

# USER'S MANUAL

## H-15

### **OPTICON**



**Ruggedized Portable Data Terminal.**

Document : H-15 User's manual
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Distributed : Opticon Sensors Europe B.V., Hoofddorp
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## Chapter 1. Introduction

Congratulations on purchasing the Opticon H-15 Portable Data Terminal (PDT), a Microsoft Windows®CE .Net rugged PDT. Its special combination of features makes it perfect for using in a wide range of applications. These features as:

- Intel® XScale™ PXA270 312MHz 32 bits RISC processor
- Windows® CE .NET 5.0 Operating System
- 64 MB SDRAM & 128 MB Flash ROM
- User accessible MicroSD slot
- 240 x 320, 2.4" Color TFT display with touch panel
- Numeric keypad
- 802.11b/g Wireless LAN Built In
- Bluetooth Built In(Support SPP, DUN, UID)
- Integrated 1D bar code reader

### 1.1 About this Manual

The following chapters contained in this manual are:

Chapter 1: Introduction,	General information about the PDT.
Chapter 2: Getting started,	Describe the basic use of the PDT.
Chapter 3: Setting,	Provide basic instructions for customizing the PDT.
Chapter 4: Communication,	Describe how to use all kinds of communication of the PDT.
Chapter 5: Software Application,	Describe the installed applications on the PDT.

For configuration of the bar code reader, refer to the Opticon Universal Menu Book. The Universal Menubook can be downloaded from [www.opticon.com](http://www.opticon.com)

## 1.2 User and Product Safety

- Do not stare into the laser or LED beam directly or shine it into eyes.
- Never use strong pressure onto the screen or subject it to severe impact, as the LCD panel could become cracked and possibility cause personal injury. If the LCD panel is broken, never touch the liquid inside because the liquid irritates the skin.
- Although the PDT has passed the test of IP54 standard for water and dust resistance, avoid prolonged exposure to rain or other concentrated moisture. Such conditions exceeds the IP54 standard, and could result in water or other contaminants entering into the PDT.
- Use only the original approved AC Adapter with the PDT. Use of an unapproved AC Adapter could result in electrical problems, or even cause a fire or electrical shock to the user.
- Do not disassemble the PDT. Servicing should be done by Opticon only. If the PDT or accessories gets damaged due to wrong handling or unauthorized repair, warranty is void. In case the warranty seals are broken, warranty is void too.
- Make regularly back-ups of all important data.
- Under no circumstance will Opticon be liable for any direct, indirect, consequential or incidental damages arising out of the use or inability to use both the hardware and software and/or any data loss, even if Opticon has been informed about the possibility of such damages.
- **LASER RADIATION DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT**

## 1.3 Battery Safety

CAUTION: Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions.

Lithium-ion battery packs might get hot, explode, ignite and/or cause serious injury if exploded by abusive using. Please follow the safety warnings listed as below:

- Do not throw the battery pack in fire. Do not expose the battery to high temperatures.
- Do not connect the positive battery pack with negative battery pack to each other with any metal object (like wire).
- Do not carry or store battery pack together with metal objects.
- Do not pierce the battery pack with nails or drills, strike the battery pack with a hammer, step on the battery pack or otherwise expose it to strong impacts, shocks or excessive force.
- Do not solder onto the battery pack.
- Do not expose battery pack to liquid or allow the battery contacts to get wet.
- Do not disassemble or modify the battery pack. The battery pack contains safety and protection measures, which, if damaged, may cause the battery pack to generate heat, explode or ignite.
- Do not discharge the batteries outside the H-15 series PDT. Do not use the battery in another device then the PDT or CRD-15 series cradles. Otherwise, the battery pack can be damaged, or its life expectancy reduced. If the device causes any abnormal current to flow, it may cause the battery pack to become hot, explode or ignite and cause serious injury.
- In the event the battery pack leaks and the fluid gets into one's eye, do not rub the eye. Rinse well with water and immediately seek medical care. If left untreated, the battery fluid could cause damage to the eye.





- **EN 301 489-17 V1.2.1 (2002-08)**

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 – 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

CE 0984 ⚠

<p>☐ Česky [Czech]</p>	<p><i>[Jméno výrobce]</i> tímto prohlašuje, že tento <i>[typ zařízení]</i> je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.</p>
<p>☐ Dansk [Danish]</p>	<p>Undertegnede <i>[fabrikantens navn]</i> erklærer herved, at følgende udstyr <i>[udstyrets typebetegnelse]</i> overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.</p>
<p>☐ Deutsch [German]</p>	<p>Hiermit erkläre <i>[Name des Herstellers]</i>, dass sich das Gerät <i>[Gerätetyp]</i> in Übereinstimmung mit den grundlegenden</p>

	Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
[et] Eesti [Estonian]	Käesolevaga kinnitab [ <i>tootja nimi = name of manufacturer</i> ] seadme [ <i>seadme tüüp = type of equipment</i> ] vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
[en] English	Hereby, [ <i>name of manufacturer</i> ], declares that this [ <i>type of equipment</i> ] is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
[es] Español [Spanish]	Por medio de la presente [ <i>nombre del fabricante</i> ] declara que el [ <i>clase de equipo</i> ] cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
[el] Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ [ <i>name of manufacturer</i> ] ΔΗΛΩΝΕΙ ΟΤΙ [ <i>type of equipment</i> ] ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
[fr] Français [French]	Par la présente [ <i>nom du fabricant</i> ] déclare que l'appareil [ <i>type d'appareil</i> ] est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
[it] Italiano [Italian]	Con la presente [ <i>nome del costruttore</i> ] dichiara che questo [ <i>tipo di apparecchio</i> ] è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo [ <i>name of manufacturer / izgatavotāja nosaukums</i> ] deklarē, ka [ <i>type of equipment / iekārtas tips</i> ] atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo [ <i>manufacturer name</i> ] deklaruoja, kad šis [ <i>equipment type</i> ] atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
[nl] Nederlands [Dutch]	Hierbij verklaart [ <i>naam van de fabrikant</i> ] dat het toestel [ <i>type van toestel</i> ] in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
[mt] Malti [Maltese]	Hawnhekk, [ <i>isem tal-manifattur</i> ], jiddikjara li dan [ <i>il-mudel tal-prodott</i> ] jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Dirrettiva 1999/5/EC.

<p>☐ hu Magyar [Hungarian]</p>	<p>Alulírott, <i>[gyártó neve]</i> nyilatkozom, hogy a <i>[... típus]</i> megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.</p>
<p>☐ pl Polski [Polish]</p>	<p>Niniejszym <i>[nazwa producenta]</i> oświadczam, że <i>[nazwa wyrobu]</i> jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.</p>
<p>☐ pt Português [Portuguese ]</p>	<p><i>[Nome do fabricante]</i> declara que este <i>[tipo de equipamento]</i> está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.</p>
<p>☐ sl Slovensko [Slovenian]</p>	<p><i>[Ime proizvajalca]</i> izjavlja, da je ta <i>[tip opreme]</i> v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.</p>
<p>Slovensky [Slovak]</p>	<p><i>[Meno výrobcu]</i> týmto vyhlasuje, že <i>[typ zariadenia]</i> spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.</p>
<p>☐ fi Suomi [Finnish]</p>	<p><i>[Valmistaja = manufacturer]</i> vakuuttaa täten että <i>[type of equipment = laitteen tyyppimerkintä]</i> tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.</p>
<p>☐ sv Svenska [Swedish]</p>	<p>Härmed intygar <i>[företag]</i> att denna <i>[utrustningstyp]</i> står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.</p>

## 1.5 FCC 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 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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance 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.

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

This 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. Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.

### **IMPORTANT NOTE:**

#### **FCC Radiation Exposure Statement:**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is for handheld operation only.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-Users must be provided with transmitter operation conditions for satisfying RF exposure compliance.

## LED AND LASER SAFETY INFORMATION

- Class II Laser Product
- Do not stare at the Laser or shine into eyes
- Do not allow young children to use the product without adult supervision
- Do not replace/repair the Laser, these are not user replaceable
- Do not shine the Laser on a shiny reflective surface
- LASER RADIATION DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT

### 1.6 Recycling & disposal instructions.



Do not throw this product in the home waste bin. For proper end-of-life treatment consult the Environmental care section of [www.opticon.com](http://www.opticon.com)

### 1.7 Regulatory information.



For CE, FCC, RoHS and other Document of Conformities, consult the Regulatory section of [www.opticon.com](http://www.opticon.com)

## 1.8 Product Labeling

The PDT has several labels as showed in Figure 1-1 and 1-2.



Figure 1-1 Product Labeling (Front and side views)

Label nr.	Description
1	LCD panel protection film
2	Opticon logo

Table 1-1 Front labeling

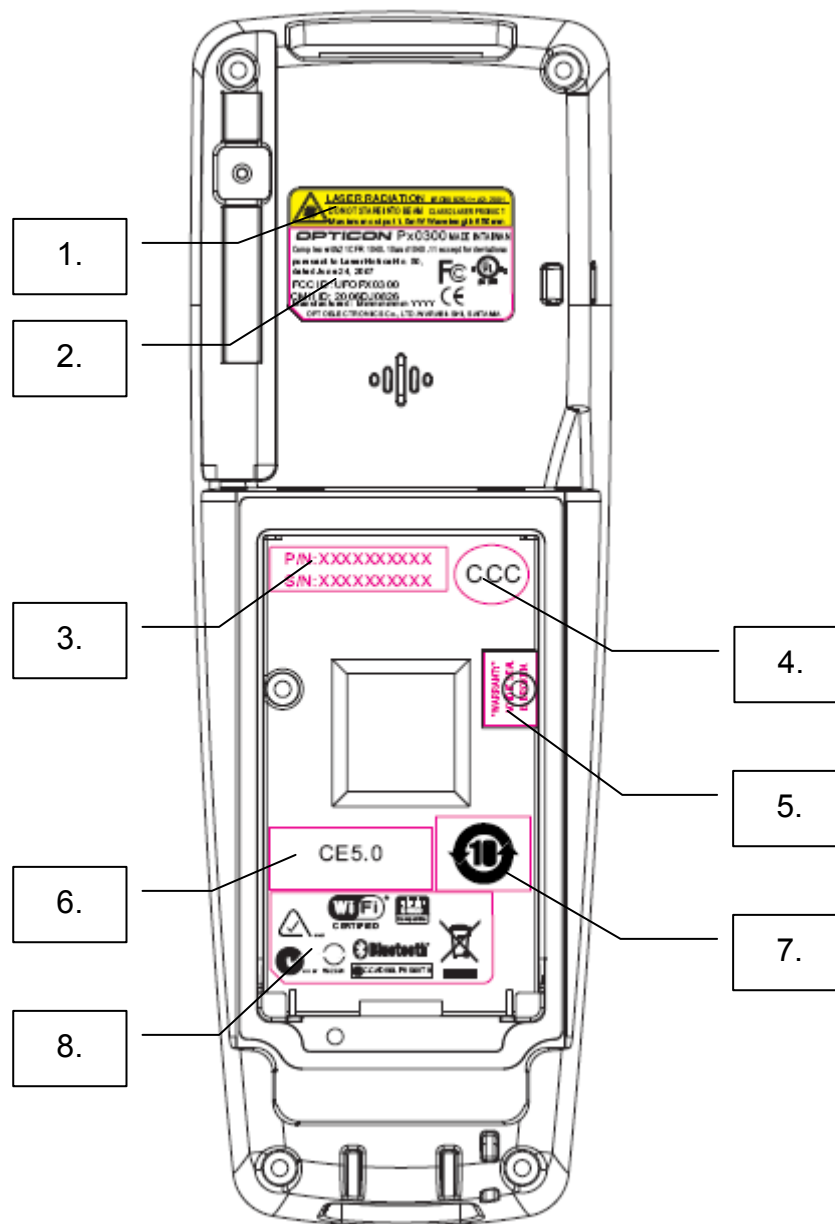


Figure 1-2 Product Labeling (Rear view)

Label no.	Description
1	Laser radiation warning label
2	System and regulatory label
3	Serial number and Article number
4	China regulatory label
5	Warranty seal PDT
6	Windows CE .NET label
7	Warranty label China RoHS
8	Other regulatory label

Table 1-2 Rear labeling



## 1.9 System Specifications

The H-15 detailed specifications as follows. Unless otherwise noted, all the specifications are subject to change without prior notification.

<b>H-15</b>	
Processor	- 312MHz Intel PXA270 32 bits RISC CPU
Memory	- 128 MB Flash ROM - 64 MB SDRAM
Display	- 240 x 320 2.4" TFT 256K Color LCD with LED backlight
Audio	- One speaker output
Radio Support	- <b>Wireless LAN:</b> 802.11b/g Built In - <b>Bluetooth:</b> Ver 2.0, class II Built In
Communication Ports	- <b>USB:</b> Support USB v1.1 client. (Support by H-15 Cradle Only)
Scan Engine	- <b>Default:</b> 1D laser bar code reader
Expansion Slot	- One MicroSD Card slot (MicroSD memory only, no SDIO support)
LED	- One Bi-color LED for charging indication(R/G) - One Bi-color LED for bar code reader indicator(R/G)

<b>H-15</b>	
<b>Power System</b>	<ul style="list-style-type: none"> <li>- Standard Li-Ion battery pack, 3.7V, 1880mAh</li> <li>- Advanced smart battery</li> <li>- Built-in battery charger</li> <li>- 3.7V/105mAh rechargeable backup battery</li> <li>- Battery cover sensor switch</li> <li>- Power adapter: 100~240VAC, 50/60Hz input ; 5VDC, 2.6A output</li> </ul>
<b>Button/Key</b>	<ul style="list-style-type: none"> <li>- Power button</li> <li>- 5 Trigger Buttons (Navigation, Scan)</li> <li>- 4 application keys</li> <li>- 2 direction Buttons (SHIFT, FN)</li> <li>- 6 Control Buttons (Q1, Q2, ESC, BS, Caps, Power)</li> <li>- 12 Numeric Keys (include 0~9 , Enter, Point)</li> </ul>
<b>Dimensions and Weight</b>	<ul style="list-style-type: none"> <li>- Dimensions: L : 168 mm W: 62 mm H: 24 ~ 28 mm Approx.</li> <li>- Weight: 217.6 g with standard battery pack Approx.</li> </ul>
<b>Color</b>	- Black
<b>Optional Peripherals and Accessories</b>	NONE.
<b>Software</b>	- Microsoft Windows CE 5.0 Professional

Table 1-3 **System Specification**

## 1.10 Environment and durability.

<b>Operating Temperature</b>	14°F ~ 122°F( -10°C ~ 50°C)
<b>Storage Temperature</b>	-4°F ~ 140°F (-20°C ~ 60°C)
<b>Humidity</b>	5% ~ 80% (non-condensing)
<b>Drop</b>	5ft (1.5m) Drop on concrete
<b>Water &amp; Dust proof</b>	IP54 certified
<b>Vibration</b>	MIL STD 810F

Table 1-4 **Environmental and durability**

## 1.11 Warranty and after service

Should this PDT require service, please contact your local reseller. In case of technical questions, send an email to [support@opticon.com](mailto:support@opticon.com) and provide information about the product name, the serial number (see chapter 1.7 "Product labeling" and/or chapter 3.2.3.1 "Information") and provide a detailed problem description.

## Chapter 2. Getting started

### 2.1 Check the package

Open the package and check if no parts are missing or damaged:



Figure 2-1 Package contents

1. H-15 PDT
2. Standard battery pack (3.7VDC/1880mAh)
3. Spring Cord for Stylus
4. Stylus
5. Wrist Strap
6. Quick Guide(not shown in the picture)

## 2.2 General View of the PDT

### 2.2.1 PDT front side view



Figure 2-2 PDT front view

### 2.2.2 PDT back side view



Figure 2-3 PDT rear view

1	Bar code reader LED indicator	“Red” color	Bar code reader on
		“Green” color	Successful reading
2	Charge LED indicator	“Red” color	Charging battery
		“Green” color	Battery fully charged
3	LCM / touch panel	User input on touch panel by stylus	
4	Scan key	Start scanning bar codes by pressing Navigation/scan keys	
5	Power key	Put the PDT into suspend mode Awake the PDT from suspend mode	
6	F1 ~ F4 key	Application keys, hot keys of application program defined by end user.	
7	Navigation key	Navigation keys for left, right, up and down directions	
8	Alpha-Numeric keys	Numeric keys, change to alpha keys	
9	Alpha key	Toggle alpha-mode for alpha-numeric keys	
10	Fn key	This key is used in combination with other keys to type special characters and perform system functions.	
11	Enter key	This key confirms data entry	
12	USB Synchronization port	A connector to support DC-IN and USB Client.	
13	Scan window	Bar code reader window	
14	Stylus	Use the stylus for selecting items and entering information.	
15	Battery Cover	Protect battery pack and remain IP54 rating	
16	Battery cover latch	To keep battery cover locked	
17	Speaker	1W speaker for audio output	
18	DC Power Jack	A connector to input power supply to PDT.	

Table 2-1 Description of PDT General View

## 2.3 Charging the Battery Pack

Before using the PDT, install and charge the battery by executing the steps described in this paragraph.

### 2.3.1 Installing the battery pack

1. Turn both battery cover latches downwards and lift the battery cover away from the PDT.



Figure 2-4 Detach the battery cover from PDT

2. Insert the battery pack into the battery compartment with the label facing upwards, and ensuring the battery snaps into its place.



Figure 2-5 Insert the battery pack

3. Install the battery cover by inserting the top first, and then press the bottom in firmly. Turn both the battery cover latches upwards to secure the cover to the PDT.



Figure 2-6 **Replace the battery cover**



## 2.3.2 Charging the PDT with Cradle and Power Adapter

1. Put PDT into Single Dock.
2. Plug in the connector of the power adapter to the Single Dock.
3. Connect the power cord to the power adapter.
4. Connect the power cord to a power source.



Figure 2-7 Charging with CRD-15 cradle

5. Charging time : to charge the battery pack for the first time, it needs approximately 6 hours. Subsequent charging time is approximately 4 hours.
  - When charging the battery pack, the charge LED indicator on the PDT turns on **Red**.
  - After the battery pack is fully charged, the charge LED indicator turns to **Green**.

### 2.3.3 Charging the PDT and battery pack with Cradle

- a) Put the another battery pack into Cradle:
1. Connect the power cord to the power adapter
  2. Plug in the connector of the power adapter to the CRD-15
  3. Connect the power cord to a power source
  4. Insert the PDT into the CRD-15



Figure 2-8 Charging with CRD-15 cradle

b) Place the spare battery pack into the CRD-15 spare battery charging slot :

1. Connect the power cord to the power adapter
2. Plug in the connector of the power adapter to the CRD-15
3. Connect the power cord to a power source
4. Insert the battery pack into the CRD-15 spare battery slot



Figure 2-9 Charging with CRD-15 cradle

- When charging the battery pack in the CRD-15 spare battery slot, the CRD-15 charging LED indicator turns on **Red**.
- After the battery pack is fully charged, this LED indicator turns to **Green**.

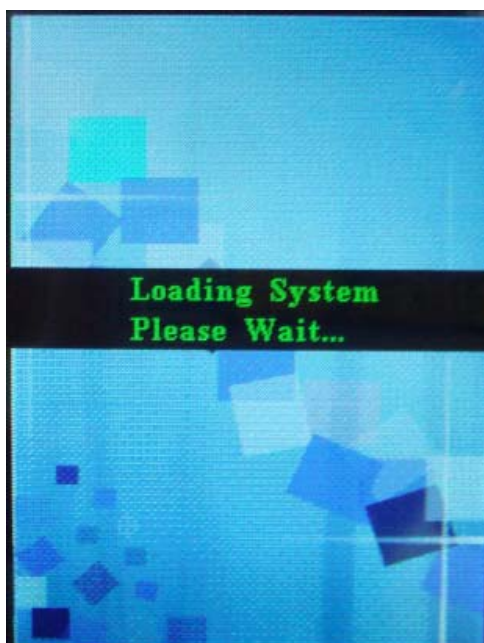
**CAUTION:** Do not remove the battery pack too long from PDT after you have already full-charged the battery pack and backup battery pack and start to use the PDT. Otherwise the data stored inside SDRAM memory will be lost. Please also keep in mind power the PDT off if you want to change the main Battery pack.

## 2.4. Handling the PDT

### 2.4.1 Starting the PDT

Press the power key to turn ON/OFF the PDT. If the PDT does not power on, perform a cold boot, see chapter 2-7 Resetting.

**CAUTION:** When a battery is fully inserted in PDT for the first time, the PDT powers on and boots automatically.




When the PDT is powered on for the first time, it initializes its system. A splash screen (figure 2-10) appears for a short period of time followed by the WinCE 5.0 window.

Figure 2-10 Starting the PDT

### 2.4.2 Power on / off

#### To turn ON the PDT

Press the power key briefly (  ). If the PDT does not power on, perform a cold reset, see chapter 2.7.

While the PDT initializes its file system, the splash screen displays for about 30 seconds followed by the calibration screen. Every time you perform a cold reset, these screens will appear.

#### To turn OFF the PDT

Press the power key again. This action does not actually turn off the PDT, it only turns the PDT into suspend mode. All running applications remain as you left them, until you press the power

key again to resume operation of the PDT.

### 2.4.3 Calibration of the touch Screen

On the initial boot-up of the PDT, the stylus calibration screen opens. Use the stylus to press and hold briefly on the center of each target as it around moves the screen.

