User's Manual



WinCE Rugged Portable Data Terminal

Model: TT100

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Chapter 1. Introduction

Congratulations on purchasing the TT100 Portable Data Terminal, a Microsoft Windows® CE rugged device. Its special combination of features makes it perfect for using in a wide range of applications. These features as:

- Intel® XScale™ PXA310 624 MHz 32 bits RISC Processor
- Windows® CE 6.0 Operating System
- 128MB SDRAM & 256MB Flash ROM
- Open Architecture: User Accessible MicroSD Slot
- 240 x 320, 2.8” Color TFT Display with Touch Panel
- One Numeric-Alpha Keyboards with LED backlight
- WLAN 802.11 b/g Radio Support
- Bluetooth V2.0+EDR, Class II Support
- WAN Module, MC75i(Optional)
- Integrated 1D Barcode Scanner or 2D Imager Scanner

1.1 About this Manual

The following chapters contained in this manual are:

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

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 Device has passed the test of IP65 standard for water and dust resistance, avoid prolonged exposure to rain or other concentrated moisture. Such condition exceeds the IP65 standard, and could result in water or other contaminants entering into the Device.
- Use only the original approved AC Adapter with the Device. 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 Device. Servicing should be done by supplier only. If the Device 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-up of all important data.
- Under no circumstance will supplier be liable for any direct, indirect, consequential or incidental damages baring out of the use or inability to use the hardware and software and/or any data loss, even if supplier has been informed about the possibility of such damages.
- LASER RADIATION DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT

1.3 Battery Safety

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 battery pack using any device except for the specified device. When it is used in devices other than the specified devices, 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.

1.4 CE Statement

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

- **EN 60950-1: 2006** +A11:2009 +A1:2010
  Safety of Information Technology Equipment

- **EN 300 440-1 V1.6.1: 2010**
- Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 1: Technical characteristics and test methods

- **EN 300 440-2 V1.4.1: 2010**
- Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

- **EN 300 328 V1.7.1: 2006**
- Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

- **EN 301 893 V1.5.1 (2008-12)**
- Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

- **EN 301 511 V9.0.2: 2003**
- Global System for Mobile communications (GSM); Harmonized standard for mobile stations in the GSM 900 and DCS 1800 bands covering essential requirements under article 3.2 of the R&TTE directive (1999/5/EC)

- **EN 301 489-1 V1.8.1 (2008-04)**
- Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

- **EN 301 489-17 V2.1.1 (2009-05)**
- Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems

- **EN 301 489-7 V1.3.1 (2005-11)**
- Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS)

- **EN 62209-2: 2010**
- Human exposure to radio frequency fields from handheld and body mounted wireless communication devices — Human models, instrumentation, and procedures Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)

- **EN 62311: 2008**
- Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz)

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 0560 ⓘ

cs Česky [Czech]	*[Jméno výrobce]* tímto prohlašuje, že tento *[typ zařízení]* je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
da Dansk [Danish]	Undertegnede *[fabrikantens navn]* erklærer herved, at følgende udstyr *[udstyrets typebetegnelse]* overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
de Deutsch [German]	Hiermit erklärt *[Name des Herstellers]*, dass sich das Gerät *[Gerätetyp]* in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
et Eesti [Estonian]	Käesolevaga kinnitab *[tootja nimi = name of manufacturer]* seadme *[seadme tüüp = type of equipment]* vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
en English	Hereby, *[name of manufacturer]*, declares that this *[type of equipment]* is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
es Español [Spanish]	Por medio de la presente *[nombre del fabricante]* declara que el *[clase de equipo]* cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
el Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ *[name of manufacturer]* ΔΗΛΩΝΕΙ ΟΤΙ *[type of equipment]* ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
fr Français [French]	Par la présente *[nom du fabricant]* déclare que l'appareil *[type d'appareil]* est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
it Italiano [Italian]	Con la presente *[nome del costruttore]* dichiara che questo *[tipo di apparecchio]* è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo *[name of manufacturer / izgatavotāja nosaukums]* deklarē, ka *[type of equipment / iekārtas tips]* atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių	Šiuo *[manufacturer name]* deklaruoja, kad šis *[equipment type]* atitinka esminius

[Lithuanian]	reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
nl Nederlands [Dutch]	Hierbij verklaart *[naam van de fabrikant]* dat het toestel *[type van toestel]* in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
mt Malti [Maltese]	Hawnhekk, *[isem tal-manifattur]*, jiddikjara li dan *[il-mudel tal-prodott]* jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
hu Magyar [Hungarian]	Alulírott, *[gyártó neve]* nyilatkozom, hogy a *[... típus]* megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
pl Polski [Polish]	Niniejszym *[nazwa producenta]* oświadcza, że *[nazwa wyrobu]* jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
pt Português [Portuguese]	*[Nome do fabricante]* declara que este *[tipo de equipamento]* está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
sl Slovensko [Slovenian]	*[Ime proizvajalca]* izjavlja, da je ta *[tip opreme]* v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]	*[Meno výrobcu]* týmto vyhlasuje, že *[typ zariadenia]* spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
fi Suomi [Finnish]	*[Valmistaja = manufacturer]* vakuuttaa täten että *[type of equipment = laitteen tyyppimerkintä]* tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
sv Svenska [Swedish]	Härmed intygar *[företag]* att denna *[utrustningstyp]* står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

LED AND LASER SAFETY INFORMATION

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

1.5 Recycling & disposal instructions.

Do not throw this product in the home waste bin.

1.6 Regulatory information.

For CE, FCC, RoHS and other Document of Conformities, consult Toyota Tsusho ID Systems GmbH.

1.7 Product Labeling

The Device has several labels as shown in Figure 1-1 to 1-2.

A. TT100



Figure 1-1 **Product Labeling (Front side view)**

Label nr.	Description
1	LCD panel protection film

Table 1-1 **Front labeling**

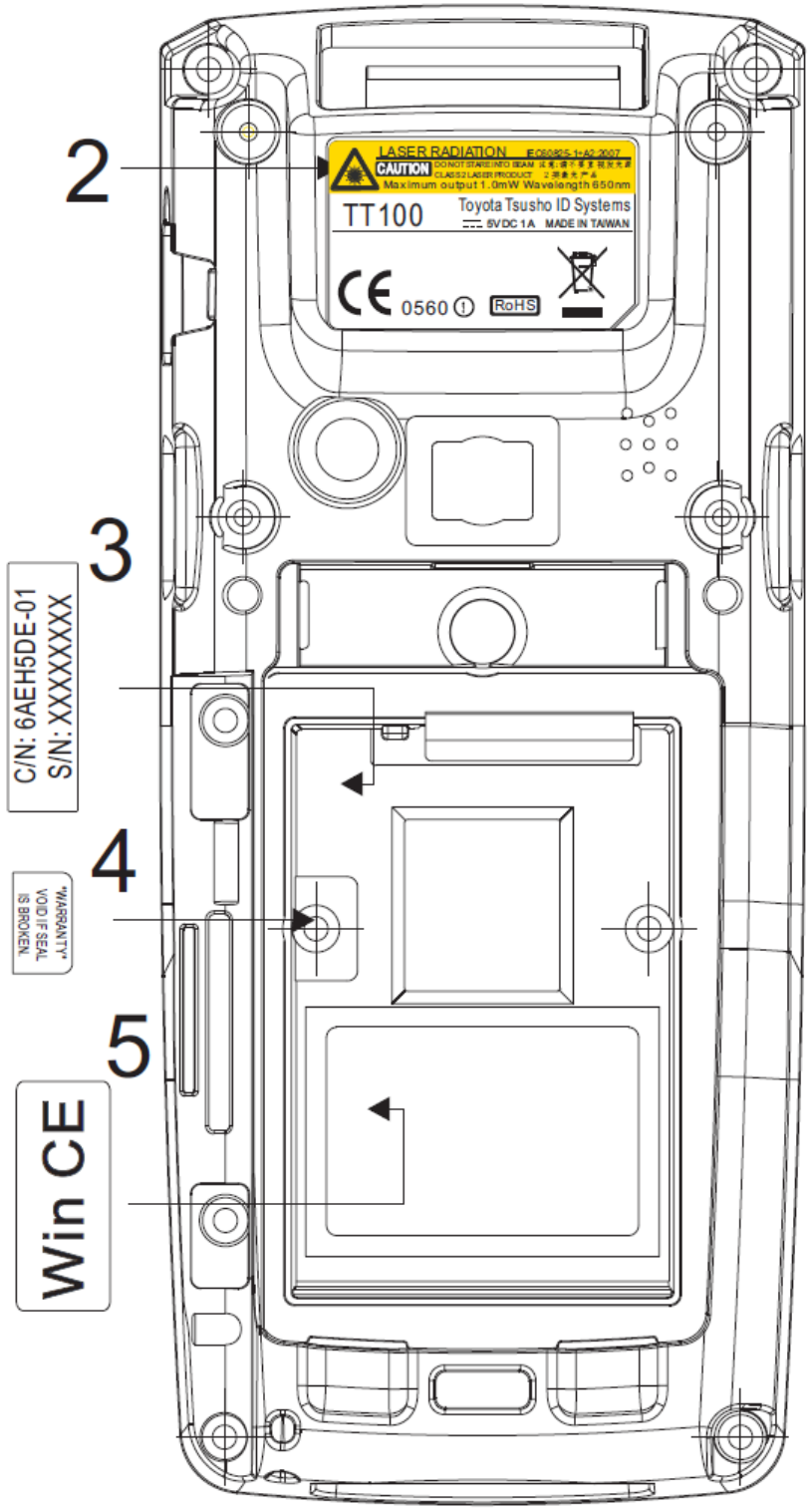


Figure 1-2 **Product Labeling (Back side view)**

Label nr.	Description
2	Laser radiation warning label
3	Serial / Configuration number
4	Warranty seal
5	Windows CE .NET label

Table 1-2 **Rear labeling**

1.9 System Specifications

The TT100 detailed specifications as follows. Unless otherwise noted, all the specifications are subject to change without prior notification.

Table 1-3 **System Specification**

TT100	
Processor	- Intel PXA310 624MHz 32 bits RISC CPU
Memory	- 256MB Flash ROM - 128MB SDRAM
Display	- 240 x 320 2.8” TFT 256K Color LCD with LED backlight
Audio	- One mono speaker for system voice(on lower case)
Expansion Slot	- One Micro SD slot
LED	- One Dual-Color LED for Charger Indicator - One Dual-Color LED for Scanner, Bluetooth and WLAN Indicator
Radio Support	- Wireless LAN: 802.11 b/g - Bluetooth: V2.0+EDR, Class II - WAN Module: MC75i(Optional)
Scan Engine	- Laser (1D) Engine or 2D Imager Scanner
Communication Ports	- USB: Support USB v2.0 client. (Device and Cradle)
Power System	- Standard Li-Ion Battery Pack, 3.7VDC/1840mAh - Advanced Smart Battery - Built-in Battery Charger - 3.7VDC/75mAh rechargeable backup battery - One Battery Cover Magnet Sensor Switch - Power Adapter: 100~240VAC, 50/60Hz Input ; 5VDC/1A Output

TT100		
Keypad / Buttons	TT100	- One Power Button - Three Barcode Scanner Buttons - Four Navigation Buttons - Four Application Buttons - One 12-key Numeric Keypad
Dimensions and Weight	- Dimensions: L: 144 x 62 x 26.2~35.8 mm - Weight: 240g with Standard Battery Pack(Approx.)	
Color	- Black	
Peripherals and Accessories	- Optional: High-Capacity Li-Ion Battery Pack (3.7VDC/2760mAh) - Single Dock	
Software	- Microsoft Windows CE 6.0 Professional	

1.10 Environment Standard

Table 1-4 **Environment Standards**

Operating Temperature	14°F ~ 122°F(-10°C ~ 50°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 60°C)
Humidity	5% ~ 95% (non-condensing)
Drop	4ft (1.2m) Drop onto Concrete
Water & Dust proof	IP65 Certificated
Vibration	MIL STD 810F

1.11 Warranty and after service

Should this Device be malfunctioned, please contact your original retailer providing information about the product name, the serial number, and the details about the problem.

Chapter 2. Getting Started

2.1 Check the package

Open the package and check all the parts are inside without shortage and damage:

A. TT100



Figure 2-1 **Inside the package**

1. TT100 Terminal
2. Hand Strip
3. Stylus Cord.
4. Standard Battery Pack (3.7VDC/1840mAh)
5. MicroUSB Client Cable for Terminal
6. Switching Adapter:
   Input: 100~240VAC 50/60Hz, 0.3A (max)
   Output: 5VDC/1A
7. Stylus (inserted onto lower case)
8. Quick Guide (not shown in this page)

2.2 General View of the PDT

2.2.1 TT100 general view



Figure 2-2 **TT100 front side view**



Figure 2-3 **TT100 back side view**

Table 2-1 **Description of TT100 General View**

1	Scanner LED Indicator	“Red” color	Reading barcode
		“Green” color	Successful reading
2	Charge LED Indicator	“Red” color	Charging battery
		“Green” color	Battery charged full
3	3 color LED Indicator	“Blue” color	Bluetooth Enable
		“Green” color	WLAN or GPRS Enable
4	LCM / Touch Panel	Do specific action through touch panel by stylus	
5	Left Scan key Right Scan key Main Scan key	Start scanning the barcode by pressing any one of these three scan keys	
6	Power key	Puts the terminal into and wakes the terminal from suspend mode.	
7	F1 ~ F4 key	The four application keys, hot keys of application program defined by end user.	
8	Navigation key	Navigation keys for left, right, up and down directions	
9	Alpha-Numeric keys	Numeric keys, Change to Alpha keys after pressing Alpha key.	
10	Alpha key	Toggle Alpha-mode for Alpha-Numeric keys	
11	Fn key	This key is used in combination with other keys to type special characters and perform system functions.	
12	Enter key	This key confirms data entry	
13	Micro USB port	A connector to support MicroUSB Client	
14	Scan window	A window for scanning of barcode reader	
15	Stylus	Use the stylus for selecting items and entering information.	
16	Battery Cover	Protect Battery pack, keep the switch of battery cover to leave system from suspend mode	
17	Battery cover Latch	To keep battery cover locked	
18	Hand Strap	This strap can be sealed tighter or looser	
19	Speaker	1W speaker for audio sound	

2.3 Charging the Battery Pack

Before using the Device, perform the basic procedure of charging the battery pack through the following steps.

2.3.1 Installing the battery pack

1. Turn the locking latches (right and left) downwards and lift the battery cover away from the Device.

Figure 2-4 **Detach the battery cover from Device**



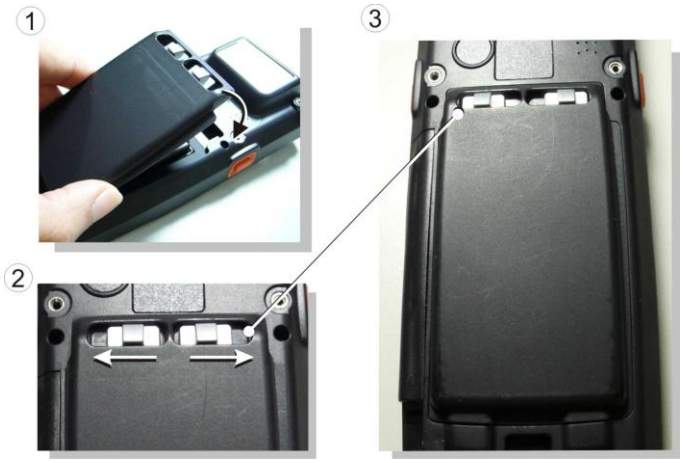
2. Insert the battery pack into the battery compartment with the label facing out, and ensuring the battery snaps into place.

Figure 2-5 **Insert the battery pack**



3. Replace the battery cover by inserting the bottom first, and then press the top in firmly. Turn the locking latches (right and left) upwards to secure the cover to the Device.

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



4. Charge time: For the first time to charge the battery pack needs approximately 6 hours. Subsequent charging time needs approximately 3 hours.

◆. When charging the battery pack, the charge LED indicator on the device turns on Red. After the battery pack is fully charged, the charge LED indicator turns to Green.

2.3.2 Charging the battery pack with Micro USB cable

1. Connect the Micro USB cable to both Device and computer or a power adapter.
2. Plug in the connector of the power adapter.

Figure 2-7 **Charging with power adapter**



- When charging the battery pack, the charge LED indicator on the Device turns on Red.
- After the battery pack is fully charged, the charge LED indicator turns to Green.

CAUTION: Please do not remove the Battery pack too long from Device after you have already full-charged the Battery pack and backup battery pack and start to use the Device. Otherwise non-saved data will be lost. Please also keep in mind power the Device off if you want to change the main Battery pack.

2.4. Handling the Device

2.4.1 Starting the Device

Press the Power key to turn on/off the Device. If the Device does not power on, perform a cold boot. See 2-7 Resetting the Device.

CAUTION: When a battery is fully inserted in Device for the first time, upon the Device first power up, the device boots and powers on automatically.

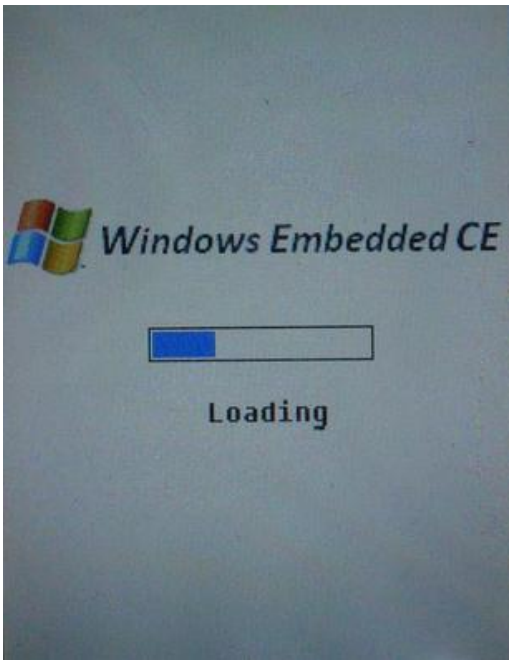


Figure 2-8 **Starting the Device**

When the Device is powered on for the first time, it initializes its system. A splash screen (figure 2-8) appears for a short period of time followed by the WinCE 6.0 window.

This section offers the basic procedures of Device using.

2.4.2 Power on / off

➢ **To turn on the Device**

Press the Power key briefly (). If the Device does not power on, perform the cold reset. See chapter 2.7.2.

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

To turn off the Device, just press the Power key again. This action does not actually turn off the Device, it only turns the Device into suspend mode. All running applications remain as you left them, until you press the Power key again to resume operation of the Device.

2.4.3 Calibration of the touch Screen

On the initial boot-up of the Device, the stylus calibration screen (Labeled Align Screen) opens. Use the stylus to press and hold briefly on the center of each target as it moves around the screen.

If necessary, adjust the backlight on the device to make the screen readable.

When you feel 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.

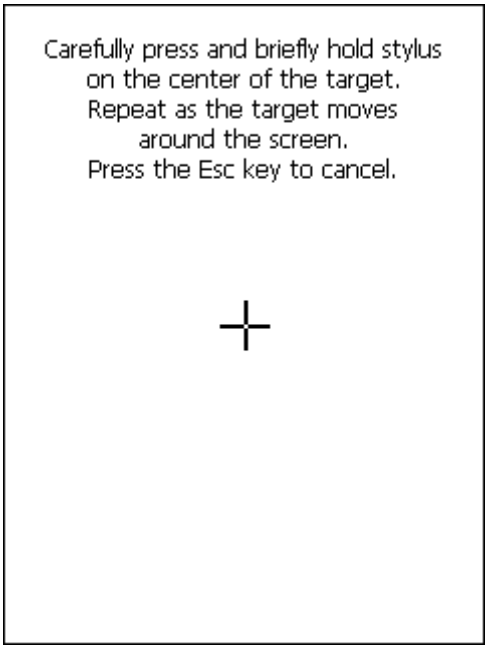


Figure 2-9 **Calibration**

2.4.4 To mute the Sound for TT100

To mute the sound, press the Fn key first, and then press the BS key to turn off and turn on the sound.

2.4.5 Using the Stylus

The stylus is located next to hand-strap on the right rear of the Device. The stylus function is same 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 the list of multiple items.

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

2.4.6 Using the TT100 Keypad



Figure 2-10 **TT100 Keypad**

Table 2-2 **Keypad List**

Key	Main Function	Fn + Main Function	Alpha + Fn+ Alpha + Main Function
	**Main BarCode Scan Key**		
	**Power On/Off**		

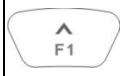
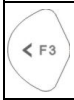
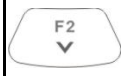
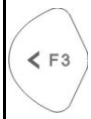
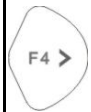
Key	Main Function	Fn + Main Function	Alpha + Fn+ Alpha + Main Function
	Up	Soft Keyboard	
	Down	Reserved	
	Left	Device Power	
	Right	Brightness	
	Function change		
	Escape	Tab	
	Change to letters	Caps	Change to cap letters
	Backspace	Mute	Backspace
	Enter	Del (Delete)	Enter
	1	@ (at)	: \
	2	’ (Quotation Marks)	A B C
	3	+ (Plus Sign)	D E F
	4	Paste	G H I
	5	€	J K L
	6	− (Minus Sign)	M N O
	7	Copy	P Q R S
	8	& (AND)	T U V
	9	X (Multiplication)	W X Y Z
	0	Space	〔 〕
	* (Asterisk)	Start Menu	. , ;
	#	／ (Division)	= %

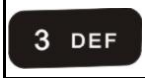
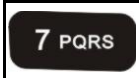
Table 2-3 **Special Assembler Key**

Assembler Key	Functionality	Definition
”Alpha” + ”Fn” + ”Enter” Key	**Warm Reset**	Press “**Alpha**”, “**Fn**” and “**Enter**” buttons simultaneously.
 **+”Fn”+”Enter” Key**	**Cold Reset**	Press “**Power**”, “**Fn**” and “**Enter**” buttons simultaneously.

Table 2-4 **Definition of main Function**

Key	Main Function	Definition
	**Main Barcode Scan Key**	The  key activates the scan function of TT100.
	**Power On/Off**	The  key puts the terminal into and wakes the terminal from suspend mode if this key button is not pressed more than **two seconds.**
	**Up**	Move the cursor up one row or line The cursor will move continuously if button is pressed continuously. Application key 1, **User can define F1 function from setting.**
	**Down**	Move the cursor down one row or line The cursor will move continuously if button is pressed continuously. Application key 2, **User can define F2 function from setting.**
	**Left**	Move the cursor one character to the left. The cursor will move continuously if button is pressed continuously. Application key 3, **User can define F3 function from setting.**
	**Right**	Move the cursor one character to the right. The cursor will move continuously if button is pressed continuously. Application key 4, **User can define F4 function from setting.**

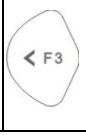
Key	Main Function	Definition
Fn	**Function change**	The Fn key is used in combination with other keys to type special characters and perform system functions. **Note:** When continue press “Fn” key twice, the “Fn” key function will be lock and color change from White (Fn) to Yellow (Fn). Press again to disable “Fn” Function.
ESC	**ESC**	This key performs a cancel action
Alpha	**Change to letters**	1. The Alpha key enables you to toggle between the **numeric** and **alpha** modes. Numeric mode is when you type numbers with number keys. Alpha mode is when you type letters with the number keys. 2. When you press Alpha key, it appears “Alpha” icon < a > at the Task bar to indicate Alpha mode is enabled. The keypad stays in the alpha mode until you press Alpha key again.
BS	**Backspace**	“**Backspace”** 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 are typing text. The cursor will move continuously if button is pressed continuously.
↵	**Enter**	This key confirms data entry
1 : \	**1**	Number key “1”
2 ABC	**2**	Number key “2”

Key	Main Function	Definition
	3	Number key “3”
	4	Number key “4”
	5	Number key “5”
	6	Number key “6”
	7	Number key “7”
	8	Number key “8”
	9	Number key “9”
	0	Number key “0”
	*	* key
	#	# key

2.4.6.1 Special Function by “Fn” + Main Function

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

Table 2-5 **Special Function key define**

Key Sequence	Fn + Main Function	Definition
	**SW Keyboard**	You must press  key, then press  key to use SW Keyboard.
	**Reserved**	You can define F2 function.
	**Device Power**	You must press  key, then press  key to use Device Power.

Key Sequence	Fn + Main Function	Definition
	**Backlight**	You must press Fn key, then press F4 > key to adjust Brightness.
	**TAB**	1. The “TAB” function is to move the cursor to the next tab stop or the next control (on a form) 2. To do this function by pressing Fn key first, and then pressing ESC key each time.
	**Audio Mute**	1. Toggle the audio mute/on 2. You must press Fn key, then press BS key to enable audio mute or turn on audio function each time.
	**Caps**	Toggle the Caps function
	**Del**	1. The “Delete” function delete the next character forward each time. 2. To do “Delete” function by pressing Fn key first, and then pressing ↵ key each time.
	**@**	Enter an @ by pressing Fn key, then pressing 1 : \ key.
	**’**	Enter a { ’ } by pressing Fn key, then pressing 2 ABC key.

Key Sequence	Fn + Main Function	Definition
Fn 3 DEF	+	Enter a plus sign by pressing Fn key, then pressing 3 DEF key
Fn 4 GHI	**Paste**	1. It is to do “Paste” function. 2. To do this function by pressing Fn key first, and then pressing 4 GHI key each time.
Fn 5 JKL	**Euro symbol**	1. It is to do “€” function. 2. To do this function by pressing Fn key first, and then pressing 5 JKL key each time.
Fn 6 MNO	– (Minus Sign)	Enter a minus sign by pressing Fn key, then pressing 6 MNO key.
Fn 7 PQRS	**Copy**	1. Copy action. 2. You must press Fn key, then press 7 PQRS key to do “Copy” action each time.
Fn 8 TUV	&	Enter an AND sign by pressing Fn key, then pressing 8 TUV key.
Fn 9 WXYZ	*	Enter an asterisk sign by pressing Fn key first, and then pressing 9 WXYZ key.
Fn 0 [ ]	**Space**	1. The “Space” function is to move the cursor one space. 2. To do this function by pressing Fn key first, and then pressing 0 [ ] key each time.

Key Sequence	Fn + Main Function	Definition
Fn * ..;	Start Menu	1. It displays the Start menu. 2. To do this function by pressing Fn key first, and then pressing * ..; key each time.
Fn # =%	/	Enter a slash by pressing Fn key first, and then pressing # =% key.

2.4.6.2 Alpha plane keys by “Alpha” + main Function

1. The Alpha key enables you to toggle between the numeric and alpha modes. Numeric mode is when you type numbers with number keys. Alpha mode is when you type letters with the number keys.
2. When you press Alpha key, it appears “Alpha” icon at the Task bar to indicate Alpha mode is enabled. It means Alpha mode is disabled if there isn’t “Alpha” icon at Task bar. The keypad stays in the alpha mode until you press Alpha key again. For an example to type “ cap1 ” word, press Alpha 2 ABC 2 ABC 2 ABC < wait 1 seconds > 2 ABC 7 PQRS Alpha 1 : \ .
3. If you want to type a lowercase “ c ”, press Alpha 2 ABC 2 ABC 2 ABC (The 2 ABC key three times, the Alpha key is needed if it’s the first alpha 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.
4. While you are in the Alpha mode and you press Fn key + Alpha key to initial the “ Caps ” mode, you will render a Caps Lock until you press Alpha key again. Once you are in Caps mode, you stay in “ Caps “ until it is pressed Alpha key again.
5. It appears ” a “ and “ A ” icon at Task Bar during Caps mode.

Table 2-6 **Alpha + Numeric keys define**

To enter	Press the Keys	To enter	Press the Keys
:	Alpha 1 : \	\	Alpha 1 : \ 1 : \
a	Alpha 2 ABC	A	Alpha Fn Alpha 2 ABC
b	Alpha 2 ABC 2 ABC	B	Alpha Fn Alpha 2 ABC 2 ABC
c	Alpha 2 ABC 2 ABC 2 ABC	C	Alpha Fn Alpha 2 ABC 2 ABC 2 ABC
d	Alpha 3 DEF	D	Alpha Fn Alpha 3 DEF
e	Alpha 3 DEF 3 DEF	E	Alpha Fn Alpha 3 DEF 3 DEF
f	Alpha 3 DEF 3 DEF 3 DEF	F	Alpha Fn Alpha 3 DEF 3 DEF 3 DEF
g	Alpha 4 GHI	G	Alpha Fn Alpha 4 GHI
h	Alpha 4 GHI 4 GHI	H	Alpha Fn Alpha 4 GHI 4 GHI
i	Alpha 4 GHI 4 GHI 4 GHI	I	Alpha Fn Alpha 4 GHI 4 GHI 4 GHI
j	Alpha 5 JKL	J	Alpha Fn Alpha 5 JKL
k	Alpha 5 JKL 5 JKL	K	Alpha Fn Alpha 5 JKL 5 JKL
l	Alpha 5 JKL 5 JKL 5 JKL	L	Alpha Fn Alpha 5 JKL 5 JKL 5 JKL
m	Alpha 6 MNO	M	Alpha Fn Alpha 6 MNO
n	Alpha 6 MNO 6 MNO	N	Alpha Fn Alpha 6 MNO 6 MNO
o	Alpha 6 MNO 6 MNO 6 MNO	O	Alpha Fn Alpha 6 MNO 6 MNO 6 MNO
p	Alpha 7 PQRS	P	Alpha Fn Alpha 7 PQRS
q	Alpha 7 PQRS 7 PQRS	Q	Alpha Fn Alpha 7 PQRS 7 PQRS
r	Alpha 7 PQRS 7 PQRS 7 PQRS	R	Alpha Fn Alpha 7 PQRS 7 PQRS 7 PQRS
s	Alpha 7 PQRS 7 PQRS 7 PQRS 7 PQRS	S	Alpha Fn Alpha 7 PQRS 7 PQRS 7 PQRS 7 PQRS
t	Alpha 8 TUV	T	Alpha Fn Alpha 8 TUV
u	Alpha 8 TUV 8 TUV	U	Alpha Fn Alpha 8 TUV 8 TUV
v	Alpha 8 TUV 8 TUV 8 TUV	V	Alpha Fn Alpha 8 TUV 8 TUV 8 TUV
w	Alpha 9 WXYZ	W	Alpha Fn Alpha 9 WXYZ
x	Alpha 9 WXYZ 9 WXYZ	X	Alpha Fn Alpha 9 WXYZ 9 WXYZ
y	Alpha 9 WXYZ 9 WXYZ 9 WXYZ	Y	Alpha Fn Alpha 9 WXYZ 9 WXYZ 9 WXYZ
z	Alpha 9 WXYZ 9 WXYZ 9 WXYZ 9 WXYZ	Z	Alpha Fn Alpha 9 WXYZ 9 WXYZ 9 WXYZ 9 WXYZ
〔	Alpha 0 [ ]	〕	Alpha 0 [ ] 0 [ ]
.	Alpha * .,;	,	Alpha * .,; * .,;
;	Alpha * .,; * .,; * .,;		
=	Alpha # =%	%	Alpha # =% # =%

Note: The Alpha key is not needed to key in if the character isn't the first alpha character being keyed in.

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 or open a numeric dial. 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/tap the down arrow to decrease the value or type a new value in the field.

