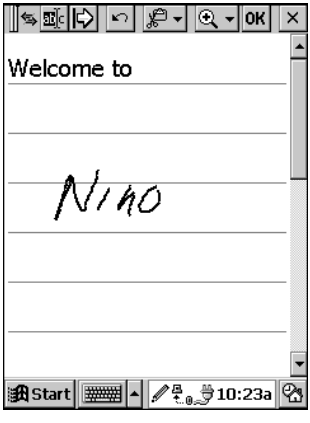


The Jot Character Recognizer included with Windows CE lets you write characters in a defined area on screen. With Jot, you need to learn to write the way the program expects characters to be formed.



Tap here to change the input method.

smARTwriter



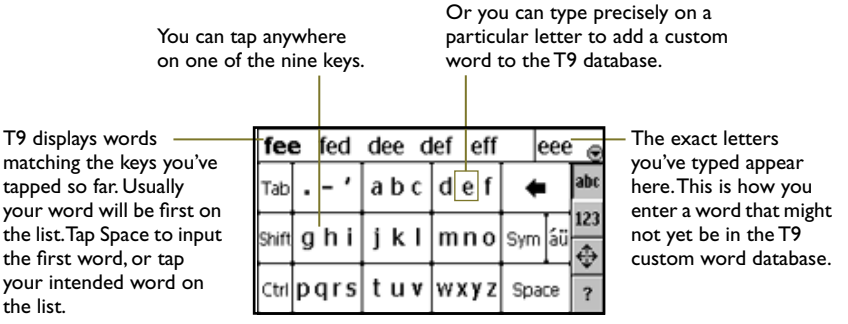
The smARTwriter application provided as a Nino software extra lets you write anywhere on the screen. You can train the program to recognize your handwriting style.

Give yourself time to experiment with all these input methods for a few days to find the one or two you like best.

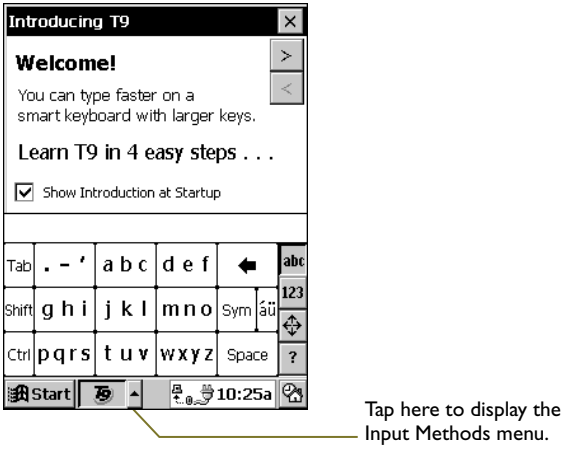
Also built into your Nino is Pocket Commander, a voice command application that lets you navigate and control Nino software with verbal commands.

First steps with T9

T9 Text Input lets you simplify and speed up tapped input. T9 provides large keys on an easy-to-read keypad.



To activate the T9 keyboard on the Nino, tap the arrow on the task bar to display the Input Methods menu. Then select T9 Text Input.



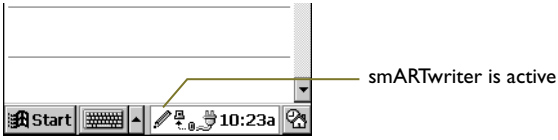
To change options for T9 (such as keyboard size), first make T9 the input method. Then tap Start > Settings > Input Panel > Options.

Full documentation for T9 is available on the Philips Nino CD. Click the Manuals tab on the Welcome screen.

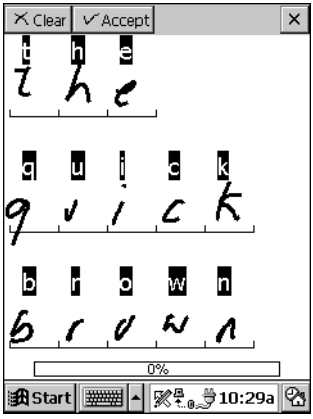
First steps with smARTwriter

smARTwriter is a handwriting recognition program that lets you write input for any program anywhere on the Nino screen.