If necessary, adjust the backlight on the PDT to make the screen readable (see chapter 2.4.4 Adjusting the brightness).

When you experience that the touch screen function is poor or the operation does not match the exact location it should be, please recalibrate the screen by using the stylus to tap the **Start > Settings > Control Panel > Stylus**, to open the “**Calibration**” to recalibrate again.

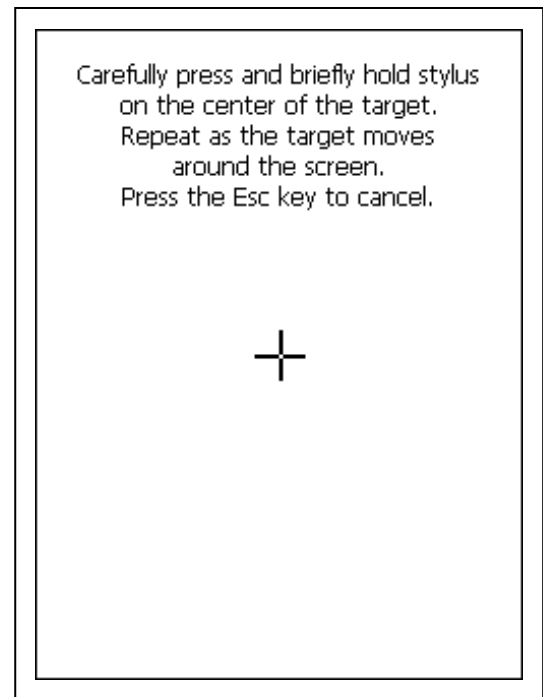



Figure 2-11 Calibration


### 2.4.4 Adjusting the brightness

The factory default for the brightness is in middle level. You can adjust the brightness to meet your environment and comfort as:

1) Increase brightness: Press the  key and then press on the right key of

Navigation key 

2) Decrease brightness: Press the  key and then press on the left key of

Navigation key 

3) The display will dim automatically, if you do not perform any operation for a specific period of time. This will help to save the battery power. You can set up the specific period of time to see chapter 2.7 as reference.

### 2.4.5 To mute the sound

To mute the sound, press the



key first, and then press the



key to turn off and on of the sound.

### 2.4.6 Using the stylus

The stylus is located next to hand-strap on the rear of the PDT as illustrated in figure 2-3 PDT rear view. The stylus function is similar as the mouse on a PC. Use the stylus to:

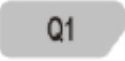
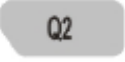














- 1) Navigate the display, select menu item and open optional applications.
- 2) Tap the characters on soft keyboard panel.
- 3) Hold the stylus on the screen and drag across the screen to select multiple items.

**CAUTION:** Never use a pen, pencil or any other sharp object on the display to avoid damage of the touch screen.

### 2.4.7 Using the Keypad



Figure 2-12 PDT Keypad

Key	Main Function	Fn + Main Function	Shift + Main Function
	User configurable Default : None		
	User configurable Default : None		
	Power On/Off		
	Internet Explorer		
	Microsoft WordPad		
	Inbox		
	File Explorer		
	Right	Backlight Increase	
	Left	Backlight Decrease	
	Down	Page Down	
	Up	Page Up	
	ESC	Audio Mute	
	Backspace	TAB (Tabulation)	
	Change to letters		
	Function change		
	1	@ (at)	Space : \ = %

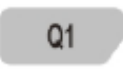













Key	Main Function	Fn + Main Function	Shift + Main Function
	2	,	A B C
	3	+ (Plus Sign)	D E F
	4	Paste	G H I
	5	Del (Delete)	J K L
	6	– (Minus Sign)	M N O
	7	Copy	P Q R S
	8	& (AND)	T U V
	9	* (Asterisk)	W X Y Z
	0	€	[ ] \$ €
	. (Point)	Start Menu	* , ;
	Enter		
	Caps		















Table 2-2 Keypad list

Reset Key	Functionality	Definition
	Warm Reset	Press “F1” and “F4” button simultaneously.
	Cold Reset	Press “Power”, “F1” and “F4” button simultaneously.

Table 2-3 Special reset key combinations



Key	Main Function	Definition
	<b>User configurable</b> <b>Default : None</b>	Configure its function by customer demand.
	<b>User configurable</b> <b>Default : None</b>	Configure its function by customer demand.
	<b>Main BarCode</b> <b>Scan Key</b>	Activates the scan function of PDT.
	<b>Power On/Off</b>	Puts the terminal into and wakes the terminal from suspend mode.
	<b>Internet Explorer</b>	Application key 1, <b>User can define F1 function from setting.</b>
	<b>Microsoft</b> <b>WordPad</b>	Application key 2, <b>User can define F2 function from setting.</b>
	<b>Inbox</b>	Application key 3, <b>User can define F3 function from setting.</b>
	<b>File Explorer</b>	Application key 4, <b>User can define F4 function from setting.</b>
	<b>Right</b>	Move the cursor one character to the right. The cursor will move continuously if button remains is pressed.
	<b>Left</b>	Move the cursor one character to the left. The cursor will move continuously if button remains pressed.
	<b>Down</b>	Move the cursor down one row or line The cursor will move continuously if button remains pressed.
	<b>Up</b>	Move the cursor up one row or line The cursor will move continuously if button remains pressed.
	<b>ESC</b>	This key performs a cancel action
	<b>Backspace</b>	“ <b>Backspace</b> ” key, it moves the cursor back one space each time the key is pressed. It deletes the previous character each time it is pressed if you

Key	Main Function	Definition
		are typing text. The cursor will move continuously if button remains pressed.
	<b>Change to upper case</b>	The  key enables you to toggle between <b>upper case</b> and <b>lower case</b> modes, When you press the  key, the “A” icon appears at the task bar to indicate that Caps(upper case) mode is activated. The keypad stays in Caps mode, until you press  again.
	<b>Change to letters</b>	1. The  key enables you to toggle between the <b>numeric</b> and <b>Shift</b> modes. 2. When you press  key, the “Shift” icon appears at the task bar to indicate Shift mode is enabled. The keypad stays in the Shift mode until you press  key again.
	<b>Function change</b>	The  key is used in combination with other keys to type special characters and perform system functions.
	1	Number key “1”
	2	Number key “2”
	3	Number key “3”
	4	Number key “4”


















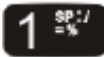

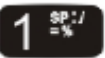












Key	Main Function	Definition
	5	Number key "5"
	6	Number key "6"
	7	Number key "7"
	8	Number key "8"
	9	Number key "9"
	0	Number key "0"
	.	Dot key
	Enter	This key confirms data entry

Table 2-4 Definition of main Function

### 2.4.7.1 Special Function by "Fn" + main Function

The "Fn" key is used in combination with other keys to type special characters and perform system functions.

Key Sequence	Fn + Main Function	Definition
	<b>Backlight Increase</b>	To Increase the LED backlight brightness (to make it lighter), press  key, followed by  key.
	<b>Backlight Decrease</b>	To Decrease the LED backlight brightness (to make it darker), press  key, followed by  key.

Key Sequence	Fn + Main Function	Definition
 	<b>Page Down</b>	To Move the cursor down one page. (The cursor will move continuously if button remains pressed), press  key, followed by  key.
 	<b>Page Up</b>	To Move the cursor up one page. (The cursor will move continuously if button remains pressed), press  key, followed by  key.
 	<b>Audio Mute</b>	To Toggle the audio mute/on, press  key, followed by  key.
 	<b>TAB (Tabulation)</b>	To move the cursor to the next tab stop or the next control (on a form), press  key, followed by  key.
 	<b>@ (at)</b>	Enter an { <b>@</b> , at} by pressing  key, then pressing  key.
 	<b>,</b>	Enter a { <b>'</b> , } by pressing  key, then pressing  key.
 	<b>+ (Plus Sign)</b>	Enter a plus sign by pressing  key, then pressing  key
 	<b>Paste</b>	Use the "Paste" function, by pressing  key, followed by  key.


































Key Sequence	Fn + Main Function	Definition
 	<b>Del (Delete)</b>	Use the “Delete” function, by pressing  key, followed by  key.
 	<b>– (Minus Sign)</b>	Enter a minus sign by pressing  key, followed by  key.
 	<b>Copy</b>	Use the “Copy” function, by pressing  key, followed by  key.
 	<b>&amp; (AND)</b>	Enter an AND sign by pressing  key, followed by  key.
 	<b>* (Asterisk)</b>	Enter an asterisk sign by pressing  key, followed by  key.
 	<b>€ (euro)</b>	Enter a Euro sign by pressing  key, followed by  key.
 	<b>Start Menu</b>	Display the Start menu by pressing  key, followed by  key.
 	<b>/ (Backslash)</b>	Enter a backslash by pressing  key, followed by  key.


Table 2-5 Special Function key define

#### 2.4.7.2 Shift keys by “Shift” + main Function

1. The  key enables you to toggle between the Numeric and Shift modes.





Numeric mode is when you type numbers with number keys. Shift mode is when you type letters with the number keys.



- When you press  key, the “Shift” icon appears at the task bar to indicate Shift mode is enabled. It means Shift mode is disabled if the “Shift” icon is not present



at Task bar. The keypad stays in the Shift mode until you press  key again.
























































For an example to type “cap1” word, press    

< wait 0.5 seconds >    

- If you want to type a lowercase “c”, press    

(The  key three times, the  key is needed if it’s the first Shift character keying in). If a letter that is on the same key as the last letter entered, wait two seconds after you pressed the last key, then you can enter the correct series of keystrokes to create the next letter.

- Press  key to set the Caps mode, the Caps mode remains until you press  key again. The “A” icon appears at the task bar during Caps mode.

To enter	Press the Keys	To enter	Press the Keys
\$	   	€	    
Caps			 
:	  	\	   
a	 	A	 
b	  	B	  
c	   	C	   
d	 	D	 
e	  	E	  
f	   	F	   

To enter	Press the Keys	To enter	Press the Keys
g	SHIFT 4 GHI	G	Caps 4 GHI
h	SHIFT 4 GHI 4 GHI	H	Caps 4 GHI 4 GHI
i	SHIFT 4 GHI 4 GHI 4 GHI	I	Caps 4 GHI 4 GHI 4 GHI
j	SHIFT 5 JKL	J	Caps 5 JKL
k	SHIFT 5 JKL 5 JKL	K	Caps 5 JKL 5 JKL
l	SHIFT 5 JKL 5 JKL 5 JKL	L	Caps 5 JKL 5 JKL 5 JKL
m	SHIFT 6 MNO	M	Caps 6 MNO
n	SHIFT 6 MNO 6 MNO	N	Caps 6 MNO 6 MNO
o	SHIFT 6 MNO 6 MNO 6 MNO	O	Caps 6 MNO 6 MNO 6 MNO
p	SHIFT 7 PQRS	P	Caps 7 PQRS
q	SHIFT 7 PQRS 7 PQRS	Q	Caps 7 PQRS 7 PQRS
r	SHIFT 7 PQRS 7 PQRS 7 PQRS	R	Caps 7 PQRS 7 PQRS 7 PQRS
s	SHIFT 7 PQRS 7 PQRS 7 PQRS 7 PQRS	S	Caps 7 PQRS 7 PQRS 7 PQRS 7 PQRS
t	SHIFT 8 TUV	T	Caps 8 TUV
u	SHIFT 8 TUV 8 TUV	U	Caps 8 TUV 8 TUV
v	SHIFT 8 TUV 8 TUV 8 TUV	V	Caps 8 TUV 8 TUV 8 TUV
w	SHIFT 9 WXYZ	W	Caps 9 WXYZ
x	SHIFT 9 WXYZ 9 WXYZ	X	Caps 9 WXYZ 9 WXYZ
y	SHIFT 9 WXYZ 9 WXYZ 9 WXYZ	Y	Caps 9 WXYZ 9 WXYZ 9 WXYZ
z	SHIFT 9 WXYZ 9 WXYZ 9 WXYZ 9 WXYZ	Z	Caps 9 WXYZ 9 WXYZ 9 WXYZ 9 WXYZ
{	SHIFT 0 ( ) \$€	}	SHIFT 0 ( ) \$€ 0 ( ) \$€
*	SHIFT . *	,	SHIFT . * . *
;	SHIFT . * . * . *	@	SHIFT . * . * . * . *
=	SHIFT 1 SP/;/=% 1 SP/;/=% 1 SP/;/=% 1 SP/;/=%	%	SHIFT 1 SP/;/=% 1 SP/;/=% 1 SP/;/=% 1 SP/;/=% 1 SP/;/=%

Table 2-6 Shift + Numeric keys define

## 2.5 Navigating the Display

### 2.5.1 Setting Time and Date

In the **Date/Time** options, you can change the year, month, date, time, time zone, or select automatic adjust for daylight saving time. To set or change the date and time:

1. Select **Start > Settings > Control Panel > Date/Time**.
2. To change the year, select the year. Select the up arrow to increase the value, select the down arrow to decrease the value. Or you can type a new value in the field.
3. Select the month to open a pull-down list of months or press the arrow buttons to either side of the month to increase or decrease the month.
4. To change the time, select the hour, minute, seconds, or AM/PM and select the up arrow to increase the value; select the down arrow to decrease the value. Or you can type a new value in the field.
5. Select your correct time zone from the pull-down list.
6. To automatically adjust the clock for daylight saving time, enable the checkbox at the bottom of the screen.
7. Select **Apply** to save your changes or select **OK** to exit the **Date/Time** settings.

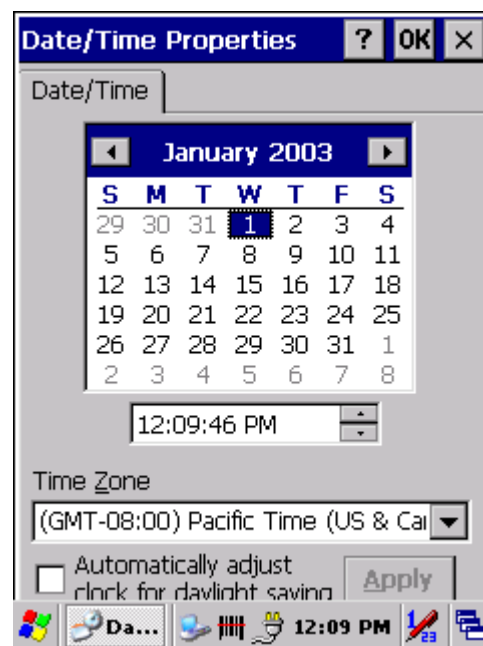


Figure 2-13 **Date/Time** properties

### 2.5.2 Entering the Data

To select and open programs, select **Start > Programs** from the task bar to open a list of available programs. If the program has an icon on the desktop, double-tap to open it. There are several ways to enter data in an application on the PDT:

- Use the keypad to enter alpha-numeric characters, Refer to “**2.4.7 Using the keypad**”.
- Use the stylus on the touch screen, Refer to “**2.4.6 Using the stylus**”.
- Select text in the same way you select the text on a PC. Use the stylus to highlight the desired text by dragging the stylus across the desired text, double-tapping to select one word and triple-tapping to select an entire line/paragraph. Refer to “**2.4.6 Using the stylus**”.
- Use the soft input panel with the stylus. Refer to “**2.5.5 The Soft Keypad**”



- Use the bar code reader to input the data from a bar code. Press one of the three trigger keys to start the bar code reader. The bar code data will enter in the current application's open window. Refer to “**2.5.7 Reading bar codes**”.

For more information on factory installed applications, Refer to Chapter 4 “**Software Programs**”.

### 2.5.3 The Command Bar

Use the **Command** bar at top of the screen to perform tasks in programs, such a opening a file, or editing a file.

### 2.5.4 The Task Bar

The **Task** bar at the bottom of the screen displays the icon, an icon for the active program, the current time, and system icons for utilities loaded in memory. The **Task** bar includes menu names, buttons, and the keyboard icon, which opens and closes the Soft Input Panel (SIP). The **Task** bar allows you to select and close programs. Refer to Figure 2-15 to view the **Task** bar.

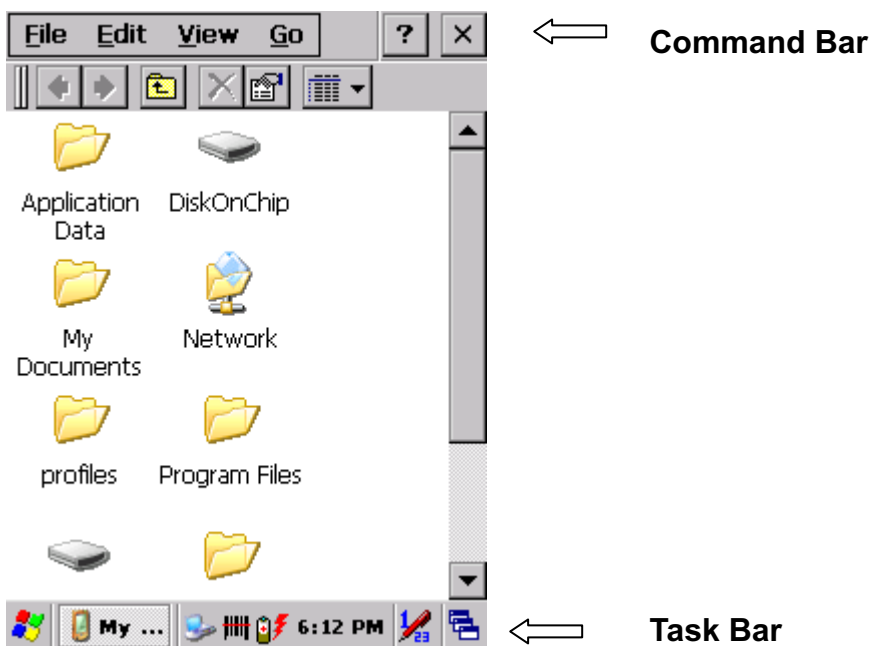


Figure 2-14 **Task Bar & Command Bar**

## 2.5.5 The Soft Keypad

In applications that accept keypad input, the Soft Input Panel (**SIP**) can be used to enter data using the stylus. The **SIP** is a software, QWERTY-style keyboard.

To open the **SIP**, tap the **keyboard** icon to open the menu and select **Hide Input Panel** to close the keyboard.

Use the stylus to select letters, numbers, or symbols from the **Soft Input Panel** for the current application.

## 2.5.6 Setting Up Wireless LAN RF

### Setting Up Wireless LAN

- 1) Press "Start" – "Programs" -- "Summit" –"WLAN" to open Summit Client Utility.
- 2) Tap Main tab, tap "Enable/Disable Radio" button to Enable or Disable the WLAN.
- 3) Tap Profile tab, tap "Scan" button to connect/refresh the network.
- 4) Select a network, tap the "Connect" button or double tap it to create a new profile SSID.
- 5) And setting encryption of the network then press "Commit" button to commit it.
- 6) Finally, you can view the SSID of the active profile on Main tab and select it to use the network.