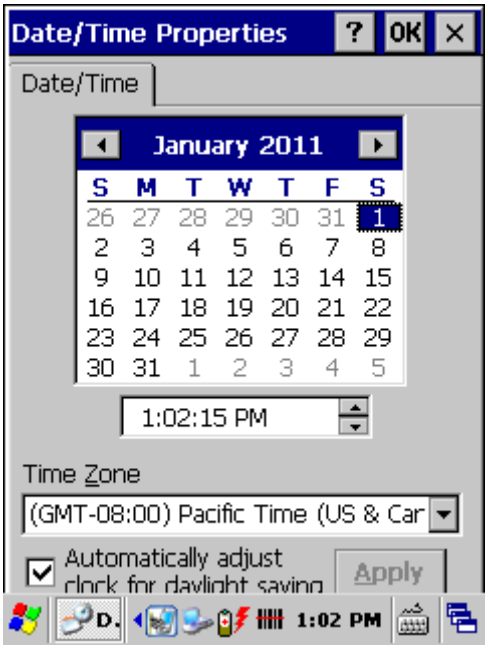


Figure 2-11 **Date/Time properties**

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 make save your changes [and make additional modifications] or select **OK** to exit the **Date/Time** settings.

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. or if the program has an icon on the desktop, double-tap to open it.

There are several ways to enter data on the Device once in an application:

- Use the keypad to enter alpha-numeric characters, Refer to "**2.4.6 Using the TT100 keypad**".
- Use the stylus on the touch screen.
- 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-rapping to select an entire line/paragraph. Refer to "**2.5 Navigating the Display**" starting.

- Use the soft input panel (digital keyboard) with the stylus.
- Use the bar code scanning to enter data. Press the trigger or "Barcode Scan" key to initiate a scan. The scanned data will enter the current application's open file. Refer to "**2.5.7 Reading barcodes, 1D laser version**" starting for more information on using a scanner.

For more information on factory installed applications, Refer to Chapter 5 "**Software Applications**".

2.5.3 The Command Bar

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

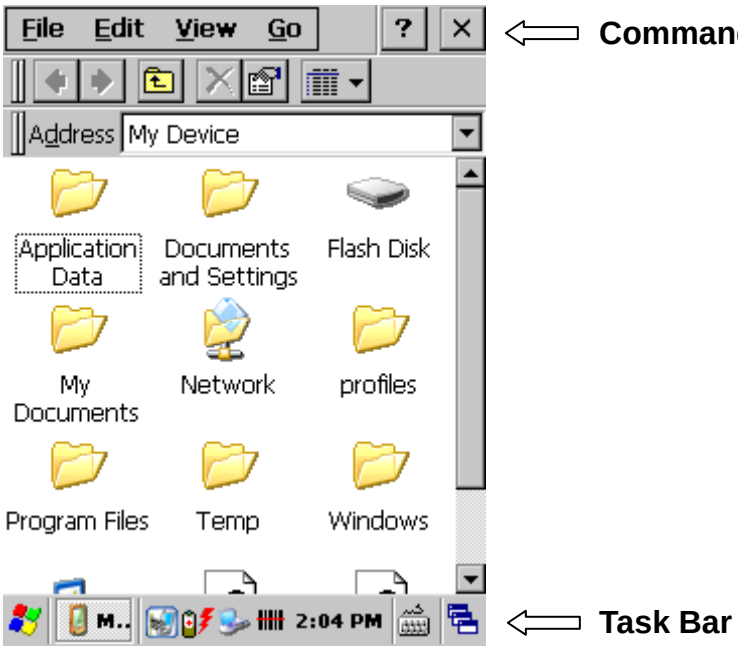


Figure 2-12 **Task Bar & Command Bar**

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 2-12 to view the **Task** 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 digital, 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

The Summit Client Utility (SCU) is an application designed for end users and administrators of mobile devices that use a Summit radio module. Using SCU, an end user can:

- Disable the radio (turn it off) and enable the radio (turn it on)
- View the contents of configuration profiles, or profiles, each of which houses the RF, security, and other settings for the radio
- Select the profile to be used to connect to a WLAN
- View global settings, which apply to every profile
- View status information on the radio, the access point (AP) or WLAN router to which it is connected, and the RF connection or link between the two devices
- To troubleshoot a connection or performance issue, view in-depth diagnostic information on the connection and the radio, and perform various troubleshooting and diagnostic tests

After completing an administrator login to the utility, a user can perform these additional tasks:

- Create, rename, edit, and delete profiles
- Alter global settings, which apply to every profile

SCU provides a graphical user interface (GUI) for access to all of its functions. Access to these functions also is available through an application programming interface (API), which an application programmer can use to enable another utility to manage the radio.
To initialize SCU:

- From the Start menu, select Programs
- Select the directory called Summit
- Inside the Summit directory are two items: a directory for the storage of security certificates and an SCU icon. To run SCU, double-click the SCU icon

SCU has five tabs: Main, Profile, Status, and Diags, and Global. Each tab is described in more detail in this section.

Main Tab

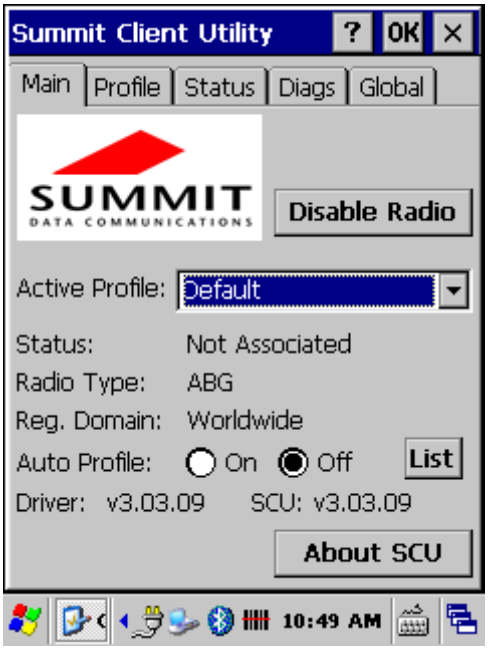


Figure 2-13 **Main Tab**

- **Enable/Disable Radio:** When the radio is enabled, selecting this button disables it; when the radio is disabled, selecting this button enables it.
- **Active Profile:** You can view the name of the active profile and, using the selection list, select a different profile.
- **Status:** Indicates the radio's status.
- **Radio Type:** Indicates the type of radio in the device. "ABG" means a Summit radio that supports 802.11b and 802.11g.
- **Regulatory Domain:** Indicates the regulatory domain or domains for which the radio is configured "Worldwide" means that the radio can be used in any domain. The domain cannot be configured by an administrator or user.
- **Auto Profile:** enables you to activate or deactivate automatic profile selection. Tap **List** and use the dialog box to select a created profile.
- **Driver:** Indicates the version of the device driver that is running on the device.
- **SCU:** Indicates the version of SCU that is running on the device.
- **About SCU:** When tapped, supplies information on SCU that on a Windows application normally would appear under Help/About.

Profile Tab

Profile settings are radio and security settings that are stored in the registry as part of a configuration profile. When a profile is selected as the active profile on the Main tab, the settings for that profile become active. An administrator can define up to 20 profiles, edit them, and delete them on the Profile tab in SCU. ***Profile changes made on the tab are saved to the profile only when the Commit button is pressed.***

Unless it is modified, the Default profile does not specify an SSID, EAP type, or method of encryption. If the Default profile is the active profile, then the radio will associate only to an access point that broadcasts its SSID and requires no EAP type and no encryption.

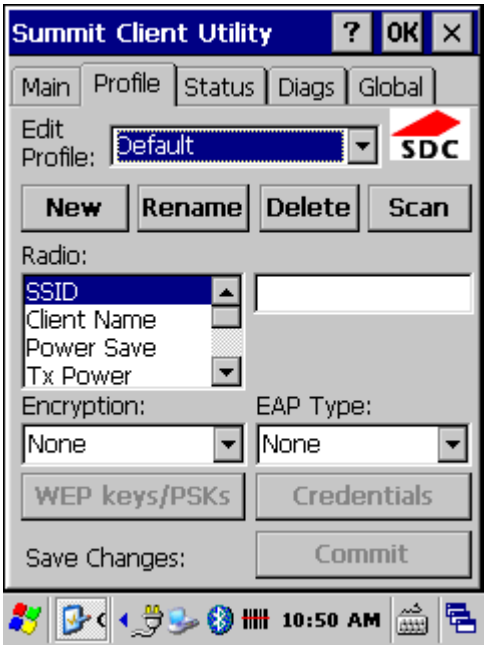


Figure 2-14 **Profile Tab**

- **Edit Profile:** This is used to select the profile to be viewed or, if you are an administrator, edited.
- **Actions:** Four actions are available, with the first three available only to an administrator:
  - ***New:*** Create a new profile with default settings and give it a unique name (and then change settings using other selections on the tab).
  - ***Rename:*** Give the profile a new name, one that is not assigned to another profile
  - ***Delete:*** Delete the profile, provided that it is not the active profile.
  - ***Scan:*** Open a window that lists access points that are broadcasting their SSIDs. Each time you tap the Refresh button, you view an updated list of APs, with each row showing an AP's SSID, its received

signal strength indication (RSSI), and whether or not data encryption is in use (true or false). You can sort the list by clicking on the column headers. If you are authorized as an administrator, select an SSID in the list, and tap Commit, you return to the Profile tab to create a profile for that SSID.

- **Radio:** Radio attributes in the list box can be selected individually. When an attribute is selected, the current setting or an appropriate selection box with the current setting highlighted appears on the right.
- **Security:** Values for the two primary security attributes, EAP type and encryption type, are displayed in separate dropdown lists, with the current values highlighted. When you as an administrator select an EAP type, the Credentials button appears; when you tap it, a dialog box appears that enables you to define authentication credentials for that EAP type. When you as an administrator select an encryption type that requires the definition of WEP keys or a pre-shared key, the PSKs/WEP Keys button appears; when you tap it, a dialog box appears that enables you to define WEP keys or a PSK.
- **Commit:** To ensure that changes to profile settings made on the tab are saved in the profile, you must tap the Commit button.

To cause a Summit radio to connect to a typical business WLAN, you must select a profile that specifies the SSID, EAP type, and encryption type supported by the WLAN:

- SSID: This is the name or identification of the WLAN.
- EAP type: This is the protocol used to authenticate the device and its user if the WLAN uses the Enterprise version of Wi-Fi Protected Access (WPA) and WPA2. SCU supports five EAP types: PEAP with EAP-MSCHAP (PEAP-MSCHAP), PEAP with EAP-GTC (PEAP-GTC), EAP-TLS, LEAP, and EAP-FAST
- Encryption: This specifies the type of key used to encrypt and decrypt transmitted data and how that key is specified or derived. Encryption options include:
  - WPA2 or WPA with dynamic keys (derived from the EAP authentication process)
  - WPA2 or WPA with pre-shared keys
  - Static WEP keys

Consult the user's guide for details on all profile settings, including security settings.

Status Tab

The Status tab provides status information on the radio.

- Active profile
- Radio's status: Down (not recognized), Disabled, Not Associated, Associated, or [EAP type] Authenticated
- Client info: Name, IP address, and MAC address
- AP info: Name, IP address, MAC address, beacon period, and DTIM interval
- Connection info: Channel, data rate, transmit power, signal strength, and signal quality

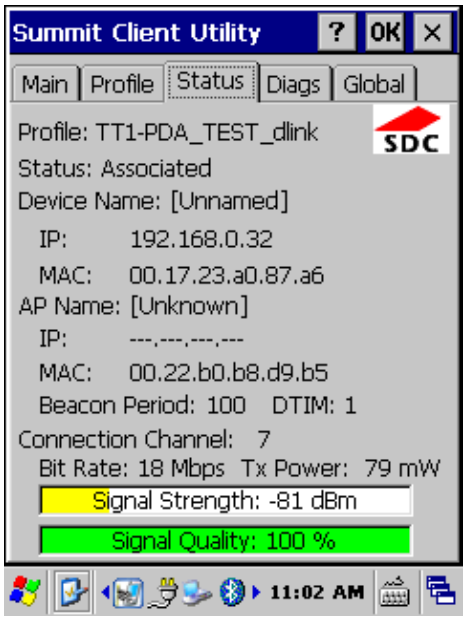


Figure 2-15 **Status Tab**

Diags Tab



Figure 2-16 **Diags Tab**

- **(Re)connect:** Disable and enable the radio, apply or reapply the current profile, and attempt to associate and authenticate to the wireless LAN, logging all activity in the output area at the bottom.
- **Release/Renew:** Obtain a new IP address through DHCP release/renew, and log all activity in the output area at the bottom.
- **Start Ping:** Start a continuous ping to the address in the edit box next to it. Once the button is clicked, its name and function will change to Stop Ping. Moving to an SCU window other than Status or Diags also will stop the ping, as will Pings will continue until you tap the Stop Ping button, move to an SCU window other than Diags or Status, exit SCU, or remove the radio.
- **Diagnostics:** Attempt to (re)connect to an AP, and provide a more thorough dump of data than is obtained with (Re)connect. The dump will include radio state, profile settings, global settings, and a BSSID list of APs in the area.
- **Save To...:** Save the diagnostics output to a file.

Global Tab

Global settings include:

- Radio and security settings that apply to all profiles
- Settings that apply to SCU itself

An administrator can define and change most global settings on the Global Settings Tab in SCU.

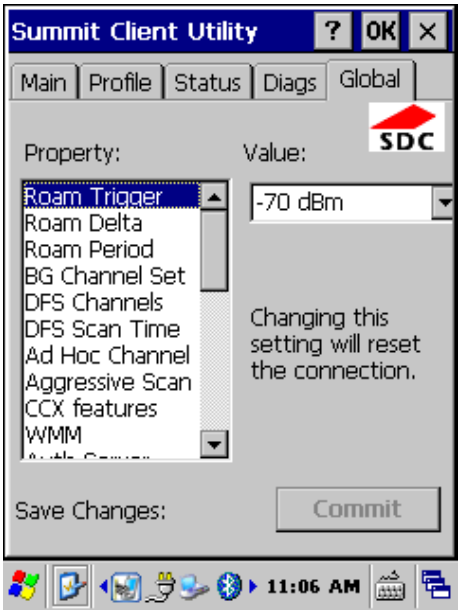


Figure 2-17 **Global Tab**

The default setting for each global setting ensures reliable operation in most environments. Consult the user's guide for details on all global settings.

2.5.7 Reading barcodes, 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. Select **Start > Setting > Control Panel > Barcode Controls**; complete all configurations following all description of **3.2.1 Barcode Controls**.
3. Run the **WordPad** software program.
4. Press one of the three barcode reader trigger buttons.
5. Aim the scanning beam at the center of barcode.
6. Good scanning position.

   The reading range is from 40 to 300mm distance.

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



7. 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.



8. upon reading a barcode, 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 Reading barcodes, 2D CMOS version.

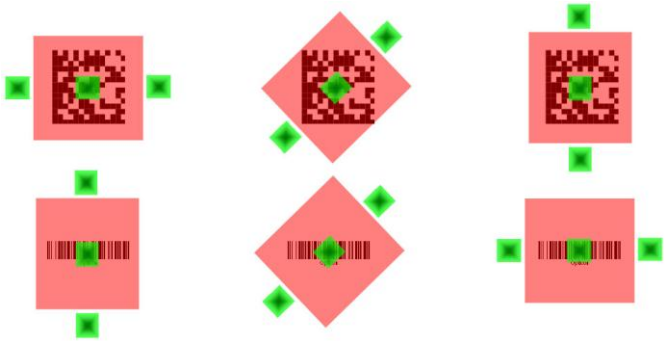
The 2D CMOS version can read both 1D and 2D bar codes. To use the scanning function, complete the following steps:

1. If you have not already done so, remove the protective plastic film before using devices equipped with a 2D CMOS bar code reader.

2. Select **Start > Setting > Control Panel > Barcode Controls**
3. Run the **WordPad** software program.
4. Press one of the three bar code reader trigger buttons.
5. Aim the scanning beam at the center of bar code. To assists in aiming, there are 4 green aiming light spots. The bar code should be between the outside 2 green spots. The scanner is in focus in case the center 2 green spots joins into 1 spot.



5. Good scanning position.
   The reading range is from 45 to 260mm distance.
   1) Decrease the scanning distance to the bar code when scanning small barcodes.
   2) Increase the scanning distance from the bar code when scanning large barcodes
   3) The bar code should be located within the green light spots
   4) The scanning area is visible by a red illumination area.



6. Bad scanning position.
   1) Make sure that the laser beam sweeps across whole barcode.
   2) Scanning operations may fail if the illumination 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.

2.5.9 Installing the Micro SD Card

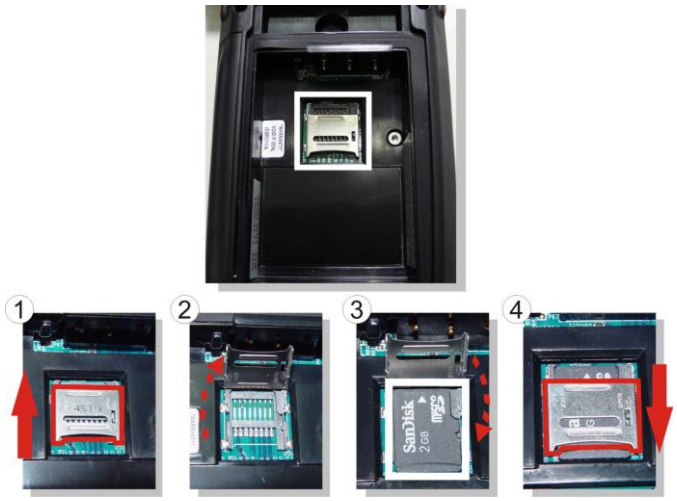
1. Turn the locking latches (right and left) downwards and lift the battery cover away from the Device.

Figure 2-18 **Detach the battery cover from Device**



2. Detach Micro SD Holder and Insert the Micro SD Card into the Micro SD compartment.

Figure 2-19 **Detach the SD Holder from Device**



2.6 Power management

2.6.1 Suspend Mode

The Device 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 Device, Press the key again for the Device 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 Device is not in use.

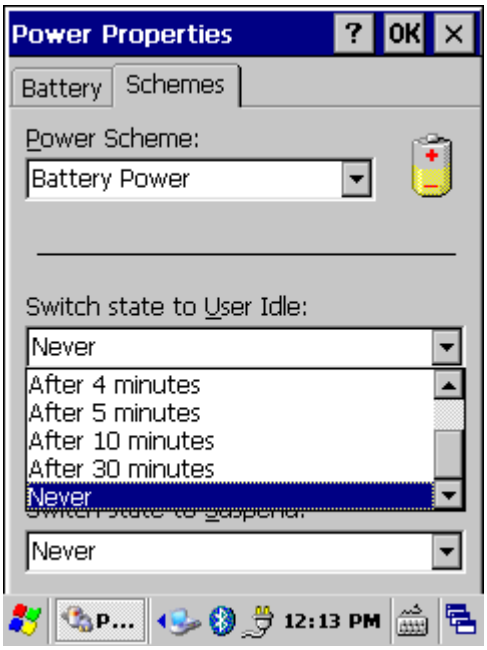


Figure 2-20 **Schemes Tab-Idle**

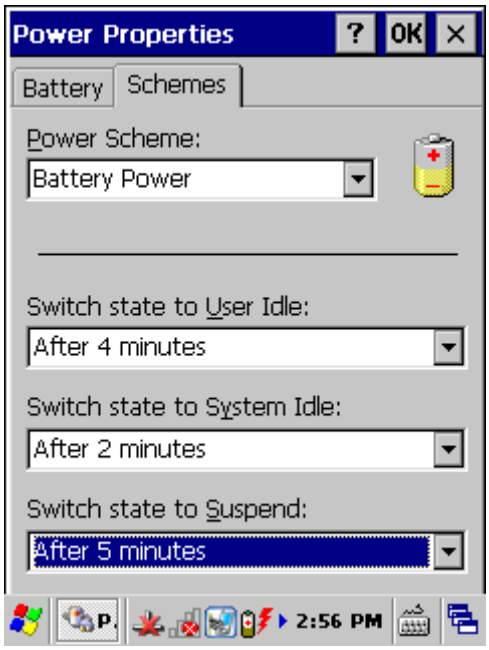


Figure 2-21 **Schemes Tab-Suspend**

Suspending:

The following conditions will suspend:

- Press <**Power**> key while the Device is on.
- The duration timer of item "**Switch state to Suspend"** expires, which indicates that there has been no use for a specified of time.
- The battery pack is completely discharged.

2.6.2 Resuming

Use one of following methods to resume (wake up the Device):

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

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

2.7 Resetting the Device

2.7.1 Software (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 a warm reset, press “**Fn**” + “**Alpha**” + “**Enter**” buttons 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

1) You can use Cold Reset to initiate device if WinCE.NET OS lock up or Warm Reset still can’t work
2) To perform Cold Reset, press “**Fn**” + “**Power**” + “**Enter**” buttons simultaneously.
3) Device will initiate boot up after Cold Reset.

CAUTION:

Only use the Warm Reset. 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’s better usually to back up your files to Flash ROM, Flash Card or PC.

Chapter 3. Setting

3.1 Introduction

To view available options for device setting, tap **Start > Settings**. Then, there are three items inside "**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**.

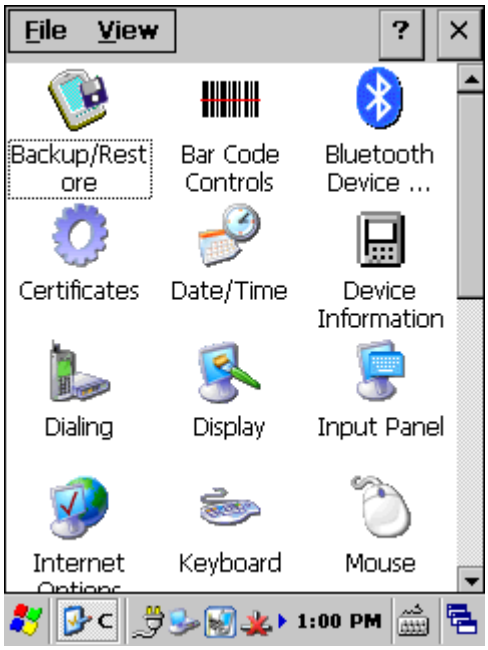


Figure 3-1 **Control Panel**

3.2.1 BarCode Controls

CAUTION：Please do not enter into any Barcode Application Program before settings completing this Barcode.



There are five Tabs for barcode scanner configuration setting: "**Scan**" Tab, "**Format**" Tab, "**Bar Codes**" Tab, "**Settings**" Tab and "**Others**". In addition, there is "**Settings**" for the "Code Configure" Tab.

3.2.1.1 “Scan” Tab

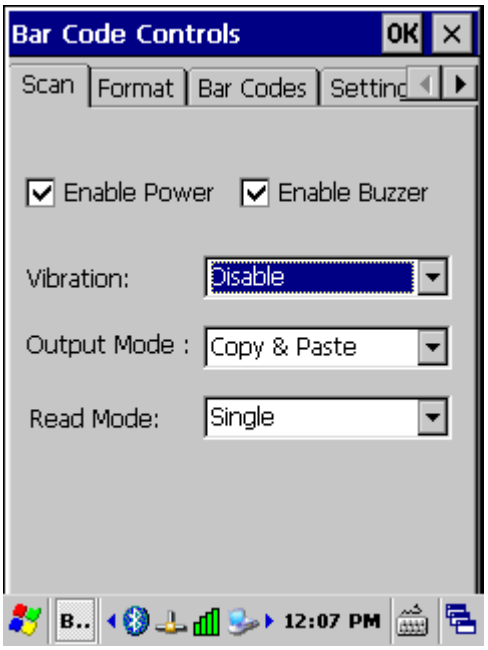


Figure 3-2 **Scan Tab**

Table 3-1 **Basic Description**

Field Name	Description	
Enable Power	To Enable/Disable Barcode Engine Power. Default set to Enable.	
Enable Buzzer	To Enable/Disable Buzzer Power. Default set to Enable.	
Vibration	Default set to Disable. To Select Vibration type; “Disable”, “Short”, “2 Times”, “Long”.	
Output Mode	Select a method based upon the barcode scanning application you will use.	
	Key Emulation	A unit continues a unit, fast showing barcode number.
	Copy & Paste	Once show barcode number.
	Clipboard	Not show the barcode number.
Read Mode	To Setup Barcode scan engine Single or Multiple Read	

3.2.1.2 “Format” Tab

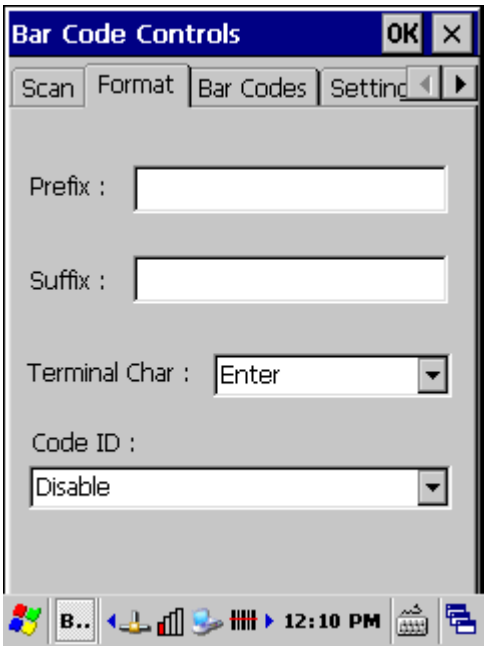


Figure 3-3 **Scan Tab**

Table 3-2 **Basic Description**

Field Name	Description	
Prefix	Type the desired label prefix in this text box	
Suffix	Type the desired label suffix in this text box	
Terminal Char	None	After showing barcode, do not action
	Enter	After showing the barcode, jump to next row
	Space	After showing the barcode, jump one unit
	Tab	After showing the barcode, jump a section
Code ID	Default set to Disable. When use “Code ID” , the “Prefix” function will disable automatically. Select : “Opticon ID”, ”AIM/ISO15424 ID”, “Opticon ID + Length(2/6)”, “AIM/ISO15424 ID + Length(2/6)”, “Opticon ID + Length(6/6)”, “AIM/ISO15424 ID + Length(6/6)”.	

3.2.1.3 “Bar Codes” Tab:

Select the barcode symbologies you plan to scan from the list. Tap to enable/disable the desired symbologies.

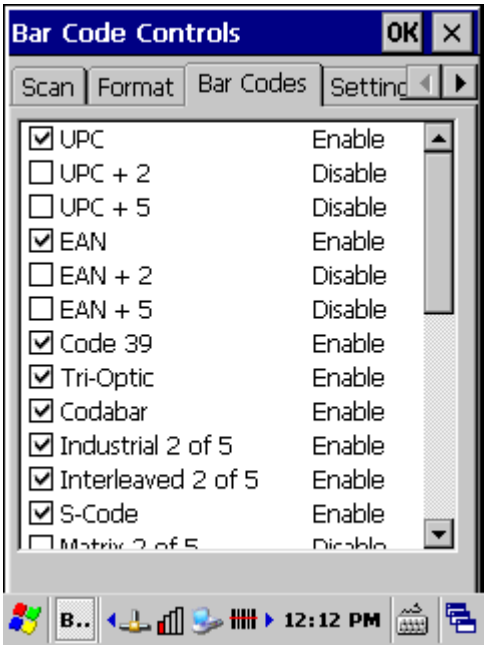


Figure 3-4 **Bar Codes Tab**

Table 3-3 **Bar Codes Description**

Barcode Symbology		Description
☑	UPC	Universal Product Code. The standard bar code type for retail products in the United States
☐	UPC + 2	Universal product code seen on almost all retail products in the USA and Canada
☐	UPC + 5	Universal product code seen on almost all retail products in the USA and Canada
☑	EAN	European Article Numbering system. The international standard bar code for identifying packages, shipping containers, parts practically anything
☐	EAN + 2	Added for a total of 14 data digits
☐	EAN + 5	Added for a total of 17 data digits
☑	Code 39	General-purpose code in very wide use worldwide
☑	Tri-Optic	Media Barcodes
☑	Codabar	Older code often used in library systems, sometimes in blood ban
☑	Industrial 2 of 5 / IATA	Older code not in common use

☑	Interleaved 2 of 5	Compact numeric code, widely used in industry, air cargo, other applications
☑	S-Code	This symbology encodes like Interleaved 2 of 5 but encodes the last data character as Industrial 2 of 5. The number of data digits is therefore always an odd number
☐	Matrix 2 of 5	Used in miscellaneous industrial applications, and mechanical numbering systems
☐	Chinese Post	Used by China Postal Service for automated mail sorting
☐	Korean Postal	Authority code is a fixed length numeric symbology with a mandatory check digit
☑	IATA	A variable length symbology with an optional check digit and non printable start/stop characters
☑	MSI / Plessey	MSI: Variation of the Plessey code commonly used in USA. Plessey: Older code commonly used for retail shelf marking.
☑	Telepen	A variable length symbology with an optional check digit and non printable start/stop characters
☑	UK / Plessey	A variable length symbology with a mandatory checksum and non printable start/stop characters
☑	Code128	A variable length symbology with a mandatory check digit and non printable start/stop characters
☑	Code 93	Compact code similar to Code 39.
☐	Code 11	Used primarily for labeling telecommunications equipment.
☐	RSS 14	Reduced Space Symbology. Application Identifier "01" and 14 digits
☐	RSS Limited	Reduced Space Symbology. Application Identifier "01" and 14 digits
☐	RSS Expanded	Reduced Space Symbology. 74 numeric or 41 alpha characters
☑	PDF417	A variable size multi row (stacked) symbology with selectable error correction levels
☑	Micro PDF417	A variable size multi row(stacked) symbology with fixed error correction levels

3.2.1.4 “Settings” Tab:

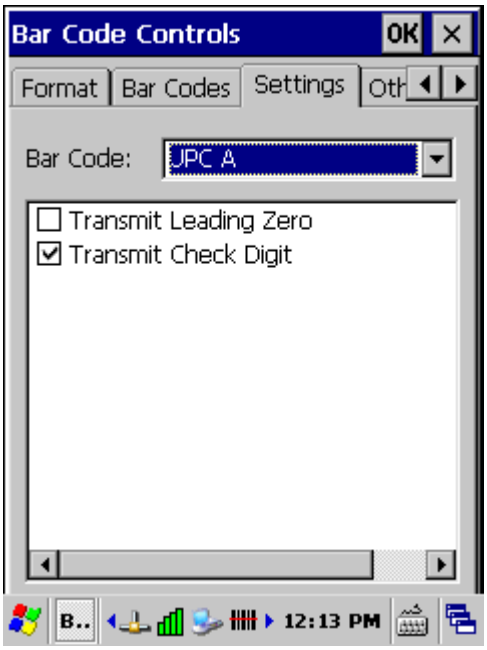


Figure 3-5 **Settings Tab**

Table 3-4 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☐ Transmit Leading Zero	After showing the barcode, jump to next row
☑ Transmit Check Digit	Whether send check digit by barcode

