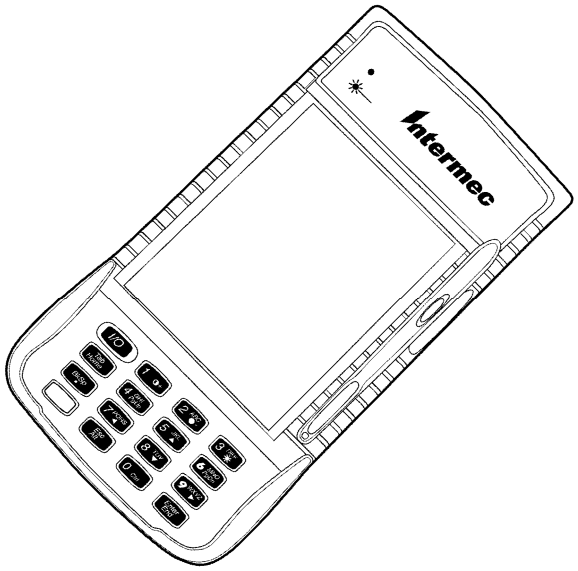
Quick Start Guide

P/N 962-054-007
Revision B
November 2000



6110 Hand-Held Computer

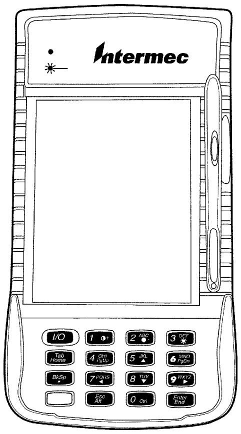
Intermec

P/N 962-054-007 Rev B

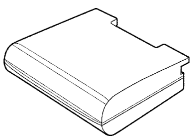
A UNOVA Company

Packing List

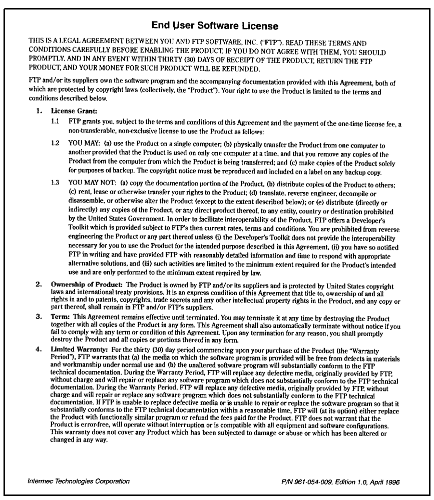
Check to ensure that you receive these items:



6110 Hand-Held Computer



Li Ion Battery Pack



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Intermec Technologies Corporation *P/N 961-054-009, Edition 1.0, April 1996*

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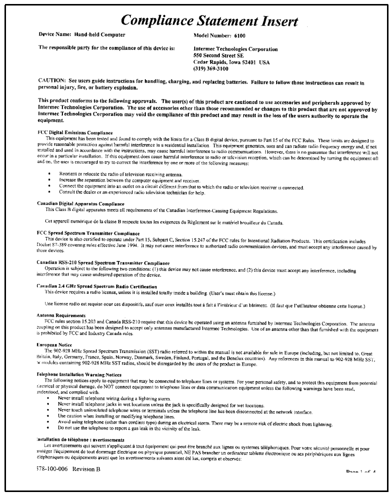


Compliance Statement Insert

Device Name: Hand-held Computer **Model Number: 6100**

The responsible party for the compliance of this device is: **Intermec Technologies Corporation, 550 Second Street SE, Cedar Rapids, Iowa 52401 USA, (319) 369-3100**

CAUTION: See users guide instructions for handling, charging, and replacing batteries. Failure to follow those instructions can result in personal injury, fire, or battery explosion.

This product conforms to the following approvals. The user(s) of this product are cautioned to use accessories and peripherals approved by Intermec Technologies Corporation. The use of accessories other than those recommended or changes to this product that are not approved by Intermec Technologies Corporation may void the compliance of this product and may result in the loss of the users authority to operate the equipment.