**Note:** availability depends on PDT model.

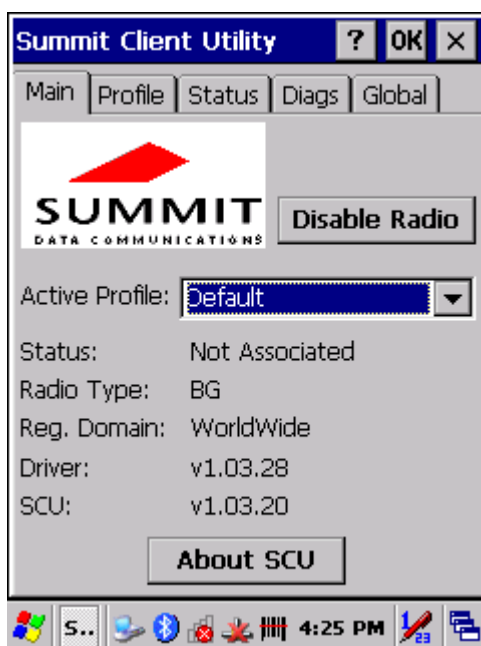


Figure 2-15 WLAN Manager

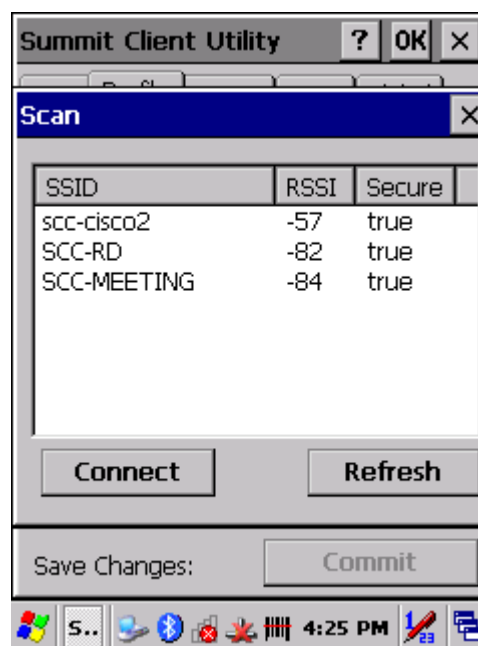


Figure 2-16 WLAN Manager

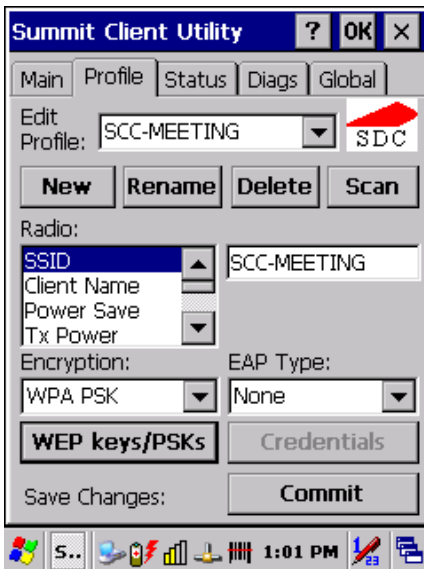


Figure 2-17 WLAN Manager

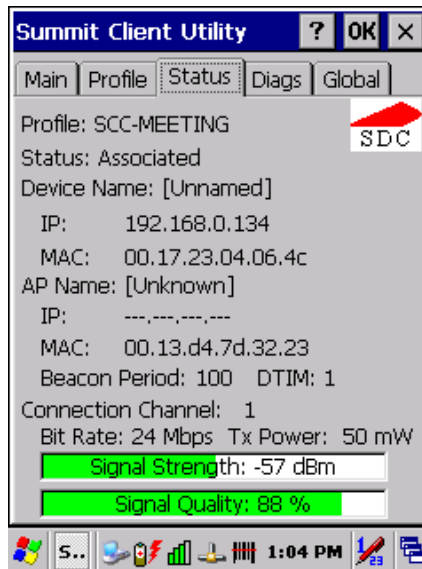


Figure 2-18 WLAN Manager



Figure 2-19 WLAN Manager

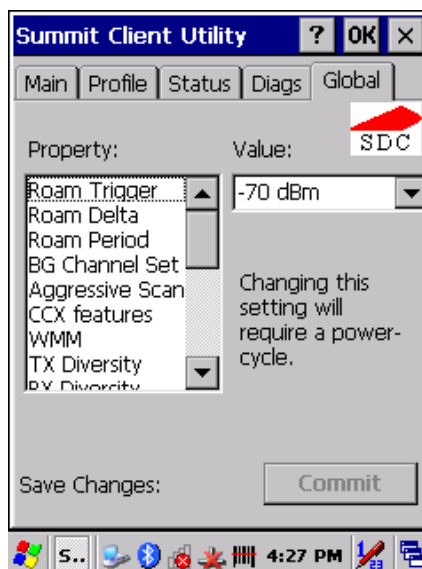


Figure 2-20 WLAN Manager

	802.11b/g WLAN is not connected to a network.
	802.11b/g WLAN signal is Low.
	802.11b/g WLAN signal is Average.
	802.11b/g WLAN signal is Good.
	802.11b/g WLAN signal is Very Good.

### 2.5.7 Reading bar codes, 1D laser version.

To use the scanning function, complete the following steps:

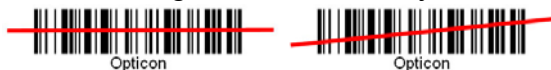
1. If you have not already done so, remove the protective plastic film before using devices equipped with a 1D laser bar code reader.
2. Run the **WordPad** software program.
3. Press one of the three bar code reader trigger buttons.
4. Aim the scanning beam at the center of bar code.



5. Good scanning position.

The reading range is from 50 to 650mm distance.

- 1) Decrease the scanning distance to the bar code when scanning small bar codes.
- 2) Increase the scanning distance from the bar code when scanning large bar codes
- 3) The scanning area is visible by a red laser beam.



6. Bad scanning position.

- 1) Make sure that the laser beam sweeps across whole bar code.
- 2) Scanning operations may fail if the laser beam is positioned as below.



7. Upon reading a bar code, the red LED indicator turns on until the trigger is release or after five seconds. The green LED and the beep tone indicates a good read.



**Note:** this product scans using laser light. Never look directly into the laser light or shine the laser light into the eyes.

### 2.5.8 Help

Tap “?” to get information for each program.

## 2.6 Power management

### 2.6.1 Suspend Mode

The PDT will go into a suspend mode when it is idle for a period of time. The idle duration can be customized using the **Power** control panel (refer to Figure “**Schemes Tab**”) Suspend mode works and looks just like you have turned the unit off. Press the  key to suspend the PDT, Press the  key again for the PDT to resume its Previous state. Use the **Battery power** control panel to set the duration to switch state to Suspend mode when system using battery power. This will save battery power when PDT is not in use.

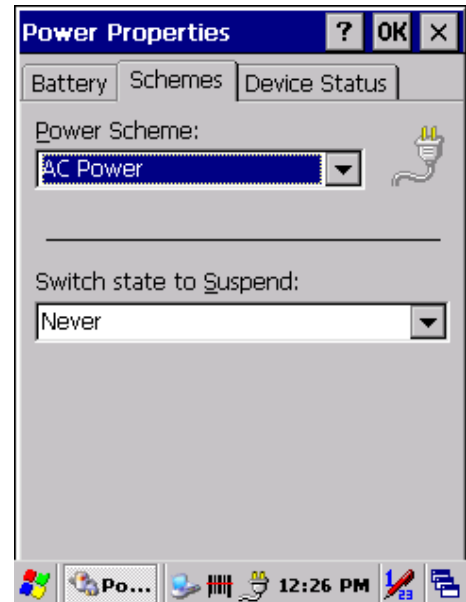


Figure 2-21 Schemes Tab

#### Suspending:

The following conditions will suspend:

- Press <**Power**> key while the unit is on.
- The duration timer of item “Switch **state to Suspend**” expires, which indicates that there has been no user activity for a specified of time.
- The battery pack is almost empty.
- Tap **Start > Suspend**

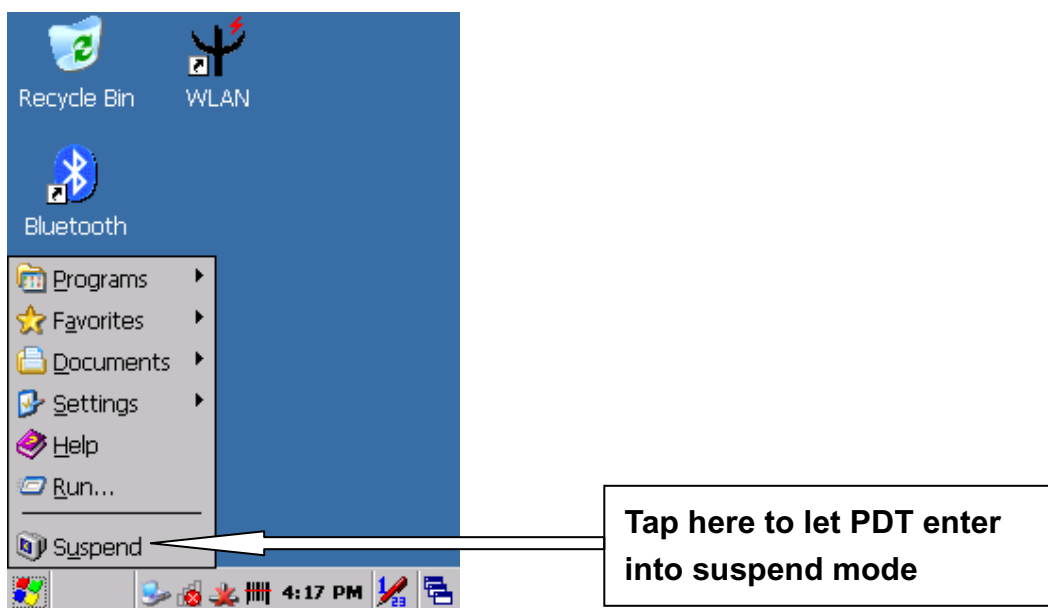


Figure 2-22 Suspend

## 2.6.2 Resuming

Use the following method to resume (wake up the PDT):

- Press <**Power**> key to suspend or resume (wake up).

When a battery pack completely discharges while the unit is in suspend mode, the PDT remains suspended until discharged battery condition is corrected.

## 2.7 Resetting the PDT

### 2.7.1 Warm Reset

A warm reset is a transition from the on, idle, or suspend power state that close all applications, clears the working RAM, but preserves the file system.

**Reason to Warm Reset:** If an application “hangs”, initiate a warm reset to terminate the application only.

**Process to Warm Reset:** To warm reset, press “**F1**” and “**F4**” button simultaneously.

#### After Warm Reset:

- The desktop appears with the application shortcuts on the screen.
- The custom settings in the registry are persistent.

### 2.7.2 Cold Reset

#### **CAUTION:**

**Try warm reset before you initiate Cold Reset. All applications will be Closed and working RAM and all files will be cleared if you initiate the Cold Reset. It is strongly recommended to back up your files to FlashROM, Flashcard or PC.**

- 1) You can use Cold Reset to initialize the PDT if WINCE.NET OS lock up or Warm Reset has no effect.
- 2) To perform Cold Reset, press “**Power**”, “**F1**” and “**F4**” button simultaneously.
- 3) PDT will initiate boot up after Cold Reset.

## Chapter 3. PDT settings

### 3.1 Introduction

To view available options for PDT's setting, tap **Start > Settings**. Then, there are three items inside **Settings**: “**Control Panel**”, “**Network and Dial-up**” and “**Taskbar and Start**”.

### 3.2 Control Panel

To view the **Control Panel** and settings you can modify by tapping **Start > Settings > Control Panel**.

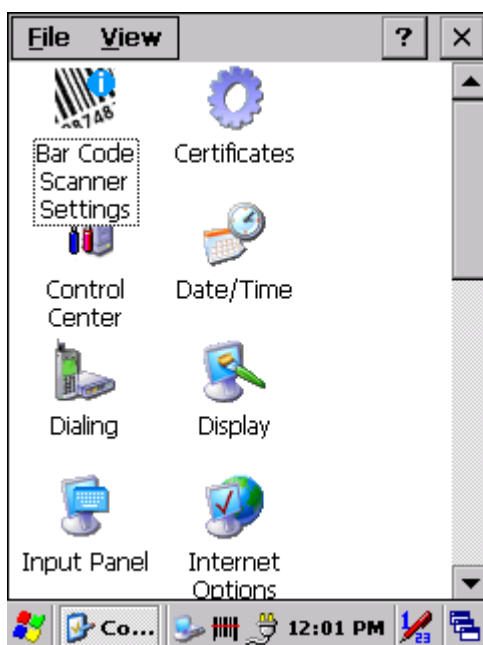


Figure 3-1 **Control Panel**

### 3.2.1 Bluetooth Device Properties



ICON	ITEM & FUNCTION
	<ul style="list-style-type: none"> <li>• <b>“Scan Device” Tab ( Figure 3-2) :</b> <ul style="list-style-type: none"> <li>✓ Tap the <b>Scan Device</b> button to initiate a scan for Bluetooth devices. The Bluetooth manager lists the Bluetooth devices that it finds, see <b>Figure 3-3</b>. If Bluetooth hardware is not found in the PDT, the <i>Bluetooth Hardware Error</i> window appears, see <b>Figure 3-4</b>. <b>Table 3-1</b> described the Bluetooth Icons.</li> <li>✓ Double tap the device to connect to on the device list. The Bluetooth Manager Authentication window appears. Tap <b>No</b> to connect to the device without authentication, or tap <b>Yes</b> to authenticate the device before connecting. (<b>Figure 3-5</b>)</li> <li>✓ If the <b>Yes</b> button was selected in the Bluetooth Manager Authentication window, the enter PIN windows appears. Enter a PIN (between 1 and 16 alpha numeric characters) in the <i>Enter PIN:</i> text box, and tap <b>OK</b>. The mobile computer sends the PIN request to the device for bonding. (<b>Figure 3-6</b>)</li> <li>✓ When prompted, the same PIN must be entered on the other device. When the PIN is entered correctly on the other device, the bonded icon  appears on the device list. (<b>Figure 3-7</b>)</li> </ul> </li> </ul>

Table 3-1 Bluetooth Device Properties



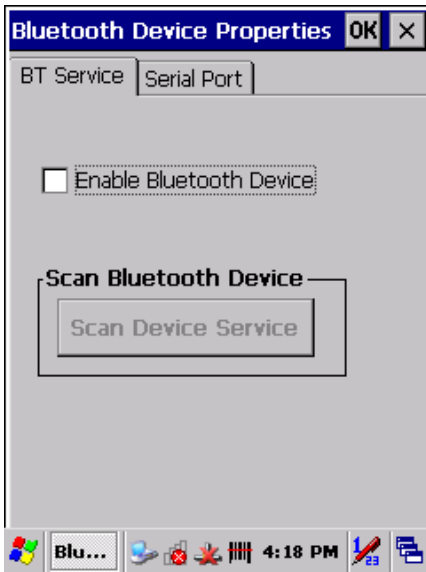


Figure 3-2 Bluetooth Manager Window

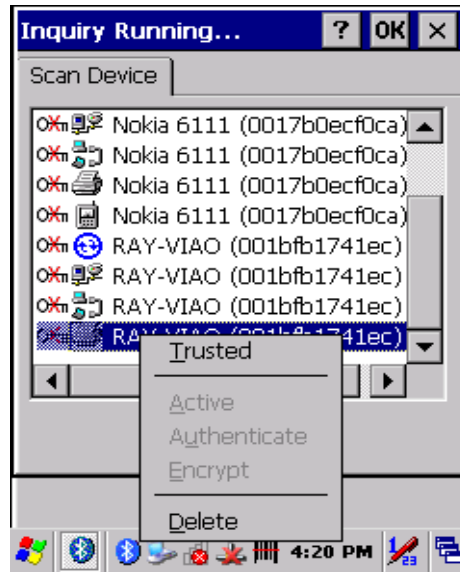


Figure 3-3 Bluetooth Manager Window



Figure 3-4 Bluetooth Error Window



Figure 3-5 Bluetooth Manager Window

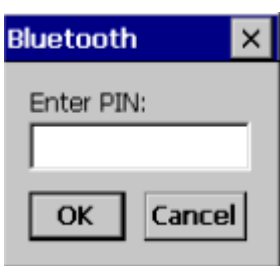


Figure 3-6 Bluetooth Enter PIN Window

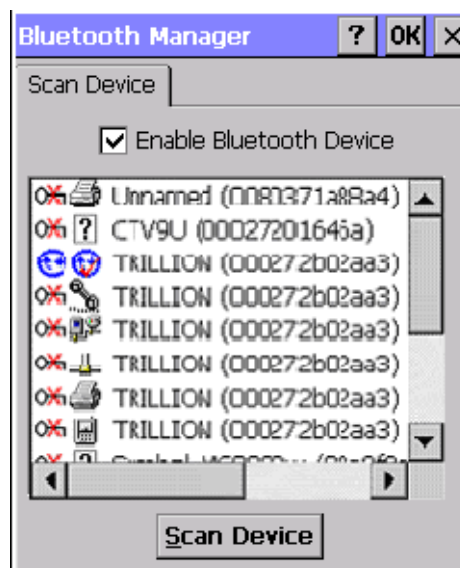


Figure 3-7 Bluetooth Manager Window

**Note:**

If the device to which the PDT is bonding does not appear in the list, ensure it is turned on, in discoverable mode, and within range (30 feet / 10 meters) of the PDT.











Icon		Description
	Unknown device icon	Device is not defined
	Locked icon	Device is locked and can not be bonded to.
	Not locked icon	Device is not locked and can be bonded to.
	Bluetooth device icon	Bluetooth device
	Bonded device icon	Bonded Bluetooth device
	Mobile device icon	Device is a mobile device
	Phone icon	Device is a phone.
	Printer icon	Device is a printer
	Network icon	Device is a network.
	Linked icon	Device is linked.

Table 3-2 Bluetooth Icons

### 3.2.2 Certificates

Certificates are used by some applications for establishing trust and for secure communications.

Certificates are signed and issued by certificate authorities and are valid for a prescribed period of time. Windows CE manages multiple certificate stores.


ICON	ITEM & FUNCTION
 Certificates	<ul style="list-style-type: none"> <li>● <b>“Store” Tab ( Figure 3-8) :</b></li> <li>✓ In the Stores tab, select the certificate store you wish to view or modify from the drop-down list (<b>Figure 3-9</b>).</li> <li>✓ The <b>“Trusted Authorities”</b> store lists the top-level certificates for authorities you trust.( <b>Figure 3-10 , Figure 3-11</b>)</li> <li>✓ The <b>“My Certificates”</b> store contains your personal certificates, which you use to identify yourself.</li> <li>✓ Intermediate certificate authorities that help establish a chain of trust are stored in the <b>“Other Authorities”</b> store.</li> </ul>
	<ul style="list-style-type: none"> <li>● <b>“Store” Tab :</b></li> <li>✓ To add a certificate or associated private key to the selected store, select <b>“Import”</b> (<b>Figure 3-12</b>).</li> <li>✓ To view more details of the selected certificate, such as the expanded name or expiration date, choose <b>“View”</b>.</li> <li>✓ To delete the selected certificate from the store, choose <b>“Remove”</b>.</li> </ul>

Table 3-3 Certificates



Figure 3-8 Certificates

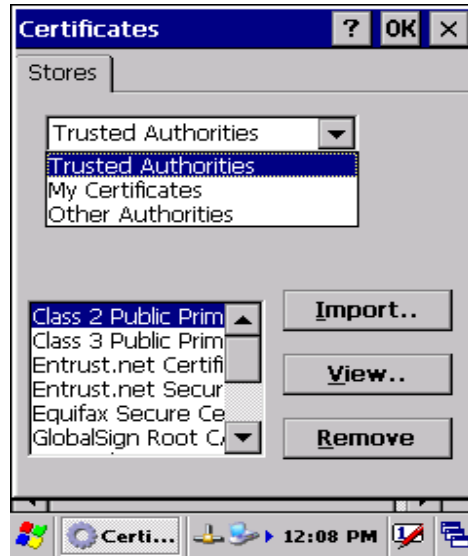


Figure 3-9 Certificates



Figure 3-10 Certificates

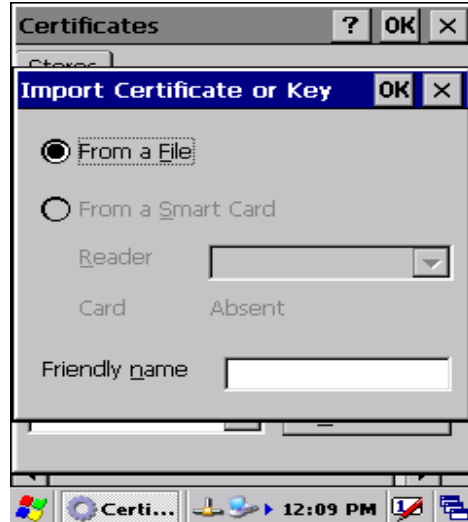


Figure 3-11 Certificates



Figure 3-12 Certificates

### 3.2.3 Control Center

The Control Center includes four Property buttons. These are property buttons for PDT device information, display brightness, and Fn-Key Settings.

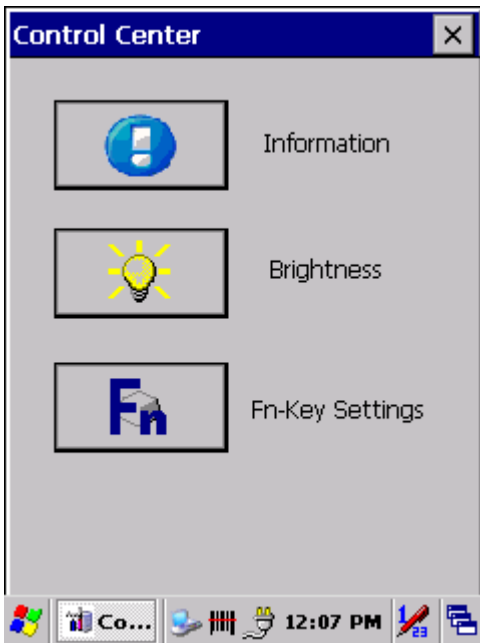


Figure 3-13 Control Center

#### 3.2.3.1 Information


ICON	ITEM & FUNCTION
	<ul style="list-style-type: none"> <li>• <b>“Information” Tab :</b></li> <li>✓ Provide Software version, MAC address, Bluetooth ID, Serial No. and Configuration No.</li> </ul>

Table 3-4 Information

### 3.2.3.2 Brightness



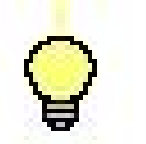
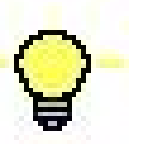
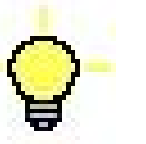

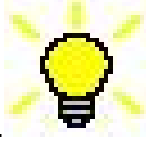
ICON	ITEM & FUNCTION			
	<p><b>LCD Brightness</b> Tune the LCD brightness by tapping right-arrow &amp; left-arrow. Can also tune the LCD brightness by pressing right-direction key or left-direction key of keypad.</p>			
	<p>Amounts 6 steps: Every step have corresponding picture of self.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">0. </div> <div style="text-align: center;">1. </div> <div style="text-align: center;">2. </div> <div style="text-align: center;">3. </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">4. </div> <div style="text-align: center;">5. </div> </div>			
	<p><b>Backlight Timeout</b> Save battery life by automatically turning off the backlight when not used.</p>			
	<table border="0" style="width: 100%;"> <tr> <td style="width: 40%; vertical-align: top;"> <input type="checkbox"/> Battery Power, and device is idle for more than                 </td> <td style="vertical-align: top;">                     The table must disable when its item is not marked.                      The table has 15 seconds, 30 seconds, 1 minute, <u>2 minutes</u> and 5 minutes.                 </td> </tr> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> External Power, and device is idle for more than                 </td> <td style="vertical-align: top;">                     The table must disable when its item is not marked.                      The table has 15 seconds, 30 seconds, 1 minute, <u>2 minutes</u> and 5 minutes.                 </td> </tr> </table>	<input type="checkbox"/> Battery Power, and device is idle for more than	The table must disable when its item is not marked. The table has 15 seconds, 30 seconds, 1 minute, <u>2 minutes</u> and 5 minutes.	<input type="checkbox"/> External Power, and device is idle for more than
<input type="checkbox"/> Battery Power, and device is idle for more than	The table must disable when its item is not marked. The table has 15 seconds, 30 seconds, 1 minute, <u>2 minutes</u> and 5 minutes.			
<input type="checkbox"/> External Power, and device is idle for more than	The table must disable when its item is not marked. The table has 15 seconds, 30 seconds, 1 minute, <u>2 minutes</u> and 5 minutes.			