Barcode Symbologies List

3.2.1.4.1 UPC A

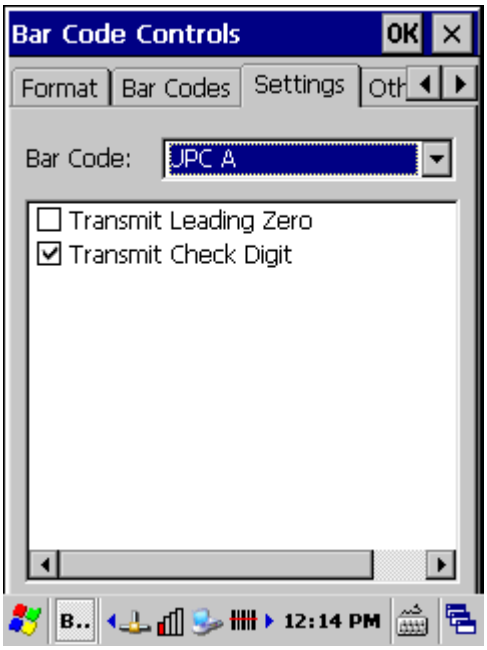


Figure 3-6 **UPC A**

Table 3-5 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☐ Transmit Leading Zero	After showing the barcode, jump to next row
☑ Transmit Check Digit	Whether send check digit by barcode

3.2.1.4.2 UPC E

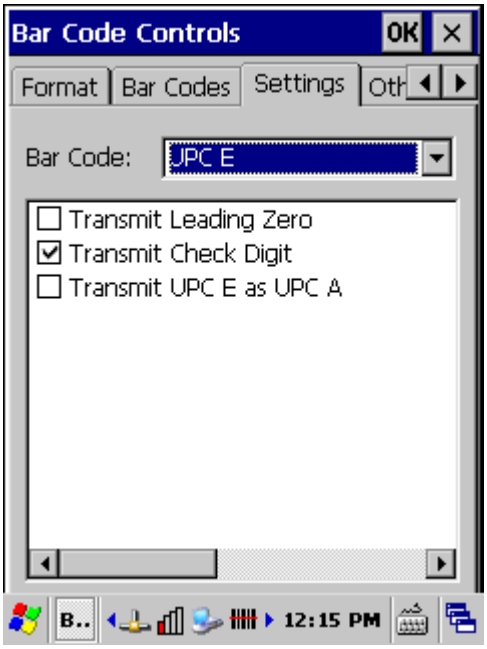


Figure 3-7 **UPC E**

Table 3-6 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☐ Transmit Leading Zero	After showing the barcode, jump to next row
☑ Transmit Check Digit	Whether send check digit by barcode
☐ Transmit UPC E as UPC A	UPC-E label is transmitted in the UPC-A format

3.2.1.4.3 EAN

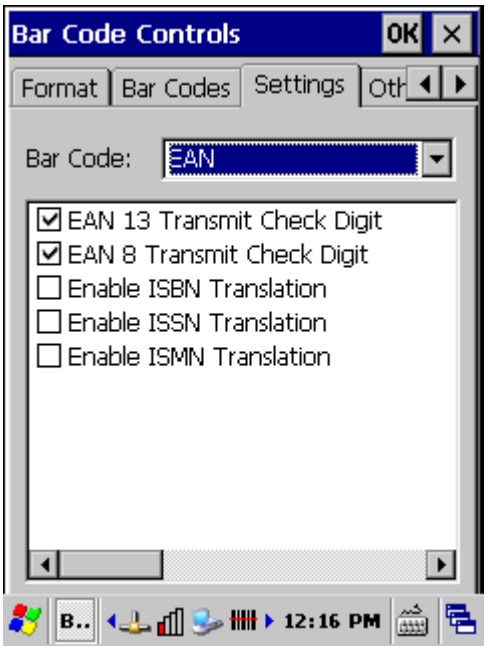


Figure 3-8 **EAN**

Table 3-7 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ EAN 13 Transmit Check Digit	Whether send check digit by barcode
☑ EAN 8 Transmit Check Digit	Whether send check digit by barcode
☐ Enable ISBN Translation	EAN-13 label is verified for the correct format and transmitted as a 10-digit ISBN number, 8 digit ISSN number.
☐ Enable ISSN Translation	
☐ Enable ISMN Translation	In case of ISMN, the character M is transmitted followed by 9 digits

3.2.1.4.4 Code 39

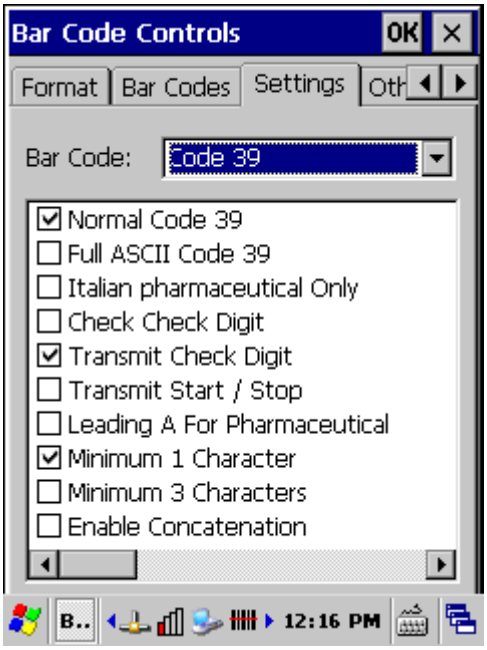


Figure 3-9 **Code 39**

Table 3-8 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Normal Code 39	The decoded data characters are transmitted without further translation
☑ Transmit Check Digit	Whether send check digit by barcode
☑ Minimum 1 Character	-----

3.2.1.4.5 Codabar

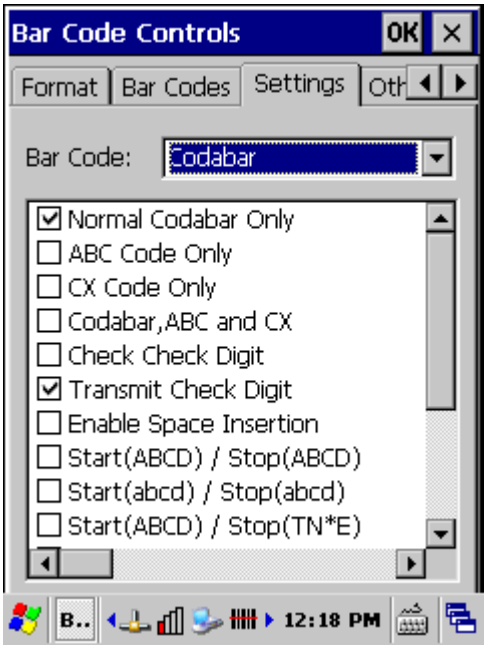


Figure 3-10 **Codabar**

Table 3-9 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Normal Codabar Only	The decoded data characters are transmitted without further translation
☑ Transmit Check Digit	Whether send check digit by barcode

3.2.1.4.6 Code 2 of 5 / S-Code

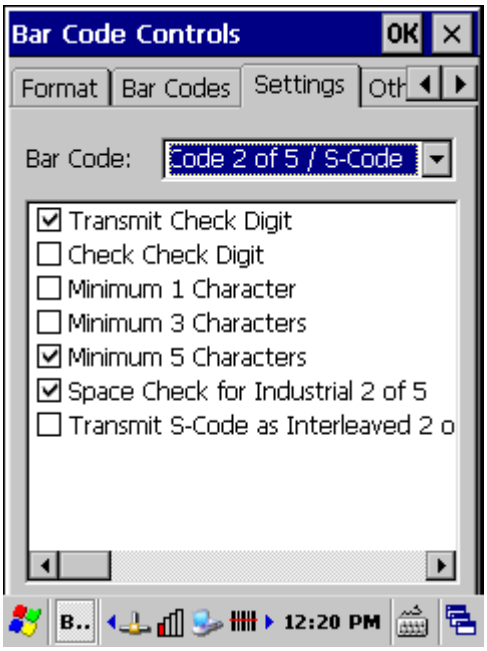


Figure 3-11 **Code 2 of 5 / S-Code**

Table 3-10 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Transmit Check Digit	Whether send check digit by barcode
☑ Minimum 5 Characters	-----
☑ Space Check for Industrial 2 of 5	The reading of Industrial 2 of 5 labels with a large or irregular spacing

3.2.1.4.7 IATA

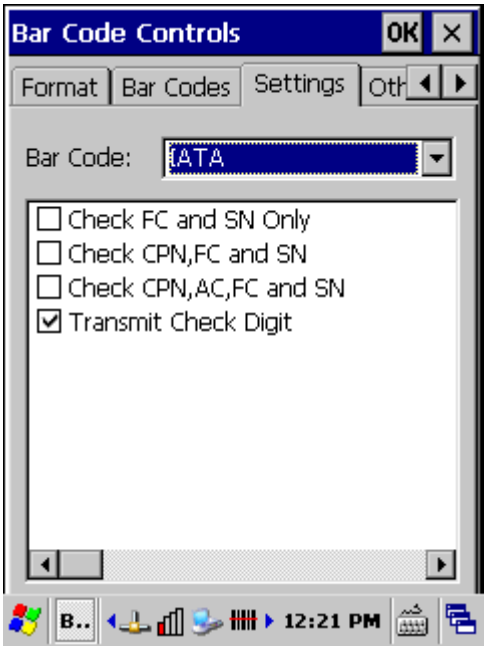


Figure 3-12 **IATA**

Table 3-11 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Transmit Check Digit	Whether send check digit by barcode

3.2.1.4.8 MSI / Plessey

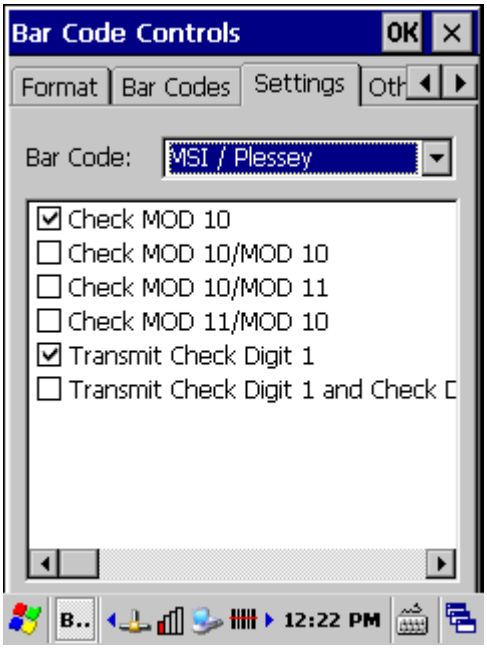


Figure 3-13 **MSI / Plessey**

Table 3-12 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Check MOD 10	The character position CD2 is not transmitted
☑ Transmit Check Digit 1	Whether send check digit by barcode

3.2.1.4.9 Telepen

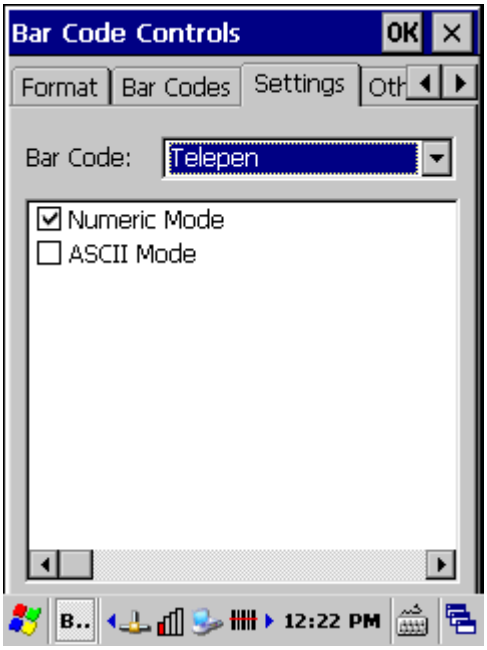


Figure 3-14 **Telepen**

Table 3-13 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Numeric Mode	The digits 00 up to 99

3.2.1.4.10 UK / Plessey

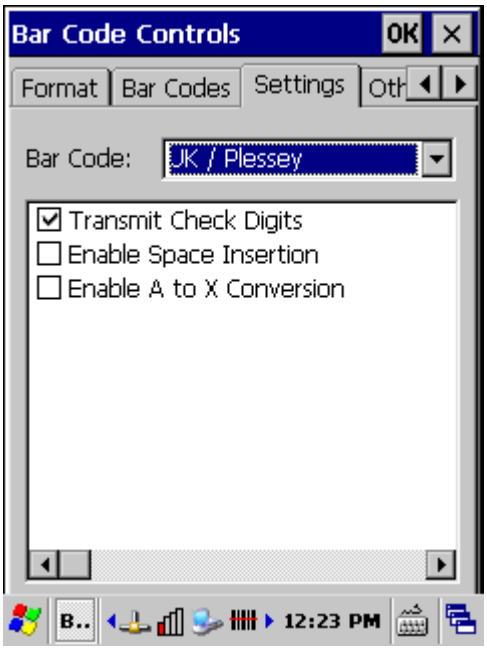


Figure 3-15 **UK / Plessey**

Table 3-14 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Transmit Check Digits	Whether send check digit by barcode

3.2.1.4.11 Code 128

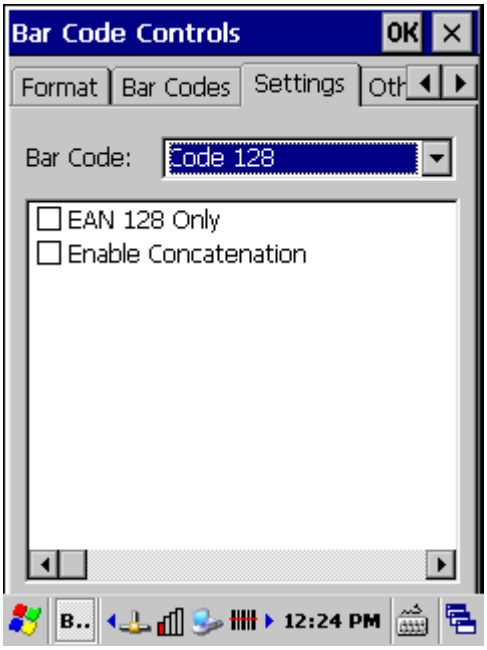


Figure 3-16 **Code 128**

Table 3-15 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☐ EAN 128 Only	The decoded data characters are translated to the EAN 128 format
☐ Enable Concatenation	-----

3.2.1.4.12 Code 93

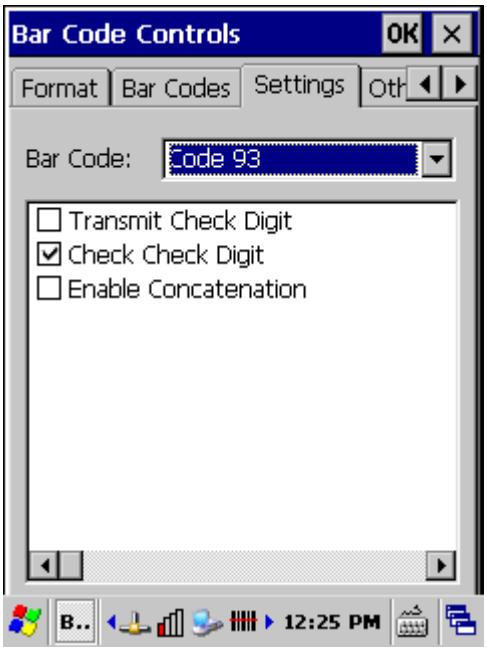


Figure 3-17 **Code 93**

Table 3-16 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Check Check Digits	The check digits are not transmitted

3.2.1.4.13 Code 11

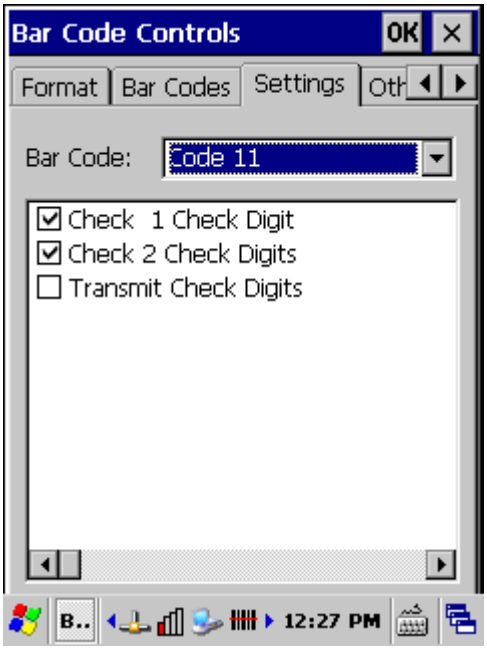


Figure 3-18 **Code 11**

Table 3-17 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Check 1 Check Digit	The check digits are not transmitted
☑ Check 2 Check Digits	The check digits are not transmitted

3.2.1.4.14 Korean Postal

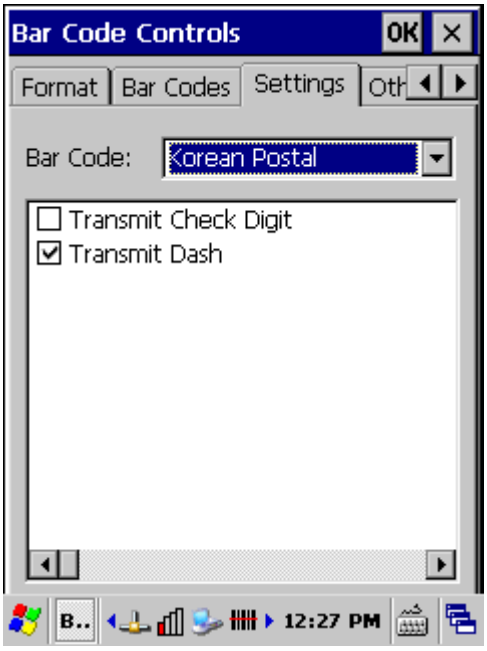


Figure 3-19 **Korean Postal**

Table 3-18 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Transmit Dash	The dash character '-' (hex 2D) is Transmitted

3.2.1.4.15 RSS

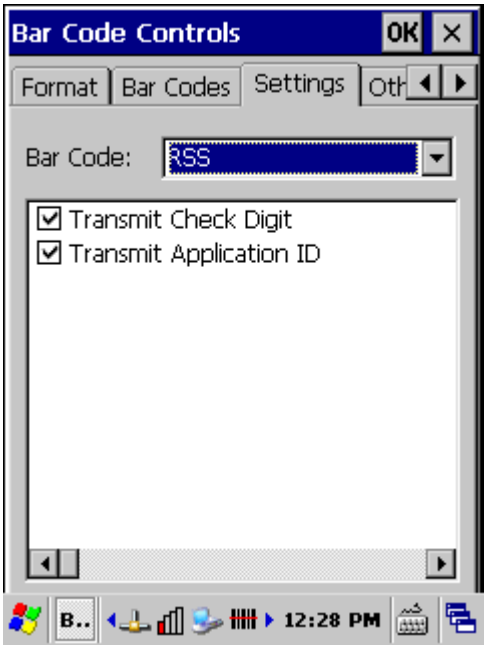


Figure 3-20 **RSS**

Table 3-19 **Settings Description**

Field Name	Description
Barcode	To select a type of barcode you wish to set
☑ Transmit Check Digit	Whether send check digit by barcode
☑ Transmit Application ID	Transmission of Application ID

3.2.1.5 “Others” Tab:



Figure 3-21 **Others Tab**



Figure 3-22 **Set to Factory Default**



Figure 3-23 **Barcode Firmware Version**

Table 3-20 **Caption Description**

Button Caption	Description
Factory Default	To set all Barcode parameters to factory default
Firmware Version	To get firmware version from Barcode engine

3.2.1.6 Barcode Setup

A. Tap “**X**” on top right site, to reset all configuration setting of this barcode into default values, and without Saving.

B. Tap “**OK**” on top right site, to be decided setting of this barcode. and Save the Settings.

3.2.2 Backup/Restore

Table 3-21 **Backup/Restore**

ICON	ITEM & FUNCTION
	1. You can backup/restore system to/from flash disk or inserted memory card.**(FlashDisk, or SD Card) (Figure 3-24)** 2. When you launch this AP, it must check backup file in FlashDisk first. And if you select other storage, it will check again. 3. Then if it has the file, appeared its date behind “Last backup date:”; if not, disable “Restore Now” Button. 4. When you press the Backup/Restore Button will be a warning dialog pop up.**(Figure 3-25)** 5. When system backup/restoring finished will be a message dialog will pop up.**(Backup: Figure 3-25 Restore: Figure 3-27)**



Figure 3-24 **Backup/Restore Windows**



Figure 3-25 **Backup Start**



Figure 3-26 **Backup OK**



Figure 3-27 **Restore Start**



Figure 3-28 **Restore OK-Warm Boot Now**

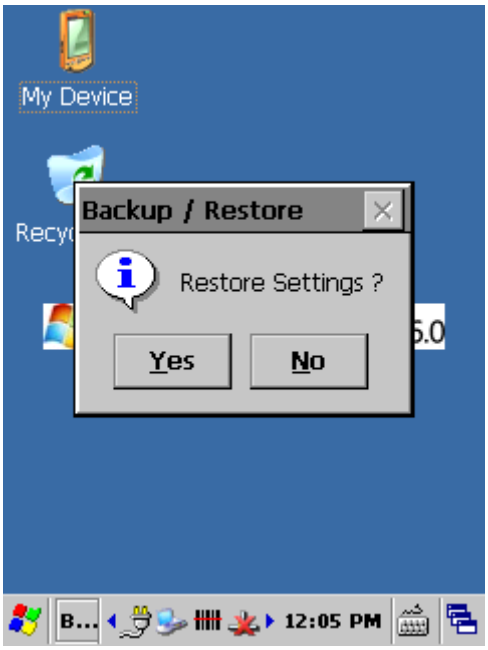


Figure 3-29 **Restore Settings after Cold Boot**

3.2.3 Bluetooth Device Properties

Note: Here are two ways to use Bluetooth Device.

1. Tap “Start” > “Programs” > “Bluetooth” > “Bluetooth Manager”.
2. Tap “Start” > “Settings” > “Control Panel” > “Bluetooth Device Properties”.

Table 3-22 **Bluetooth Device Properties**

ICON	ITEM & FUNCTION
	• **“BT Service” Tab:** (**Figure 3-30**)
	✓ Tap “**Bluetooth Device Properties**” to enable Bluetooth device**(Figure 3-30)**.
	✓ Wait for 10 seconds in order to initialize the Bluetooth hardware correctly.
	✓ Tap the “**Scan Device”** button to initiate a scan for Bluetooth hardware. The Bluetooth manager lists the Bluetooth devices that it finds, see **Figure 3-33**. If Bluetooth hardware is not found the *Bluetooth Hardware Error* window appears, see **Figure 3-34**. **Table 3-23** described the Bluetooth Icons.
	✓ Double tap the device to connect to on the device list. The Bluetooth Manager Authentication window appears. Tap **No** to connect to the device without authentication, or tap **Yes** to authenticate the device before connecting. (**Figure 3-35**)
	✓ If the **Yes** button was selected in the Bluetooth Manager Authentication window, the enter PIN windows appears. Enter a PIN (between 1 and 16 characters) in the *Enter PIN:* text box, and tap **OK**. The mobile computer sends the PIN request to the device for bonding. (**Figure 3-36**)
	✓ 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. (**Figure 3-37**)
	• **“Serial Port” Tab:** (**Figure 3-38**)
	✓ Tap “Start” > “Programs” > “Bluetooth” > “Bluetooth SPP Manager” and Tap “Scan Device”
	✓ Wait for 10 seconds in order to initialize the Bluetooth hardware correctly
	✓ Select which device you want to use

	✓ If want to use Virtual com, only SPP base profiles are supported.(i.e. Printer, Modem, and LAP).Switch to “Serial Port” tab, and will see the devices you had trusted or active. Select the device that you want to map a virtual com and which virtual com you want to use see **Figure 3-38** ✓ Now COM6 has mapped for BT device see **Figure 3-40**



Figure 3-30 **Bluetooth Device Properties**

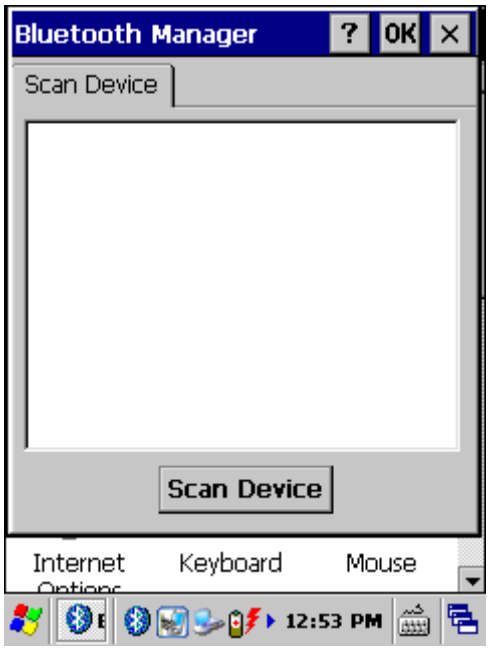
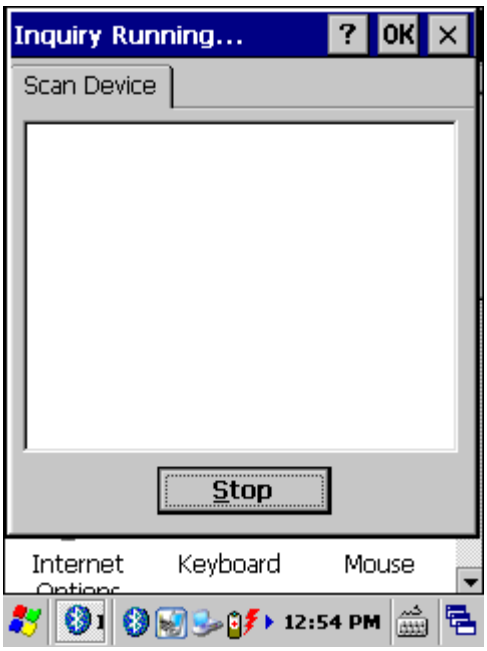
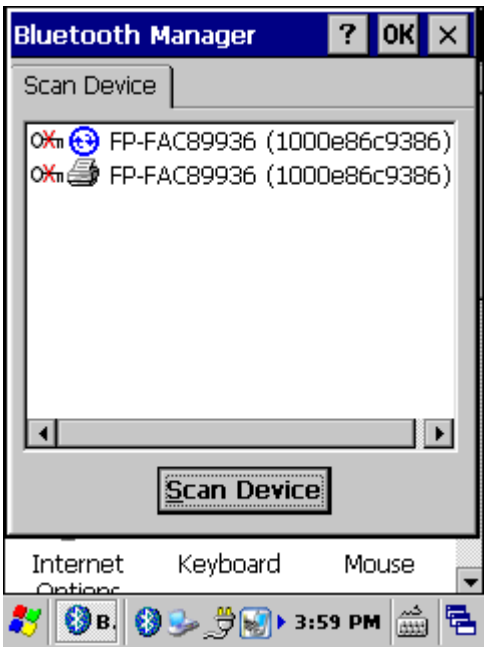


Figure 3-31 **Bluetooth Device Properties**



3-32 **Bluetooth Manager Windows**



3-33 **Bluetooth Manager Windows**

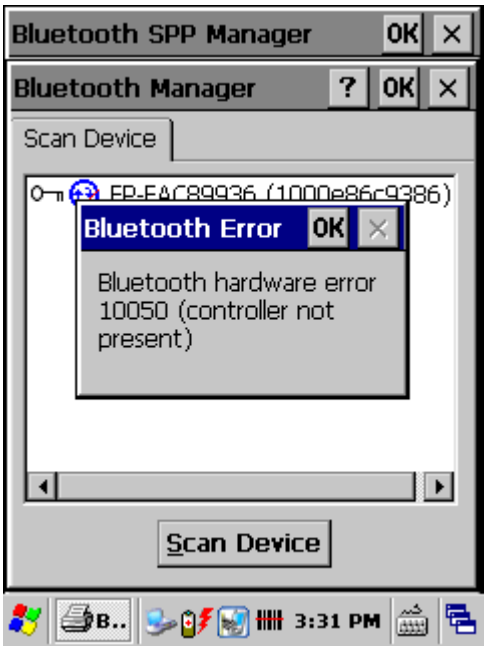


Figure 3-34 **Bluetooth Error Windows**

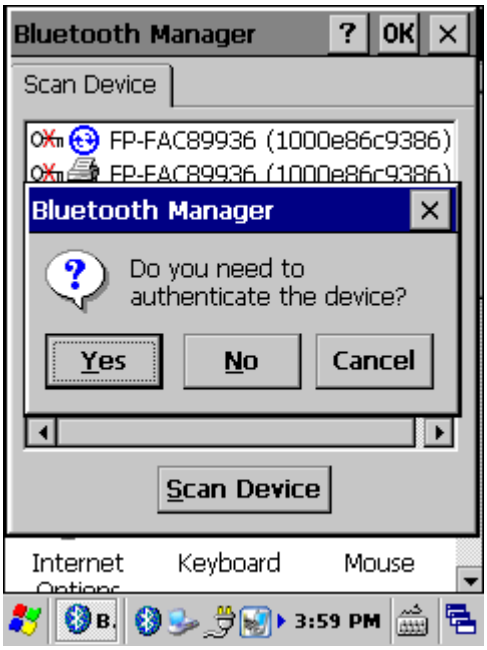


Figure 3-35 **Bluetooth Authenticate Windows**

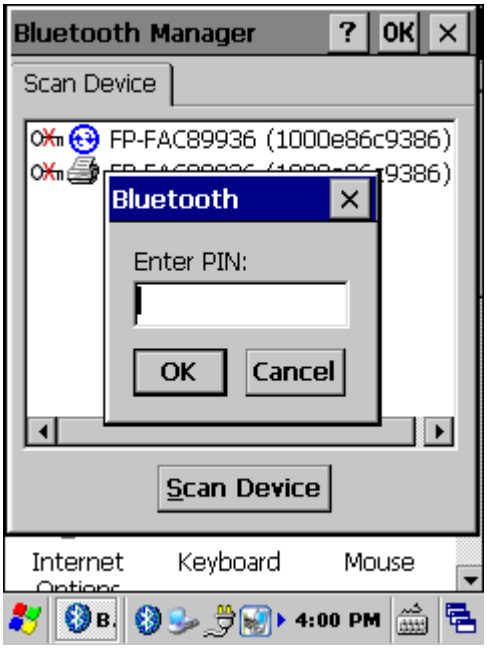


Figure 3-36 **Bluetooth Enter PIN Windows**

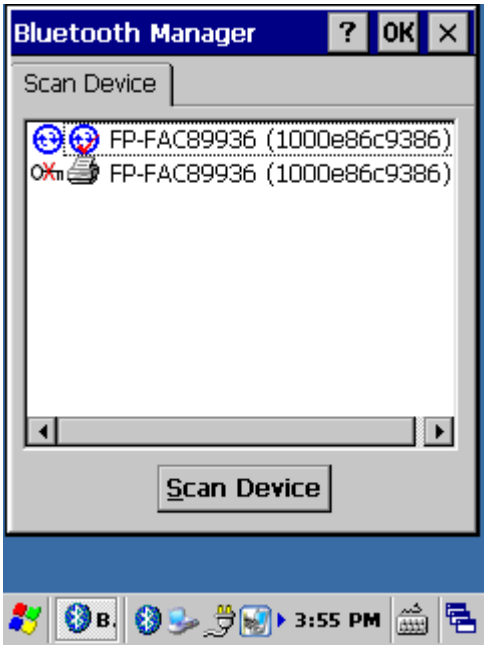


Figure 3-37 **Bluetooth Manager Windows**

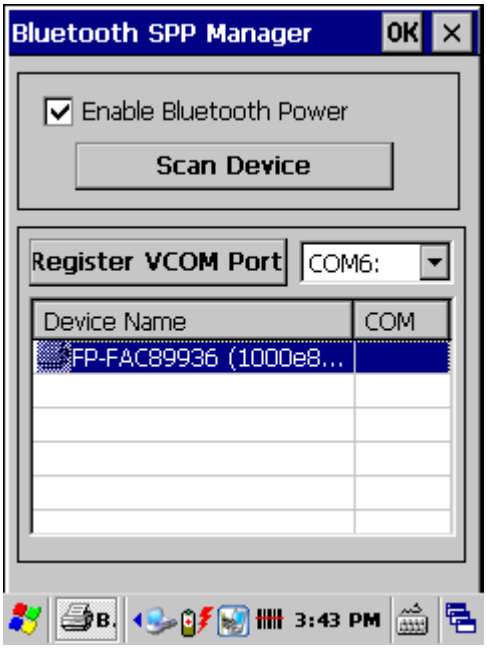


Figure 3-38 **Bluetooth SPP Manager**

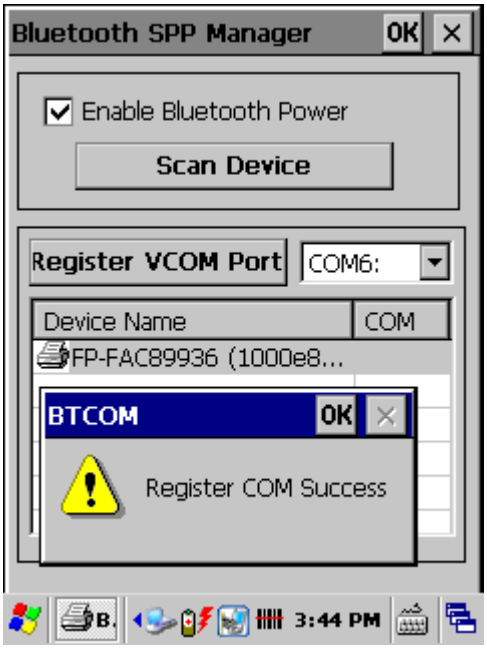


Figure 3-39 **Bluetooth Register COM Success**

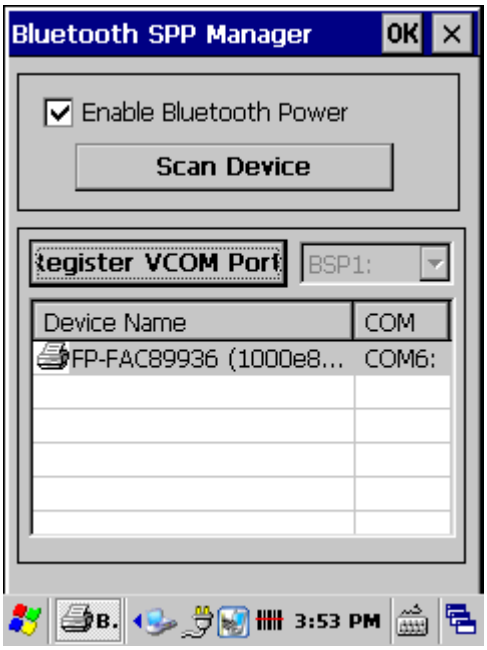


Figure 3-40 **Bluetooth Register COM6**



Figure 3-41 **Bluetooth File Sync**

Note: If the device to which the mobile computer 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 mobile computer.