FCC Digital Emissions Compliance
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These 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 radio of television receiving antenna.
- Increase the separation between the computer equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the radio or television receiver is connected.
- Consult the dealer or an experienced radio television technician for help.

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

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

FCC Spread Spectrum Transmitter Compliance
This device is also certified to operate under Part 15, Subpart C, Section 15.247 of the FCC rules for Intentional Radiation Products. This certification includes Docket 87-389 covering rules effective June 1994. It may not cause interference to authorized radio communication devices, and must accept any interference caused by those devices.

Canadian RSS-210 Spread Spectrum Transmitter Compliance
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Canadian 2.4 GHz Spread Spectrum Radio Certification
This device requires a radio license, unless it is installed totally inside a building. (User's must obtain this license.)

Une license radio est requise oour ces dispositifs, sauf ouor ceux installés tout á fait á l'intérieur d'un bâtiment. (Il faut que l'utilisateur obtienne cette license.)

Antenna Requirements
FCC rules section 15.203 and Canada RSS-210 require that this device be operated using an antenna furnished by Intermec Technologies Corporation. The antenna coupling on this product has been designed to accept only antennas manufactured Intermec Technologies. Use of an antenna other than that furnished with the equipment is prohibited by FCC and Industry Canada rules.

European Notice
The 902-928 MHz Spread Spectrum Transmission (SST) radio referred to within the manual is not available for sale in Europe (including, but not limited to, Great Britain, Italy, Germany, France, Spain, Norway, Denmark, Sweden, Finland, Portugal, and the Benelux countries). Any references in this manual to 902-928 MHz SST, or modules containing 902-928 MHz SST radios, should be disregarded by the users of the product in Europe.

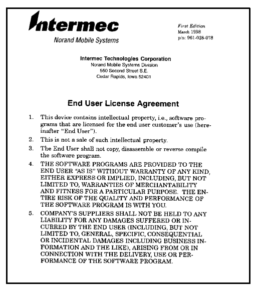
Telephone Installation Warning Notices
The following notices apply to equipment that may be connected to telephone lines or systems. For your personal safety, and to protect this equipment from potential electrical or physical damage, do NOT connect equipment to telephone lines or data communication equipment unless the following warnings have been read, understood, and complied with.

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Avoid using telephone (other than cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use the telephone to report a gas leak in the vicinity of the leak.

Installation do téléphone : avertissements
Les avertissements qui suivent s'appliquent à tout équipement qui peut être branché aux lignes ou systemes téléphoniques. Pour votre sécurité personnelle et pour protéger l'équipement de tout dommage électrique ou physique potentiel, NE PAS brancher un ordinateur tablette électronique ou ses périphériques aux lignes téléphoniques ou équipements avant que les avertissements suivants aient été lus, compris et observés:

578-100-006 Revision B

Compliance Statement Insert



First Edition
March 1998
p/n: 961-028-078

Norand Mobile Systems

Intermec Technologies Corporation
Norand Mobile Systems Division
550 Second Street S.E.
Cedar Rapids, Iowa 52401

End User License Agreement

1. This device contains intellectual property, i.e., software programs that are licensed for the end user customer's use (hereinafter "End User").
2. This is not a sale of such intellectual property.
3. The End User shall not copy, disassemble or reverse compile the software program.
4. THE SOFTWARE PROGRAMS ARE PROVIDED TO THE END USER "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK OF THE QUALITY AND PERFORMANCE OF THE SOFTWARE PROGRAM IS WITH YOU.
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End User License Agreement

Norand Mobile Systems Division
★ **Product Warranty** ★
Includes
Service Information Card