Table 3-5 Brightness

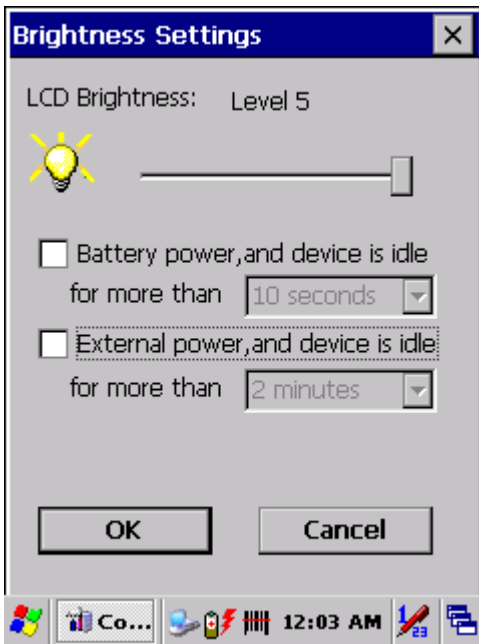


Figure 3-14 Brightness

### 3.2.3.3 Fn-key Settings


ICON	ITEM & FUNCTION		
	<ul style="list-style-type: none"> <li>• <b>Fn-Key Setting (Figure 3-15)</b></li> </ul>		
	<table border="1"> <tr> <td data-bbox="304 1346 488 1397"><b>Fn Key</b></td> <td data-bbox="488 1346 1273 1397"><b>The Application Program of default setting</b></td> </tr> </table>	<b>Fn Key</b>	<b>The Application Program of default setting</b>
	<b>Fn Key</b>	<b>The Application Program of default setting</b>	
	F1	Internet Explorer	
	F2	Microsoft WordPad	
	F3	Inbox	
	F4	Windows Explorer	
<ul style="list-style-type: none"> <li>✓ To assign your favorite application program to F1, F2, F3 and F4 hot keys.</li> <li>✓ Choose one of F1, F2, F3 and F4 from pull-down list. <b>(Figure 3-16)</b></li> <li>✓ To tap “Browse...” inside “<b>Assign program</b>” applet.</li> <li>✓ Select one application program you want from program list, then, choose “<b>OK</b>”. <b>(Figure 3-16)</b></li> <li>✓ To tap “Default” to return back to default setting. <b>(Figure 3-15)</b></li> </ul>			

Table 3-6 Fn-Key

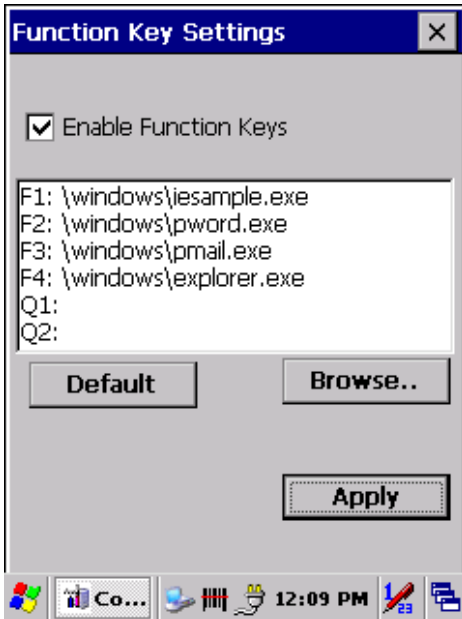


Figure 3-15 Fn-Key Settings

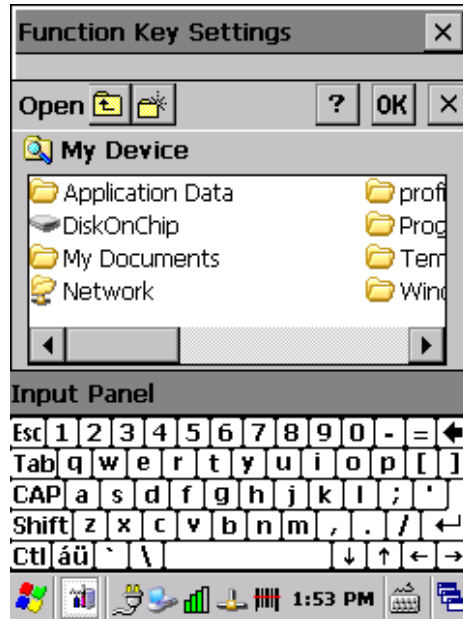


Figure 3-16 Fn-Key Settings

### 3.2.4 Date/Time


ICON	ITEM & FUNCTION
 Date/Time	<ul style="list-style-type: none"> <li>• “Date/Time” Tab :( Figure 3-17)</li> <li>✓ Please see the detail information of 2.5.1 Setting Time and Date</li> </ul>

Table 3-7 Date/Time

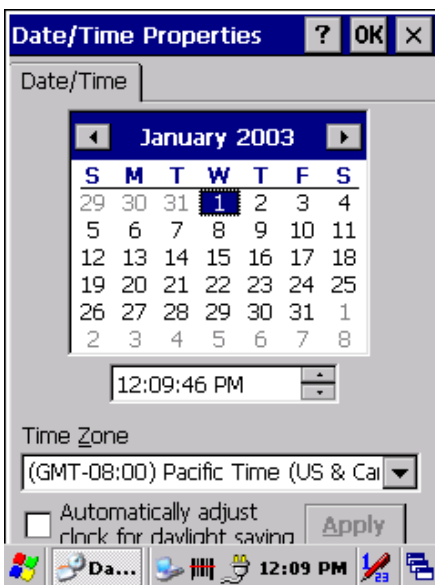


Figure 3-17 Date/Time Settings



### 3.2.5 Dialing Properties


ICON	ITEM & FUNCTION
 Dialing	<ul style="list-style-type: none"> <li>● <b>“Dialing Properties” Tab :( Figure 3-18)</b></li> <li>✓ In the <b>When dialing from</b> list, select the <b>“Location”</b> where you want to change settings.(<b>Figure 3-19</b>)</li> <li>✓ To create a new location, select <b>“New”</b>. Enter the name of the location, and then select <b>“OK”</b>.(<b>Figure 3-20</b>)</li> <li>✓ Enter or edit the area code and local country code as needed.</li> <li>✓ In <b>Dial using</b>, select <b>“Tone dialing”</b> or <b>“Pulse dialing”</b>. Most phone lines are tone.</li> <li>✓ To automatically disable call waiting, select <b>“Disable call waiting by dialing”</b>, select the appropriate number sequence in the list, or enter a new sequence.</li> </ul> <hr/> <ul style="list-style-type: none"> <li>● <b>Editing dialing patterns (Figure 3-21)</b></li> <li>✓ Using the codes listed in the topic; revise the dialing patterns as needed.</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>■ If you need to use character other than the ones listed here, use manual dialing.</li> <li>■ Hyphens and spaces in dialing strings are ignored.</li> <li>■ Some modems may not respond to the following characters, even though your device lets you add them to the dial string.</li> </ul>

Table 3-8 Dialing properties

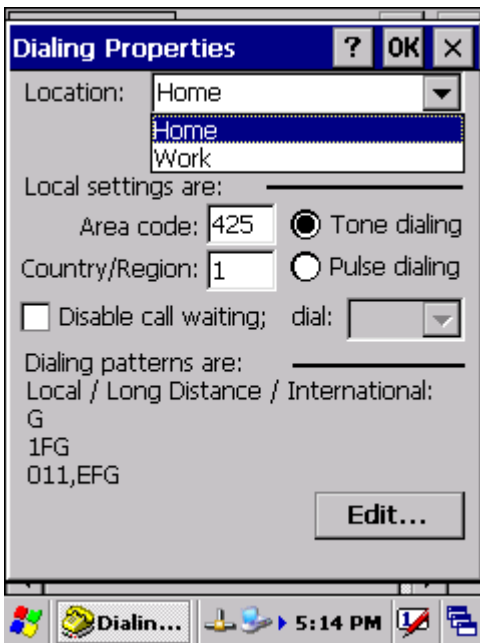


Figure 3-18 Dialing Properties

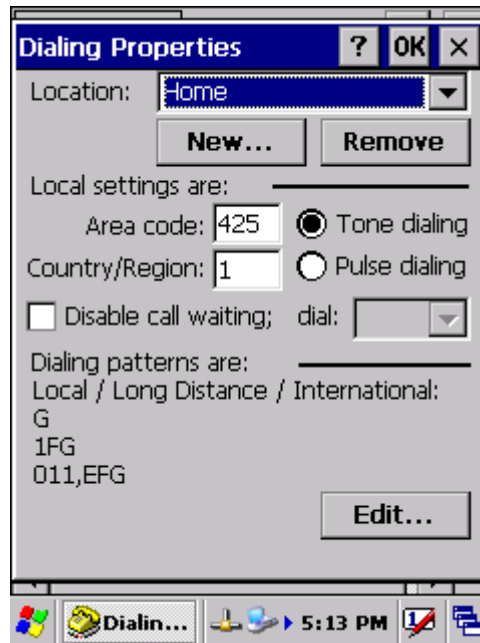


Figure 3-19 Dialing Properties

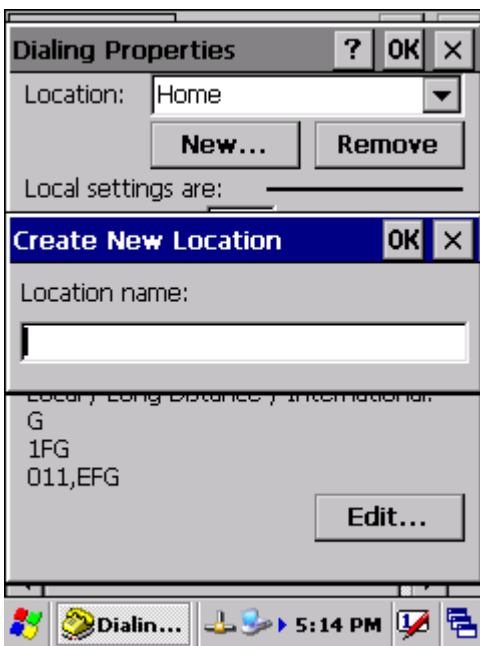


Figure 3-20 Dialing Properties

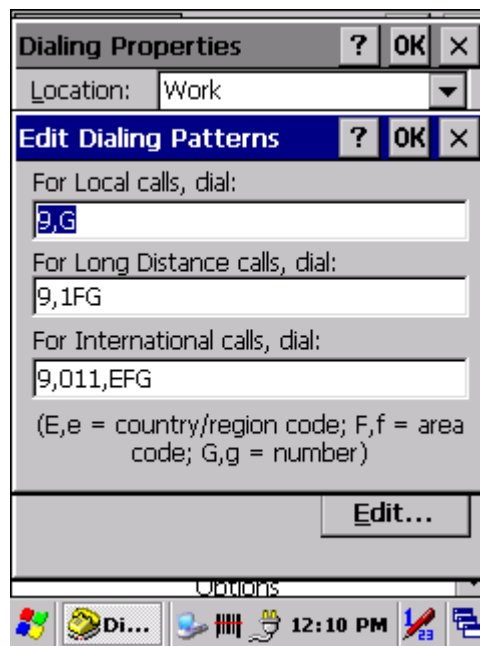


Figure 3-21 Dialing Properties

### 3.2.6 Display Properties


ICON	ITEM & FUNCTION
 Display	<ul style="list-style-type: none"> <li>● <b>“Background” Tab :</b> ( <b>Figure 3-22</b>)</li> <li>✓ From the <b>“Image”</b> list, select an image you want as the background of the desktop.(<b>Figure 3-23</b>)</li> <li>✓ To locate an image in another folder, select <b>“Browse”</b>.(<b>Figure 3-24</b>)</li> <li>✓ To have the image cover the entire background, select <b>“Tile image on background”</b></li> </ul> <hr/> <ul style="list-style-type: none"> <li>● <b>“Appearance” Tab</b>(<b>Figure 3-25</b>)</li> <li>✓ Change the color scheme :( <b>Figure 3-26</b>)             <ul style="list-style-type: none"> <li>➢ From the <b>“Scheme”</b> list, select a scheme.</li> <li>➢ View your choice in the preview box. If you like the scheme, select <b>“Apply”</b>.</li> </ul> </li> <li>✓ Create a custom color scheme:             <ul style="list-style-type: none"> <li>➢ From the <b>“Item”</b> list, select a display item.</li> <li>➢ From the <b>“Basic colors”</b> list, select a color, and select <b>“OK”</b>.</li> <li>➢ View your color selection(s) in the Preview box.</li> <li>➢ To save the scheme, select <b>“Save”</b>.</li> <li>➢ In the <b>“Save this color scheme as”</b> box, enter a name for the scheme, and select <b>“OK”</b>.</li> <li>➢ Select <b>“Apply”</b>.</li> </ul> </li> </ul>

Table 3-9 Display properties

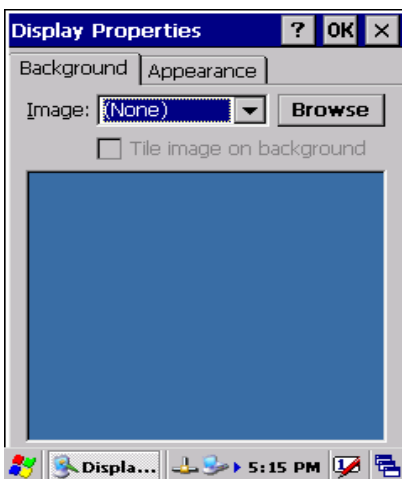


Figure 3-22 Display properties

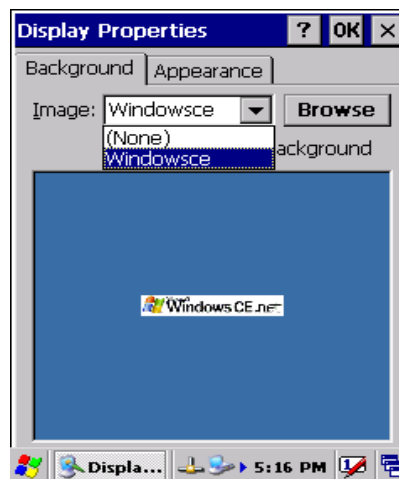


Figure 3-23 Display properties

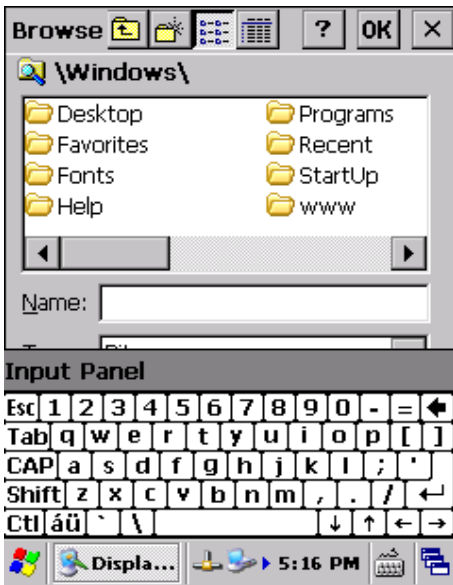


Figure 3-24 Display properties

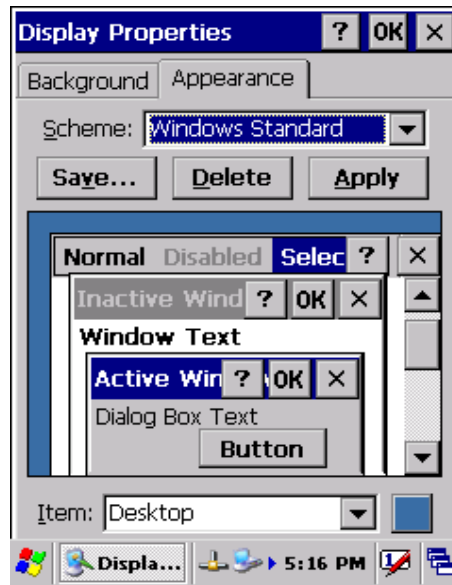


Figure 3-25 Display properties

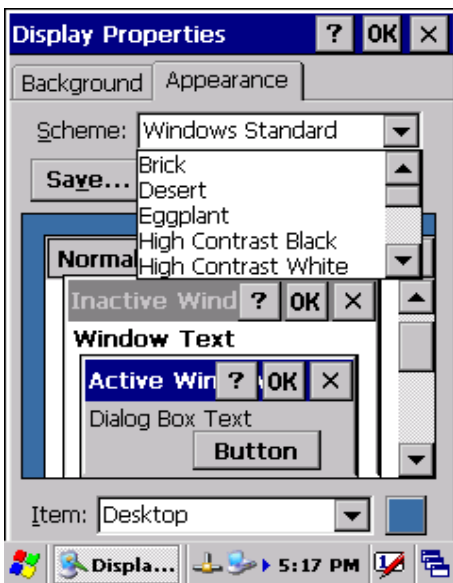


Figure 3-26 Display properties

### 3.2.7 Input Panel


ICON	ITEM & FUNCTION
 Input Panel	<ul style="list-style-type: none"> <li>● <b>“Input panel” Tab :</b> ( <b>Figure 3-27</b> )</li> <li>✓ Select the input method you want to change.</li> <li>✓ To change the <b>Soft Keyboard Options</b> , tap <b>“Option”</b> ( <b>Figure 3-28</b> ) .</li> </ul> <hr/> <ul style="list-style-type: none"> <li>● <b>“Options” Tab :</b></li> <li>✓ Change the soft keyboard options as desired, selecting from:             <ul style="list-style-type: none"> <li>➢ Large or small keys</li> <li>➢ Using gestures for space, black-space shift, and enter.</li> </ul> </li> <li>✓ To exit the <b>soft keyboard Options</b>, press <b>“OK”</b> on the control bar, or press the <b>&lt;Enter&gt;</b> key on the keypad.</li> <li>✓ To exit the <b>Input Panel</b>, press <b>“OK”</b> on the control bar, or press the <b>&lt;Enter&gt;</b> key on the keypad.</li> </ul>

Table 3-10 Display properties

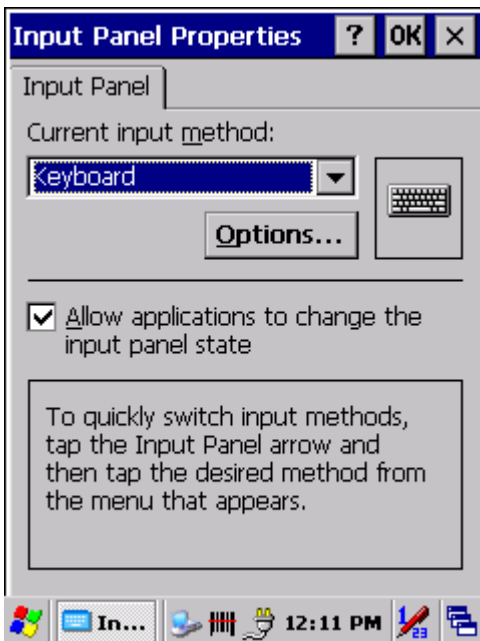


Figure 3-27 Input Panel Properties

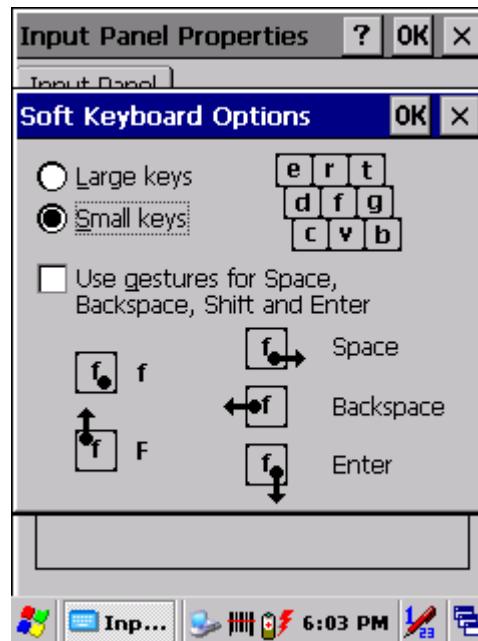


Figure 3-28 Input Panel Properties

### 3.2.8 Internet Options


ICON	ITEM & FUNCTION
 Internet Options	<ul style="list-style-type: none"> <li>● <b>“General” Tab :( Figure 3-29)</b></li> </ul>
	<ul style="list-style-type: none"> <li>✓ Type in the URL of desired start page and the desired search engine. You also change the <b>Cache Size, clear the Cache and Clear the History..</b></li> </ul>
	<ul style="list-style-type: none"> <li>● <b>“Connection” Tab :( Figure 3-30)</b></li> </ul>
	<ul style="list-style-type: none"> <li>✓ Modify the network access setting as desired.</li> </ul>
	<ul style="list-style-type: none"> <li>● <b>“Security” Tab (Figure 3-31)</b></li> </ul>
<ul style="list-style-type: none"> <li>✓ Modify the security settings as desired. You can enable any of the following by tapping the checkbox:                             <ul style="list-style-type: none"> <li>➤ Allow cookies</li> <li>➤ Allow TLS 1.0 security</li> <li>➤ Allow SSL 2.0 security</li> <li>➤ Allow SSL 3.0 security</li> <li>➤ Warn when switching across secure and insecure areas.</li> </ul> </li> </ul>	
<ul style="list-style-type: none"> <li>● <b>“Advanced” Tab (Figure 3-32)</b></li> </ul>	
<ul style="list-style-type: none"> <li>✓ Modify the security settings as desired. You can enable any of the following by tapping the checkbox:                             <ul style="list-style-type: none"> <li>➤ Display Image in pages</li> <li>➤ Play sounds in pages</li> <li>➤ Enable scripting</li> <li>➤ Display a notification about every script error</li> <li>➤ Underline links-                                     <ul style="list-style-type: none"> <li>○ Never</li> <li>○ Always</li> <li>○ Hover</li> </ul> </li> </ul> </li> </ul>	