Table 3-23 **Bluetooth Icon**

Icon		Description
	Unknown device icon	Device is not defined
	Locked icon	Device is locked and cannot 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.

3.2.4 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.

Table 3-24 **Certificates**

ICON	ITEM & FUNCTION
 Certificates	• “**Store**” **Tab:** (**Figure 3-43**)
	✓ In the Stores tab, select the certificate store you wish to view or modify from the drop-down list (**Figure 3-43**). ✓ The “**Trusted Authorities** “store lists the top-level certificates for authorities you trust.**(Figure 3-43)** ✓ The “**My Certificates** “store contains your personal certificates, which you use to identify yourself ✓ Intermediate certificate authorities that help establish a chain of trust are stored in the “**Other Authorities**” store
	• “**Store**” **Tab: (Figure 3-44)**

	✓ To add a certificate or associated private key to the selected store, select “**Import**”**(Figure 3-44, Figure 3-45)** ✓ To view more details of the selected certificate, such as the expanded name or expiration date, choose “**View**” **(Figure 3-46)** ✓ To delete the selected certificate from the store, choose “**Remove**”

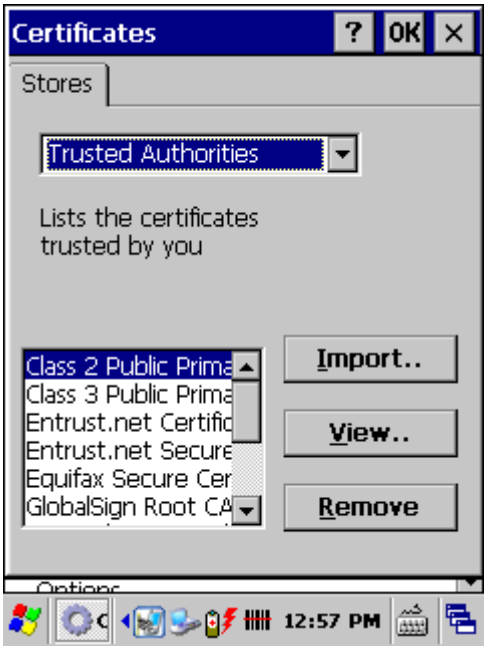


Figure 3-42 **Certificates**

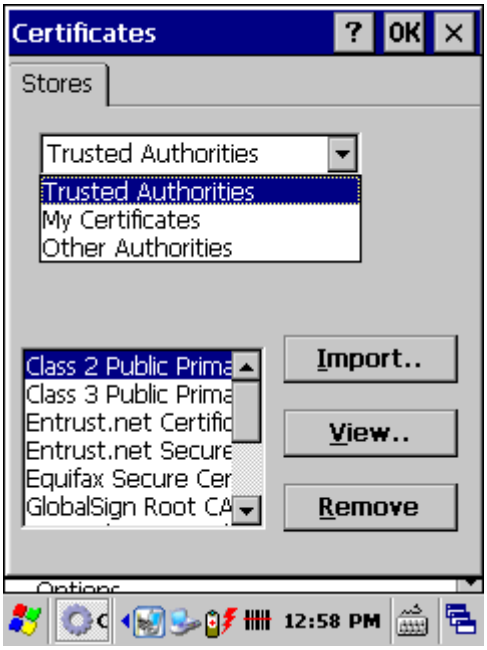


Figure 3-43 **Certificates**

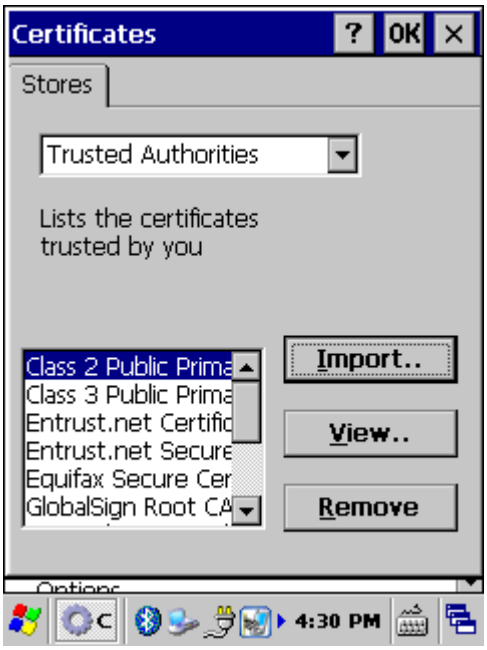


Figure 3-44 **Certificates-Import**

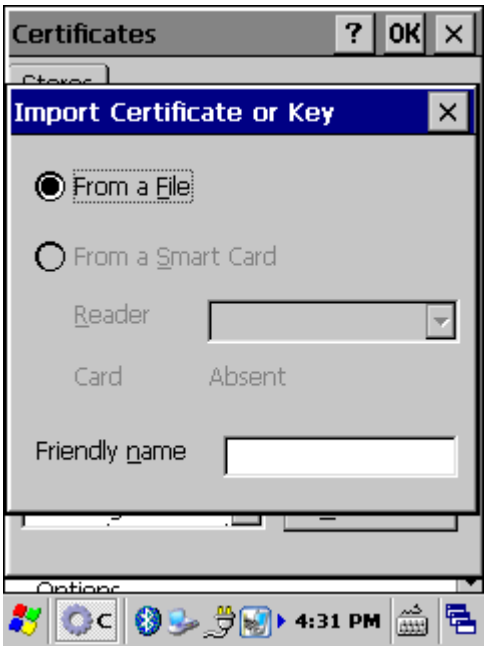


Figure 3-45 **Certificates-Import**



Figure 3-46 **Certificates-View**



Figure 3-47 **Certificates-Help**

3.2.5 Date/Time

Table 3-25 **Date/Time**

ICON	ITEM & FUNCTION
 Date/Time	• **"Date/Time" Tab: (Figure 3-48)**
	✓ Please see the detail information of Chapter **2.5.1 Setting Time and Date**

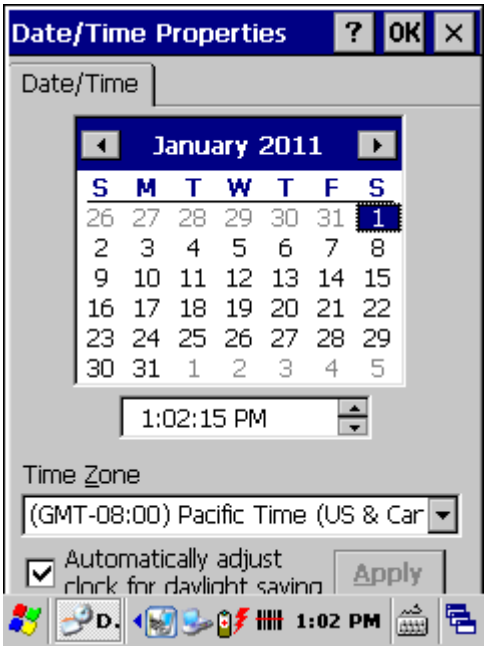


Figure 3-48 **Date/Time Windows**

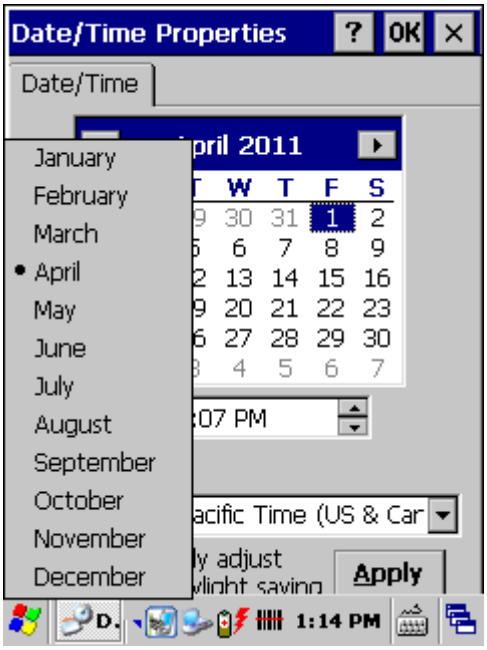


Figure 3-49 **Date/Time Windows**

3.2.6 Device Information

Provide Firmware version, Software version, Configuration No, Serial No, Flash ROM size, RAM size, WIFI MAC address, and Bluetooth ID

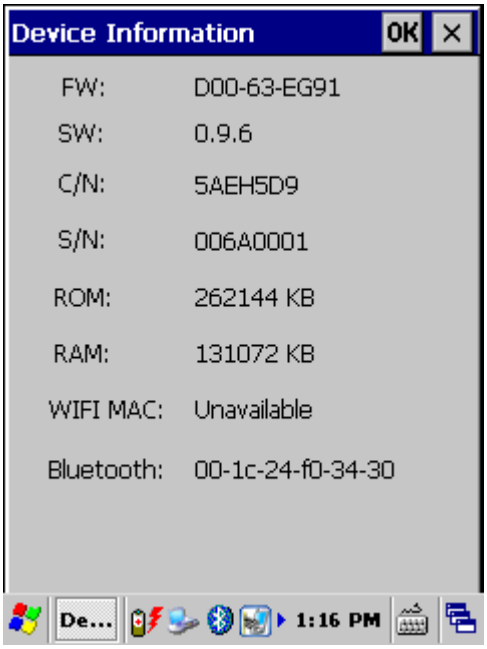


Figure 3-50 **Device Information**

3.2.7 Dialing Properties

Table 3-26 **Dialing properties**

ICON	ITEM & FUNCTION
 Dialing	• **"Dialing Properties" Tab: (Figure 3-51)**
	✓ In the **When dialing from** list, select the "**Location"** where you want to change settings.**(Figure 3-52)** ✓ To create a new location, select "**New**". Enter the name of the location, and then select "**OK**".**(Figure 3-53)** ✓ Enter or edit the area code and local country code as needed. ✓ In **Dial using**, select "**Tone dialing**" or "**Pulse dialing**". Most phone lines are tone. ✓ To automatically disable call waiting, select "□ **Disable call waiting by dialing**", select the appropriate number sequence in the list, or enter a new sequence.
	• **Editing dialing patterns: (Figure 3-54)**
	✓ Using the codes listed in the topic; revise the dialing patterns as needed.

	Notes: ■ If you need to use character other than the ones listed here, use manual dialing. ■ Hyphens and spaces in dialing strings are ignored. ■ Some modems may not respond to the following characters, even though your device lets you add them to the dial string.



Figure 3-51 **Dialing Properties**



Figure 3-52 **Dialing Properties**



Figure 3-53 **Dialing Properties**

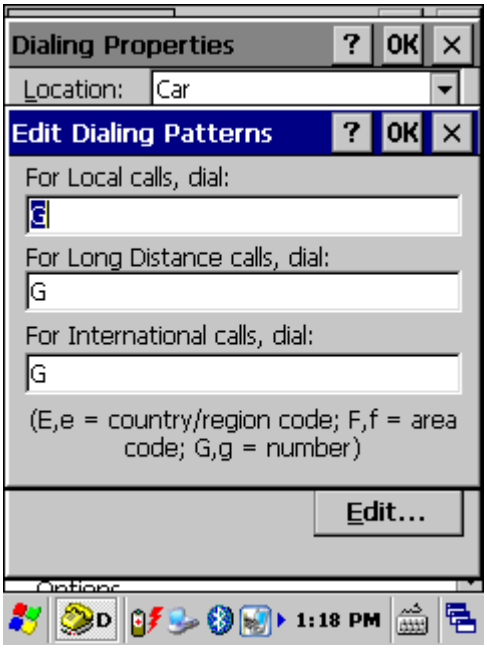


Figure 3-54 **Dialing Properties**

3.2.8 Display Properties

Table 3-27 **Display properties**

ICON	ITEM & FUNCTION
 Display	• **"Background" Tab: (Figure 3-55)**
	✓ From the "**Image**" list, select an image you want as the background of the desktop.(**Figure 3-56)** ✓ To locate an image in another folder, select "**Browse**".(**Figure 3-59)** ✓ To have the image cover the entire background, select " □ **Tile image on background** "
	• **"Appearance" Tab: (Figure 3-60)**
	✓ Change the color scheme:(**Figure 3-61)** ➢ From the" **Scheme**" list, select a scheme. ➢ View your choice in the preview box. If you like the scheme, select "**Apply**". ✓ Create a custom color scheme: ➢ From the "**Item**" list, select a display item. ➢ From the "**Basic colors**" list, select a color, and select "**OK**". ➢ View your color selection(s) in the Preview box. ➢ To save the scheme, select "**Save**". ➢ In the "**Save this color scheme as**" box, enter a name for the scheme, and select "**OK**". ➢ Select "**Apply**".

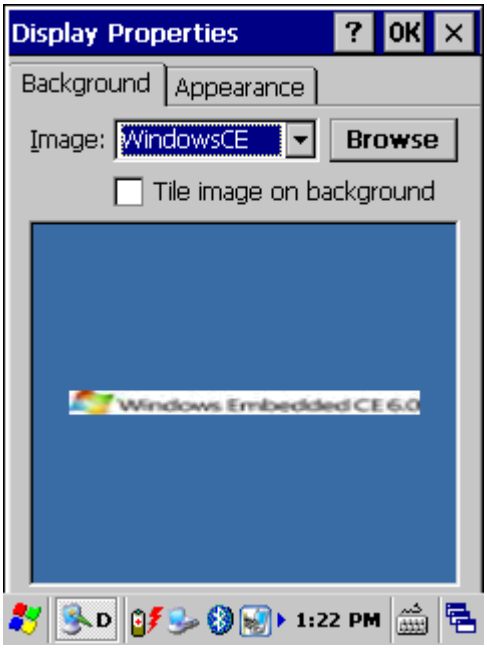


Figure 3-55 **Display Properties**

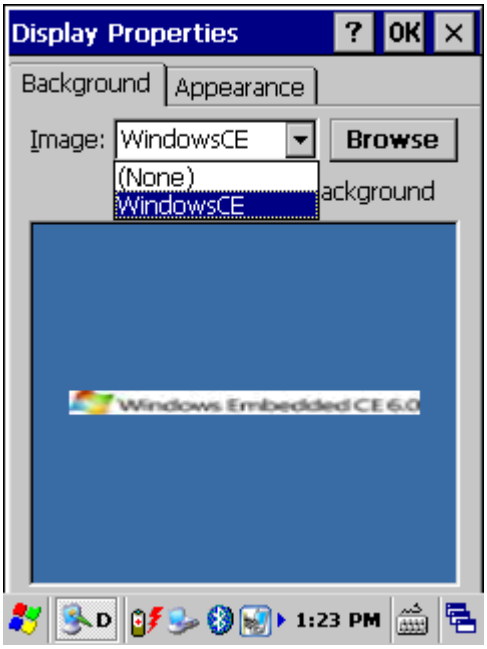


Figure 3-56 **Display Properties**

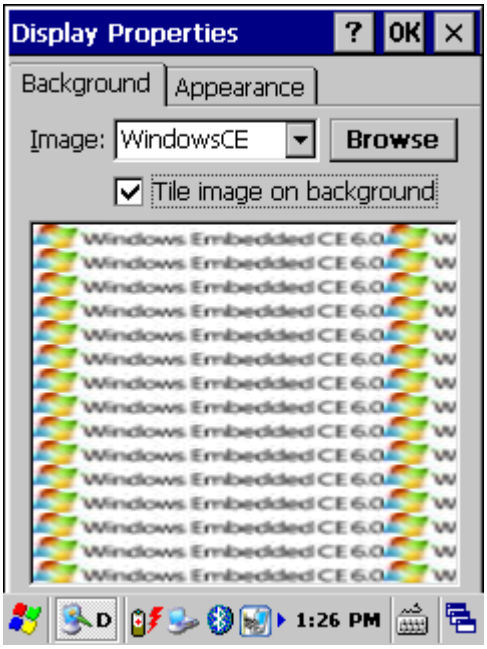


Figure 3-57 **Display Properties**

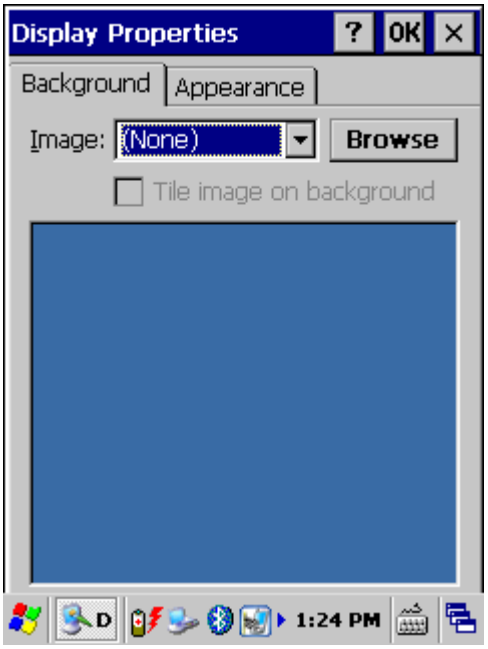


Figure 3-58 **Display Properties**

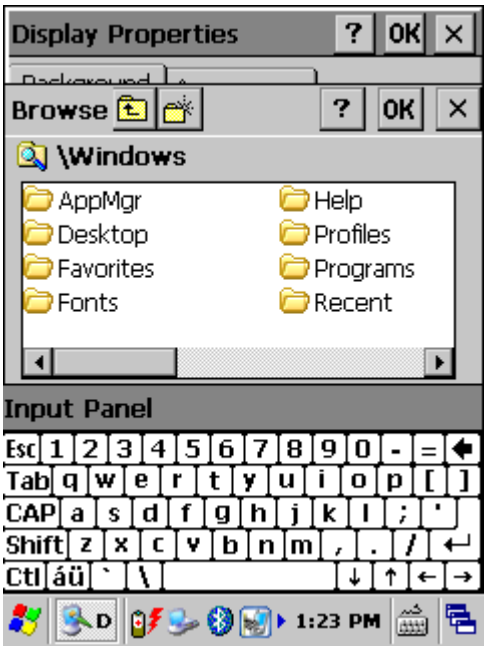


Figure 3-59 **Display Properties**

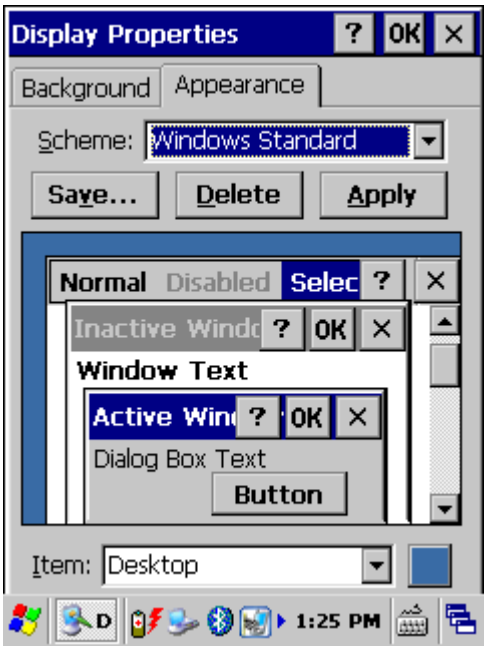


Figure 3-60 **Display Properties**

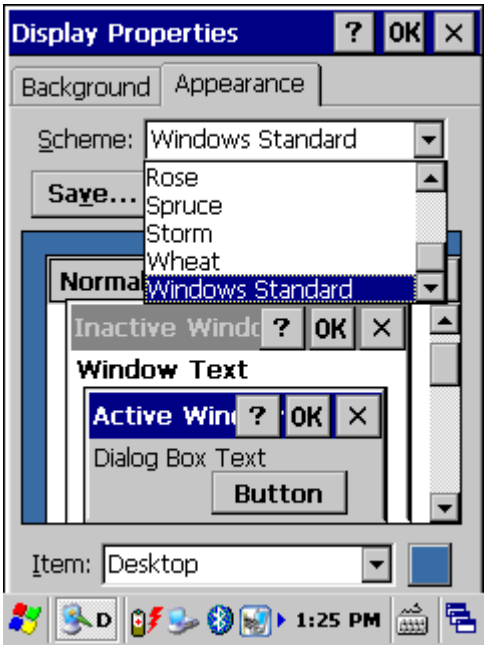


Figure 3-61 **Display Properties**

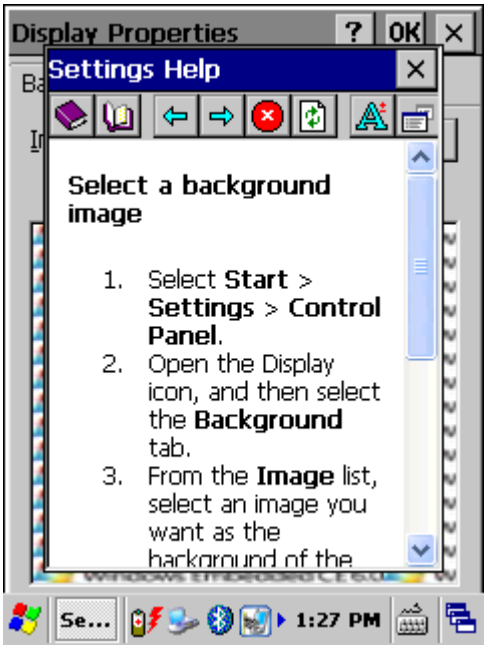


Figure 3-62 **Display Properties-Help**

3.2.9 Input Panel

Table 3-28 **Display properties**

ICON	ITEM & FUNCTION
 Input Panel	• **"Input panel" Tab: (Figure 3-63)**
	✓ Select the input method you want to change. ✓ To change the **Soft Keyboard Options** , tap "**Option**" (**Figure 3-63)**
	• **"Options" Tab: (Figure 3-64)**
	✓ Change the soft keyboard options as desired, selecting from: ➢ Large or small keys ➢ Using gestures for space, black-space shift, and enter. ✓ To exit the **soft keyboard Options**, press **"OK"** on the control bar, or press the **<Enter>** key on the keypad. ✓ To exit the **Input Panel**, press **"OK"** on the control bar, or press the **<Enter>** key on the keypad.

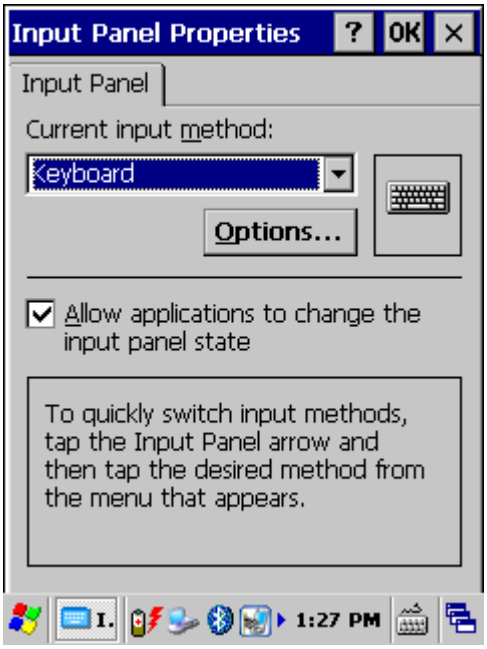


Figure 3-63 **Input Panel Properties**

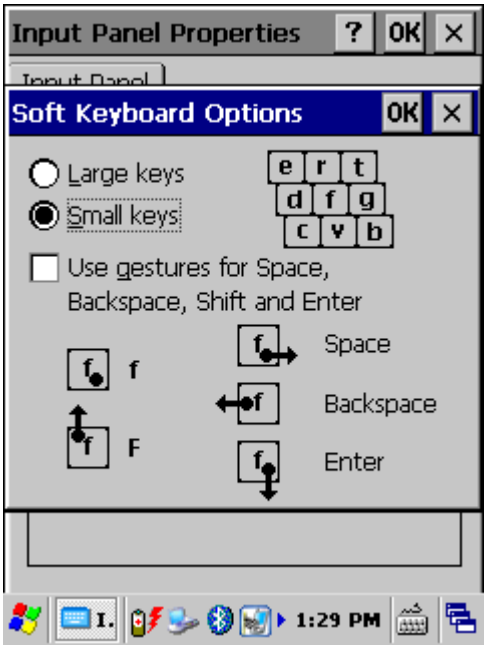


Figure 3-64 **Input Panel Properties**

3.2.10 Internet Options

Table 3-29 **Internet Options**

ICON	ITEM & FUNCTION
Internet Options	• **"General" Tab: (Figure 3-65)**
	✓ Type in the URL of desired start page and the desired search engine. You also change the **Cache Size, clear the Cache** and **Clear the History**
	• **"Connection" Tab: (Figure 3-66)**
	✓ Modify the network access setting as desired
	• **"Security" Tab: (Figure 3-67, Figure 3-68)**
	✓ Modify the security settings as desired. You can enable any of the following by tapping the checkbox
	• **"Advanced" Tab: (Figure 3-71)**
	✓ Modify the security settings as desired. You can enable any of the following by tapping the checkbox: ➢ Display Image in pages ➢ Play sounds in pages ➢ Enable scripting ➢ Display a notification about every script error ➢ Underline links- ○ Never

	○ Always ○ Hover
	• **“Popups” Tab: (Figure 3-72)**
	✓ Modify the popups settings as desired. You can enable any of the following by tapping the checkbox

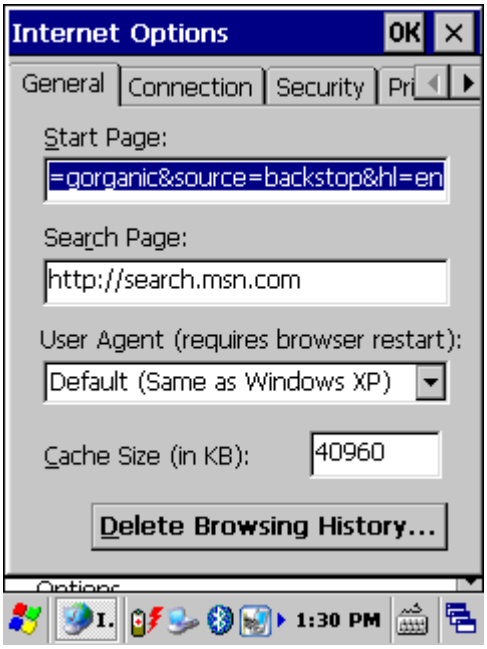


Figure 3-65 **Internet Settings-General**

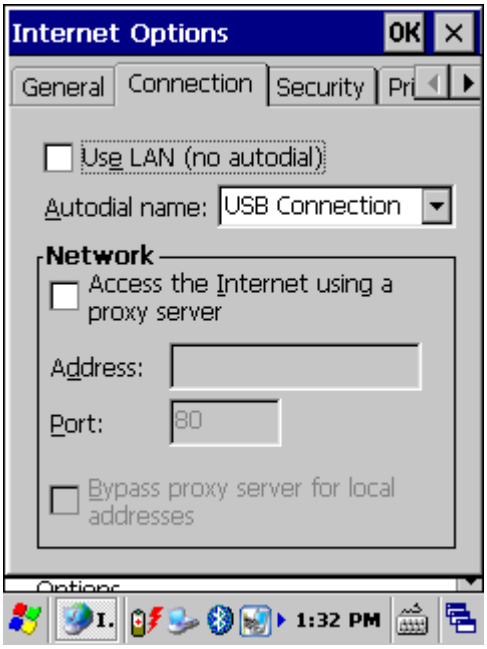


Figure 3-66 **Internet Settings-Connection**



Figure 3-67 **Internet Settings-Security**



Figure 3-68 **Internet Settings**



Figure 3-69 **Internet Settings-privacy**



Figure 3-70 **Internet Settings**

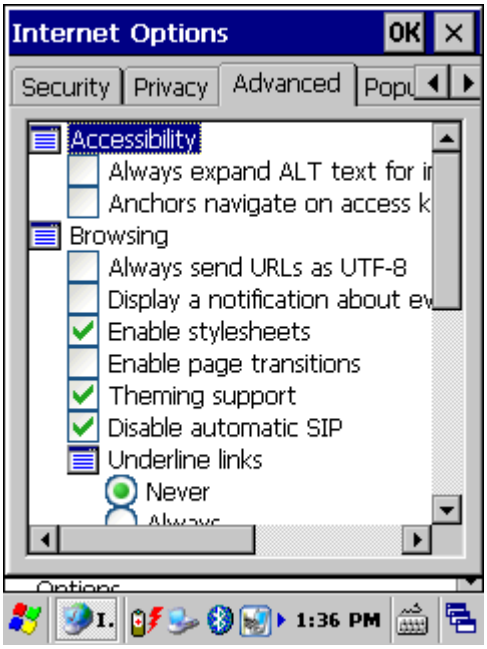


Figure 3-71 **Internet Settings-Advanced**

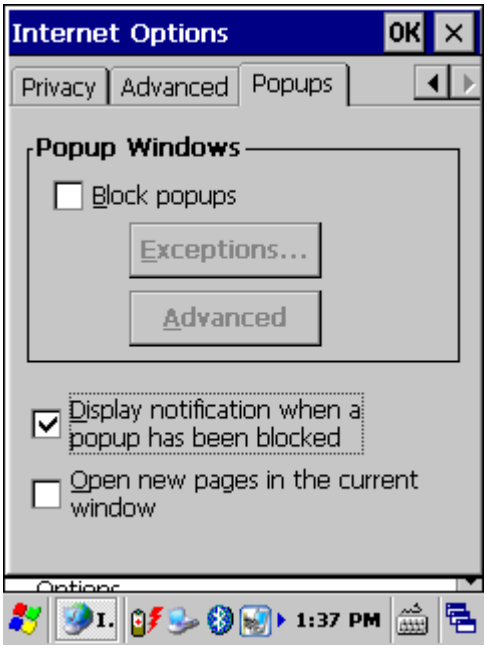


Figure 3-72 **Internet Settings-Popups**

3.2.11 Keyboard

Table 3-30 **Keyboard**

ICON	ITEM & FUNCTION
 Keyboard	• **"Repeat" Tab: (Figure 3-73)**
	✓ To change the amount of time between depressions before repetition starts, adjust the **Repeat delay** slider ✓ To change the repeat rate, adjust the **Repeat rate** slider. ✓ Test your new setting. ✓ Tap " **OK**" to exit the "**Keyboard**" Tab.