MEDALLION SERVICE

NPN: 950-977-000
January 1998

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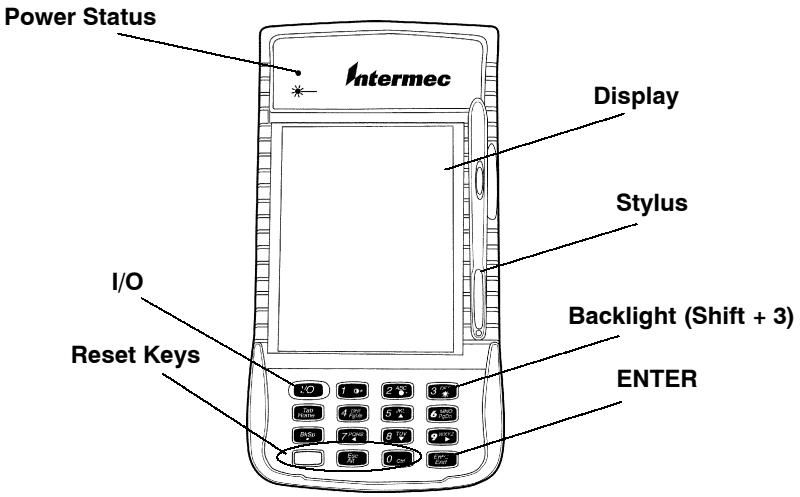
Product Warranty Card

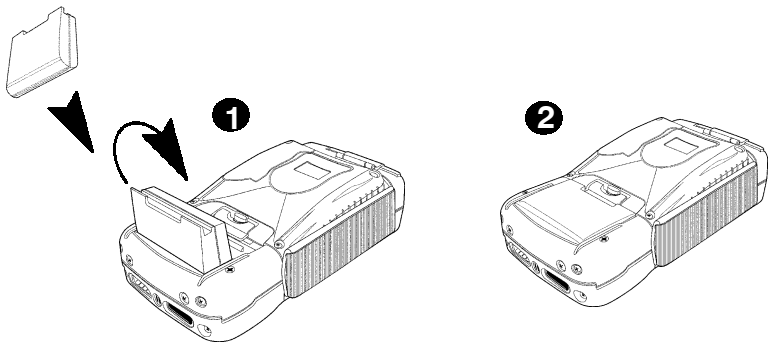
Getting Started

Here are the main components that will get the most frequent use in setting up your hand-held computer.



Frequently Used Components

1. Install the battery pack.



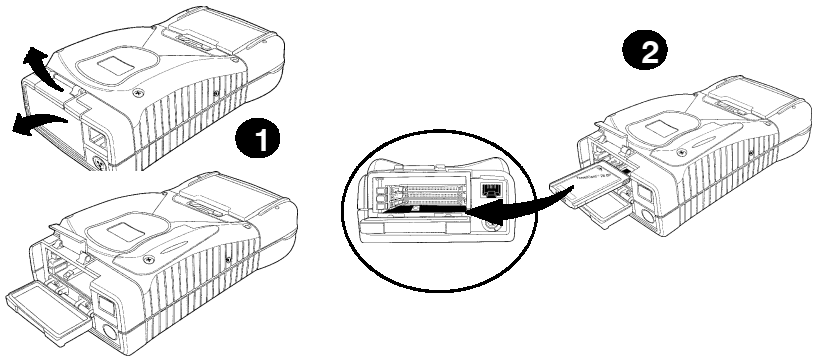
Installing Battery Pack

2. Charge the battery pack for 14 hours.

Booting Your Computer

Using ATA Cards

1. Lift the ATA card door tab and flip open.
2. Slide the card into the slot closest to the display. The label faces away from the display



Installing ATA Cards

For DOS Applications

1. Apply power by pressing the **I/O** (Resume/Suspend) key or pressing the reset keys (gold, esc., zero) and holding for three seconds simultaneously. The **Power Status** LED will light .
2. The default load on the card displays these choices:

   1. Pen*Key Utilities
   2. DOS Command Prompt. Making this choice puts you to the DOS prompt **6110 C:\>**.
3. If you do not make a choice within 10 seconds, your 6110 automatically boots to the Pen*Key Utilities. From the Utilities Programs, assuming you have the appropriate host software and hardware, you can setup the communication options and also download your application.

For Windows 95 Applications

1. Apply power by pressing the **I/O** (Resume/Suspend) key or pressing the reset keys (gold, esc., zero) and holding for three seconds simultaneously. The **Power Status** LED will light.