Table 3-11 Internet Options

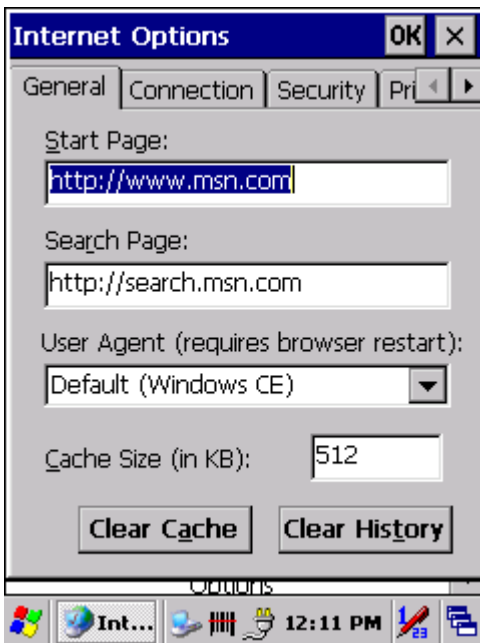


Figure 3-29 Internet Settings

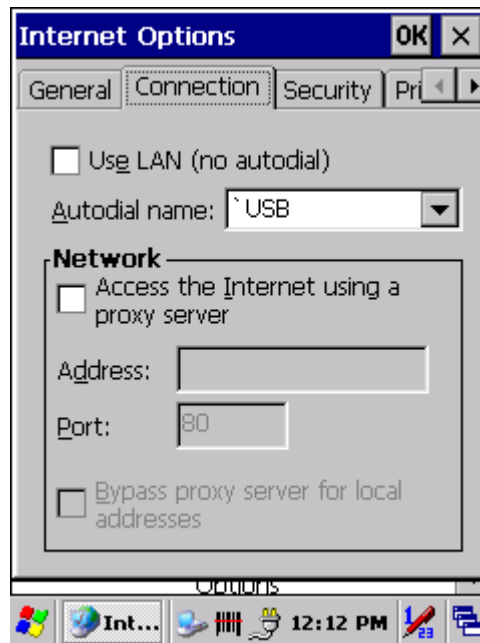


Figure 3-30 Internet Settings



Figure 3-31 Internet Settings

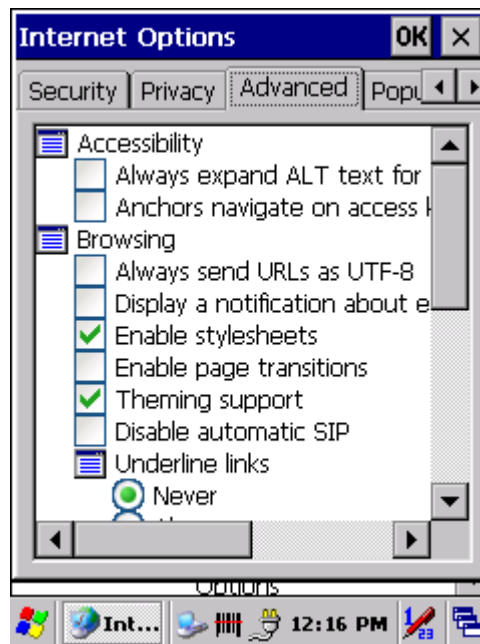


Figure 3-32 Internet Settings

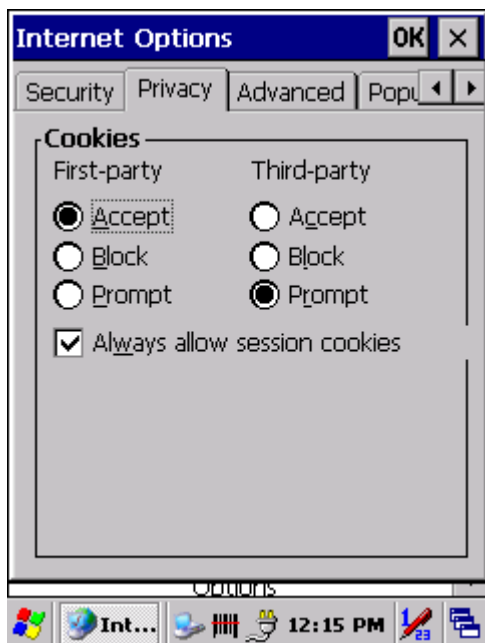


Figure 3-33 Internet Settings

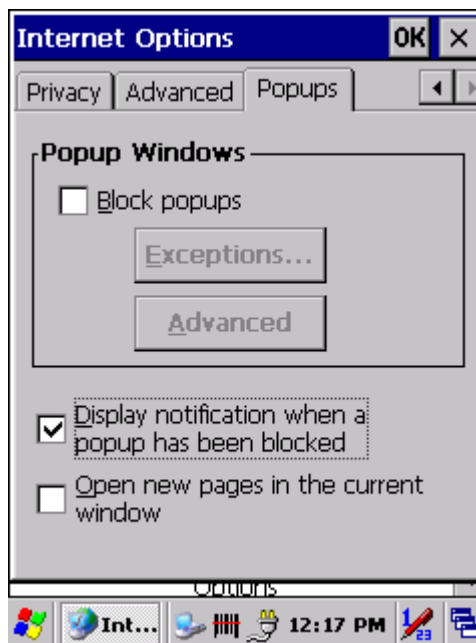


Figure 3-34 Internet Settings



### 3.2.9 Keyboard


ICON	ITEM & FUNCTION
 Keyboard	<ul style="list-style-type: none"> <li>● <b>“Repeat” Tab</b> :( <b>Figure 3-35</b>)</li> <li>✓ To change the amount of time between depressions before repetition starts, adjust the <b>Repeat delay</b> slider</li> <li>✓ To change the repeat rate, adjust the <b>Repeat rate</b> slider.</li> <li>✓ Test your new setting.</li> <li>✓ Tap <b>“OK”</b> to exit the <b>“Keyboard”</b> Tab.</li> </ul>

Table 3-12 Keyboard

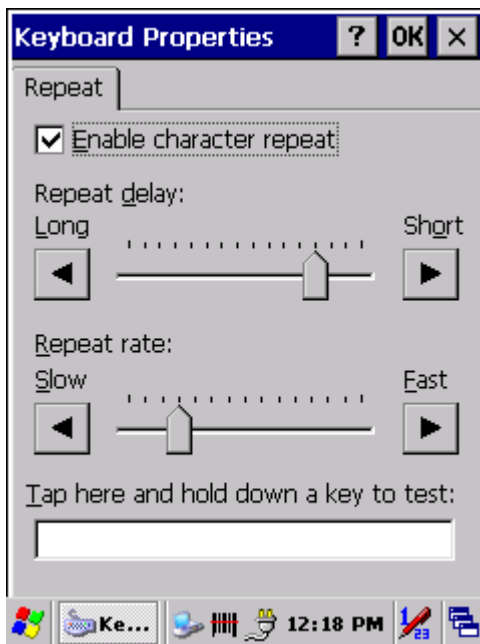



Figure 3-35 Keyboard Properties

### 3.2.10 Network and Dial-up Connections

ICON	ITEM & FUNCTION
 <p>Network and Dial-up Co...</p>	<ul style="list-style-type: none"> <li>● <b>“Connection” Tab : ( Figure 3-36)</b></li> </ul> <hr/> <ul style="list-style-type: none"> <li>✓ To create a <b>“Dial-up Connection”</b>: <ul style="list-style-type: none"> <li>➤ Double-tap the <b>“Make New connection”</b>.</li> <li>➤ In the <b>“Make New Connection”</b> dialog box, enter a name for the connection.</li> <li>➤ Select <b>“Dial-Up Connection”</b>.</li> <li>➤ Select the <b>“Next”</b> button.</li> <li>➤ Select the modem you want use.</li> <li>➤ Select <b>“Configure”</b></li> <li>➤ Under <b>“Connection Reference”</b>, use the default settings provided. If you can’t connect using these settings, see your ISP or network administrator for specific information. If you want to always enter a phone number before connecting, Select <b>“Manual Dial”</b>. Select <b>“OK”</b>.</li> <li>➤ Select <b>“TCP/IP Settings”</b>. In the <b>“General”</b> tab, ensure <b>“Use Server-assigned IP address”</b> is selected. In the <b>“Name Servers”</b> tab, ensure <b>“Use Server-assigned addresses”</b> is selected, and select <b>“OK”</b>. If you are unable to connect with these default settings, see your ISP or network administrator for specific TCP/IP information.</li> <li>➤ Select the <b>“Next”</b> button and type the telephone number.</li> <li>➤ Select the <b>“Finish”</b> button.</li> </ul> <p>The connection you just created appears as an icon in the <b>“Network and Dial-up Connections”</b> folder.</p> </li> <li>✓ Set up a <b>point-to-Point Protocol(PPP)</b> account with an ISP and obtain the following information: <ul style="list-style-type: none"> <li>➤ Access telephone number</li> <li>➤ User name</li> <li>➤ Password</li> </ul> </li> </ul>

Once you have established an account, create a new connection on your device. When creating this connection, you should be able to use all of the default TCP/IP settings provided in the Make New Connection Wizard. If you can't connect using the default settings, contact your ISP or access your ISP's Web site for specific TCP/IP information as well as primary and secondary DNS address.

- ✓ **Modify connection setting**
  - Select **Start > Settings > Network and Dialup Connections**
  - Select the icon for connection settings you want to modify.
  - Select **File > Properties**, or double- tap the appropriate icon.
  - Select desired options. There may be additional settings that depend on the connection. To modify, select the icon and select the icon and select **Advanced Settings...** from the menu.

Table 3-13 **Network and Dial-up Connections**



Figure 3-36 **Network and Dial-up Connections**

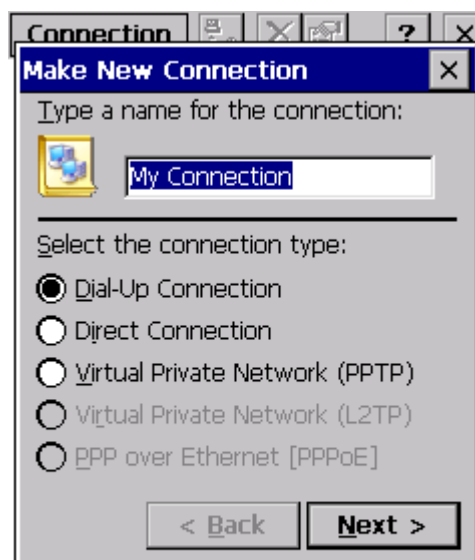


Figure 3-37 **Network and Dial-up Connections**

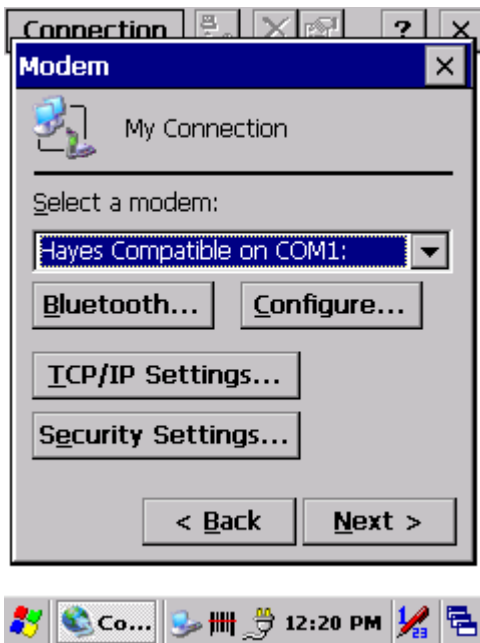


Figure 3-38 Network and Dial-up Connections

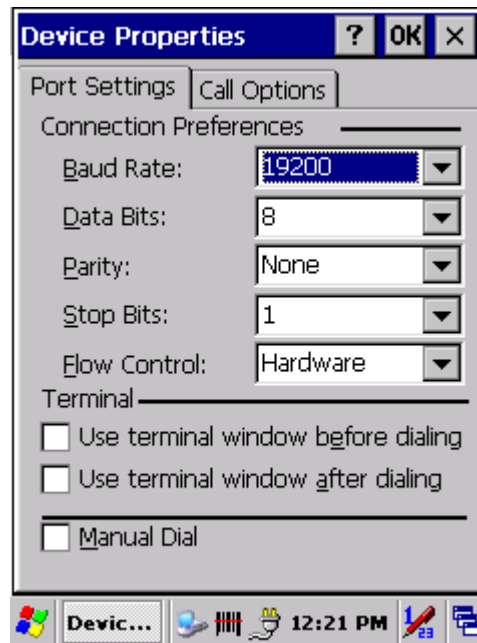


Figure 3-39 Network and Dial-up Connections

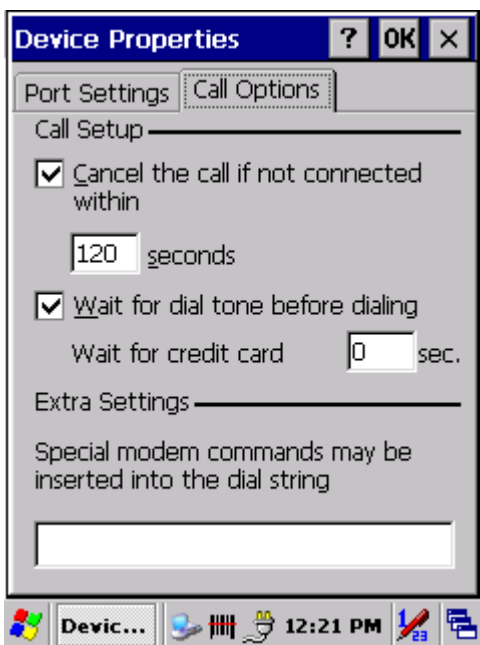


Figure 3-40 Network and Dial-up Connections



Figure 3-41 Network and Dial-up Connections

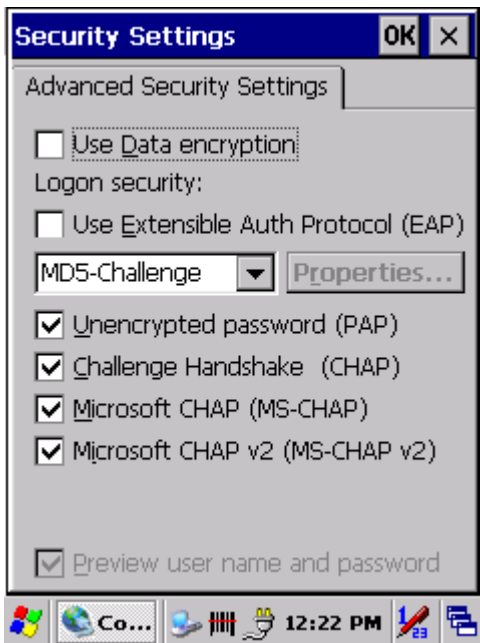


Figure 3-42 Network and Dial-up Connections

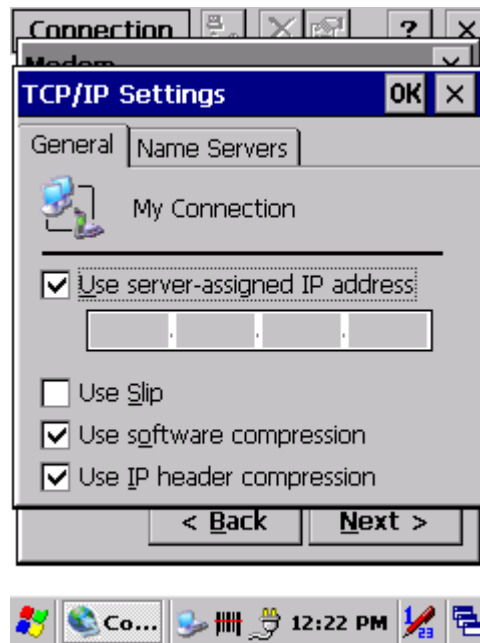


Figure 3-43 Network and Dial-up Connections

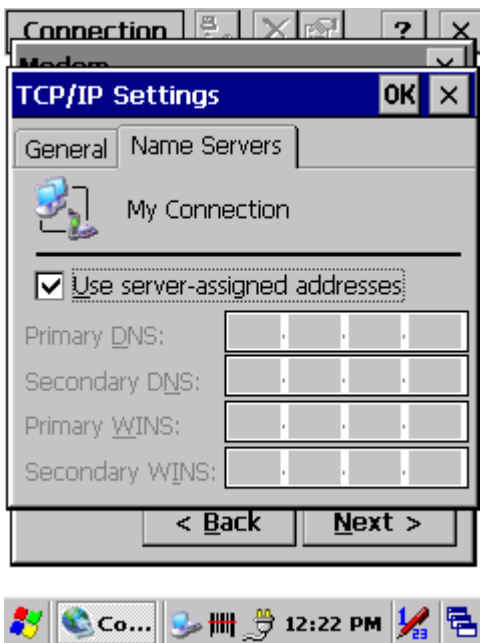


Figure 3-44 Network and Dial-up Connections

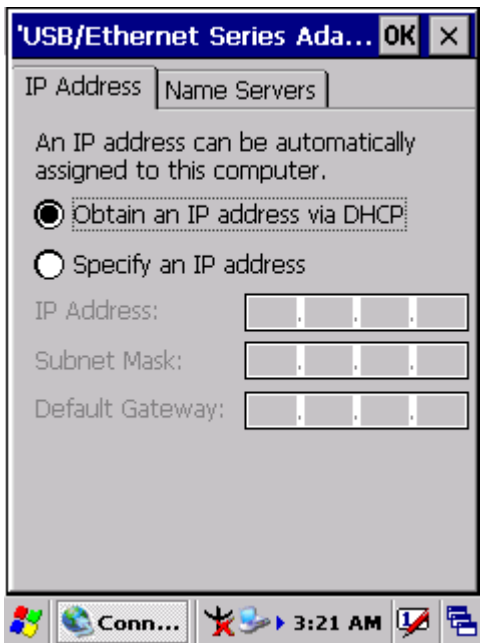


Figure 3-45 Network and Dial-up Connections

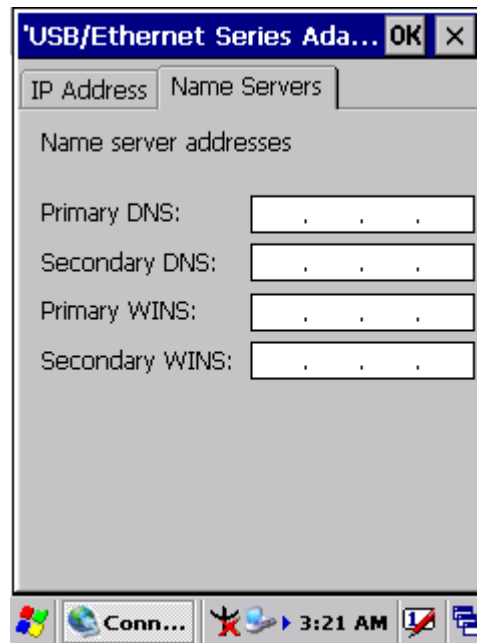


Figure 3-46 Network and Dial-up Connections

### 3.2.11 Owner


ICON	ITEM & FUNCTION
 Owner	<ul style="list-style-type: none"> <li>● <b>“Identification” Tab : (Figure 3-47)</b> <ul style="list-style-type: none"> <li>✓ Fill in or edit the data as desired.</li> <li>✓ To have this information displayed when you start your device, select <b>“Display Owner Identification”</b> at Power On.</li> <li>✓ To set up identification for remote networks, see Setting up identification for remote networks.</li> </ul> </li> <li>● <b>“Network ID” Tab: (Figure 3-48)</b> <ul style="list-style-type: none"> <li>✓ Enter the user name, password, and domain name you use to log on to remote network.</li> </ul> </li> </ul>