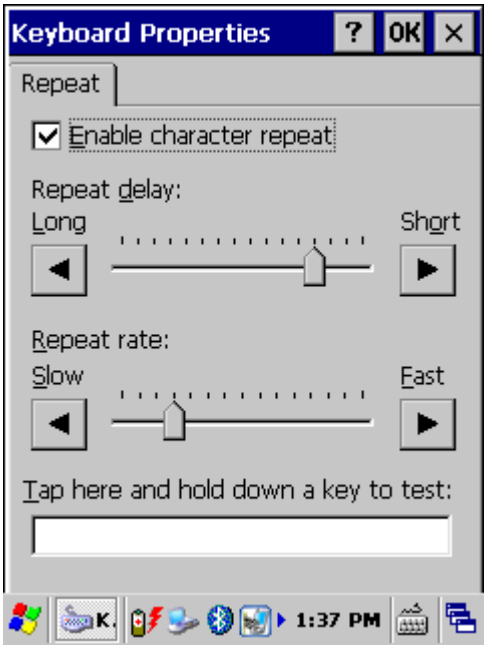


Figure 3-73 **Keyboard Properties**

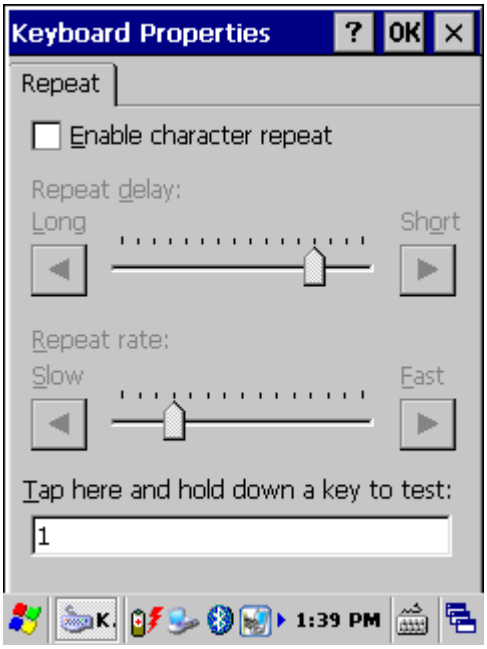


Figure 3-74 **Keyboard Properties**

3.2.12 Network and Dial-up Connections

Table 3-31 **Network and Dial-up Connections**

ICON	ITEM & FUNCTION
 Network and Dial-up Co...	• **"Connection" Tab: (Figure 3-75)**
	✓ To create a "**Dial-up Connection**": ➢ Double-tap the "**Make New connection**". ➢ In the "**Make New Connection**" dialog box, enter a name for the connection.**(Figure 3-76)** ➢ Select "**Dial-Up Connection**". ➢ Select the "**Next**" button.

	➢ Select the modem you want use. ➢ Select "**Configure**" **(Figure 3-78)** ➢ Under "**Connection Reference**", 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 "**Manual Dial**". Select "**OK**".
	➢ Select "**TCP/IP Settings**"**(Figure 3-81)** in the "**General**" tab. ensure "**Use Server-assigned IP address**" is selected. In the "**Name Servers**" tab, ensure "**Use Server-assigned addresses**" is selected, and select "**OK**". If you are unable to connect with these default settings, see your ISP or network administrator for specific TCP/IP information. ➢ Select the "**Next**" button and type the telephone number. ➢ Select the "**Finish**" button. The connection you just created appears as an icon in the "**Network and Dial-up Connections**" folder. ✓ Set up a **point-to-Point Protocol(PPP)** account with an ISP and obtain the following information: ➢ Access telephone number ➢ User name ➢ Password
	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 > Control Panel > 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.

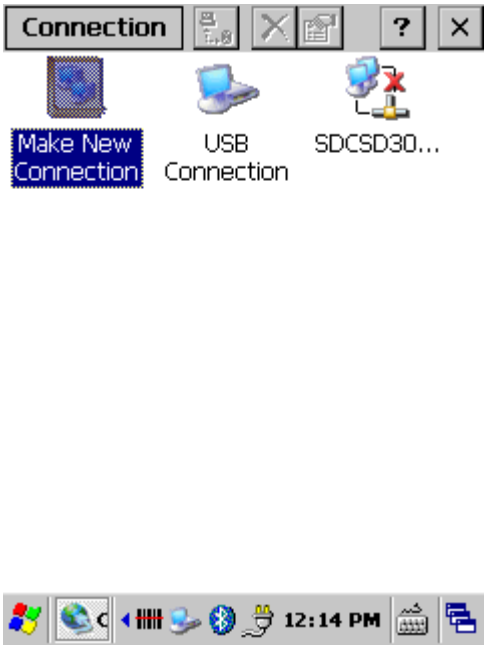


Figure 3-75 **Network and Dial-up Connections**

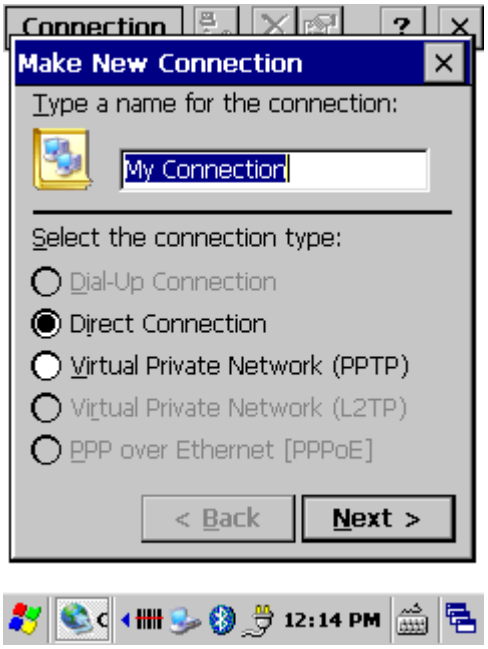


Figure 3-76 **Network and Dial-up Connections**



Figure 3-77 **Network and Dial-up Connections**

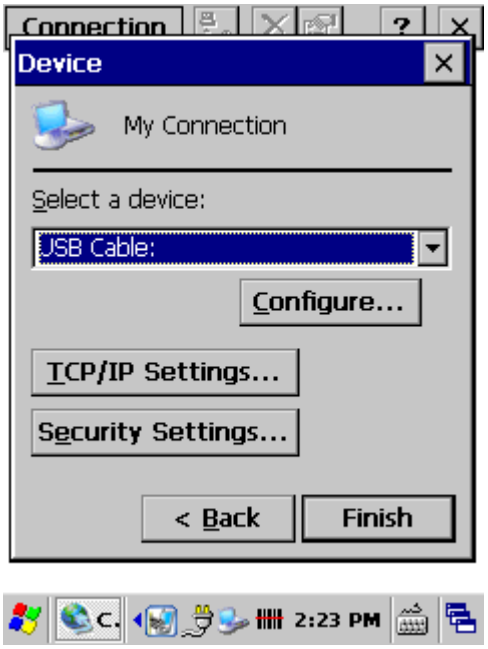


Figure 3-78 **Network and Dial-up Connections**

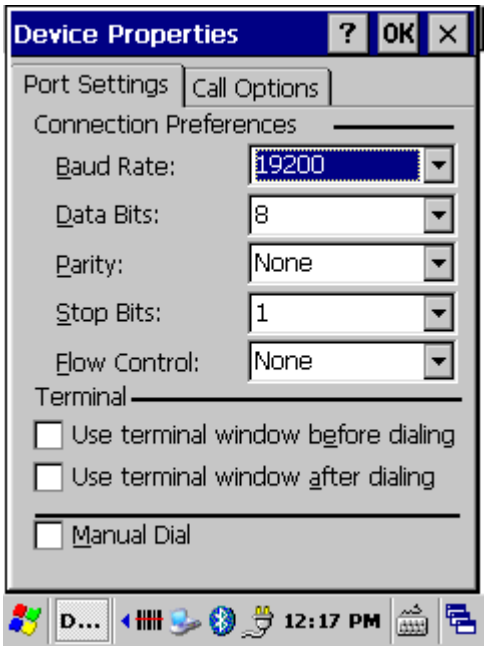


Figure 3-79 **Network and Dial-up Connections**

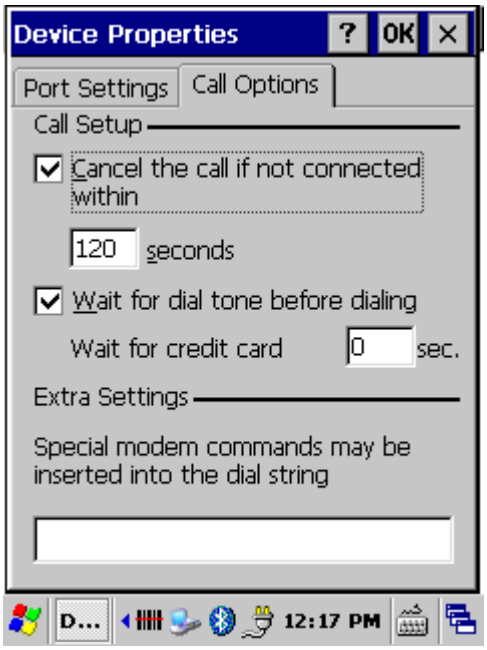


Figure 3-80 **Network and Dial-up Connections**

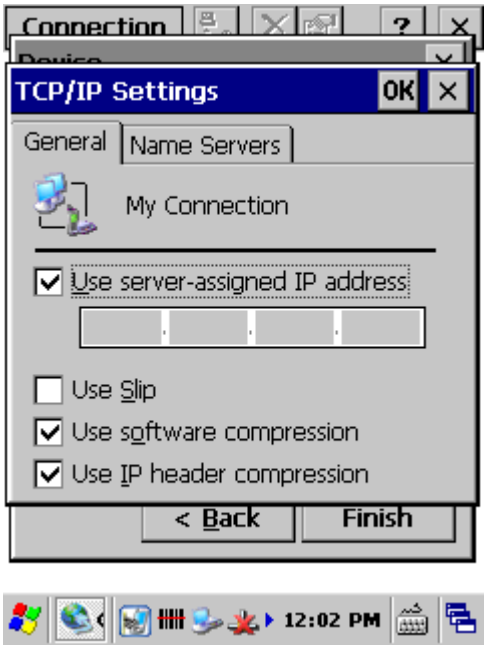


Figure 3-81 **Network and Dial-up Connections**

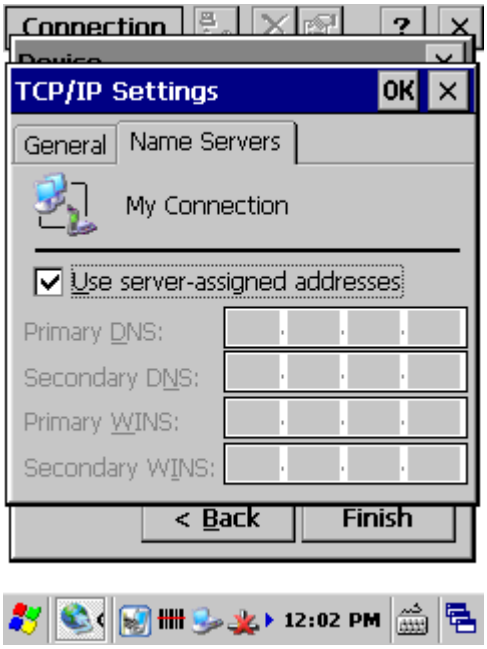


Figure 3-82 **Network and Dial-up Connections**

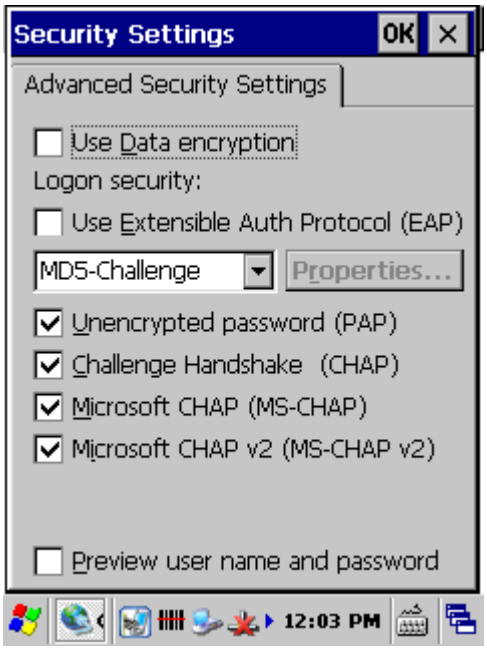


Figure 3-83 **Network and Dial-up Connections**

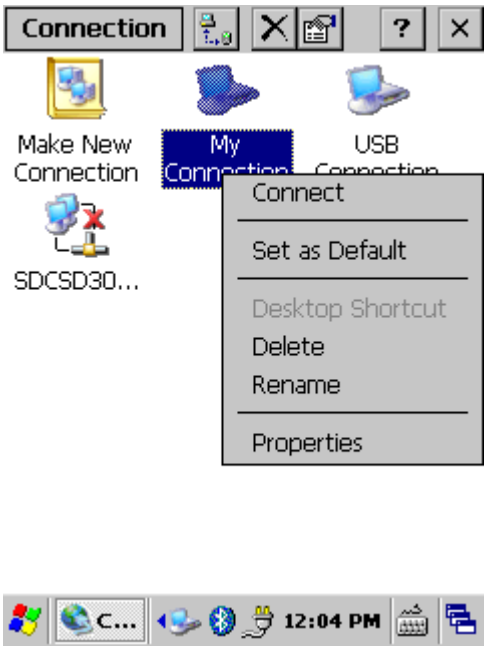


Figure 3-84 **Network and Dial-up Connections**

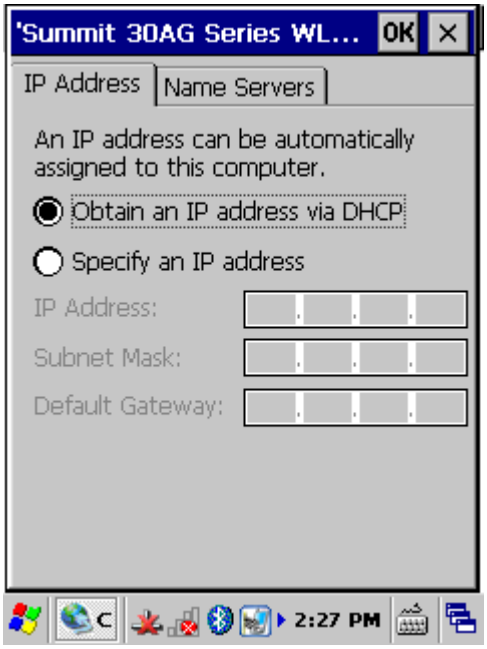


Figure 3-85 **Network and Dial-up Connections**

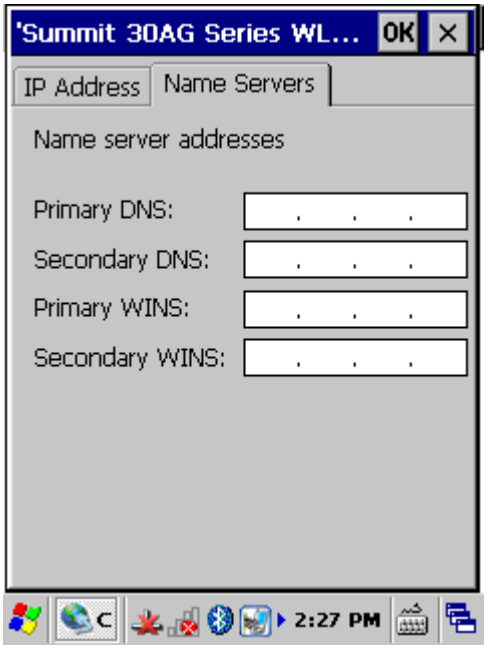


Figure 3-86 **Network and Dial-up Connections**

3.2.13 Owner

Table 3-32 **Owner**

ICON	ITEM & FUNCTION
 Owner	• **"Identification" Tab: (Figure 3-87)**
	✓ Fill in or edit the data as desired. ✓ To have this information displayed when you start your device, select "**Display Owner Identification"** at Power On**.** ✓ To set up identification for remote networks, see Setting up identification for remote networks.
	• **"Notes" Tab: (Figure 3-88)**
	✓ Enter the Notes you use to the Display Owner notes
	• **"Network ID" Tab: (Figure 3-89)**
	✓ Enter the user name, password, and domain name you use to log on to remote network.

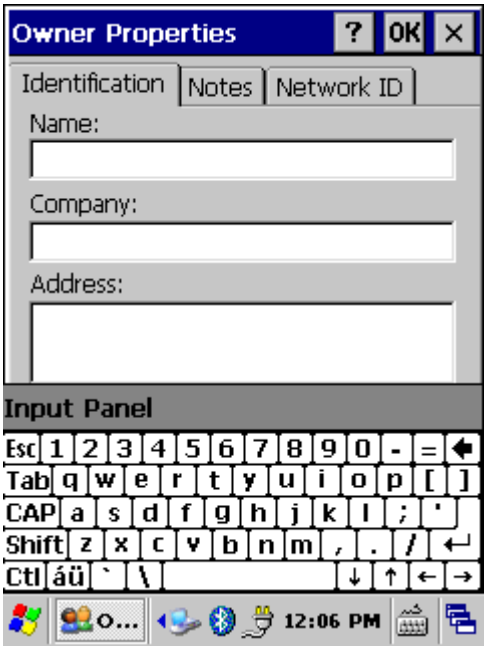


Figure 3-87 **Owner Properties**

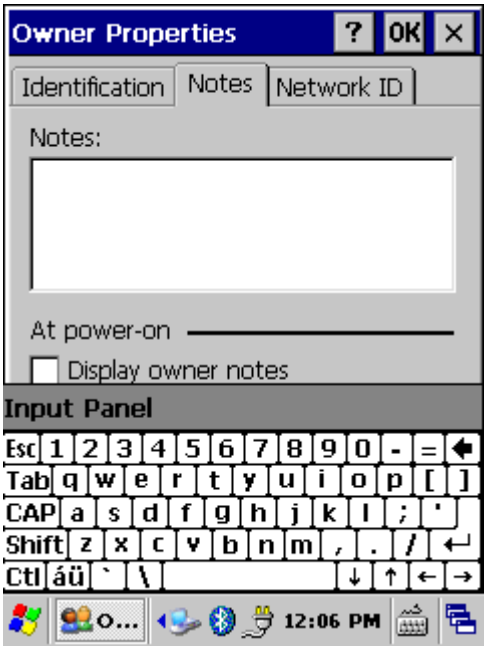


Figure 3-88 **Owner Properties**

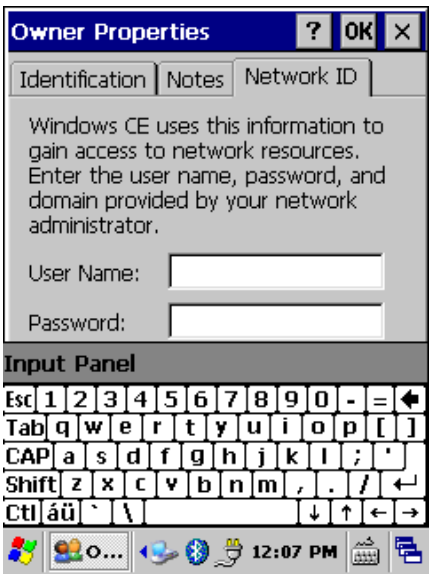


Figure 3-89 **Owner Properties**

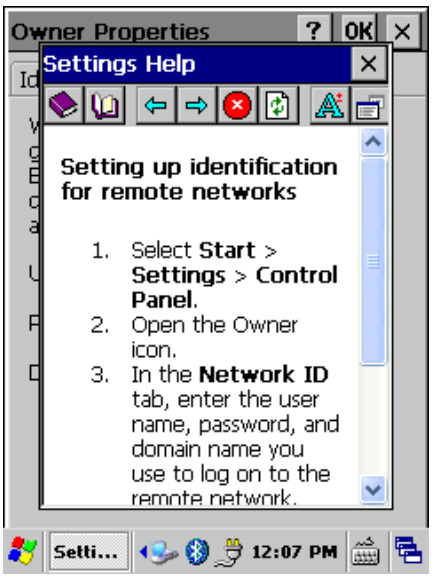


Figure 3-90 **Owner Properties-Help**

3.2.14 Password

Table 3-33 **Password**

ICON	ITEM & FUNCTION
 Password	• **"Password Setting" Tab: (Figure 3-91)**
	✓ Enter the password ✓ In the "**Confirm password** "box, enter the password again. ✓ To require the password on startup, select "**Enable password protection at power- on**". and/or select "**Enable password protection for screen saver**" ✓ To exit the **Password** control panel, press "**OK**" from the control bar, or press the <**Enter**> key on the keypad.



Figure 3-91 **Password Properties**

3.2.15 PC Connection

Table 3-34 **PC Connection**

ICON	ITEM & FUNCTION
 PC Connection	• **"PC Connection" Tab: (Figure 3-92)**
	✓ Select the first checkbox to enable direct connections to the desktop computer. (**Figure 3-92**)
	✓ Tap the "**Change Connection…**" button to modify the connection method from **USB**
	✓ To exit the "**Change Connection**" dialog, press "**OK**" from the control bar, or press the <**Enter**> key on the keypad.
	✓ To exit the "**PC Connection**" properties control panel, press "**OK**" from the control bar, or press the <**Enter**> key on the keypad.



Figure 3-92 **PC Connection**

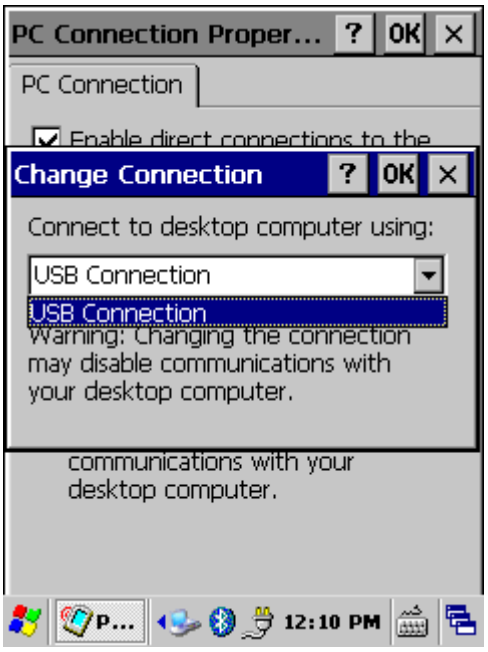


Figure 3-93 **PC Connection**

3.2.16 Power

Table 3-35 **Power**

ICON	ITEM & FUNCTION
 Power	• **"Battery" Tab: (Figure 3-94)**
	✓ Provide change level indicators for **Main battery** and **Backup battery**. ✓ Provide remaining power capacity of main battery. ✓ If a "Main Batteries very Low" warning message shows, the remaining battery life is around 15 minutes to TT100 shuts down.**(Figure 3-98)** ✓ The Device will shutdown during the main batteries capacity is around 3.55V. ✓ To exit Battery control panel, press "**OK**" from the command bar, or press <**Enter**> key on keypad.
	• **"Schemes" Tab: (Figure 3-95)**
	✓ The **Scheme** Tab allows you to determine the time to switch state to Suspend mode when using either **Battery Power** or **AC Power**. ✓ Select **Battery Power** or **AC Power** as the power scheme from the pull-down list.**(Figure 3-96)** ✓ Select the time to suspend mode from the pull-down list. **(Figure 3-97**)
Note:	
	This ICON inside the Task Bar shows that AC adapter provides power to the Device and Battery power charging full
	The ICON inside the Task Bar shows that Main Batteries provides the power to the Device
	The ICON inside the Task Bar shows that AC adapter provides the power to the Device and is charging the main batteries.

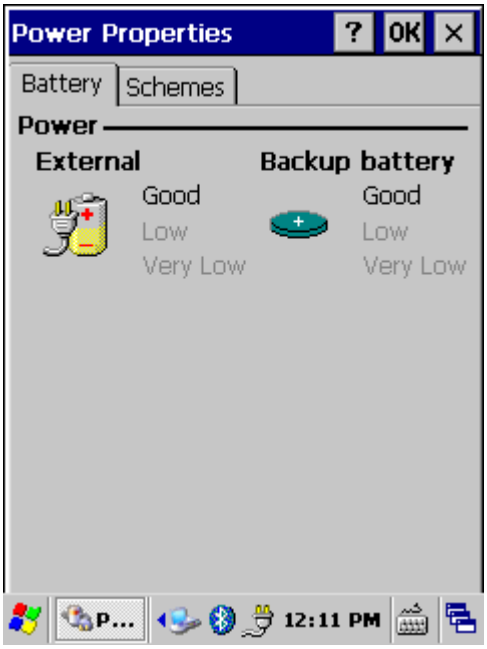


Figure 3-94 **Power**

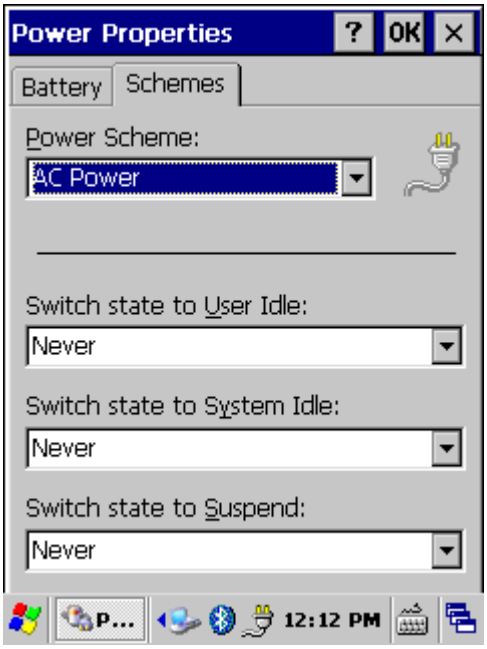


Figure 3-95 **Power**

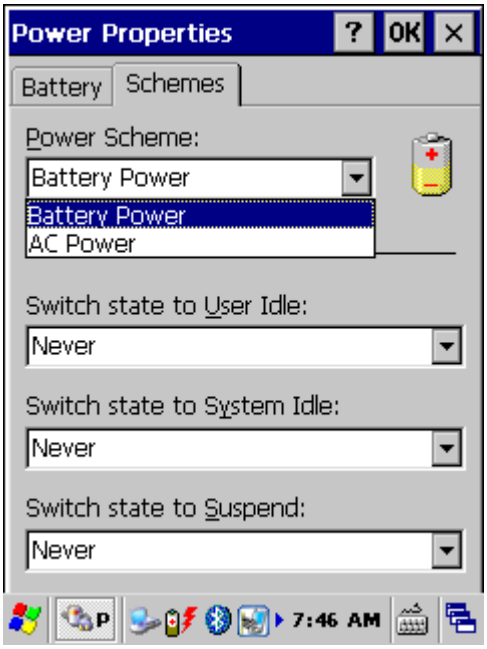


Figure 3-96 **Power**

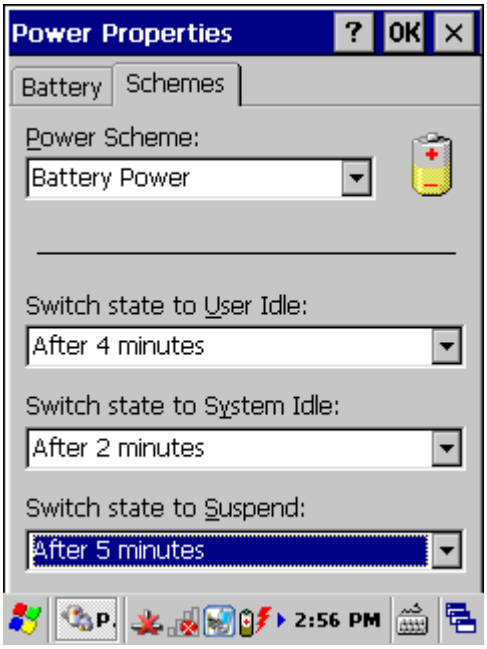


Figure 3-97 **Power**

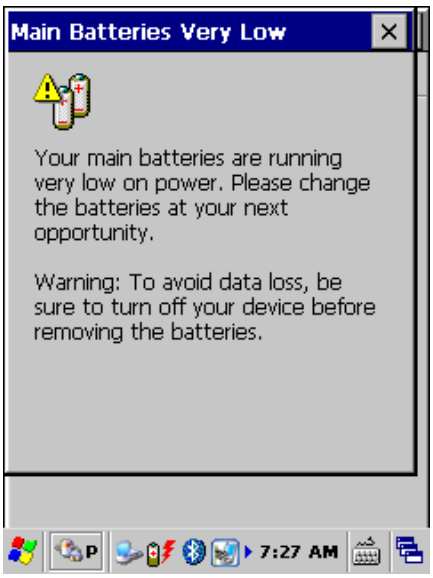


Figure 3-98 **Power**



Figure 3-99 **Power-Help**

3.2.17 Regional Settings

Table 3-36 **Regional Settings**

ICON	ITEM & FUNCTION
 Regional Settings	• **"Region" Tab: (Figure 3-100)**
	✓ Select the desired location/language. ✓ Review the **Appearance samples** in the bottom half of the screen. ✓ Select the Tab at the top for any settings you wish to change, Options to modify include **Number**, **Currency**, **Time**, and **Date**.**(Figure 3-102 ~ Figure 3-105)**