When you turn on your Nino, smARTwriter launches automatically and its icon appears in the icon tray in the inactive state. Tap this icon to activate or inactivate smARTwriter.



First use the Quick Trainer program to show smARTwriter how you make letters. Tap Start > Programs > smARTwriter > Quick Trainer. It takes five to ten minutes to complete a Quick Trainer session.



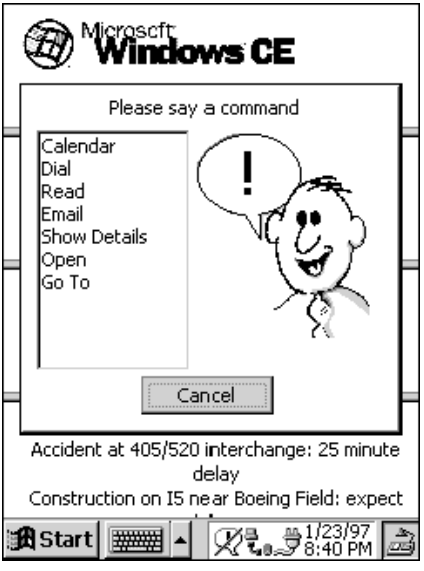
Full documentation for smARTwriter is available on the Philips Nino CD. Click the Manuals tab on the Welcome screen.

NOTE If smARTwriter is active and you are experiencing difficulty tapping a check box or using other Nino software controls, make smARTwriter inactive by tapping on its icon in the icon tray.

First steps with Pocket Commander

Pocket Commander is a voice command program that lets you navigate Nino software with spoken commands rather than by tapping with the stylus.

The Pocket Commander recognizes the following commands:



Calendar—to open the Calendar application

Dial—to dial the phone number of a contact

Email—to generate an e-mail form preaddressed to a contact

Go To—to launch an application

Open—to open a file or note

Read—to read back a contact's phone number through the Nino speaker

Show Details—to display details about a contact

Voicemail—to generate an e-mail voice memo to a contact

After you give one of these general commands, Pocket Commander prompts you to give a second or third command to complete the operation. These additional commands are standard or uniquely determined by information such as contact or application names on your Nino. For example, to call Susan at work you would say three commands: "Dial" "Susan" "Work".

To launch and use Pocket Commander, press and hold the second, third, or fourth Quick Start button on the right side of the Nino. The Pocket Commander icon appears in the icon tray. (You can also use the program by tapping this icon.)

Pocket Commander icon

You must train Pocket Commander to recognize your pronunciation of commands. The first time you use the program, a message appears saying: "There are no trained activation words. Would you like to train them now?" Tap YES and then use the General Commands Training Wizard.

NOTE **You might choose to first train just a few commands and skip the others until you are familiar with how the program works.**

For a complete description of the Pocket Commander application, see the Pocket Commander manual on the Philips Nino CD. Click the Manuals tab on the Welcome screen.

First steps with Expense Manager

The Expense Manager application lets you conveniently keep track of your business or other expenses while you're on-the-go. Later you can transfer the information to Excel on your desktop PC.

You can record information about hotel, car rental, food, or any other type of expense. You can also record hours and miles for a particular project or client.

For international work, Expense Manager lets you record values in local currency at the current exchange rate. The totals are automatically converted to your home currency.

To install the Expense Manager software on your Nino, follow these steps:

1. **Put the Nino in the Nino Dock and insert the Philips Nino CD in your PC's CD-ROM drive.**

   The Welcome screen appears automatically.