Table 3-14 Owner



Figure 3-47 Owner Properties

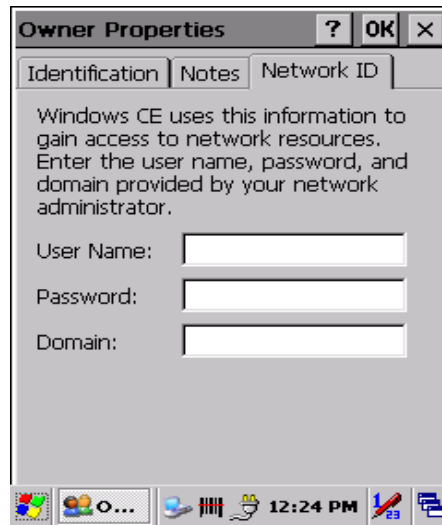


Figure 3-48 Owner Properties

### 3.2.12 Password


ICON	ITEM & FUNCTION
 Password	<ul style="list-style-type: none"> <li>● <b>“Password Setting” Tab : (Figure 3-49)</b></li> <li>✓ Enter the password</li> <li>✓ In the <b>“Confirm password”</b> box, enter the password again.</li> <li>✓ To require the password on startup, select <b>“Enable password protection at power- on”</b>. and/or select <b>“Enable password protection for screen saver”</b></li> <li>✓ To exit the <b>Password</b> control panel, press <b>“OK”</b> from the control bar, or press the <b>&lt;Enter&gt;</b> key on the keypad.</li> </ul>

Table 3-15 Password



Figure 3-49 Password Properties

### 3.2.13 PC Connection


ICON	ITEM & FUNCTION
 <p>PC Connection</p>	<ul style="list-style-type: none"> <li>• <b>“PC Connection” Tab : (Figure 3-50)</b> <ul style="list-style-type: none"> <li>✓ Select the first checkbox to enable direct connections to the desktop computer. (Figure 3-50)</li> <li>✓ Tap the <b>“Change Connection...”</b> button to modify the connection method from <b>USB</b> or <b>Serial</b>. (Figure 3-51)</li> <li>✓ To exit the <b>“Change Connection”</b> dialog, press <b>“OK”</b> from the control bar, or press the <b>&lt;Enter&gt;</b> key on the keypad.</li> <li>✓ To exit the <b>“PC Connection”</b> properties control panel, press <b>“OK”</b> from the control bar, or press the <b>&lt;Enter&gt;</b> key on the keypad.</li> </ul> </li> </ul>

Table 3-16 PC Connection

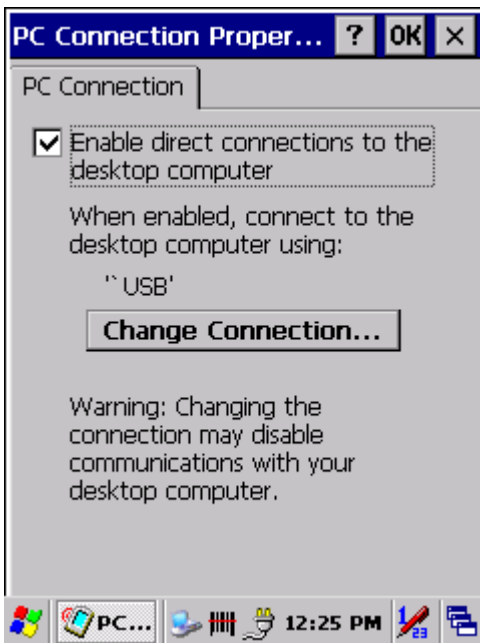


Figure 3-50 PC Connection

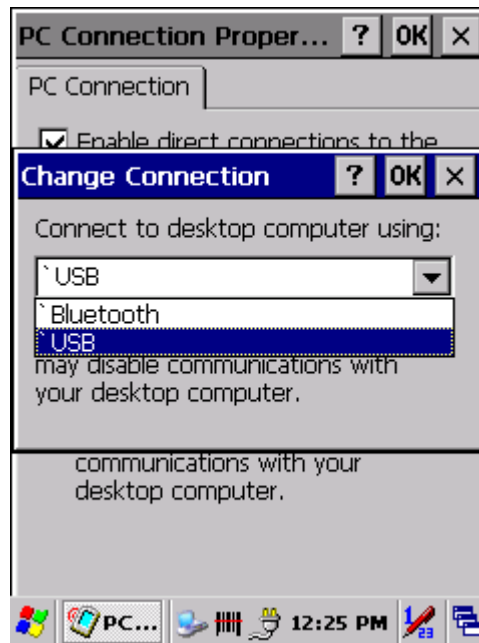


Figure 3-51 PC Connection



### 3.2.14 Power




ICON	ITEM & FUNCTION
 Power	<ul style="list-style-type: none"> <li>● <b>“Battery” Tab : (Figure 3-52)</b></li> <li>✓ Provide change level indicators for <b>Main battery</b> and <b>Backup battery</b>.</li> <li>✓ Provide remaining power capacity of main battery.</li> <li>✓ If a “Main Batteries very Low” warning message shows, the remaining battery life is around 30 minutes before PDT shuts down. ( <b>Figure 3-56</b>)</li> <li>✓ The PDT will shutdown if the main batteries capacity is around <b>0%</b></li> <li>✓ To exit Battery control panel, press “<b>OK</b>” from the command bar, or press &lt;<b>Enter</b>&gt; key on keypad.</li> </ul> <hr/> <ul style="list-style-type: none"> <li>● <b>“ Schemes” Tab: (Figure 3-53)</b></li> <li>✓ The <b>Scheme</b> Tab allows you to determine the time to switch state to Suspend mode when using either <b>Battery Power</b> or <b>AC Power</b>.</li> <li>✓ Select <b>Battery Power</b> or <b>AC Power</b> as the power scheme from the pull-down list.( <b>Figure 3-53</b>)</li> <li>✓ Select the time to suspend mode from the pull-down list. ( <b>Figure 3-54</b>)</li> </ul> <hr/> <ul style="list-style-type: none"> <li>● <b>“Device Status” Tab: ( Figure 3-55)</b></li> </ul> <p>Provide power level of the device – The power level ranges from “ <b>High(D0)</b>” which means the device is at the highest power level to “<b>Off(D4)</b>” which means the device is at the lowest power level.</p>
<b>Note:</b>	
	This ICON inside the Task Bar shows that AC adapter provides power to the PDT
	The ICON inside the Task Bar shows that AC adapter provides the power to the PDT and is charging the main batteries..

Table 3-17 Power

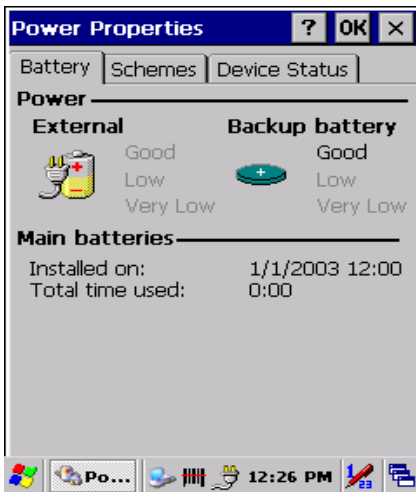


Figure 3-52 Power

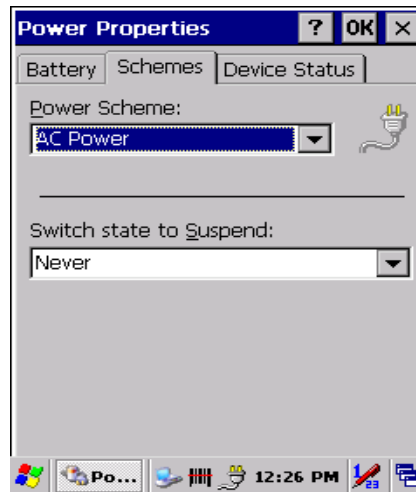


Figure 3-53 Power

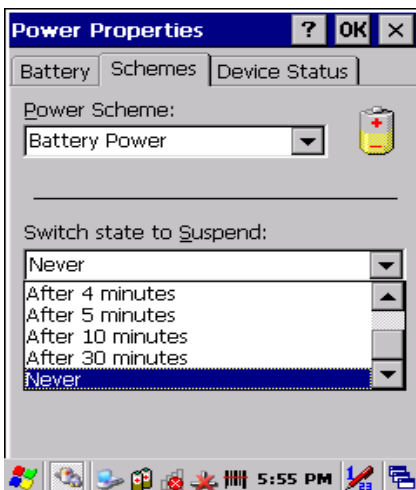


Figure 3-54 Power

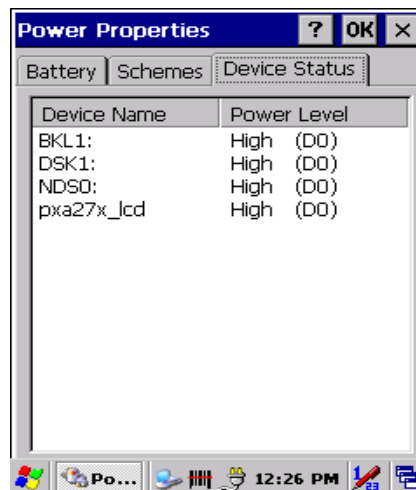


Figure 3-55 Power

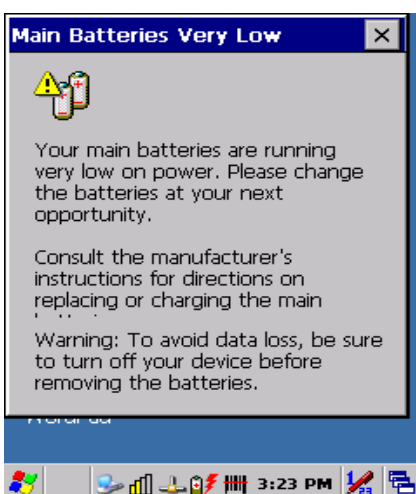


Figure 3-56 Power

### 3.2.15 Regional Settings


ICON	ITEM & FUNCTION
 Regional Settings	<ul style="list-style-type: none"> <li>● <b>“Region” Tab : (Figure 3-57)</b></li> <li>✓ Select the desired location/language.</li> <li>✓ Review the <b>Appearance samples</b> in the bottom half of the screen.</li> <li>✓ Select the Tab at the top for any settings you wish to change, Options to modify include <b>Number, Currency, Time, and Date.</b></li> </ul>

Table 3-18 Regional Settings

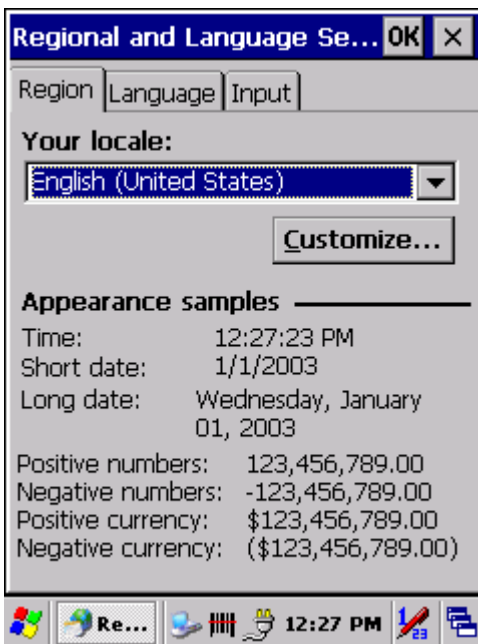


Figure 3-57 Regional Settings

### 3.2.16 Remove Programs


ICON	ITEM & FUNCTION
 Remove Programs	<ul style="list-style-type: none"> <li>● <b>“Remove Programs” Tab :</b></li> <li>✓ Only user installed programs can be removed.</li> <li>➤ Select the program you wish to remove from the list and press <b>“remove”</b> button.</li> </ul>

Table 3-19 Remove Programs

### 3.2.17 Stylus


ICON	ITEM & FUNCTION
 Stylus	<ul style="list-style-type: none"> <li>● <b>“Double-Tap” Tab : (Figure 3-58, Figure 3-59)</b></li> <li>✓ Double-tap the checkerboard grip at a comfortable speed.</li> <li>✓ Double-tap clapboard to test your settings.</li> <li>✓ The function is OK if the figures are changed from Figure 3-59 to Figure 3-60.</li> <li>✓ To tap <b>“OK”</b> to exit the Stylus Properties.</li> <li>● <b>“Calibration” : (Figure 3-60, Figure 3-61)</b></li> <li>✓ In the Welcome Wizard, you tapped a target with the stylus to set the amount of pressure needed for the screen to respond to your stylus taps.</li> <li>✓ Please also see <b>2.4.3 Calibration of the touch Screen</b></li> </ul>

Table 3-20 Stylus

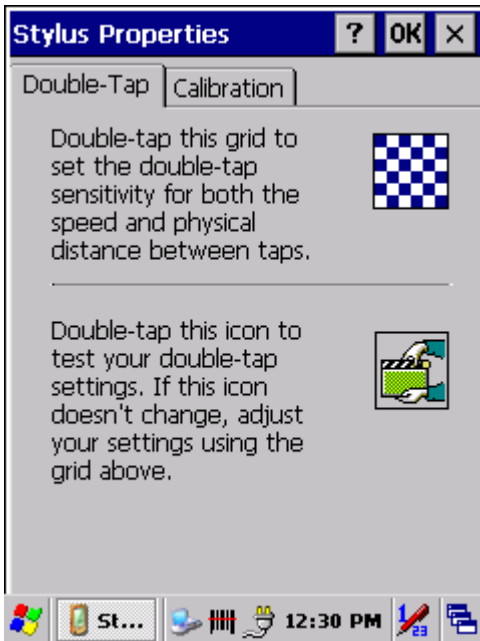


Figure 3-58 Stylus Properties

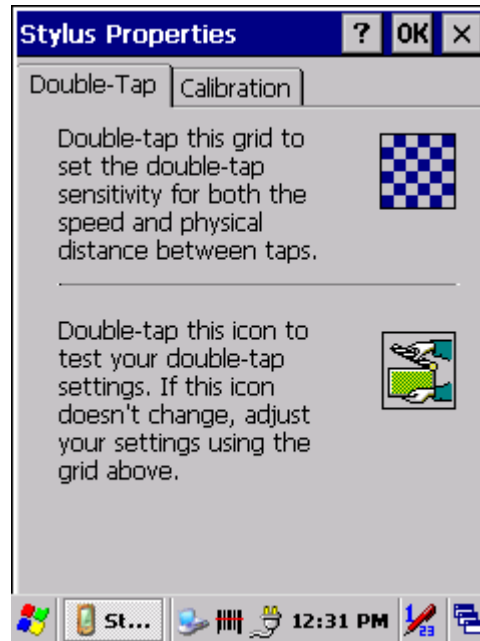


Figure 3-59 Stylus Properties



Figure 3-60 Stylus Properties

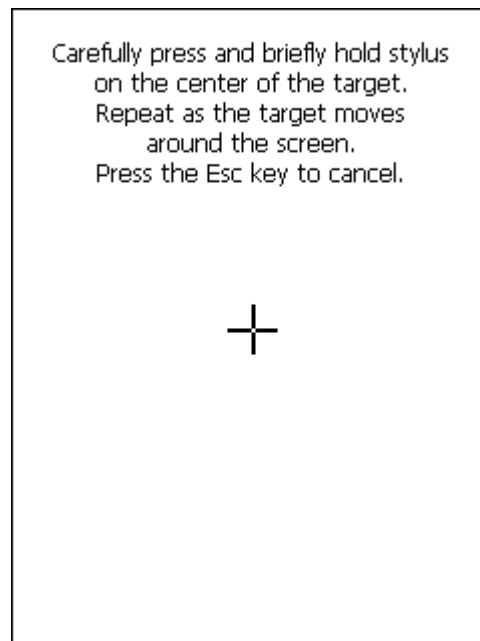


Figure 3-61 Stylus Properties

### 3.2.18 System


ICON	ITEM & FUNCTION
 System	<ul style="list-style-type: none"> <li>● <b>“General” Tab : (Figure 3-62)</b></li> </ul>
	<ul style="list-style-type: none"> <li>✓ To show:               <ul style="list-style-type: none"> <li>➤ Firmware information</li> <li>➤ Information about Processor type, Memory size, Expansion card</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>● <b>“Memory” : (Figure 3-63)</b></li> </ul>
	<ul style="list-style-type: none"> <li>✓ Move the slider to adjust memory allocation. Default storage memory is normally set to about 8MB with the remainder assigned to Program memory.</li> <li>✓ Press the <b>“OK”</b> key on the Keypad.</li> </ul> <p><b>Note: the difference is occupied by OS between the RAM size in Information properties and total memory size of storage memory and program memory</b></p>
	<ul style="list-style-type: none"> <li>● <b>“Device Name” Tab : (Figure 3-64)</b></li> </ul>
<ul style="list-style-type: none"> <li>✓ Your device uses this information to identify itself to other computers.</li> <li>✓ The input panel will open to facilitate data entry.</li> <li>✓ To close the <b>Device Name</b>, press the <b>“OK”</b> button, or press the <b>&lt;Enter&gt;</b> key on keypad.</li> </ul>	
<ul style="list-style-type: none"> <li>● <b>“Copyrights” Tab: (Figure3-65)</b></li> </ul>	
<ul style="list-style-type: none"> <li>✓ Refer to this tab for specific copyright data. As a user, you are responsible to read this statement.</li> </ul>	

Table 3-21 System



Figure 3-62 System Properties

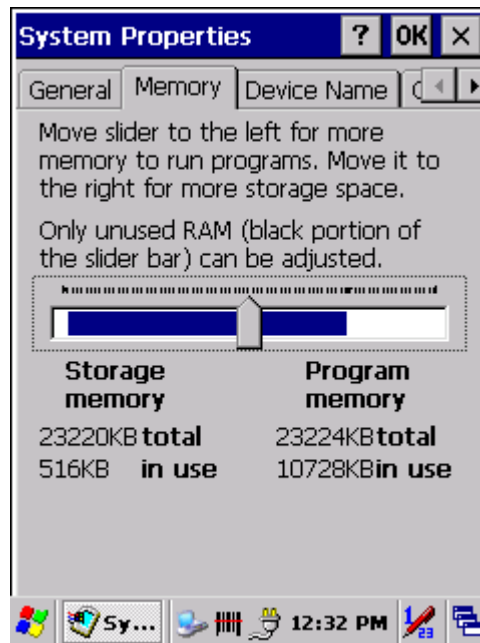


Figure 3-63 System Properties



Figure 3-64 System Properties

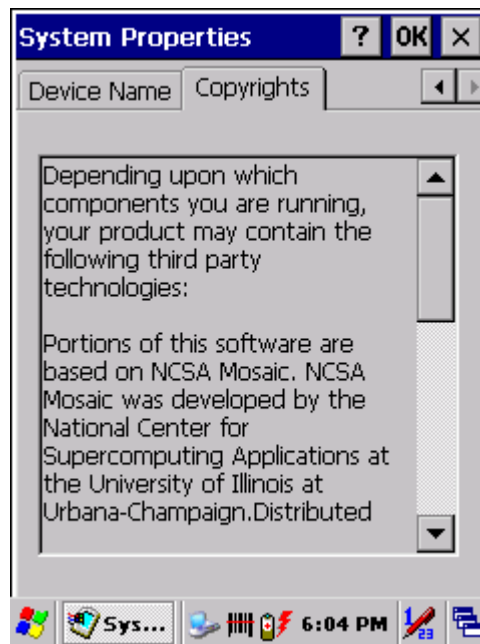


Figure 3-65 System Properties

### 3.2.19 Volume & Sounds Properties


ICON	ITEM & FUNCTION
 Volume & Sounds	<ul style="list-style-type: none"> <li>• <b>“Volume” Tab : (Figure 3-66)</b></li> </ul>
	<ul style="list-style-type: none"> <li>✓ The factory default for Volume is the forth level. You can adjust the volume to your environment and comfort.                             <ul style="list-style-type: none"> <li>➢ Set the volume by adjusting the slider from <b>Soft</b> to <b>Loud</b>, or press <b>Right</b> or <b>Left</b> edge of <b>Navigation</b> keys</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>“Sounds ” Tab: (Figure3-67)</b></li> </ul>
	<ul style="list-style-type: none"> <li>✓ Enable the desired sounds for key clicks, screen taps, notifications, and applications.</li> </ul>

Table 3-22 Volume & Sound

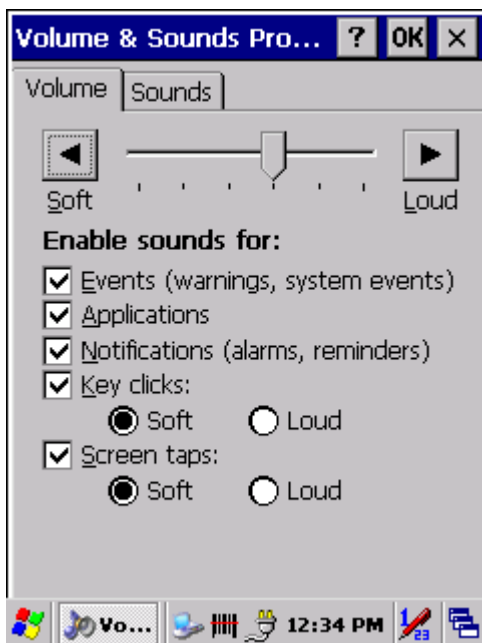


Figure 3-66 Volume & Sound

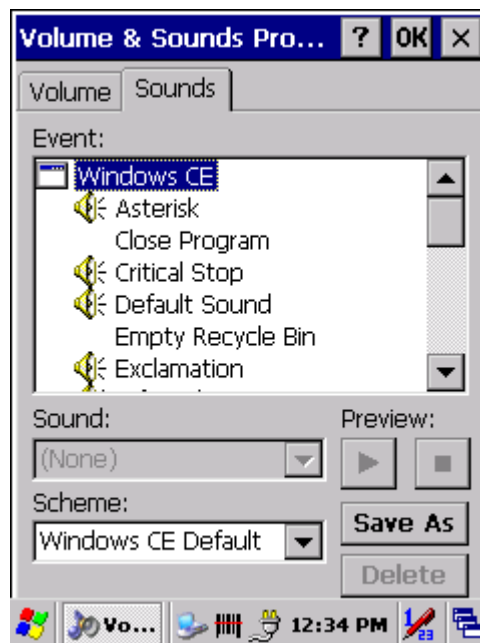


Figure 3-67 Volume & Sound



### 3.3 Taskbar and Start Menu

ICON	ITEM & FUNCTION
Taskbar and Start Menu	<ul style="list-style-type: none"> <li>● <b>“General” Tab :</b></li> </ul>
	<ul style="list-style-type: none"> <li>✓ In this tab, You can change the position of the Taskbar and Start menu                             <ul style="list-style-type: none"> <li>➤ <b>Is always on top</b> or not</li> <li>➤ <b>Auto hide</b> or not</li> <li>➤ <b>Show Clock</b> or not</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>● <b>“Advanced ” Tab:</b></li> </ul>
	<ul style="list-style-type: none"> <li>✓ Tap the <b>“Clear”</b> button to remove the contents of the Documents Menu.</li> <li>✓ Enable <b>“Expand Control Panel”</b> to list all icons of Control Panel from top to bottom.</li> </ul>

Table 3-23 Taskbar and Start menu

## Chapter 4. Communication

### 4.1 Installing & Setting Up Microsoft ActiveSync

#### 4.1.1 Installing Microsoft ActiveSync on the Host PC

Microsoft ActiveSync is a file transfer tool to synchronize the files on a PC with the files on your PDT.