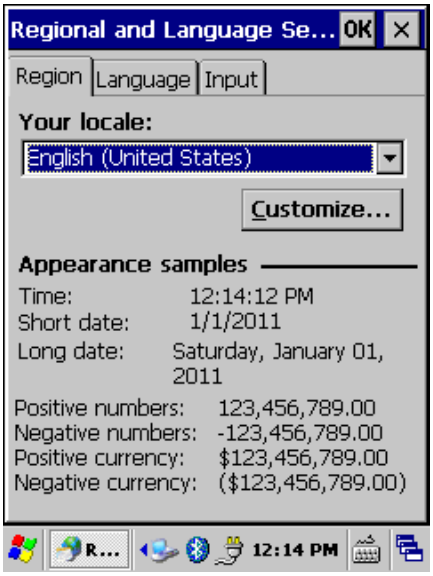


Figure 3-100 **Regional Settings**

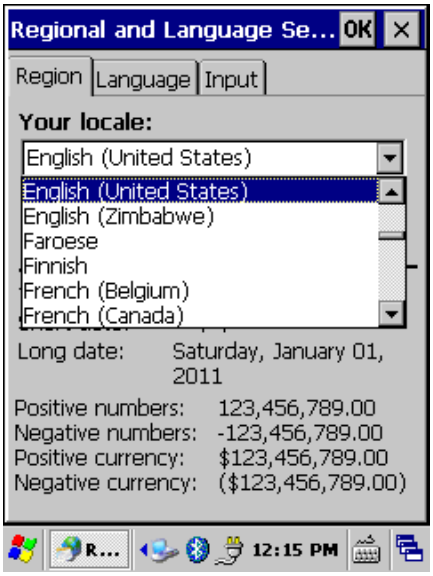


Figure 3-101 **Regional Settings**

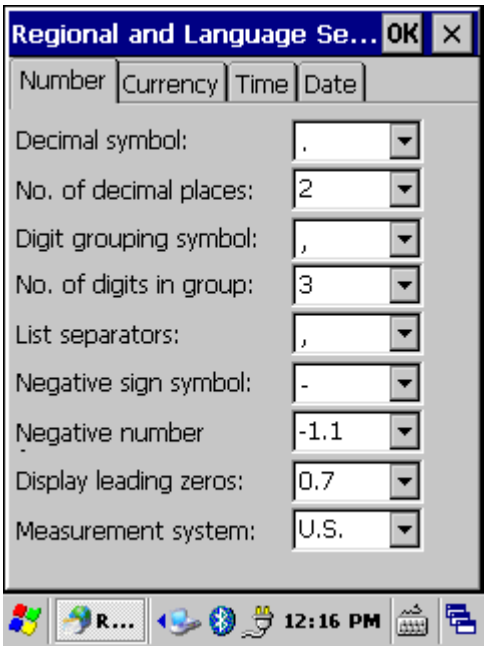


Figure 3-102 **Regional Settings**

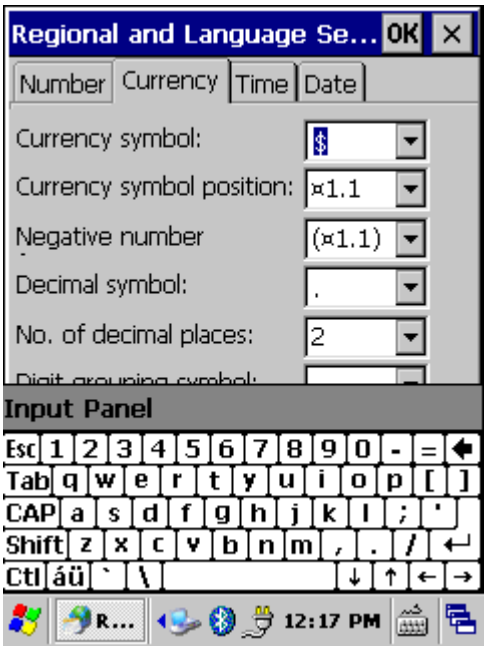


Figure 3-103 **Regional Settings**

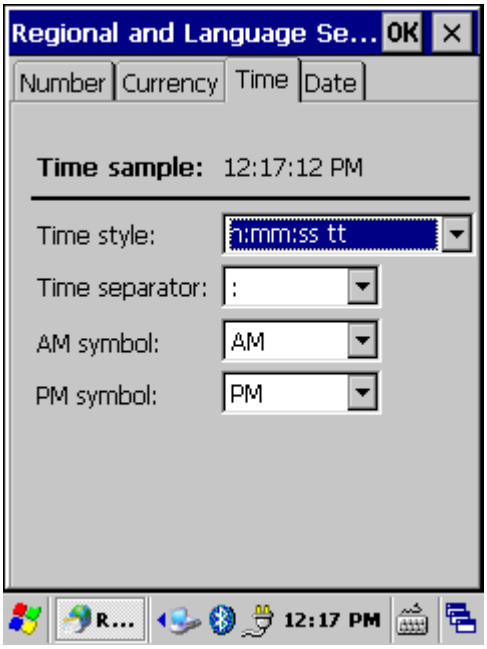


Figure 3-104 **Regional Settings**



Figure 3-105 **Regional Settings**

3.2.18 Remove Programs

Table 3-37 **Remove Programs**

ICON	ITEM & FUNCTION
 Remove Programs	• “**Remove Programs**” **Tab: (Figure 3-106)**
	✓ Only user installed programs can be removed. ➢ Select the program you wish to remove from the list and press “**remove**” button.



Figure 3-106 **Remove Programs**

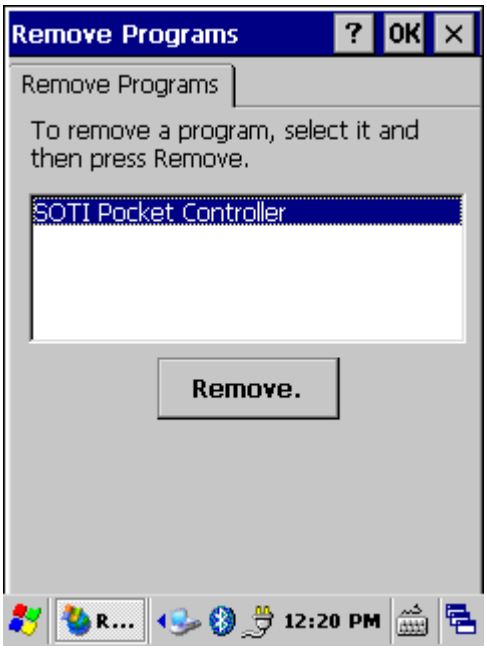


Figure 3-107 **Remove Programs**

3.2.19 Storage Manager

Table 3-38 **Storage Manager**

ICON	ITEM & FUNCTION
 Storage Manager	• **“Storage Manager” Tab: (Figure 3-108)**
	✓ To change Storage properties control panel default settings: Insert Micro Secure digital (Micro SD) storage card into the unit. ➢ Select **Start > Settings > Control Panel > Storage Properties** ➢ From the “**Storage Info”** pull-down list, select the desired storage device. ➢ You can also **format**, **dismount**, and create partitions on storage devices using this control panel.

	➢ To save and exit the **Storage Properties** control panel, press "**OK**" from the control bar, or press the <**Enter**> key on the keypad. **Caution: Dismounting or formatting the Flash Disk will erase all files and program stored in Flash Memory**

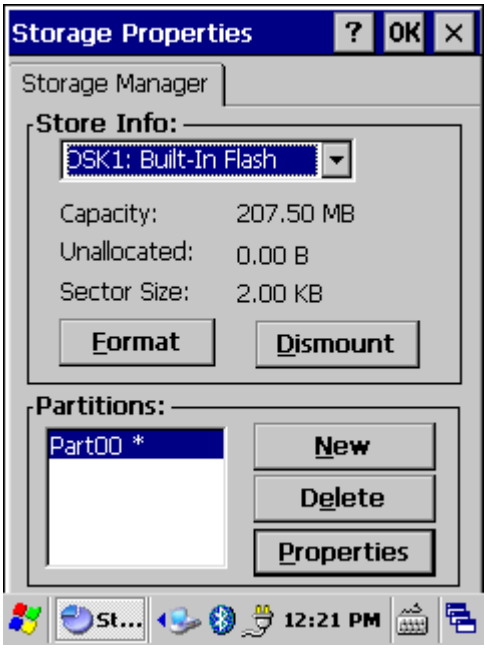


Figure 3-108 **Storage Manager**

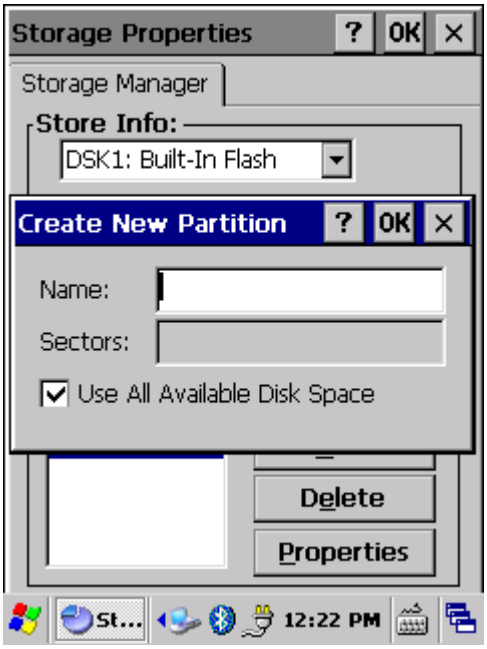


Figure 3-109 **Storage Manager-New**



Figure 3-110 **Storage Manager-Delete**



Figure 3-111 **Storage Manager-Properties**

3.2.20 Stylus

Table 3-39 **Stylus**

ICON	ITEM & FUNCTION
 Stylus	• **"Double-Tap" Tab: (Figure 3-112, Figure 3-113)**
	✓ Double-tap the checkerboard grip at a comfortable speed. ✓ Double-tap clapboard to test your settings ✓ The function is OK if the figures are changed from Figure 3-112 to Figure 3-113. ✓ To tap "**OK**" to exit the Stylus Properties.
	• **"Calibration": (Figure 3-114, Figure 3-115)**
	✓ 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. ✓ Please also see **2.4.3 Calibration of the touch Screen**

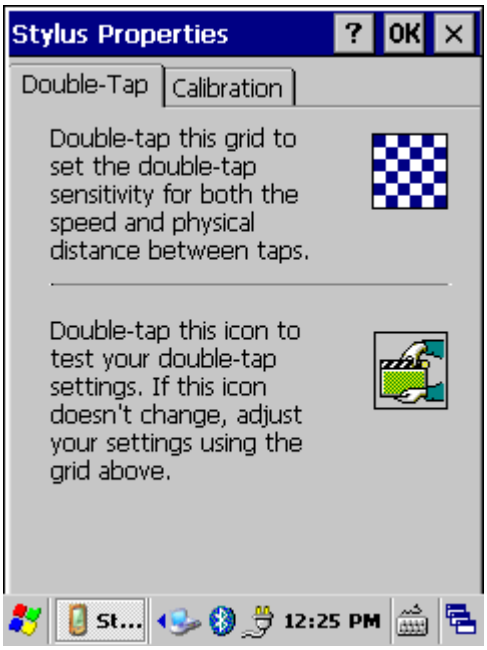


Figure 3-112 **Stylus Properties**

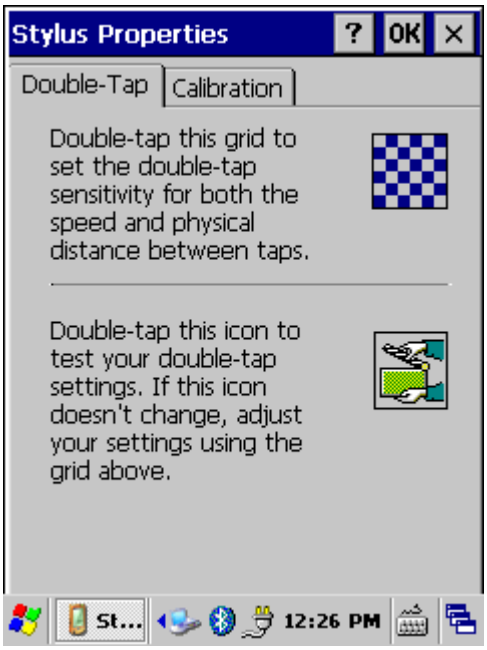


Figure 3-113 **Stylus Properties**



Figure 3-114 **Stylus Properties**

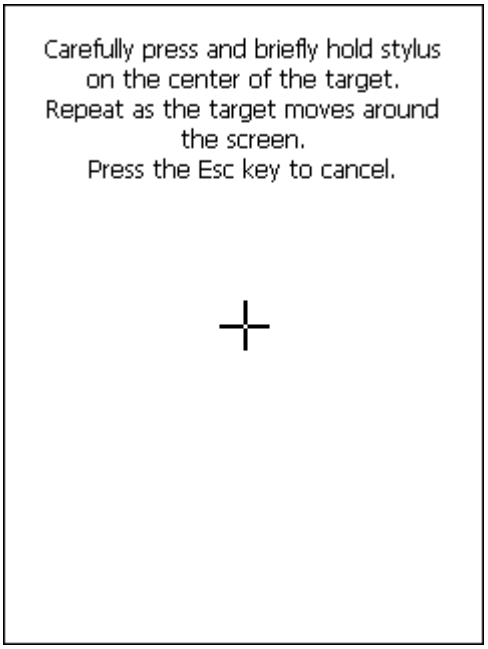


Figure 3-115 **Stylus Properties**

3.2.21 System

Table 3-40 **System**

ICON	ITEM & FUNCTION
 System	• **"General" Tab: (Figure 3-116)**
	✓ To show: ➢ Firmware information ➢ Information about Processor type, Memory size, Expansion card
	• **"Memory": (Figure 3-117)**
	✓ Move the slider to adjust memory allocation. Default storage memory is normally is normally set to about 8MB with the reminder assigned to Program memory. ✓ Press the "**OK**" key on the Keypad. **Note: the difference is occupied by OS between the RAM size in Information properties and total memory size of storage memory and program memory**
	• **"Device Name" Tab: (Figure 3-118)**
	✓ Your device uses this information to identify itself to other computers. ✓ The input panel will open to facilitate data entry. ✓ To close the **Device Name**, press the "**OK**" button, or press the <**Enter**> key on keypad.

	• **“Copyrights” Tab: (Figure3-119)**
	✓ Refer to this tab for specific copyright data. As a user, you are responsible to read this statement.



Figure 3-116 **System Properties**

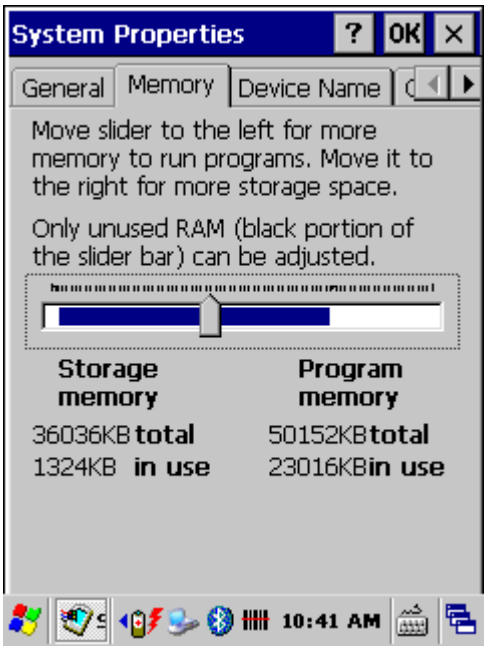


Figure 3-117 **System Properties**

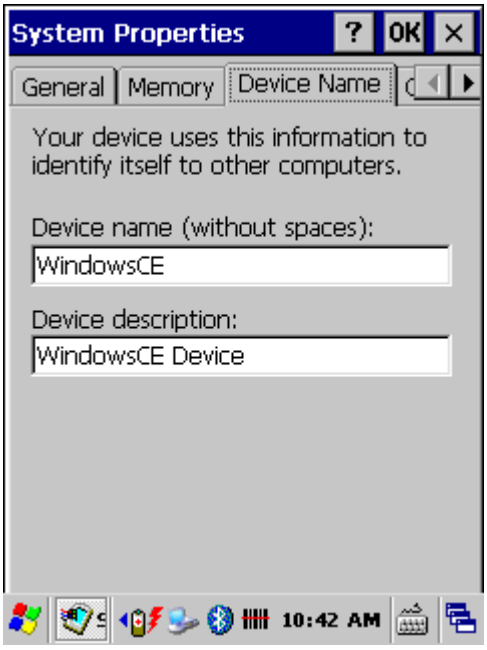


Figure 3-118 **System Properties**

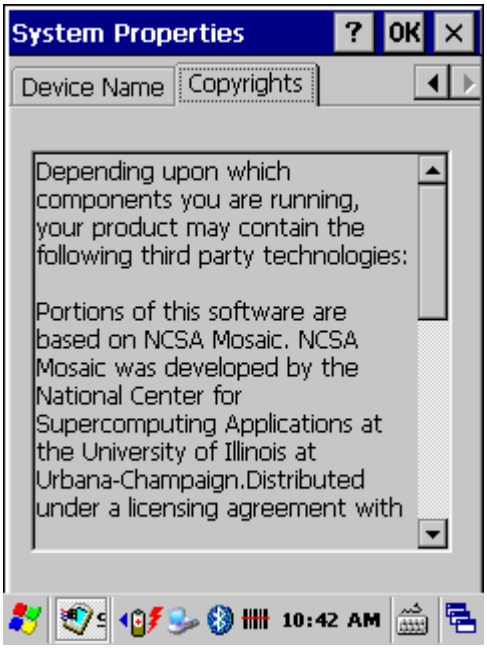


Figure 3-119 **System Properties**

3.2.22 USB Function Driver Properties

Table 3-41 **USB Function Driver Properties**

ICON	ITEM & FUNCTION
	• **"USB Function Driver Properties" Tab: (Figure 3-120)**
	✓ The section allow users to set USB Function, such as USB Serial, USB RNDIS, USB Mass-Storage.**(Figure 3-121)** Note: when select any USB function, please warm boot device to affect USB function

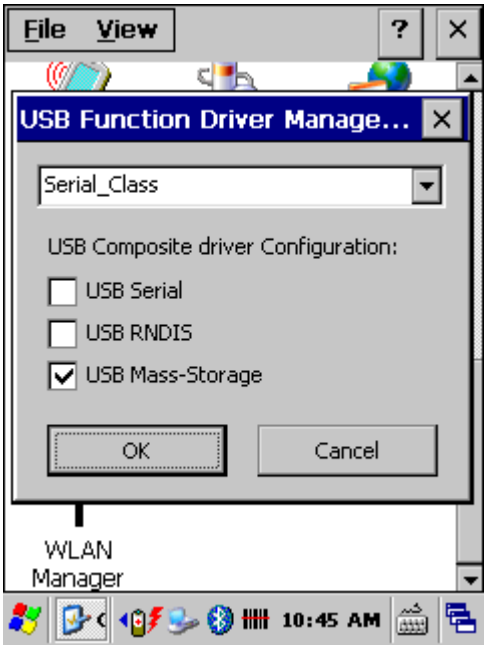


Figure 3-120 **USB Function Driver**

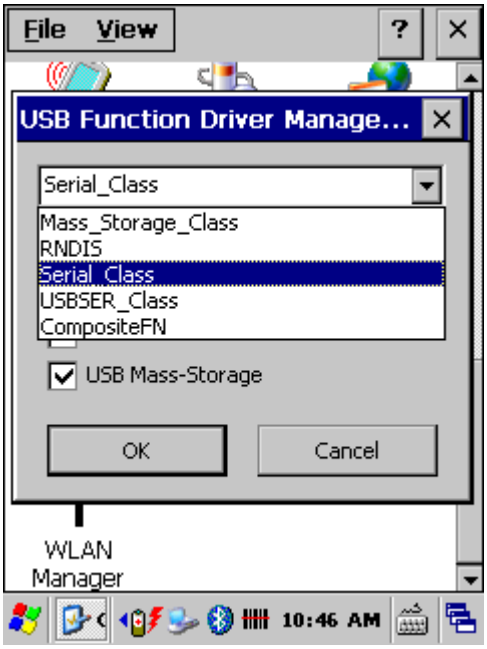


Figure 3-121 **USB Function Driver**

3.2.23 Volume & Sounds Properties

Table 3-42 **Volume & Sound**

ICON	ITEM & FUNCTION
	• **"Volume" Tab: (Figure 3-122)**
	✓ The factory default for Volume is the forth level. You can adjust the volume to your environment and comfort. ➢ Set the volume by adjusting the slider from **Soft** to **Loud**
	• **"Sounds " Tab: (Figure3-123)**
	✓ Enable the desired sounds for key clicks, screen taps, notifications, and applications.

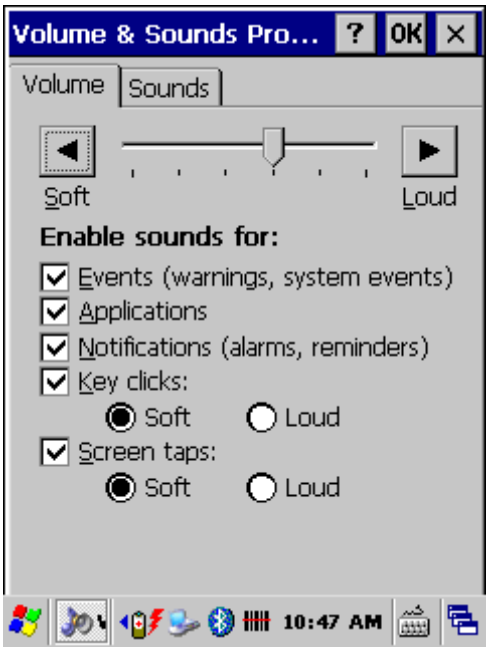


Figure 3-122 **Volume & Sound**

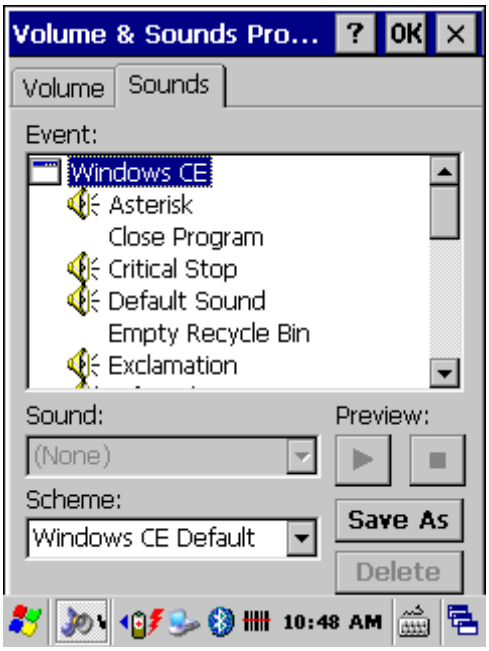


Figure 3-123 **Volume & Sound**

3.3 Tap Start

The Device has some new functions at “Start” menu, Refer to this section for operation.

3.3.1 Security

Tap “Start” > “Security” to use Security Functions.

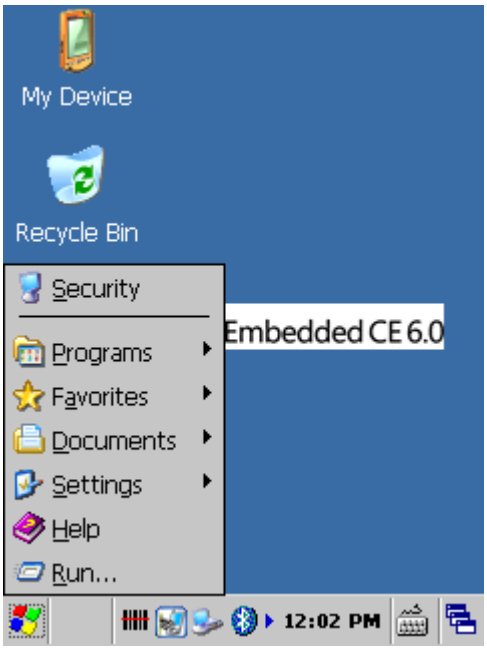


Figure 3-124 **Start Tab**



Figure 3-125 **Security Tab**



Figure 3-126 **Security-User mode**

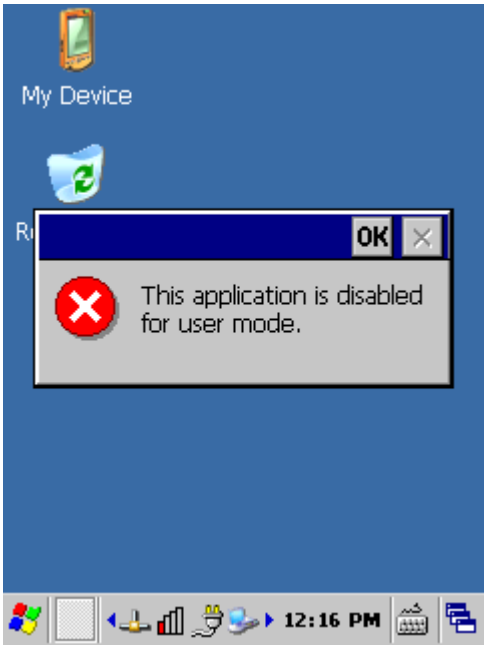


Figure 3-127 **Security-Application disabled**

3.3.2 Bluetooth

Tap “Start” > “Programs” > “Bluetooth” to use Bluetooth Functions.

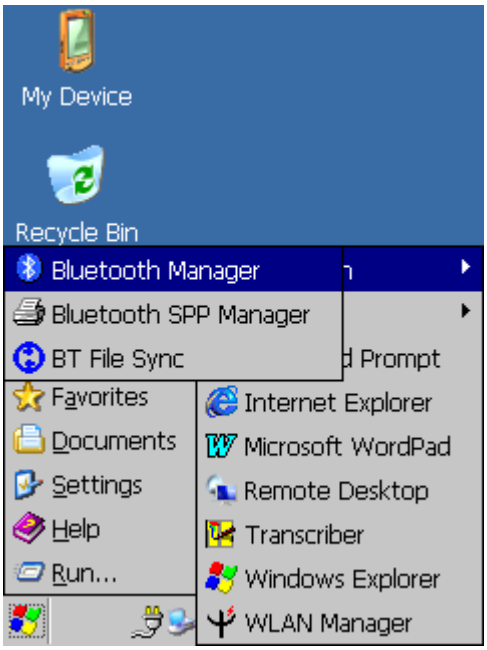


Figure 3-128 **Bluetooth**

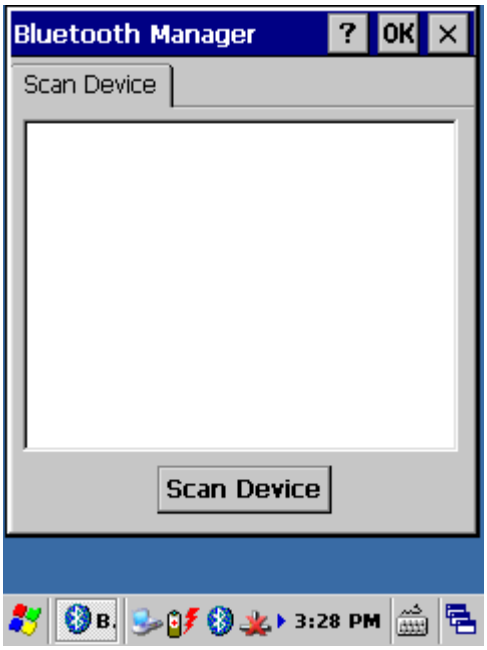


Figure 3-129 **Bluetooth Manager**

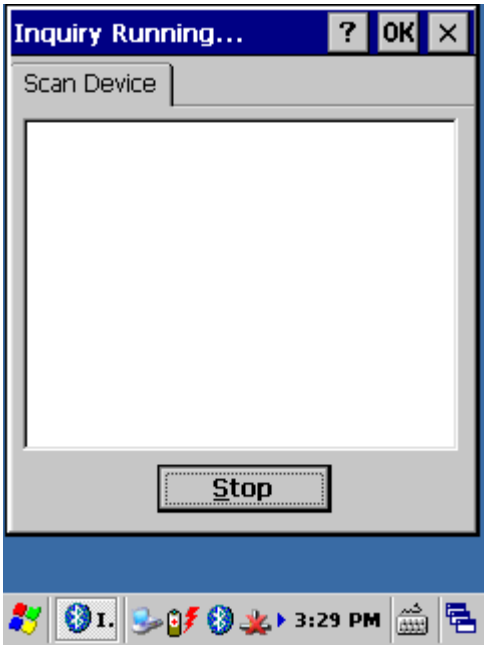


Figure 3-130 **Bluetooth-Inquiry Running**



Figure 3-131 **Bluetooth-Devices**

3.3.3 Boot Manager

Table 3-43 **Boot Manager**

ICON	ITEM & FUNCTION
	• **"Boot Manager" Tab: (Figure 3-132)**
	✓ You can Enable/Disable Bluetooth or Wi-Fi power after Cold Boot, Warm Boot or Suspend/Resume

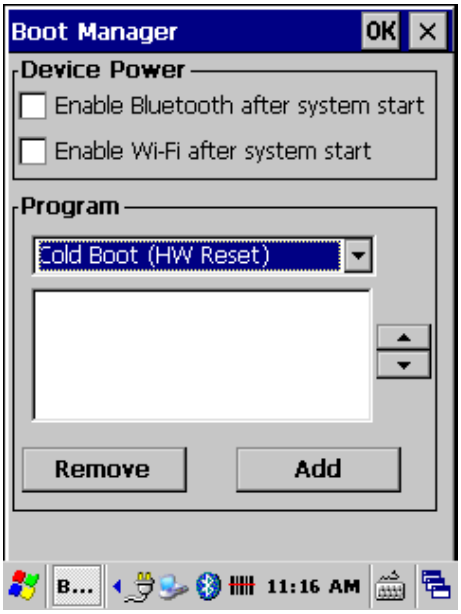


Figure 3-132 **Boot Manager**

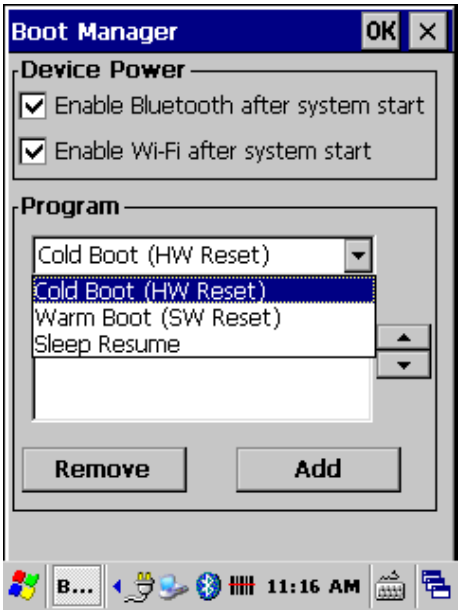


Figure 3-133 **Boot Manager**

3.3.4 Brightness

Table 3-44 **Brightness**

ICON	ITEM & FUNCTION	
	**LCD Brightness: (Figure 3-134)** Set the LCD brightness by adjusting the slider from low to high	
	Amounts 11 steps: 0%, 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100%	
	LCD Brightness Timeout **(Figure 3-135)**	The table has Never, 10 seconds, 20 seconds, 30 seconds, 40 seconds,1 minute, 3 minutes, 5 minutes and 10 minutes.
	Keypad Backlight Setting**(Figure 3-136)**	Disable Backlight, Enable Backlight, or Backlight Always On