2. **Click the Expense Manager tab at the top of the screen.**

3. **Follow the on-screen directions provided by the Expense Manager Setup program.**

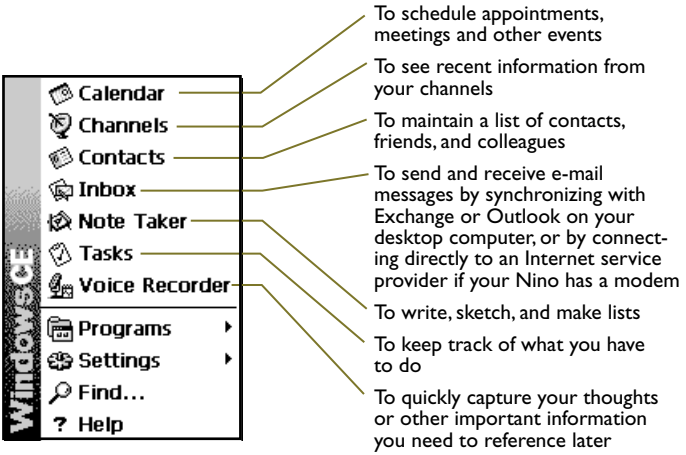
   The software is installed on your Nino.

   To launch Expense Manager tap Start > Programs > Expense Manager.

Full documentation of the Expense Manager application is available on the Philips Nino CD. Click the Manuals tab on the Welcome screen.

First steps with Windows CE Software

The programs that are part of Windows CE include:



Other Windows CE applications include Calculator and Solitaire. (You'll find them on the Programs menu.)

For more detailed information about these programs, see the *Microsoft Palm-size PC User's Guide*.

Using Infrared Communications

You can use infrared (IR) beaming for wireless transfer of information between your Nino and another Nino, or any other Windows CE device that is IR-ready.

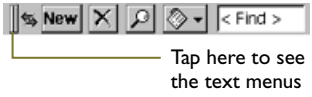
Some useful tips

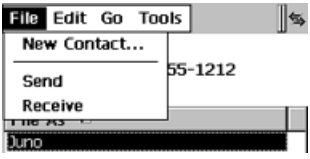
- Position the Nino IR port and the IR port of the other device so that they are lined up and within three feet (one meter) of each other.
- Make sure that neither IR port is blocked.
- Turn off fluorescent lights in the immediate area (some types of fluorescent lamps can interfere with IR communications). Or move to a location with different lighting.

Sending and Receiving

You can transfer notes, contacts, or voice recordings between devices when both are in the same program.

To send or receive contacts, choose the Contacts program and select one or more contacts from the list. Then tap on the menu control in the upper left corner to show the text menus. Then choose Send or Receive from the File menu.





To send or receive a note, go to the NoteTaker program, select a note from the list of notes, and then choose Send To and Infrared Recipient or Receive from the File menu.

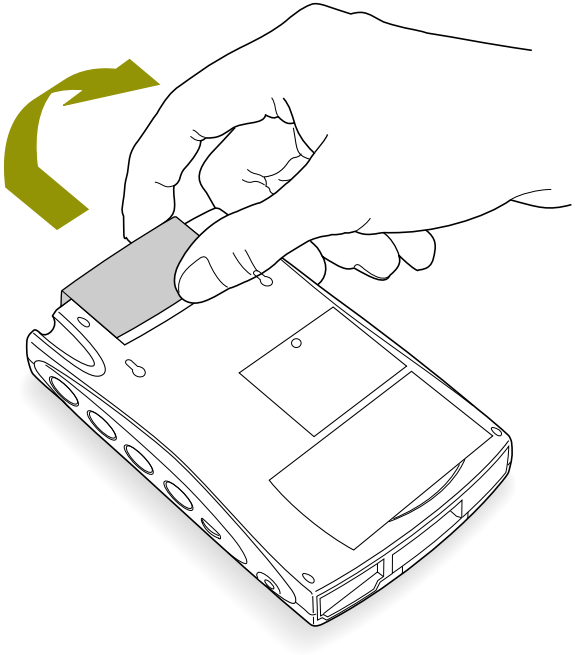
To send or receive a voice recording, go to the Voice Recorder program, choose a recording from the list of voice recordings, and then choose Send To and Infrared Recipient or Receive from the File menu.