To install Microsoft ActiveSync, complete the following steps on the PC:

1. Go to the Microsoft website [www.microsoft.com](http://www.microsoft.com). In the search field, search for "active sync". Download the latest current version of ActiveSync.
2. Install the latest version of Microsoft ActiveSync on the host PC.
3. Open ActiveSync.
4. Select **File > Communication Settings** from ActiveSync's menu bar.
5. Go to "**Using ActiveSync**" on page 4-1 to continue using ActiveSync.

#### 4.1.2 Connecting PDT to Host PC

1. You can use the USB port from the CRD-15 cradle to the Host PC.
  - To use the cradle, you must first insert the PDT into the slot, making sure that the unit is firmly seated the cradle.
  - To use the cable, connect the USB cable to the CRD-15 cradle.
2. Connect the USB cable to the Host PC's USB port.
3. Connect the cradle to the power adapter and power source.

### 4.2 Using ActiveSync

Use ActiveSync to transfer and synchronize files between the PDT with cradle and the Host PC.

#### 4.2.1 Setting up a Partnership

During the Microsoft ActiveSync installation, you were prompted to create a partnership with your mobile device. When you set up a partnership, you select synchronization and file conversation settings, which are contained in a file on your desktop computer. This file enables your desktop computer to recognize your device. Only devices that have a partnership with a desktop computer can synchronize information between the two computers. For more information on partnerships, please refer to your Microsoft ActiveSync documentation or help file.

## Transferring Files:

To transfer files, complete the following steps on the host PC:

- ✓ Select **Start > Programs > Communication > USB ActiveSync**.
- ✓ Double-click on the selected **ActiveSync** icon
- ✓ After you have established a connection with PDT, tap the “**Explore**” button at the top of the **ActiveSync** window (or select **Explore** from the File menu).
- ✓ Navigate to the target directory on your PDT and copy the desired file by using the **Copy/paste** method or dragging and dropping the desired file(s) into the folder.

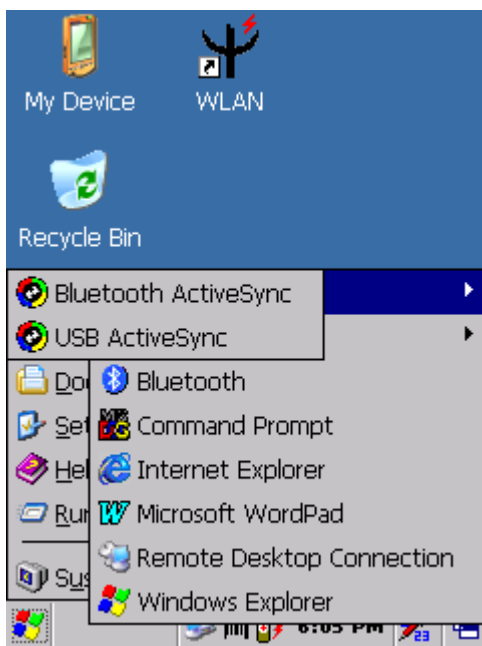


Figure 4-1 **Communication**

### 4.2.2 ActiveSync File Synchronization

ActiveSync files synchronization requires an ActiveSync partnership between the PDT and the Host PC. Refer to “Setting up a Partnership”, above:

- ✓ Select the files in the synchronization configuration for the PDT partnership.
- ✓ Select **Tools > Options** from the ActiveSync command bar to configure the synchronization options.
- ✓ Place the file to be synchronized in the **Synchronization** folder created you're **My Documents** directory. Defaults to the desktop. During the ActiveSync connection, all files in the **Synchronization** folder will be synchronized to the **My Documents** directory on the PDT.

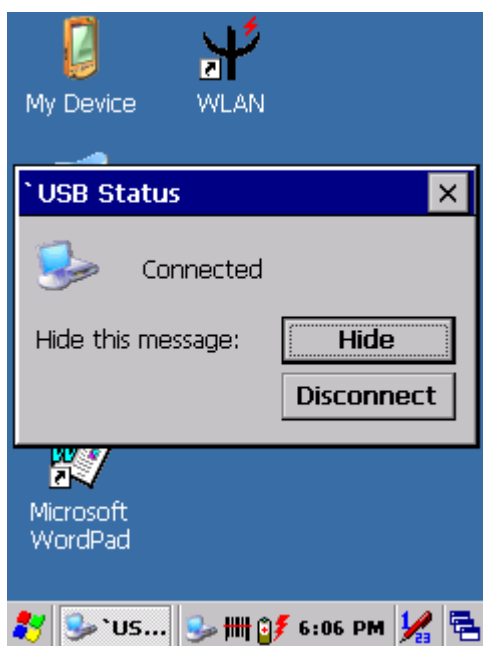


Figure 4-2 Connected

### 4.3 Networking

Please see the **3.2.11 Owner, Table 3-14 Owner** on page 3-24 for **setting up the network ID**. And see the **2.5.6 Setting Up Wireless LAN RF** to setup the 802.11b/g Wireless LAN for RF connecting.

## Chapter 5. Software Applications

### 5.1 Introduction

The PDT includes several applications for example Calculator, email, etc. You can switch to any software application by tapping the Start Menu.

### 5.2 Software Applications

#### 5.2.1 Calculator

It can be used for basic calculations with “+”, “-”, “\*” and “/”.

✓ **Procedure:**

- Tap numeric number
- Tap one operator “+”, “-”, “\*” or “/”
- Then, tap another numeric number
- Tap another operator or numeric number if needed
- Tap “=” to get result

✓ **Button Function:**

- **“MC”** – Memory Clear : clear the memory
- **“MS”** – Memory Store : store the displayed value to memory
- **“MR”** – Memory Recall : Display the most recent stored value
- **“M+”** – Add stored numeric number into the displayed numeric value.
- **“Backspace”** – Same as “backspace” key
- **“CE”** – Clear current keying numeric number. Same as “Delete” key
- **“C”** – Clear the current calculation. Same as “ESC” key.

#### 5.2.2 Inbox

Use **Inbox** to send and receive e-mail messages in the following ways:

- ✓ Synchronize e-mail messages with Microsoft Exchange or Outlook on the Host Computer.
- ✓ Send and receive e-mail messages by connecting directly to an e-mail server through an Internet server provider (ISP) or a network.

To setup **“Inbox”**:

- ✓ Select **Start> Programs> Inbox** to open it.
- ✓ Select **Service> Options** from the command bar. Drag the dialog to show the right edge to configure e-mail.
- ✓ Select **“Add...”** (Note 1)

- ✓ In the “**Service Type**” list, select **POP3 Mail** or **IMAP4 Mail**. (**POP3** is the most common mail protocol for ISPs). Enter a unique name for e-mail service in the “**Service name**” field. This name cannot be changed later.
- ✓ Select “**OK**”.
- ✓ The Mail Service Setup wizard appears after you add a service. If you are adjusting the setting of an existing service, select **Service> Options**, select the service you are using, and then **Properties**. In the **Service Definition** dialog box, complete the following entries as needed:
  - **Connection**: Select the name of the connection you created to connect to the mail server. If you are receiving e-mail through a network(Ethernet) connection, select **Network Connection**. If you want Inbox to use your current connection, select (**none**). If you have not created a connection, select **Create new connection**. Double-tap the “**Make new Connection**” icon, and follow the instructions in wizard. When finished, select Inbox in the Taskbar and continue setting up Inbox.
  - **POP3 Host**(POP3 only): Enter the name of the mail server you use to receive and send messages.
  - **Server**(IMAP4 only): Enter the name of the mail server you use to receive and send messages.
  - **User ID**: Enter the user name or mailbox ID assigned to you.
  - **Password**: Enter the password you use to access this mail account. If you do not want to be prompted to enter the password each time you connect, select “**Save password**”.
  - **Domain(Windows NT)**: Enter your Windows NT domain name. This name is required only when connecting to networks, such as a corporate network, that use Windows NT domain security. This is not required for most ISP accounts. If you have trouble connecting, try clearing this box.
  - **SMTP Host**: If your mail service uses a separate server for SMTP, enter the name in the box. If you're setting up a POP3 Mail service with an ISP, the ISP must use an SMTP mail gateway.
  - **Return Address**: By default, the return address is set to *username@POP3host* or *username@Servername*. Depending on the service you are using. If this is not your e-mail address, enter the correct address in the box.
- ✓ **Set general preferences**:

If you are adjusting the setting of an existing service, select **Service> Options**, select the service you are using, select **Properties**, and then select **Next**. In the **General Preferences** dialog box, choose any of the following settings, all of which are optional:

  - **Disconnect service after actions are performed**: Select to automatically

disconnect from the server upon completion of all pending actions. This option minimizes connect time and cost.

- **Check for new messages every:** select the time interval(in minutes) at which you want the device to check for new mail. If this option is turned off, you must check for new mail manually by selecting **Services> Send/Receive Mail**.
- **Display a message box when new mail arrives** (POP3 only): Select to be informed that new mail has arrived.
- **Display a message box when new mail arrives** (IMAP4 only): Select to be informed that new mail has arrived.
- **Send using MIME format** (POP3 only): Select to send messages with extended characters.
- **Only display messages from last 3 days:** Select how many day's messages you want downloaded.

#### ✓ **Set inbox preferences**

If you are adjusting the settings of an existing service, select **Services> Options**, select the service you are using, select **Properties**, and then select **New** twice. In the **Inbox Preferences** dialog box, choose any of the following options:

- **Get message headers only:** Select to save storage space and time by downloading only headers. You can download a full copy of the message later by selecting the message and then **Services> Get Full Copy**.
- **Include <number> lines:** Select to set the message length (approximate number of lines) that you want to download.
- **Get Full Copy of messages:** Select to receive a full copy of all messages. In addition to the message body, any options you select in **When getting full copy** will be downloaded. Selecting this option increases the amount of time needed to download messages.
- **Only synchronize folder hierarchy under Inbox** (IMAP4 only): Select to speed download time by preventing the complete downloaded of the folder list every time you connect.
- **Get meeting requests** (POP3 only): Select to download and store copies of meeting requests when getting full copies of messages. This setting applies whether you have chosen to download full copies of messages by default, or you selectively download full copies of messages by opening the message and selecting **Services> Get Full Copy** Limitations apply.
- **Get file attachments** (POP3 only): Select to download and save message attachments when getting full copies of messages. This option may use significant RAM and slow download time. This setting applies whether you have chosen to

download full copies of messages by default, or if you selectively download full copies of messages and selecting **Services> Get Full Copy**.

- **Get file attachments and meeting requests** (IMAP4 only): Select to download and store meeting requests and message attachments when getting full copies of messages. This setting applies you have chosen to download full copies of messages by default, or if you selectively download full copies of messages by opening the message and selecting **Services> Get Full Copy** Limitations apply.
- **Only if small than** (IMAP4 only): Select to restrict the size of the attachments you download. Set to 10K if you want to receive meeting requests only.

✓ **Include the original message in a reply:**

- Select **Services> Options> Compose** tab.
- Under **Reply**, select **Include Body**. This setting will place a copy of the original message beneath your response text.
- To indent the original message, select **Indent**.
- To add leading characters (such as>) to the original message lines, select **Add leading character**, and enter the character you want.

✓ **Save copies of sent messages:**

By default, sent messages are not saved on your device.

- Select **Services> Options> Compose** tab.
- Select **Keep copy of sent mail in Sent folder**.

✓ **Set the action to follow deleting, moving, or responding to a message:**

- Select **Services> Options > Read** tab.
- Select desired options.

✓ **Delete a message:**

Select the message and select **File> Delete**. Messages are moved to Deleted (local) folder and deleted according to the option you have selected in **Services> Options> Delete** tab:

- **On connect/disconnect:** Deletes messages when you connect or disconnect from your mail service or exit Inbox.
- **Immediately:** Deletes messages as soon as you select **File> Delete**.
- **Manual:** Deletes messages when you select **File> Empty Deleted (local)**

**Note:** If you are working offline, messages that have been deleted from the device the next time you connect.



✓ **Empty the Deleted (local) folder:**

- **Select File> Empty Deleted (local).** This permanently deletes messages in the Deleted (local) folder.
- To check or adjust the current settings for deleting messages, select **Services> Options> Delete** tab.

✓ **Move or copy a message:**

**Caution:** When you move a message that you have received through POP3 or synchronization to a folder you created on your device, the copy of the message on the server is deleted. This prevents duplicate copies of messages. Although the complete message is moved, message attachments will be deleted if you have not selected the option to download attachments. Once the message is moved, you will be able to access the message only from your device.

- Select the message
- Select **File> Move To** or **File> Copy To**.
- Select the destination folder. If you are working offline, the message will be moved or copied from the server the next time you connect.

✓ **Folder-**

◆ **Create a folder:**

- Select **File> Folder> New Folder**
- Type a name for the folder.

◆ **Delete a folder:**

- Select the folder you want to delete
- Select **File> Delete**

◆ **Designate a folder as offline:**

Only IMAP4 folders can be designated as offline. All IMAP4 default folders, such as Inbox, are automatically designated as offline. Messages in offline folders can be viewed when you are disconnected from your mail server. If a folder is not designated as offline, you will be able to read and respond to messages in that folder only when connected to the server.

- To designate a folder as offline, select the folder and then select **Service > Offline Folder**.
- ◆ **Rename a folder:**
- Select the folder you want to rename.

- Select File> Folder> Rename Folder.
- Type the new name for the folder.

**Notes:**

- Default folders, such as Inbox, can't be renamed.
- Folders you create for IMAP4 mail servers can't be renamed.

**◆ Synchronize folders while connected:**

When you synchronize folders, the contents of your device folders and mail server folders are compared and updated. New mail messages are downloaded, and messages in your device Outbox folder are sent. The synchronization behavior depends on how you connect to your mail server.

- When you connect to a POP3 server, the Inbox and Outbox folders on your device are synchronized with the corresponding folders on the mail server. To synchronize after the initial connection, select **Services> Send/Receive Mail**.
- When you connect to an IMAP4 server, Inbox, Outbox, and all folders marked as offline are synchronized. To synchronize all folders after the initial connection, select **Services> Synchronize Folders**. To synchronize just the selected folder and the Outbox folder, select **Services> Send/Receive Mail**.

**✓ Compose and send a message:**

- In list view, select **Compose> New Message**
- Enter the address of one or more recipients, separating them with a semicolon. If the recipient is listed in the Address Book, enter a few letters of the recipient's name and select **Compose> Check Name**. If there is only one match, the e-mail address is inserted. If there is more than one match, select the correct address from the **Choose E-mail Recipients** dialog box. If there is no match then add a new e-mail address through **Choose E-mail Recipients**.
- To attach a file, select **File> attachments> Add Attachment**.
- Select **File> Send**. If you are working offline, the message is moved to the Outbox folder and will be sent the next time you connect.

**Tip:** to see more header information, select the triangle in the lower-right corner of the header area. Select the triangle again to collapse the header area.

**✓ Save a message:**

- Select File> Save to save the message you are composing or editing.

The message is not sent and is saved in the inbox folder of the active service.

**✓ Reply to or forward a message:**

- Open the message, and then select **Compose> Reply to Sender, Reply to All, or**

**Forward.**

- Enter your response.
- Select **File> Send**.

**Tips:**

- Selections in the Options dialog box determine whether the original text is included.
- To see more header information, select the inverted triangle in the lower-right corner of the header area. Select the triangle again to collapse the header area.

✓ **Check Inbox status:**

- In list view, select **Compose> Status**. You can view details such as the number of messages to be sent, deleted, and copied, and the number of attachments to be downloaded.

✓ **Download message from the server:**

When you download messages, you need to create two connections: a remote connection and a mail server connection. The remote connection connects you and your ISP or network. The mail server connection downloads messages from your mail server to Inbox on your device. When you select **Services> Connect** in Inbox, Inbox starts a remote connection using the connection you specified when setting up the current mail service. If you are already connected through a remote connection other than the one you specified in the service, you will be asked if you want to use the current connection. If you choose not to, you will need to disconnect from the current connection before you can check for new messages.

- Select the **Services** menu and make sure that the service you want to use is selected (the selected service has a bullet next to it.)
- Select **Services> Connect**. The messages on your device and mail server are synchronized: new messages are downloaded to the device Inbox folder, messages in the device Outbox folder are sent, and messages that have been deleted on the server are removed from the device Inbox. Double-tap a message list to open it.
- If you read a message and decide that you need the full copy, select **File> Get Full Copy** while in the message window or **Services> Get Full Copy** while in list view. This will also download message attachments and meeting requests if you have those options selected in the **Inbox Preferences** dialog box. You can also choose to download full copies of messages by default.
- When finished, select **Services> Connect** to disconnect. You also need to disconnect your dial-up connection by double-tapping the icon in the status bar and selecting **Disconnect**.

**Notes:**

- Receiving entire messages consumes storage memory.
- The size column in the Inbox list view displays the local size and server size of a message. Even when a message has been downloaded fully, these numbers may differ because the size of a message can vary between the server and the device.
- When using IMAP4 to get Outlook + data, you will see the contents of your Journal folder. File editing transactions and documents (such as Task items, e-mail message, and Word documents) attached using drag and drop will appear as shortcuts on the device. A copy of the document will not be moved to your device, and the shortcut on the device cannot be used to access the documents associated with a journal entry to the device, attach the document to the entry rather than dragging and dropping it. Also, be sure to set your IMAP4 service to receive full copies of messages, attachments, and meeting requests. For more information on using Journal, see the Help for the desktop version of Outlook.

**✓ Working with Message Attachments:**

- If you receive messages through a remote mail server, in Inbox on the device, select the **Get file attachments and meeting requests (IMAP4)** or **Get meeting requests (POP3)** setting in the **Inbox Preferences** dialog box. For more information, see **Set Inbox preferences**.

**Notes:**

- Embedded images and OLE objects cannot be received as attachments
- Embedded messages can be viewed as an attachment when using IMAP4 to receive e-mail. However, this feature does not work if TNEF is enabled so that you can receive meeting requests.

**✓ Check attachments status:**

- An attachment sent with an e-mail message, whether it has been downloaded or not, will appear as an icon at the bottom of the message in its own window pane. If you don't see this pane, select **File> Attachments> Show Attachments**. If TNEF is turned on so you can receive meeting requests, you will not see attachments until they are fully downloaded.
- To mark an attachment for downloading in a POP3 or IMAP4 service, double-click it. The attachment will be downloaded the next time you connect. You can also set Inbox to download attachments automatically when you get a full copy of a message. For more information, see **Receive attachments**.

- ✓ **Open an attachment:**
    - With the message open, double-tap the attachment's icon at the bottom of the message. If you don't see this pane, select **File> Attachments> Show Attachments**.
  - ✓ **Store an attachment:**
    - Select **Service> Options> Storage** tab.
    - Select to store attachments on internal RAM or a storage card.
    - If you use more than one storage card, select it from the list.
- Note:** Once you make the above selection, all attachments will be moved to the selected card.
- ✓ **Delete an attachment:**
    - To delete an attachment from a message you are sending, select the attachment, and then select **Edit> Clear** or press the **DEL** key on the keypad.
    - To delete an attachment you have received, delete the message.
  - ✓ **Attach a file to a message:**
    - With the message open, select **File> Attachments> Add Attachment**.
    - Select the file you want to attach.