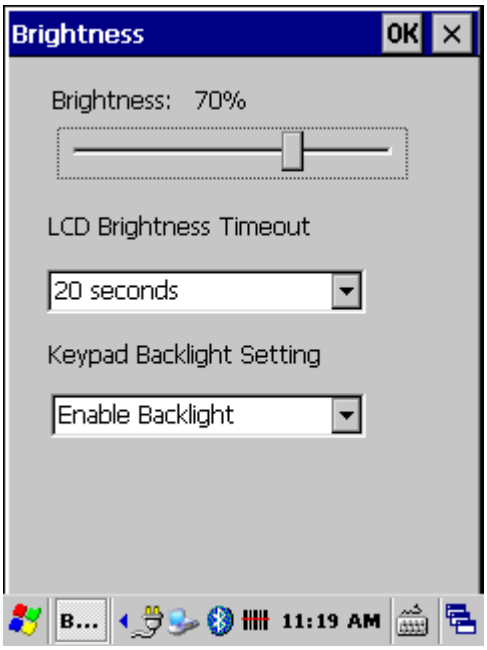


Figure 3-134 **Brightness**

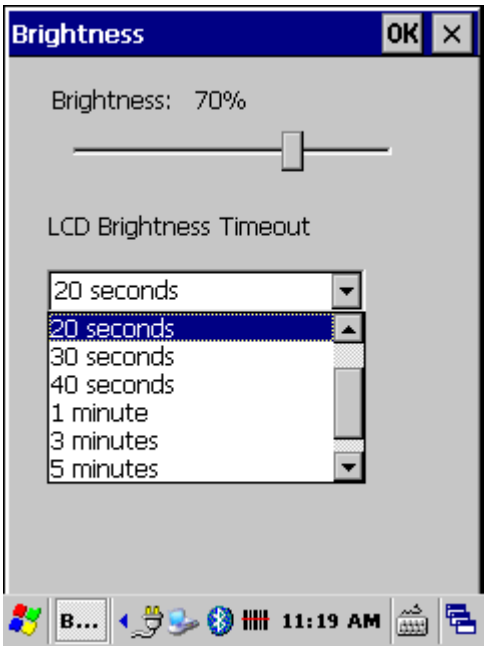


Figure 3-135 **LCD Brightness Timeout**

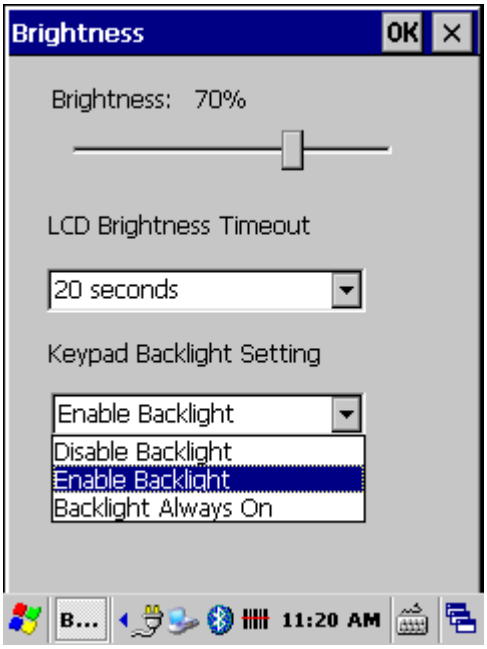


Figure 3-136 **Keypad Backlight Setting**

3.3.5 Device Power

Table 3-45 **Device Power**

ICON	ITEM & FUNCTION
	• **"Device Power" Tab: (Figure 3-137)**
	✓ You can Enable/Disable Bluetooth or Wi-Fi power

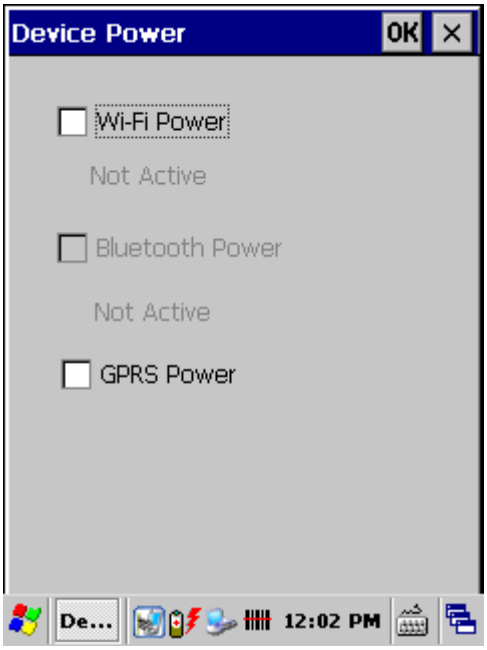


Figure 3-137 **Device Power**

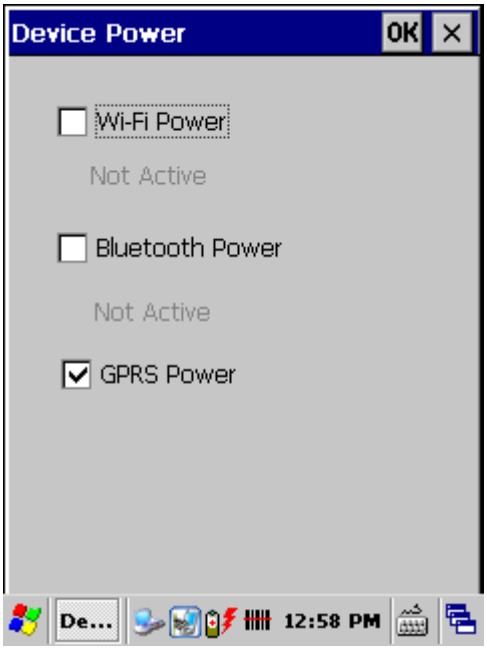


Figure 3-138 **Device Power**

3.3.6 Fn Key Manager

Table 3-46 **Fn-Key**

<table>
<tr><th>ICON</th><th colspan="2">ITEM & FUNCTION</th></tr>
<tr><td rowspan="7"></td><td colspan="2">• Fn-Key Setting: (Figure 3-139)</td></tr>
<tr><td>Fn Key</td><td>The Application Program of default setting</td></tr>
<tr><td>F1</td><td>SW Keyboard</td></tr>
<tr><td>F2</td><td>Reserved</td></tr>
<tr><td>F3</td><td>Device Power</td></tr>
<tr><td>F4</td><td>Backlight</td></tr>
<tr><td colspan="2">✓ To assign your favorite application program to Hot Keys.
✓ Choose one of Hot Keys from pull-down list.(Figure 3-139)
✓ To tap “Browse…” inside “Assign program” applet.(Figure 3-140)
✓ Select one application program you want from program list, then, choose “OK”. (Figure 3-141)
✓ Tap Function to select(Figure 3-142)</td></tr>
</table>

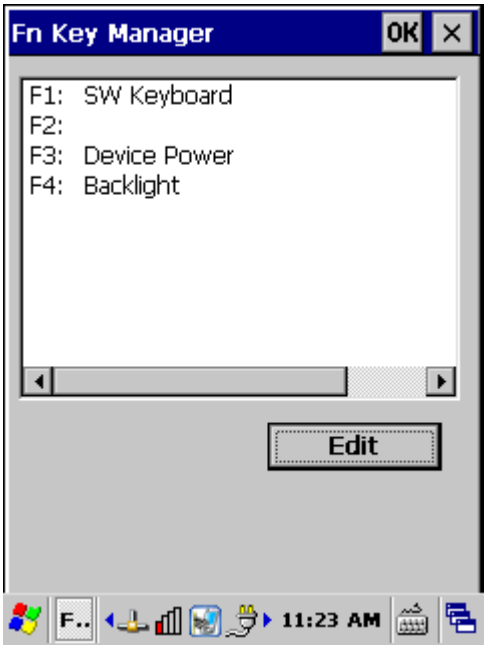


Figure 3-139 **Fn-Key Settings**

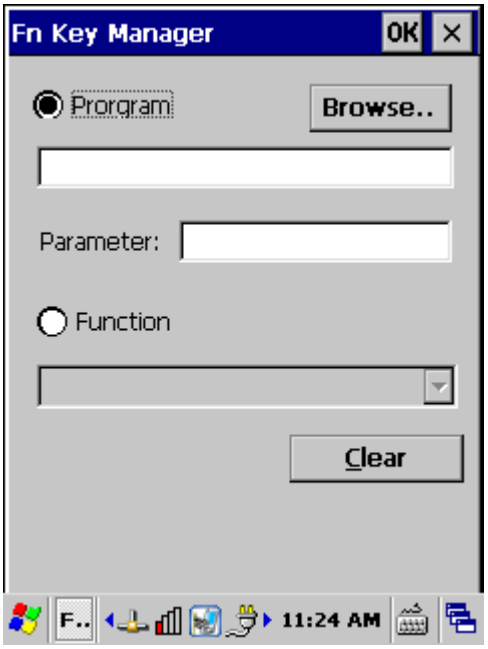


Figure 3-140 **Fn-Key Settings**

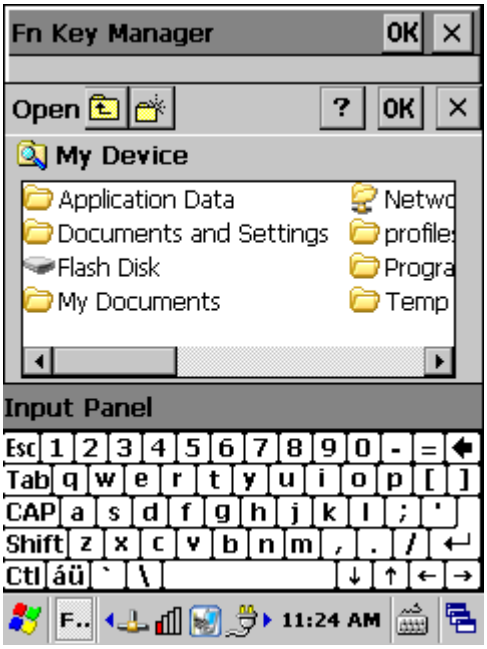


Figure 3-141 **Fn-Key Settings**

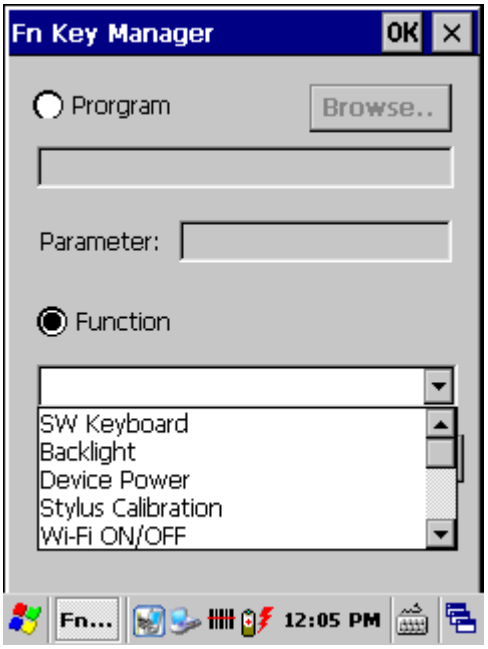


Figure 3-142 **Fn-Key Settings**

3.4 Taskbar and Start Menu

Table 3-47 **Taskbar and Start menu**

ICON	ITEM & FUNCTION
Taskbar and Start Menu	• **"General" Tab: (Figure 3-144)**
	✓ In this tab, You can change the position of the Taskbar and Start menu ➢ Is **always on top** or not ➢ **Auto hide** or not ➢ **Show Clock** or not
	• **"Advanced " Tab: (Figure 3-145)**
	✓ Tap the "**Clear**" button to remove the contents of the Documents Menu. ✓ Enable **"□ Expand Control Panel"** to list all icons of Control Panel from top to bottom.



Figure 3-143 **Taskbar and Start Menu**

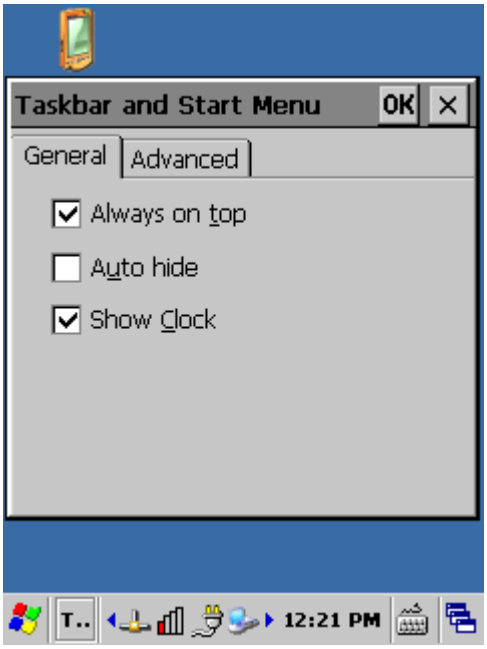


Figure 3-144 **Taskbar and Start Menu-General**

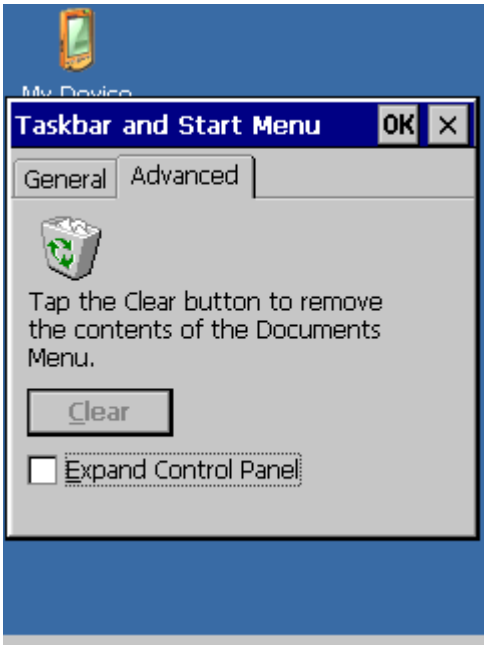


Figure 3-145 **Taskbar and Start Menu-Advanced**

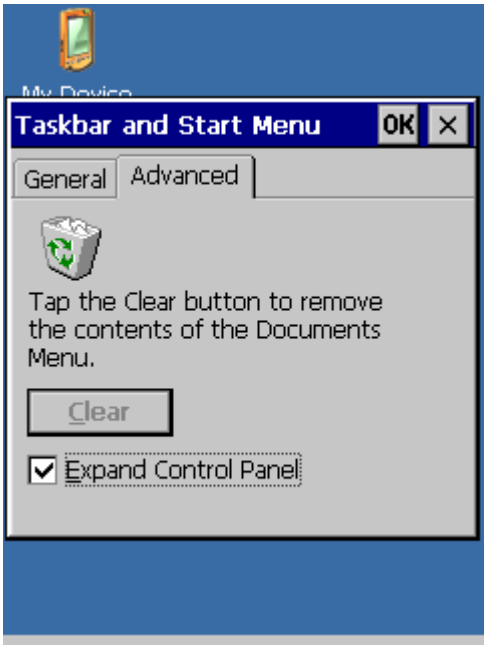


Figure 3-146 **Taskbar and Start Menu-Expand Control Panel**

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 Device.

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

1. Go to the Microsoft Windows CE.NET website and download the latest current version of ActiveSync: http://www.microsoft.com/windowsmobile/en-us/help/synchronize/device-synch.mspx
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 Device to Host PC

1. You can use a Micro USB cable to connect the Device directly or by a cradle to Host PC.
   - To use the dock, you must first insert the Device into the slot, making sure that the unit is firmly seated the dock.
2. Connect the dock or Device to the power adapter and power source.

4.2 Using ActiveSync

Use ActiveSync to transfer and synchronize files between the Device 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:

- ✓ Insert Micro USB cable to Device and connect to PC.
- ✓ After you have established a connection with Device, 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 Device and copy the desired file by using the **Copy/paste** method or dragging and dropping the desired file(s) into the folder.

4.2.2 ActiveSync File Synchronization

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

- ✓ Select the files in the synchronization configuration for the Device 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 Device.

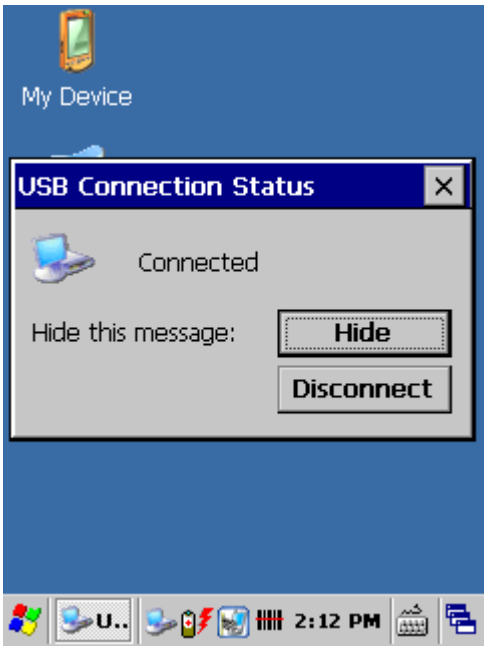


Figure 4-1 **Connected**

4.3 Networking

Please see the **3.2.13 Owner, Table 3-31 Owner** on page 3-61 for **setting up the network ID**. And see the **2.5.6 Setting Up Wireless LAN RF** to setup the 802.11a/b/g Wireless LAN for RF connecting.

Chapter 5. Software Applications

5.1 Introduction

You can switch to any software program by tapping the Start Menu.

5.2 Software Applications

5.2.1 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.

5.2.1.1 Connect to the Internet

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

5.2.1.2 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.

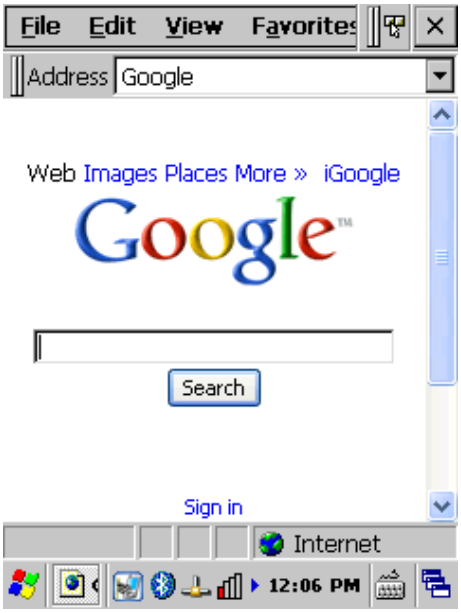


Figure 5-1 **Internet Explorer**

5.2.1.3 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 menu bar, 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.

5.2.1.4 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**.

5.2.1.5 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**.

5.2.1.6 Search for an Internet Site

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

5.2.1.7 Go to an Internet address

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

5.2.1.8 View previously visited sites

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

5.2.1.9 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**.

5.2.1.10 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**.

5.2.1.11 Refresh current page

- ✓ Select **View > Refresh**.

5.2.1.12 Stop loading a page

- ✓ Select **View > Stop**.

5.2.1.13 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.

5.2.1.14 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**.

5.2.1.15 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**.

5.2.1.16 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.

5.2.1.17 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**.

5.2.1.18 Select security Options

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

5.2.1.19 Change the font size

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

5.2.2 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**.

5.2.2.1 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**.

5.2.2.2 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.

5.2.2.3 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**.

5.2.2.4 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.

5.2.2.5 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.

5.2.2.6 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.

5.2.2.7 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.

5.2.2.8 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 retailed 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.

5.2.3 Remote Desktop

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.

5.2.3.1 Connecting to Terminal Server

- ✓ Select **Start > Programs > Remote Desktop**, 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 Desktop** window, type your user name, password, and domain(if required), and then select **OK**.

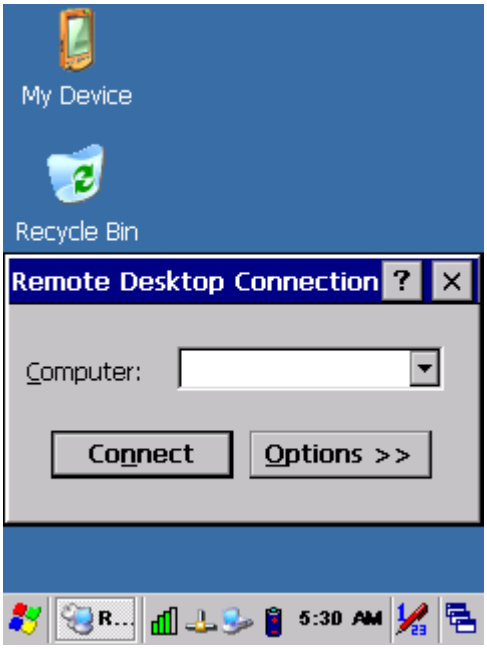


Figure 5-2 **Remote Desktop Connection**

5.2.3.2 Disconnecting Without Ending a Session

- ✓ In the **Remote Desktop 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).

5.2.3.3 Disconnecting and Ending a Session

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

5.2.4 Windows Explorer

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

5.2.4.1 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**.

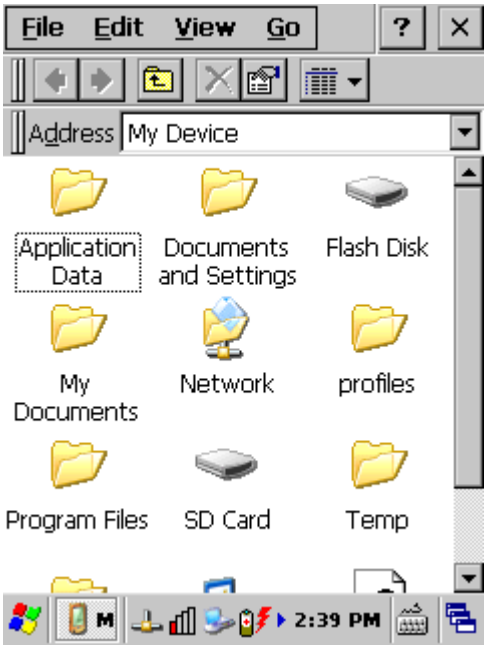


Figure 5-3 **Windows Explorer**

- ✓ **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.

5.2.4.2 Viewing Files as Icons Lists

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

5.2.4.3 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**.

5.2.4.4. 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**.

5.2.4.5 Switch to Internet

- ✓ Type a URL in the Address bar.

5.3 Flash Disk

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

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

We strongly recommend installing all applications, applets, programs, and important data files to the Flash Disk location.

Caution:

If an application or a data file is only installed or saved in RAM, a hard 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 **Flash Disk** location and save it.

5.3.2 Flash Disk Location

To access the contents of Flash Disk storage:

- ✓ Double-tap the **My Computer** icon on the desktop.
- ✓ Double-tap the **Flash Disk** icon to view **Flash Disk.**

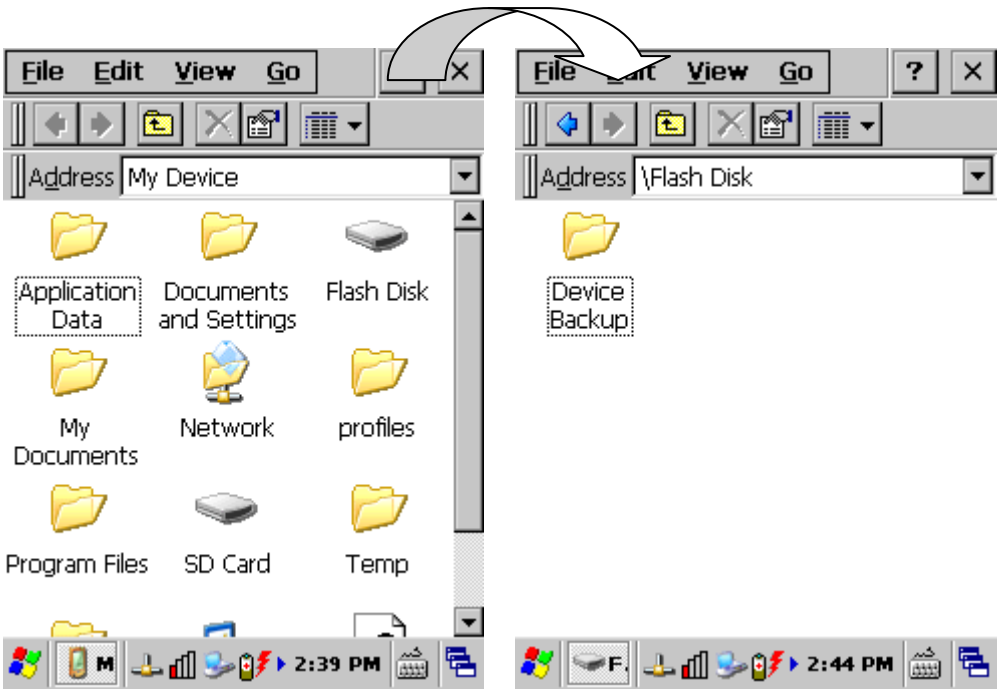


Figure 5-4 **FlashDisk**

5.3.3 Flash Disk Size

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

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

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



Figure 5-5 **FlashDisk Size**

Appendix A. GPRS Function

A.1 Using the GPRS Features

Use the Hand Held Terminal to make and receive data and send. Your telecom services provider may provide other useful services such as GPRS.

The Hand Held Terminal can also be used to connect to an Internet Service Provider (ISP) or work network so you can browse the Web and read e-mail. You can connect to the Internet or work network via GPRS (General Packet Radio Service).

A.1.1 SIM Card

A SIM (Subscriber Identity Module) card is required to operate the GPRS features on your Hand Held Terminal. The SIM card is a plastic card embedded with a computer chip that stores and transacts data. After the SIM card is activated by your Telecom service provider, the computer chip will contain information about your phone number, service, registration information, and contacts, as well as memory to store text.

A.1.2 Inserting a SIM Card

Note: *If the battery is already installed, you must take out it before inserting the SIM card.*

To insert the SIM card into the Hand Held Terminal:



Figure A-1 Insert SIM Card into Hand Held Terminal

1) Remove the battery cover and battery
2) Pushes the iron stock to front unlocks the slot and lifts the slot
3) Insert a correctly oriented SIM card
4) Put down the slot and push the iron stock to back to lock the slot
5) Insert the battery to battery compartment and lock battery cover



Figure A-2 Remove SIM Card from SIM card Tray

Note: *Repeat the same steps to remove the SIM card from the SIM card tray*

A.1.3 Pre-Start:

Warning!

1. If you using GPRS before power off, suspend/resume device or disconnected mode, you must power-on the device and launch the AP again.

Procedures:

1. Tap “Start” → “Programs” → “WAN Connection” to connecting GPRS.
2. If you have setting the PIN code, you might input the PIN code.
3. If you don’t want use GPRS Function, You might disable GPRS Power to saving battery power.

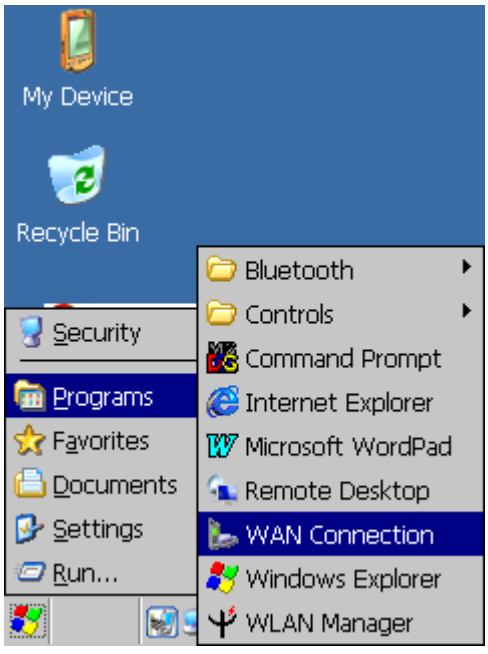


Figure A-3 **WAN Connection**

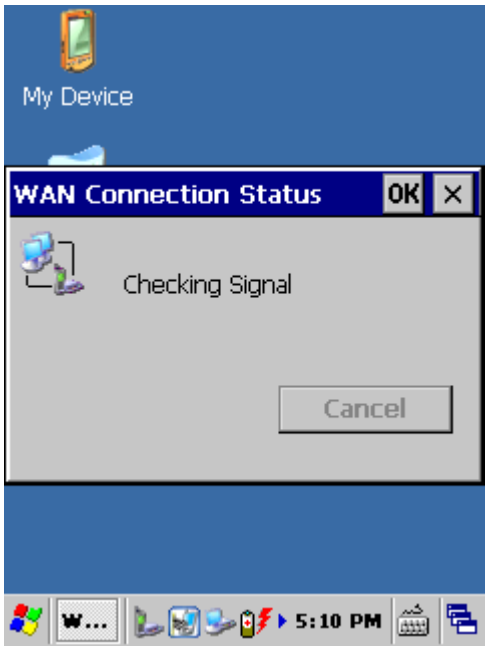


Figure A-4 **Checking Signal**

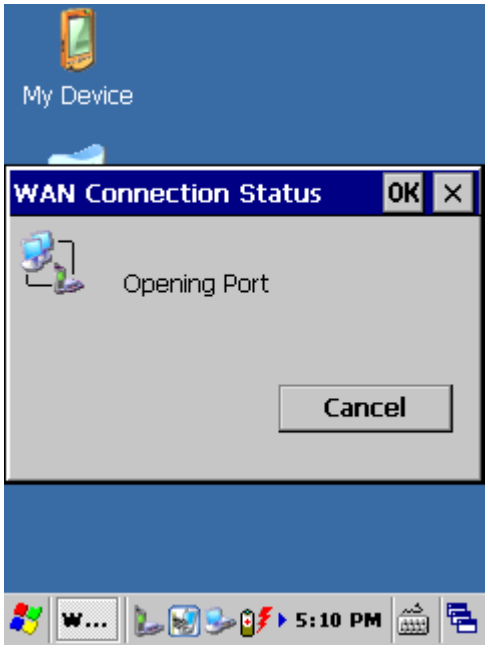


Figure A-5 **Open Port**

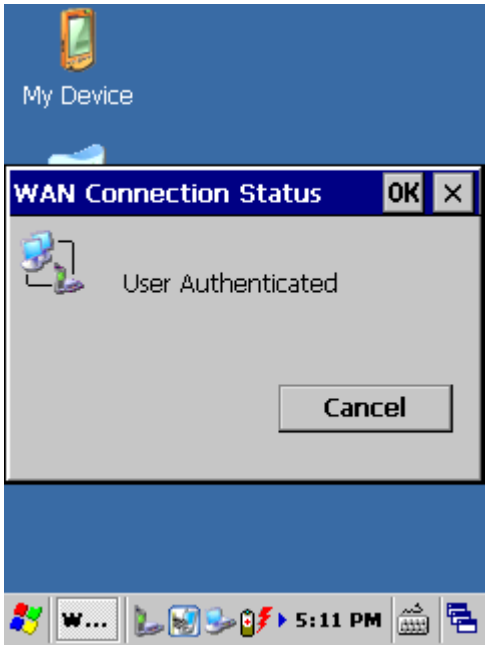


Figure A-6 **User Authenticated**

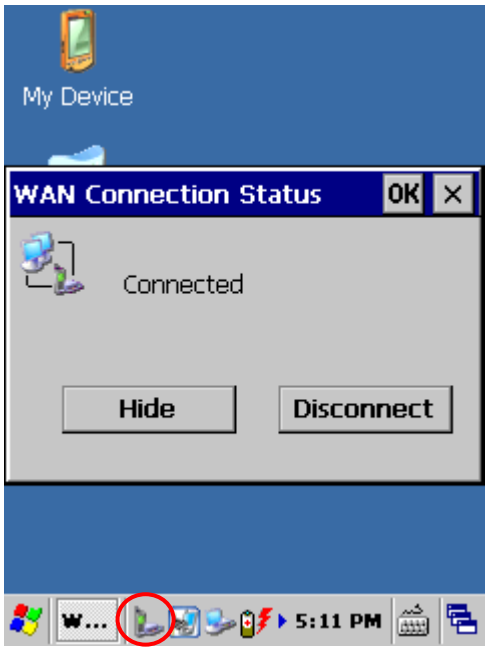


Figure A-7 **GPRS Connected**

SIM Card Already Setting PIN Code.