   Your hand-held computer begins booting Windows 95. This will take about one minute.
2. Using the stylus, tap in the **User Information** and tap **Next**.
3. Windows prompts you to accept the license agreement. Either Tab over, or tap on the **I accept the agreement** choice and then **Next**.
4. Key in the WIN 95 product ID number from the Certificate of Authenticity document.

   ▶ **NOTE:** *The **Certificate of Authenticity** number comes with your Windows 95 card.*

   Tap on **End** or press **ENTER**.
5. Windows may prompt you to update the clock. Tap in the correct time and date and press **ENTER**.
6. You will probably be asked to enter your username and password.
7. When the **Pen Alignment Program** comes up, tap on each of the four crosshairs three times. You have 30 seconds to complete the series of three taps (plenty of time!) in each corner.

   ▶ **NOTE:** ***Pen Alignment** is how close to the arrow on the display that you must place your stylus to make the entry or selection.*
8. At the **Finetune Calibration** screen, either tap **Save** or make the adjustments you want.

Panning

Panning is moving around within the display area to view data. The program or application on your hand-held computer

was designed on a full size pc display area. To see all that data you must move around on that larger area with your smaller display.

Remember these suggestions. First, the cursor will return to the upper left-corner of the display. Second, to keep from getting lost, put your stylus in the middle of the display area and drag it to the right, left, upper, or lower edge. Dragging it in this method takes you to the outer parameter of the display. This shows you where you are on the display.

Panning Default

Your hand-held computer comes from the factory with panning turned OFF. It is helpful to change the default to ON for setting up your system. After you are pleased with the way your application works change the default back to OFF.

Changing Default

1. Press **I/O** key to suspend your computer.
2. Copy **System.ini** to an ATA in the external slot or over **HyperTerminal** to a pc.
3. Locate your **Windows System.ini** file.
4. Go into the **non-panning display configuration** file and add a **semicolon (;)** in front of each line of code (do not change the non-panning display configuration line).
5. Go into the **Panning display configuration** and remove the **semicolon (;)** from in front of each line of code (do not change the Panning display configuration line). Below is shown how to modify this code.

The column on the left is the default setting. Note that there is not a semicolon in front of the lines of code (excluding the first line that does contain a semicolon). The column of the right shows the lines after you add the semicolon to each line.

Non-Panning Default Setting	*Panning Default Setting*
;- non-panning configuration	;- panning configuration
FrameSeq=0xa000	;FrameSeq=0xa000
HWModule=sc4_2Bbpp.d11	;HWModule=SC4_2BPP.d11
DisplayOrientation=1	;DisplayOrientation=1
DisplayColumns=240	;DisplayColumn=640
DisplayRow=320	;DisplayRow=480
Panning=0	;Panning=1
PanTrack=0	;PanTrack=1
PanAbsolute=0	;PanAbsolute=1

The below column on the left shows the lines of code altered to allow panning. The right column on the right shows the default changed for to enable the panning to occur.

Non-Panning Setting Changed	*Panning Setting Changed*
;- non-panning configuration	;- panning configuration
;FrameSeq=0xa000	FrameSeq=0xa000
;HWModule=SC4_2BPP.d11	HWModule=SC4_2BPP.d11
;DisplayOrientation=1	DisplayOrientation=1
;DisplayColumns=240	DisplayColumns=640
;DisplayRow=320	DisplayRows=480
;Panning=0	Panning=1
;PanTrack=0	PanTrack=1
;PanAbsolute=0	PanAbsolute=1

6. Save the changes to **System.ini** file.
7. Copy file from external ATA or pc via **HyperTerminal** to boot ATA. You have to reboot for the new settings to take effect.

After you are finished making changes, go back and change the default back to non-panning. To do this, of course, you reverse the process both for the non-panning and panning display configurations.

Downloading from Host Computer

1. Install your hand-held computer into a dock.
2. Download program into your hand-held computer.

There are several ways to download your application. The following are just two examples.

EXAMPLE 1: You can load the program onto the ATA card, install it into your hand-held computer, and select the program from the directory.

EXAMPLE 2: You can also use Hyper Terminal if your system is setup for this program.

Opening your Application

Press the **I/O** (Resume/Suspend) key. The **Power Status** LED will light. Opening the application totally depends on your application definition.