**Note:**

OLE objects cannot be attached to Inbox messages.

Note 1: To add a mail service, select "**Add**", To remove a mail service, select the service from the **Installed service** box and select "**Remove**". To view a mail service's properties, select the service from the **Installed service** box and then select **Properties**.

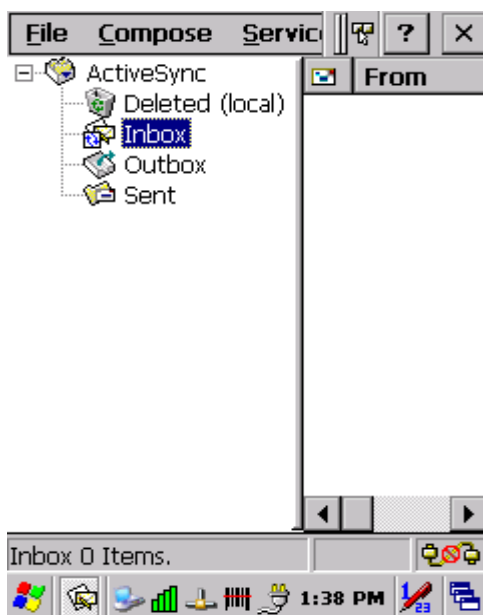


Figure 5-1 Inbox



Figure 5-2 Internet Explorer

### 5.2.3 Internet Explorer

With Internet Explorer, you can view Web or intranet Web pages on your device. You will need to use a modem or WLAN to connect to an Internet server provider (ISP) or network.

#### 5.2.3.1 Connect to the Internet

Before you can view Web pages, you must set up a remote connection to your ISP or network.

#### 5.2.3.2 Start Internet Explorer

- ✓ Open Internet Explorer by selecting **Start > Programs > Internet Explorer**.
- ✓ To get default home page, navigate to the desired default web page.
- ✓ Select **View > Internet Options** from the command bar.
- ✓ Enter the desired URL in the **Start page** field.
- ✓ Press the **OK** button.

#### 5.2.3.3 Navigation Control

Internet Explorer uses sliding menus for application and navigation control. Tap and drag the sliding menus to the left or right to see the hidden menu items and toolbars.

To achieve more screen real estate in Internet Explorer, you can hide the **Status** bar and **View** menu. From the top menubar, go to **View > Hide Toolbars**.

Once it is hidden, you must cold reset to access these features again. Refer to 2.7.2 “**Cold Reset**” for more information.

#### 5.2.3.4 Set up a proxy server

Proxy servers are often used when connecting to the Internet through a local network, such as a corporate network, for added security.

- ✓ Select **View > Internet Options > Connection** Tab.
- ✓ Select **Access the Internet using a proxy server**.
- ✓ Enter the proxy server address and port. For more information, see your administrator.
- ✓ To bypass the proxy server for local address, such as corporate intranet pages, select **Bypass proxy for local address**.

#### 5.2.3.5 Enable Cookies

A cookie file contains information about your identity and preferences so that a Web site can tailor information to your needs. The Web site sends the file and it is stored on your mobile device.

- ✓ Select **View > Internet Options > Security** Tab.
- ✓ Select **Allow cookies**.

#### 5.2.3.6 Search for an Internet Site

- ✓ Select **View > Go > Search** to search the web.

#### 5.2.3.7 Go to an Internet address

- ✓ Select **Address Bar**, if necessary to display the Address bar
- ✓ Enter the address
- ✓ Press "**ENTER**" key.

#### 5.2.3.8 View previously visited sites

- ✓ Tap the **Arrow** button at the right site of Address Bar
- ✓ Select the **Web Address** you want to view.

#### 5.2.3.9 Add and view Favorites

- ✓ Go to the page you want add
- ✓ Select **Favorites > Add To Favorites**.
- ✓ If necessary, locate the folder you want.
- ✓ Confirm or change the name.
- ✓ To view your favorite Web sites, select **Favorites** and the Web site you want to view.

**Note:**

To organize your Favorites list, select **Favorites > Organize Favorites**.

#### 5.2.3.10 Browse Web pages

- ✓ To move to a page you have previously view, select **View > Back**
- ✓ To move to the next page (provided you have viewed it previously), Select **View > Forward**.
- ✓ To return to your Home page, select **View > Go > Home**.

#### 5.2.3.11 Refresh current page

- ✓ Select **View > Refresh**.

#### 5.2.3.12 Stop loading a page

- ✓ Select **View > Stop**.

#### 5.2.3.13 View current page

- ✓ Select **View > Internet Options**
- ✓ To view the protocol, page type, size, and address, selects the **General** tab.

- ✓ To view security information about the page, select the **Security** tab.

#### 5.2.3.14 View HTML source code

- ✓ While viewing the page, select **File > Save As** and save the file as .txt file.
- ✓ Open the file in a word processing program, such as **WordPad**.

#### 5.2.3.15 Change home and search page settings

- ✓ Open the page you want to use as your home or search page.
- ✓ Select **View > Go > Home** or **Search**.

#### 5.2.3.16 Save a copy of current page

You can save Web pages and view them later when you're disconnected from the Internet or Intranet without using cached memory.

- ✓ Select **File > Save As**
- ✓ Specify a folder location and give the file name.

#### 5.2.3.17 Copy a Web page to a document

- ✓ Select all or part of the Web page you want to copy.
- ✓ Select **Edit > Copy**.
- ✓ Go to the document where you want to place the information and select the location.
- ✓ Select **Edit > Paste**.

#### 5.2.3.18 Select security Options

- ✓ Select **View > Internet Options > Security** tab
- ✓ Select the security protocols you want.

#### 5.2.3.19 Change the font size

- ✓ Select **View > Text Size** and select the desired size.

### 5.2.4 Messenger

The Windows CE Messenger client application in Windows CE.NET allows you to communicate real-time using text-based messaging, VOIP, and more.

- ✓ See who's online. See when your colleagues are online. You can also post your presence information to a list of watchers that you define.
- ✓ Talk instead of type Stop typing Talk with a colleague anywhere in the world using the microphone and speakers. Windows Messenger supports high-quality voice.
- ✓ Communicate using Session Initiation Protocol (SIP) or Hotmail contacts Windows Messenger supports. Communication with your colleagues in the enterprise with a SIP based communications service. You can also talk to your Hotmail contacts using the .NET Messenger.



## 5.2.5 Microsoft WordPad

You can create and edit documents and templates in WordPad, using buttons and menu commands that are similar to those used in the desktop version of Microsoft Word. You can work with files Normal or Outline view.

WordPad documents are usually saved as **.pwd** files, but you can also save documents in other file formats, such as **.rtf** or **.doc**.

### 5.2.5.1 Selecting and Editing Text

#### ✓ **Select text**

To select	Do this
Any amount of text	Drag the stylus over the text.
A word	Double-tap the word.
A single paragraph	Triple-tap within the paragraph.
An entire document	Select Edit > Select All
An picture	Tap the picture

#### ✓ **Find text**

- To search for text in one part of a document, select that part. Otherwise, the whole document is searched.
- Select **Edit > Find**
- Enter the text you want to find. For a paragraph, enter **^p**. For a tab stop, enter **^t**.
- Select the search options you want.
- To continue searching, select **Edit > Find > Next**.

#### ✓ **Replace text**

- To replace text in one part of document, select that part. Otherwise, the whole document is searched.
- Select **Edit > Replace**.
- Enter the text you want to find and the text you want to replace it with. For a paragraph, enter **^p**. For a tab stop, enter **^t**.
- Select the replacement options you want.
- Select **Find Next**.
- On the **Find/Replace** toolbar, select the appropriate button.

#### ✓ **Move, copy, or delete text**

- Select the text you want to move, copy, or delete.
- To move or delete text, select the **Cut** button. To copy the text, select the **Copy** button.

- To paste the information, move the insertion point to the desired location, and select the **Paste** button.

**Notes:**

- To undo an action, select **Edit > Undo**.
- To restore the action, select **Edit > Redo**.

### 5.2.5.2 Formatting Text

✓ **Create bulleted and numbered lists**

- Select the **Bullets** or **Numbering** button.
- Type the first item.
- Press **ENTER**, type the next item, and repeat as needed.
- Select the button again to end list formatting.

**Note:** To change the number style for the selected list, select **Format > Paragraph**, In the **Format** list, select the style you want.

✓ **Set the default font**

- Select **Format > Font**.
- Select the font you want.
- Select **Set As Default**
- To confirm that your changes will be applied to subsequent documents you create, select **Yes**.

**Note:** To apply the default font and stylus to selected text, select **Apply Default**.

✓ **Select a different font**

- Select the text you want to change. To select all text, select **Edit > Select All**.
- From the **Font** list, select the font you want.
- From the **Font Size** list, select a size.

**Note:** To see more formatting options, select **Format > Font**.

✓ **Change font formatting**

- Select desired text.
- Select the **Bold**, **Italic**, or **Underline** button.
- To change the color, select **Format > Font** and select the color you want from the **Color** list.

✓ **Adjust the paragraph alignment**

- Select the paragraph you want to align.
- Select the **Align Left**, **Center**, or **Align Right** button.

**Note:** To see more formatting options, select **Format > Paragraph**.

- ✓ **Indent a paragraph**
  - Select the paragraph you want to indent.
  - Select **Format > paragraph**.
  - Adjust the indentation settings as needed.
  
- ✓ **Set tabs**
  - Select **Format > Tabs**.
  - Change the tab settings as needed.

### 5.2.5.3 Adjusting the Display

- ✓ **Wrap text in the window**
  - Select **View > Wrap to Window**.
  
- ✓ **Display the document using the full screen**
  - Select **View > Full Screen**.
  - To exit Full Screen view, select **Restore**.
  - To move the **Restore** button, drag the bar on the left side.
  
- ✓ **Display or hide scroll bars**
  - Select **View > Horizontal Scroll Bar** or **Vertical Scroll Bar**.
  
- ✓ **Zoom in or out**
  - Select **View > Zoom**, and select the desired percentage.

**Note:** For **Custom**, enter the exact percentage and select **OK**.

### 5.2.5.4 Working in Outline View

- ✓ **Switch between Normal and Outline views**
  - Select **View > Normal** or **Outline**.
  
- ✓ **Assign and change outline levels**
  - Select **View > Outline**.
  - Select the appropriate buttons on the toolbar.

### 5.2.5.5 Inserting Symbols

- ✓ Place the insertion point where you want to insert the symbol.
- ✓ Select **Tools > Insert Symbols**.
- ✓ Select the symbol you want, and then select **Insert**.

**Tips:**

If you select a different font ( or subset of a font), a different set of Symbols will be displayed.

**5.2.5.6 Printing a Document**

- ✓ Select **File > Print**.
- ✓ Select the printing options you want.

**Tips:**

- **Port** list the available printer ports
- If **Network** is selected from the **Port** list, enter the path to the network printer to the **Net Path** box.

**5.2.5.7 Setting a password for a Document**

- ✓ Select **File > password**.
- ✓ Type and verify the password.
- ✓ You must save the document (**File > Save**) to return the password.

**5.2.5.8 Converting Documents**✓ **About document conversion**

If an e-mail program is installed on your device and you receive an attached Word document or template created in Word version 6.0 or later, WordPad will convert the file on your device. To view the document, simply open the attachment in your e-mail program or open the file in the WordPad.

During conversion, some formatting attributes may be changed or lost. To avoid losing these attributes permanently, close the file after viewing it rather saving the file on your device. If you save the file, save with a different file name.

For more information about conversion performed on your device, see the following topics.

✓ **Changes caused by Word document conversion**➤ **Formatting**● **Borders and Shading**

Borders and shading are not displayed in WordPad, but are restored when converted back to a Word document. Shading is not restored when used in a table, but simple borders are restored.

● **Character formatting**

Bold, italic, strikethrough, superscript, subscript, and hidden text are retained and displayed. Other effects are changed or removed.

- **Colors**  
Colors are retained and mapped to colors available on your device.
  - **Fonts and font sizes**  
Fonts not supported by your mobile device are mapped to the closest font available in WordPad.
  - **Page Formatting**  
Headers, footers, footnotes, columns, pages setup information, and style sheets are removed during conversion to WordPad. WordPad supports built-in headings.
  - **Paragraph formatting**  
Tabs, alignment, bullets, indentation, simple numbered lists, and paragraph spacing are retained and displayed in WordPad.
- **Pictures**  
Pictures are removed during conversion.
- **Table of Contents**  
Table of Contents text and some formatting are preserved. However, any text set at right-aligned tab stops may wrap to the next line.
- **Index**  
Index text and some formatting are preserved.
- **Tables**  
Tables appear as tab-delimited text. Cells containing wrapped text, tabs, or paragraph markers may be difficult to read. Simple tables are displayed accurately and restored when you convert the WordPad file back to a WordPad document.
- **OLE Objects**  
OLE Objects are removed during conversion.
- **Revisions marks, annotations, and comments**  
Revision marks are visible but cannot be changed. Annotations and documents are removed during conversion.

### 5.2.6 Remote Connection

Using Remote Desktop Connection, you can log on to Windows Terminal Server and use all programs installed on this server. For example, instead of running Microsoft Pocket Word, you can run the desktop version of Microsoft Word.

### 5.2.6.1 Connecting to Terminal Server

- ✓ Select **Start > Programs > Remote Connection**, or run 'CETSC' from the command prompt.
- ✓ In the Server box, type or select a Terminal Server name or TCP/IP address, or select a server in the drop-down list.
- ✓ Select **Connect**.
- ✓ In the **Remote Connection** window, type your user name, password, and domain(if required), and then select **OK**.

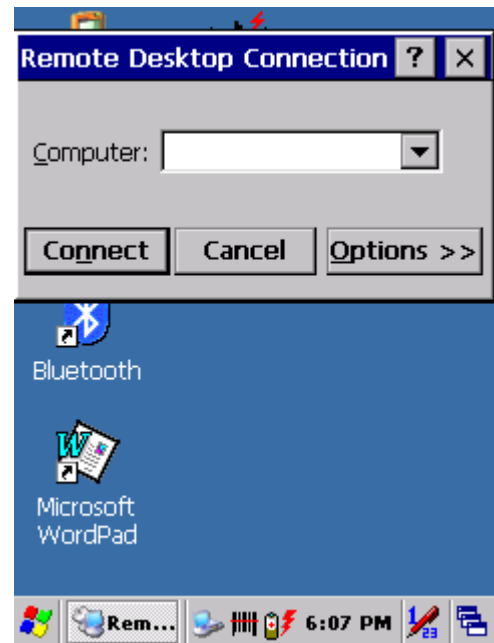


Figure 5-3 Remote Connect

### 5.2.6.2 Disconnecting Without Ending a Session

- ✓ In the **Remote Connection** window, select **Start > Shutdown**.
- ✓ Select **Disconnect > OK**.

**Note:** If you previously disconnected from a Terminal Server without ending the session, the Terminal Server will continue to execute any running processes and Remote Connection can later reconnect to this same session(if your administrator has configured Remote Connection to reconnect to disconnected sessions).

### 5.2.6.3 Disconnecting and Ending a Session

- ✓ In the **Remote Connection** window, select **Start > Shutdown**.
- ✓ Select **Log Off > OK**.

## 5.2.7 Windows Explorer

Windows Explorer works almost the same on your PDT as it does on your PC. See the topics below for information about the difference in Windows Explorer on your device.

### 5.2.7.1 Navigating in File View

- ✓ **Go forwards and Back**
  - To go to the previous folder, select **Go > Back**.
  - To go to the next folder (which you have just viewed), select **Go > Forward**.

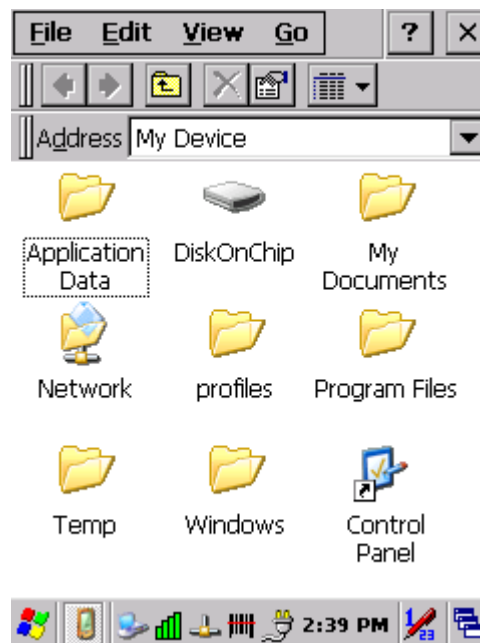


Figure 5-4 Windows Explorer

- ✓ **Use the Go menu**
  - To quickly access the My Documents folder, select **Go > My Documents**
  - To see all of the folders you have accessed, select **Go > History**. Double-tap a folder to return to it.

### 5.2.7.2 Viewing Files as Icons Lists

- ✓ To view icons, select **View > Large Icons** or **Small Icons**.
- ✓ To view a list, select **View > Details**.

### 5.2.7.3 Working with Files and Folders

- ✓ **Create a new folder**
  - If necessary, open the folder where you want the new folder to reside.
  - Select **File > New Folder**.
  -
- ✓ **Add a folder to your Favorites list**
  - Open the folder
  - Select **Favorites > Add to Favorites**.
  - In the **Name** box, type the shortcut name.

#### Tips:

- To open a favorite file or folder, select **Favorites** and then select the folder.
- To organize your favorites, select **Favorites > Organize Favorites**.

- ✓ **Transfer a file using infrared**
  - To send a file, select it, line up the infrared ports, and select **File > Send To > Infrared Recipient**.
  - To receive a file, line up the infrared ports, and select **File > Receive**.

#### 5.2.7.4. Creating Desktop Shortcuts

- ✓ Display the file or Web page for which you want to create a Shortcut.
- ✓ Select **File > Send to**.
- ✓ Select **Desktop as Shortcut**.

#### 5.2.7.5 Switch to Internet

- ✓ Type a URL in the Address bar.

### 5.3 DiskOnChip

The DiskOnChip let the application or a data file can be stored into the Flash Memory.

**Note: The DiskOnChip storage memory persists all reset (warm/cold reboot) conditions and software/firmware updates.**

**We strongly recommends installing all applications, applets, programs, and important data files to the DiskOnChip Flash location.**

#### **Caution:**

**If an application or a data file is only installed or saved in RAM, a cold reset will result in the loss of that application or data file.**

#### 5.3.1 Saving to Flash

To save an application or data to the Flash Memory, from your current application, select **File > Save As >** navigate to the **DiskOnChip** location and save it.

#### 5.3.2 DiskOnChip Location

To access the contents of DiskOnChip storage:

- ✓ Double-tap the **My Device** icon on the desktop.
- ✓ Double-tap the **DiskOnChip** icon to view **DiskOnChip**.



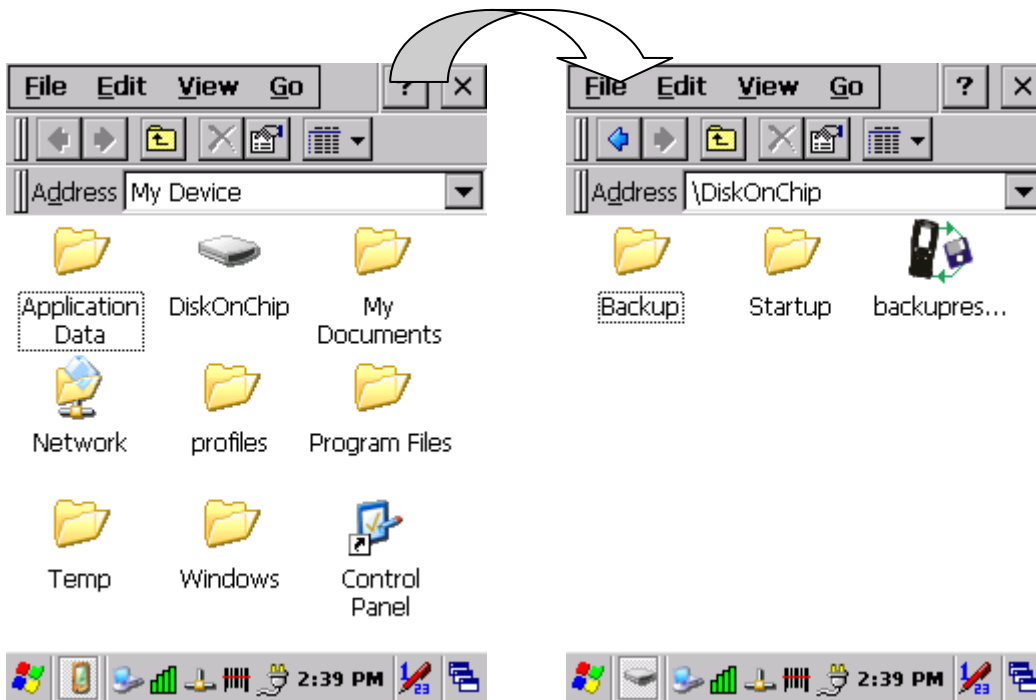


Figure 5-5 DiskOnChip

### 5.3.3 DiskOnChip Size

The size of the DiskOnChip will vary, depending on the size of system firmware.

- ✓ Inside the **DiskOnChip** directory, tap **File > Properties**.
- ✓ The **DiskOnChip Properties** dialog:

The number following **Free** is the amount of memory currently available on your device.



Figure 5-6 DiskOnChip Size