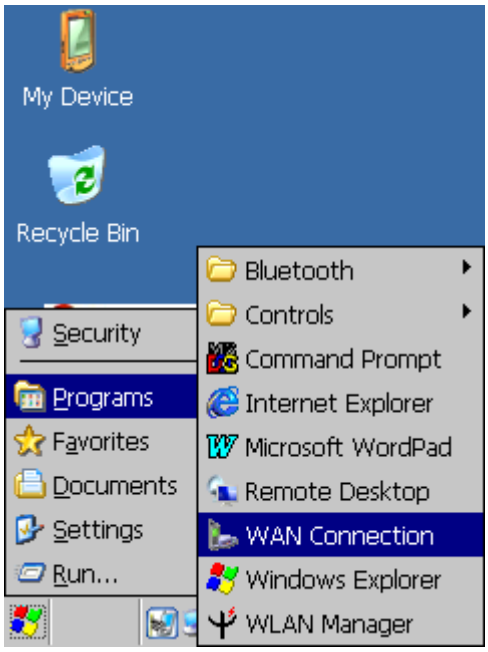


Figure A-8 **WAN Connection**

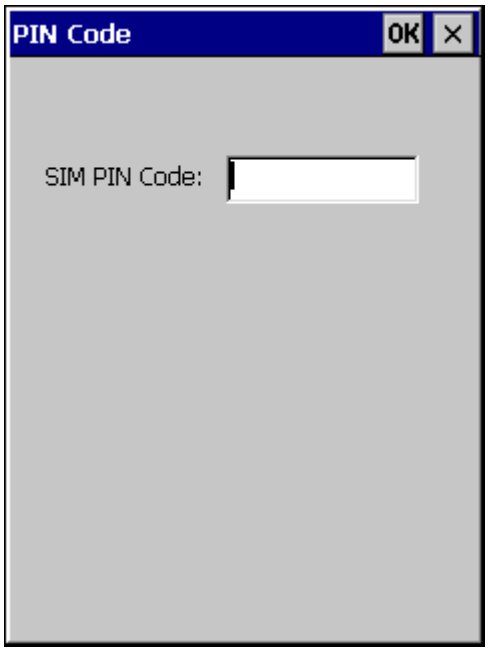


Figure A-9 **SIM PIN CODE Input**

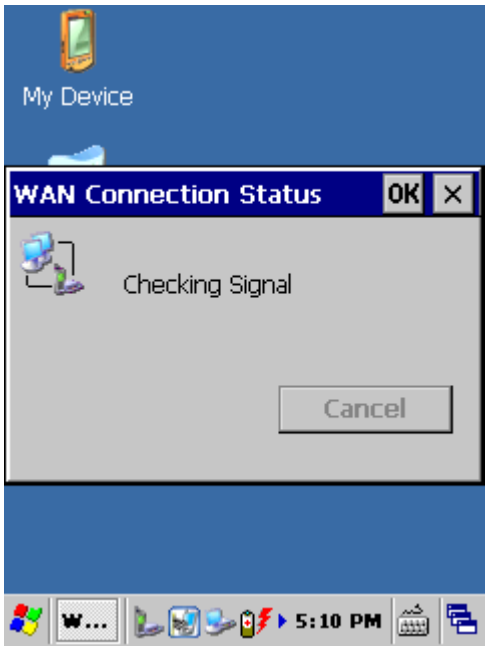


Figure A-10 **Checking Signal**



Figure A-11 **Opening Port**



Figure A-12 **GPRS User Authenticated**



Figure A-13 **GPRS Connected**

GPRS Module Active Symbol:

	GPRS Module is Connected

A.2 Select settings

Click the button to select the setting you want:

Set GPRS Connection: Use the standard WAN Connection or create a new connection.

Note: The already set up APN string provides one standard setting and could be different for some mobile phone providers. Please consult your mobile phone service provider how to set up the APN string.



Figure A-14 **Set GPRS Connection**

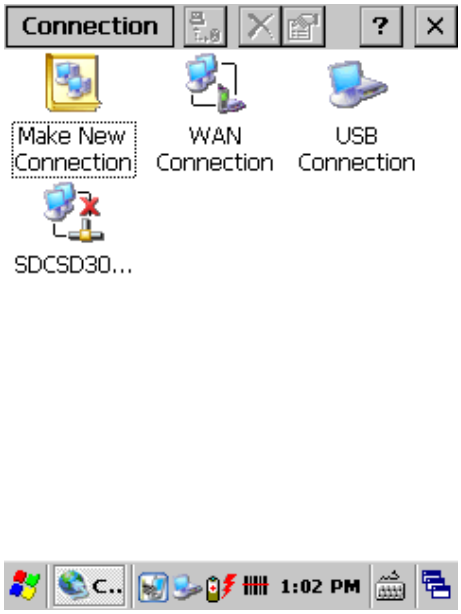


Figure A-15 **Set WAN(GPRS) Connection**

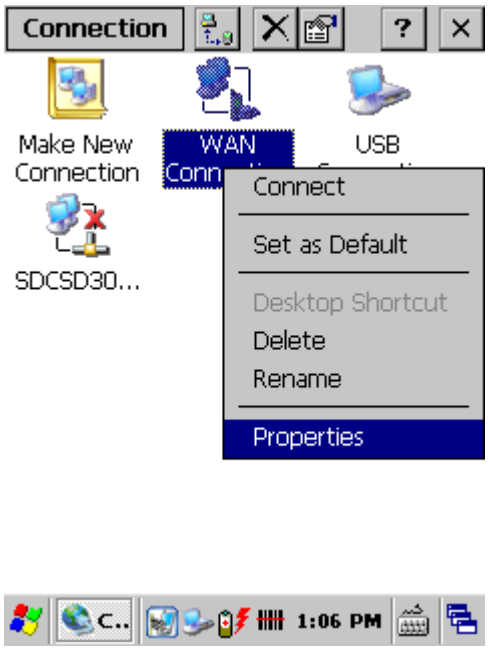


Figure A-16 **GPRS Properties**

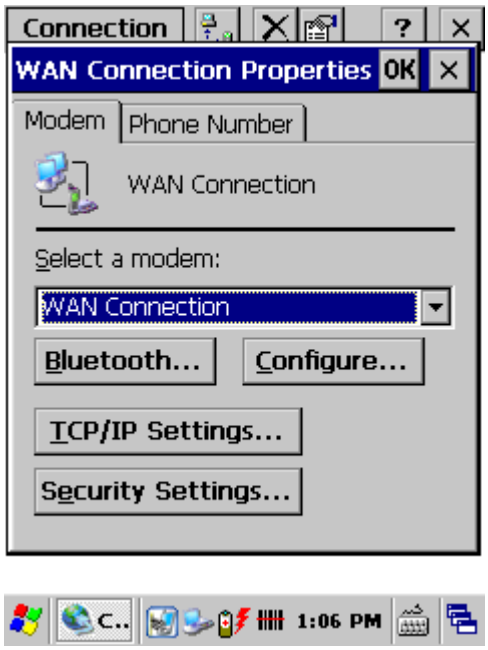


Figure A-17 **GPRS Modem Properties**

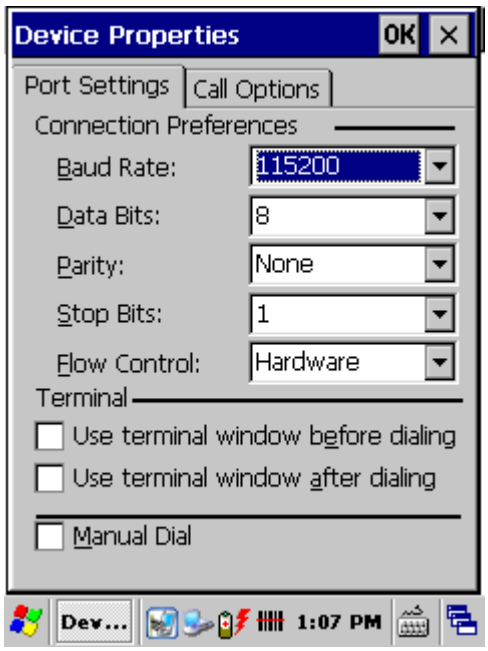


Figure A-18 **Configure-Port Settings**

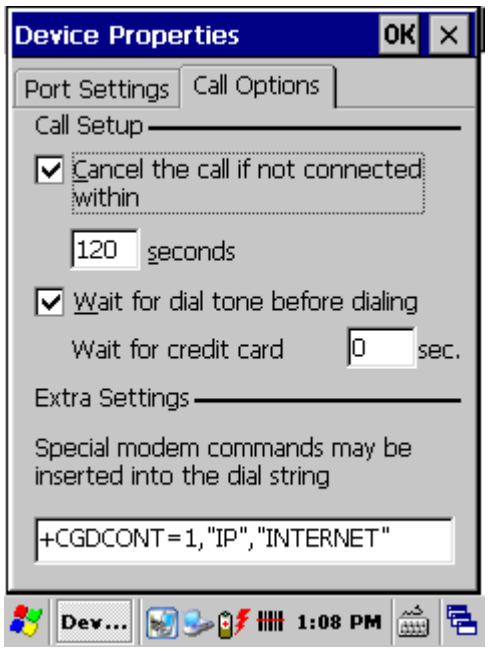


Figure A-19 **Configure-Call Options**

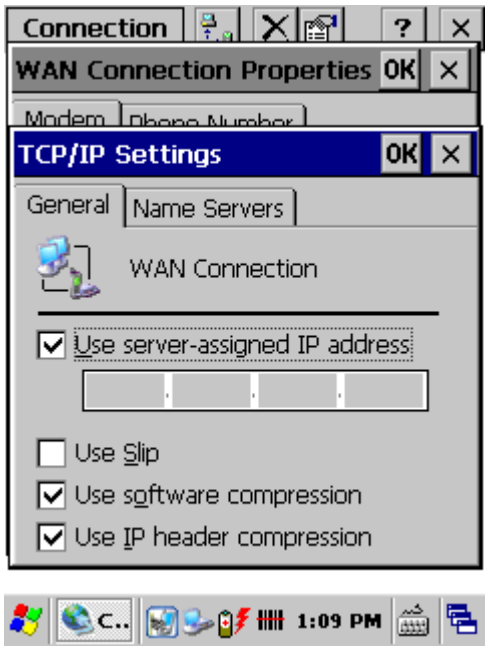


Figure A-20 **TCP/IP Settings-General**

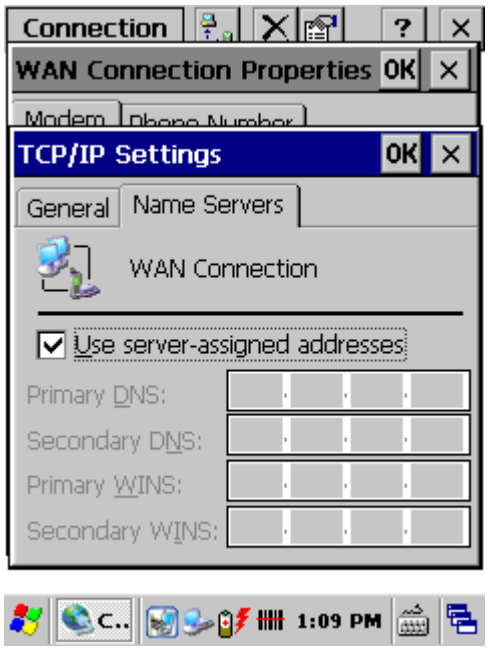


Figure A-21 **TCP/IP Settings-Name Servers**

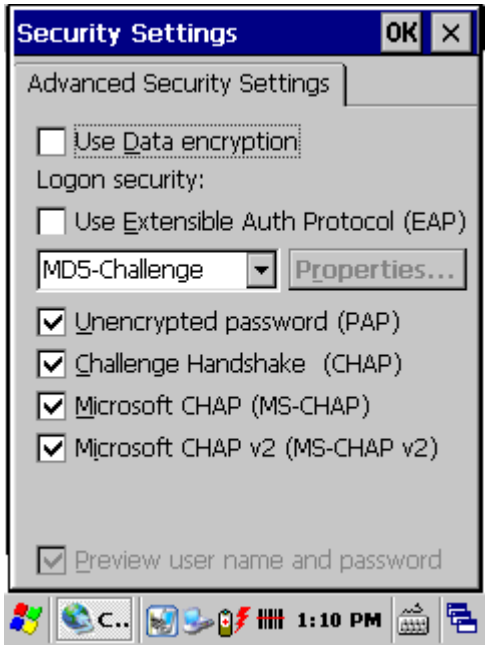


Figure A-22 **Set GPRS Connection-Security Settings**

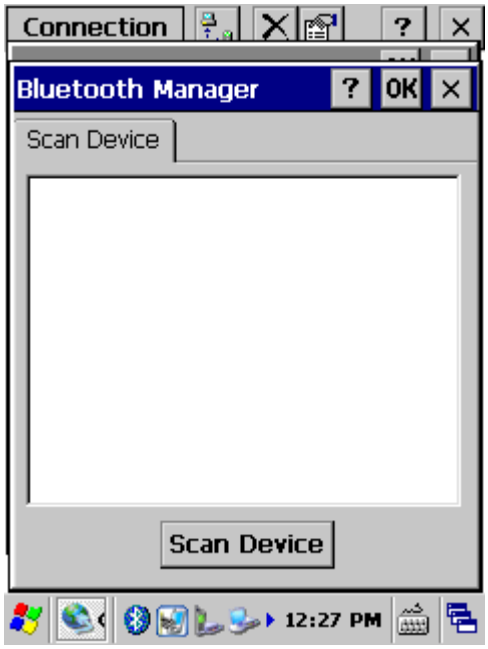


Figure A-23 **Set GPRS Connection-Bluetooth**

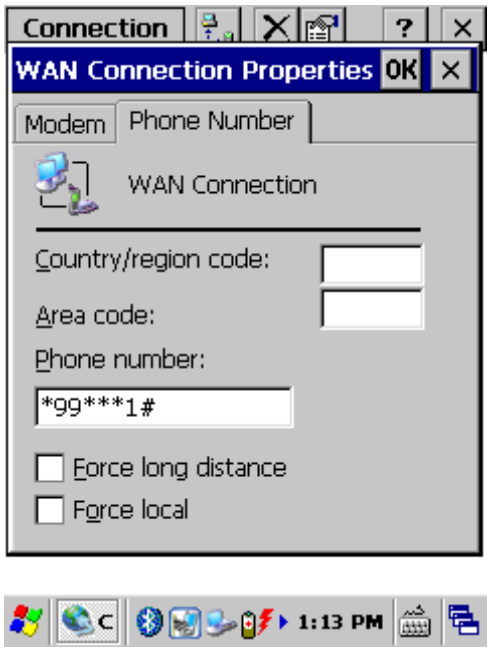


Figure A-24 **Set GPRS Connection-Phone Number**

Suspend / Resume

The GPRS module cannot re-connect automatically when the device is suspended and resumed. You might re-connect manually.

Appendix B. CAMERA Function

Operation and Function Description:

1.Tap “Start” → “Programs” → “Camera” to entry application software window. (Figure B-1, Figure B-2)

2.Press main scan key or Tap “Take Picture” to take photos.(Figure B-3)

3.Here are five settings that you can do. Such as “Resolution”, “Brightness”, “Flash LED”, “Auto Focus” and “Night Mode”.(Figure B-4 ~ Figure B-8)

4.Tap or icon to forward or backward photo which you want to view.(Figure B-9 ~ Figure B-11)

5.Tap icon to delete photos in the Gallery window.(Figure B-9)



Figure B-1. **Tap Start → Programs**

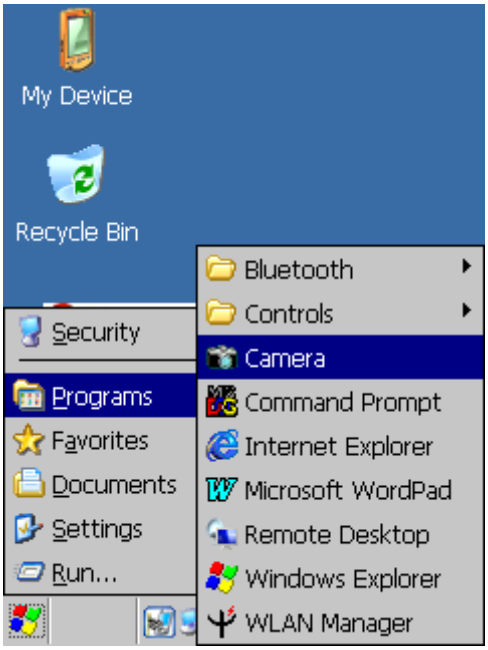


Figure B-2. **Tap Start → Programs → Camera**



Figure B-3. **Camera Application Window**

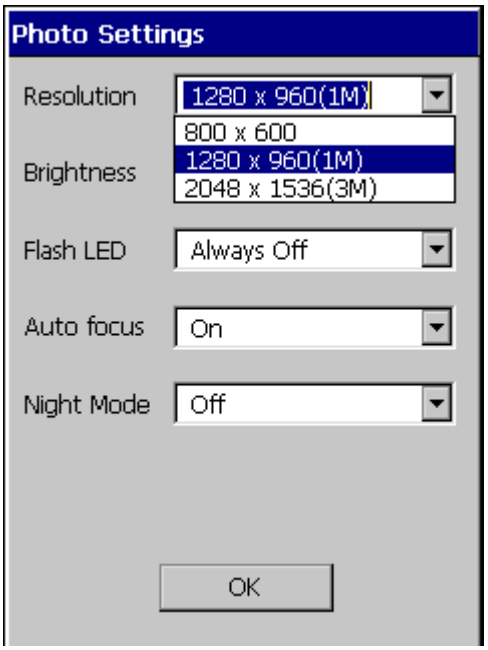


Figure B-4. **Settings → Resolution**

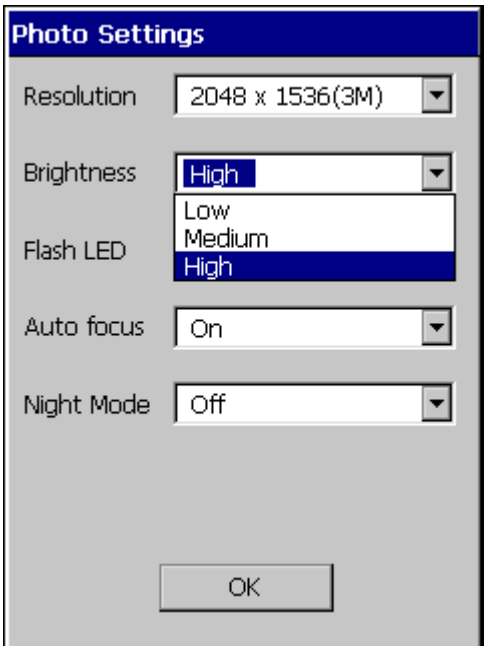


Figure B-5. **Settings → Brightness**

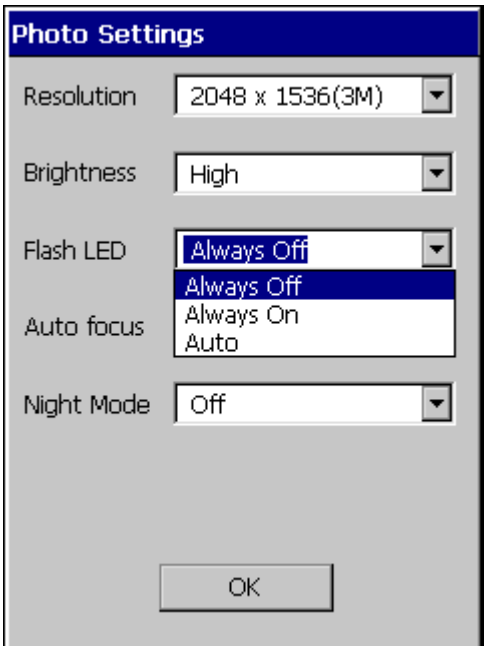


Figure B-6. **Settings → Flash LED**

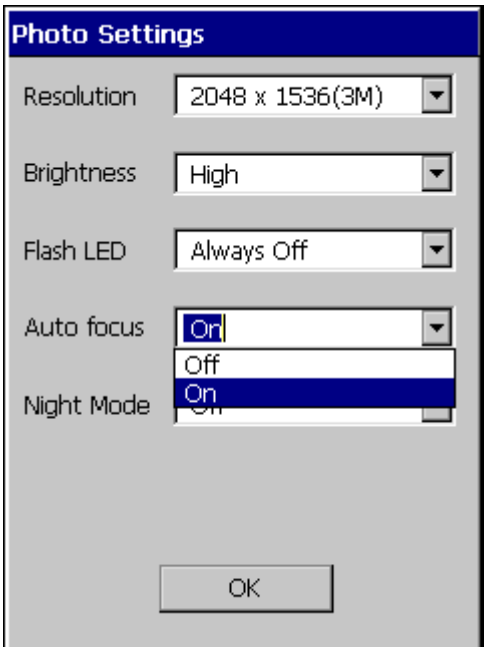


Figure B-7. **Settings → Auto Focus**

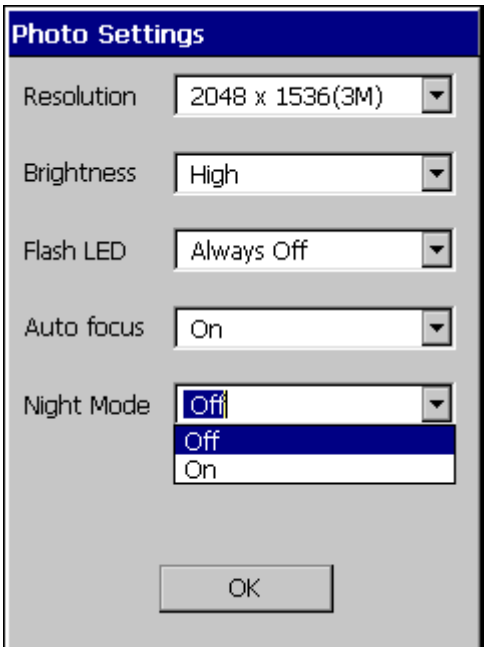


Figure B-8. **Settings → Night Mode**



Figure B-9. **Gallery → View Pictures**

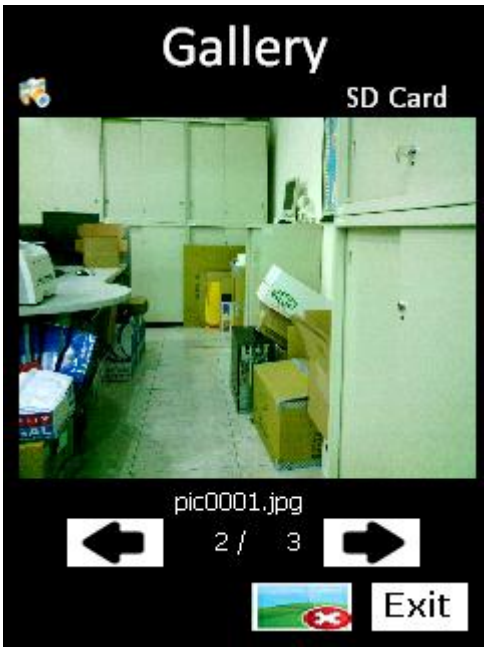


Figure B-10. **Gallery → View Pictures**

Appendix C. GPS Function

C. GPS Applicability

C.1 Setup Tab

Sub Item	Explaining	Remarks
GPS_NEMA	Enable the GPS Module Power	Please Enable it before use the GPS
COM Port Select	Default → COM7	
Baud Rate Select	Default → 9600	
Scan	Scan the COM port.	
Start GPS	Start GPS function.	
Cold Start	Refresh GPS function to default.	
Close	Disable the GPS device.	
Log File	Saved log “gpslog.txt” file to “My Device” folder.	

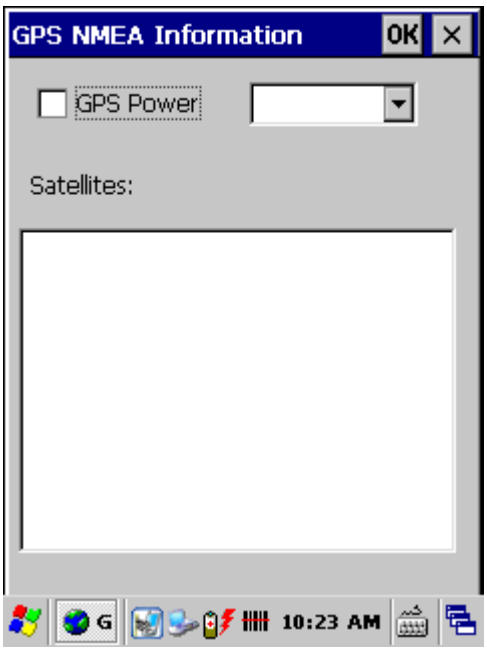


Figure C-1 **GPS-NMEA**

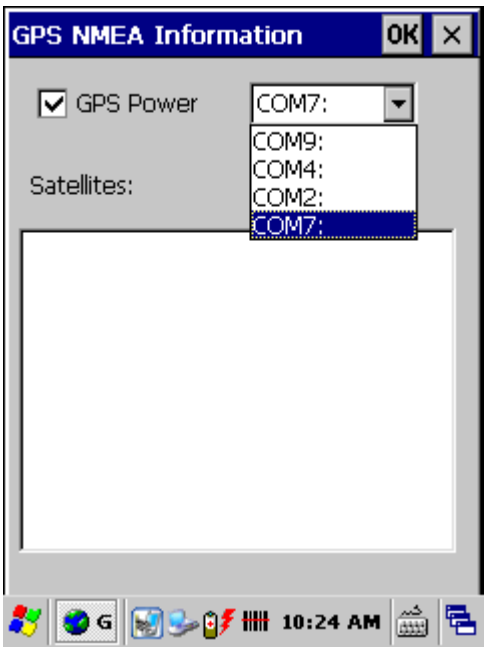


Figure C-2 **GPS Power On and COM Port**



Figure C-3 **GPS Power On and COM Port**



Figure C-4 **GPSinformation**

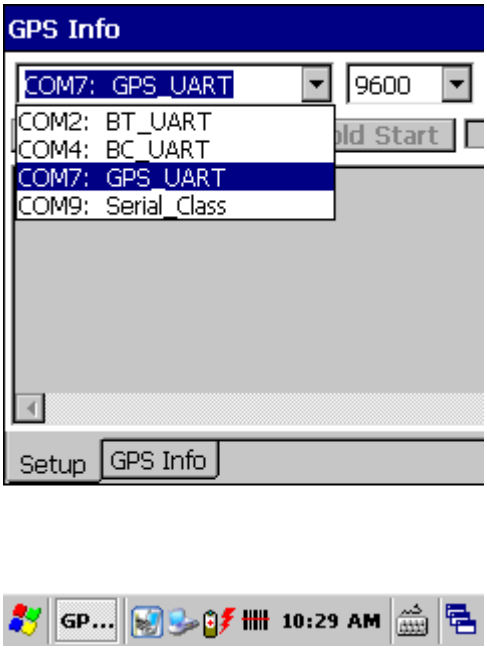


Figure C-5 **GPS COM Port**

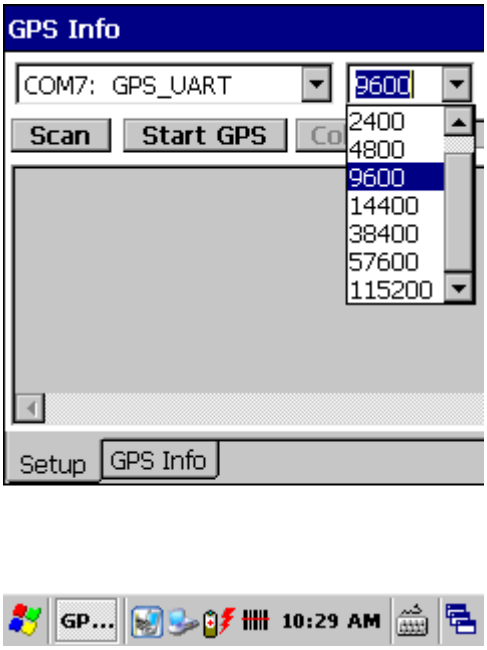


Figure C-6 **GPS COM Port and Baud Rate**



Figure C-7 **Start GPS**

C.2 GPS Info Tab

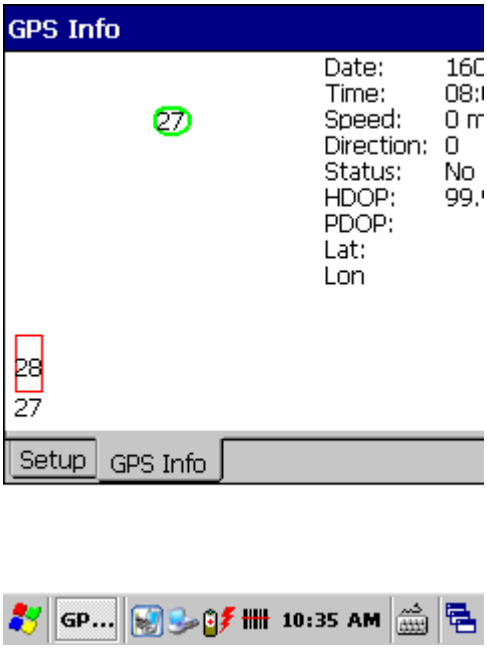


Figure C-8 **Satellite didn't fixed**

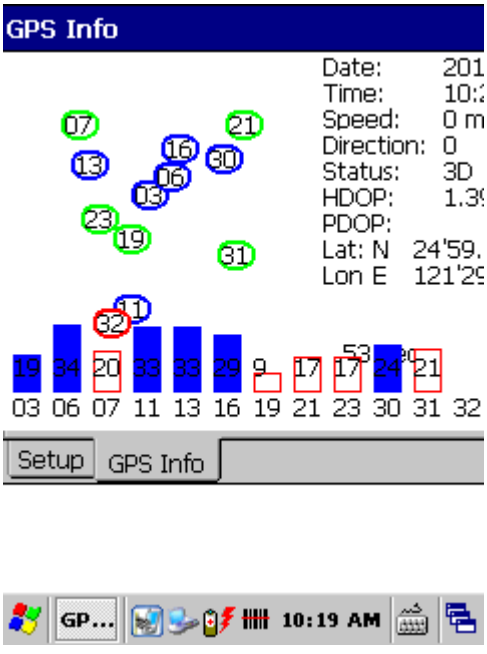


Figure C-9 **Satellite fixed**