Adding a Data Storage Card

To install a CompactFlash data storage card in your Nino, follow these steps:

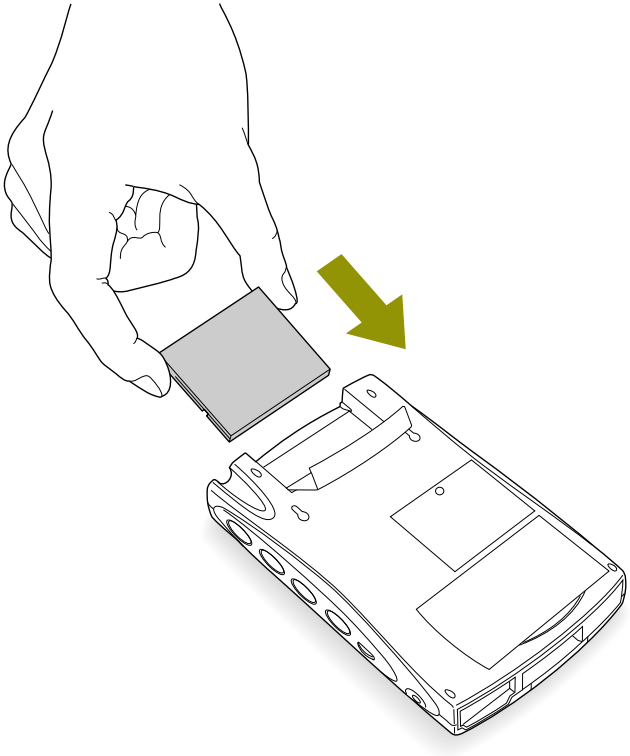
1. **Open the door to the CompactFlash data storage card compartment on the back of your Nino.**
   Push the door up and then flip it up. (The Nino can be on or off.)

2. **Identify the connecting edge of the card. (There may be an arrow symbol on the card to help you do this.)**



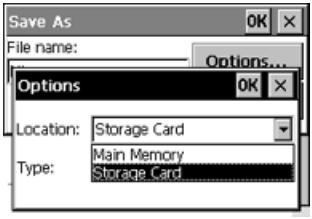
3 **Insert the CompactFlash card.**

The ridge on the back edge of the card should be facing up. (This allows you to easily remove the card when you need to.)



4 **Close the door.**

You now have the option of saving data to the card. In NoteTaker, for example, create a new note and then choose Save As from the File menu. Tap Option and then the location arrow to choose the storage card.



General handling

Avoid dropping the Nino. Keep it away from extremes of hot or cold.

Screen care

Use only the Nino stylus to write or tap on the Nino screen. Using a pen or other sharply pointed object can cause damage. Protect the screen from scratches by keeping the unit in the pouch provided.

Battery management

Conserve battery life by taking these steps:

- Recharge the batteries while you're on the road by plugging in the Nino with the AC adapter whenever circumstances permit.
- Change your Nino's default shut-off time when running on batteries. The default is three minutes. Choose Power from the Settings menu and then choose the Power Off tab.
- Set the backlight feature to turn off automatically when running on battery power. Choose Display from the Settings menu.
- Disable sounds you don't need to hear. Choose Volume & Sounds from the Settings menu.

Memory and task management

Manage the amount of memory allocated to programs and storage. Choose System from the Settings menu and then choose the Memory tab. You can end a task (program), or switch to a different task from the Task Manager tab.

Cleaning and maintenance

Clean your Nino casing with a damp, soft cloth. To clean the screen, turn off the unit and then use a damp cloth or a moistened pad designed specifically for computer monitor screens.

And finally...

For worry-free use of your Nino, dock it whenever you're near your PC. This recharges the batteries (if your Nino Dock is plugged in to AC power), and synchronizes information with your PC. Docking frequently protects your data.

I can't see anything on the Nino screen.

Make sure the unit is on and adjust the screen contrast.

Tapping or using other software controls doesn't seem to work.

If smARTwriter is active, make it inactive by tapping its icon in the icon tray.

I get a screen message saying the backup battery is running low and I should replace it.

The rechargeable backup battery on the Nino is not removable. Dock the Nino or plug it in with the AC adapter in order to recharge the backup battery.

Tapping the screen doesn't seem to work or produces unexpected results.

You may need to recalibrate the Nino. Hold down the Exit button, and then press the Action button to display the Calibration screen.

The Nino screen is frozen and nothing happens when I tap the screen or press the Quick Start buttons.

Using the end of a paperclip, press the Soft Reset button on the back of the unit. This restarts the Nino without erasing any stored information.

Even after pressing the Soft Reset button, the screen is still frozen.

Remove the batteries. Plug in the Nino to AC power and then use the end of a paperclip to press the Soft Reset button on the back of the unit.

My battery doesn't last long enough.

See Battery Management in the previous section of this guide.

If you can't find an answer to your problem here, in the *Microsoft Palm-size PC User's Guide*, from on-line Help, or at the Nino or Microsoft Windows CE Web sites, call Philips for telephone support. Refer to the Philip's Support Card that comes with your Nino for the phone number nearest your location.

Nino Specifications

Processor	■ MIPS-based Philips 32-bit RISC processor @ 75 MHz
System memory	■ RAM - 4 MB or 8 MB EDO RAM ■ ROM - 8 MB Fast Page Mode ROM
Dimensions/weight	■ Size: approx. 134 x 87 x 20mm (5.25" x 3.41" x .75") ■ Weight: approx. 220 g (7.8 oz.) with batteries
Communications	■ Integrated low power 19.2-Kbps data/fax modem included on the 320 model
Expansion	■ 1 CompactFlash Card slot ■ Replaceable ROM
Display	■ Low power, transflective LCD display (320x240 pixels, 0.24 mm dot pitch), 4 shades of gray ■ High brightness Electroluminescent (EL) Backlighting ■ Touchscreen ■ Contrast control dial ■ Indicator lights for Charging and Alarm/Message status
Power	■ NiMH battery pack, or 2 AA batteries ■ Built-in fast charger for battery pack ■ DC Power Jack ■ CR2025 lithium backup battery (rechargeable, nonremovable)
Audio	■ Audio In (unidirectional microphone) ■ Windows 95-compatible sound compression: up to 16 minutes recording time per 1 MB ■ Audio Out for .wav file playback and DTMF generation (auto dialing)
System I/O ports	■ RS-232 serial up to 115 Kbps ■ IrDA infrared transceiver, supports up to 115 Kbps
User Input	■ 4 Program buttons ■ Rocker switch for scroll up and scroll down ■ Action and Exit buttons ■ Stylus ■ Voice
Software	■ Microsoft Windows CE for the Palm-size PC ■ T9 text input by Tegic Communications, Inc. ■ smARTwriter handwriting recognition by Advanced Recognition Technologies, Inc. ■ Pocket Commander voice command by Advanced Recognition Technologies, Inc. ■ Expense Manager

Regulatory information

Declaration of conformity

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 Name	Philips Mobile Computing Group
Telephone	1-888-275-8356
Product/Model	Nino

FCC warning statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it can cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. Determine if the equipment does cause interference to radio or television reception 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:

1. Where it can be done safely, reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. Shielded interface cables must be used when operating this device or the user's authority to operate this equipment could be voided.

Industry Canada Statement

This Class B device meets all requirements of the Canadian Interference-causing equipment regulations.

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

VCCI Class 2 Statement

情報処理装置等電波障害自主規制について

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づく第二種情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをしてください。