MARS-1030F

WinCE. NET Rugged Portable Data Terminal

User Manual

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Contents

Chapter	1	Introduction	2
•	1.1	About this Manual	2
	1.2	User and Product Safety	
	1.3	Declaration of conformity	5
	1.4	Product Labeling	7
	1.5	System Specifications	
	1.6	Environment Standard	11
	1.7	Warranty and after service	12
	1.8	Technical Support and Assistance	12
	1.9	Document Feedback	
Chapter	2	Getting Started	
	2.1	Check the package	14
	2.2	General View of the PDT	
		2.2.1 PDT front side view	
		2.2.2 PDT back side view	
	2.3	Charging the Battery Pack	17
		2.3.1 Installing the battery pack	
		2.3.2 Charging the battery pack with a Power Adapter	
		2.3.3 Charging the battery pack with a Single Dock	
	2.4	Handling the PDT	
		2.4.1 Starting the PDT	
		2.4.2 Power on/off	
		2.4.3 Calibration of the touch Screen	
		2.4.4 Adjusting the brightness	
		2.4.5 To mute the Sound	
		2.4.6 Using the Stylus	
		2.4.7 Using the SC620 Keypad	
		2.4.8 Using Earphones and a Microphone	
	2.5	Navigating the Display	39
		2.5.1 Setting Time and Date	
		2.5.2 Entering the Data	
		2.5.3 The Command Bar	
		2.5.4 The Taskbar	
		2.5.5 The Soft Keypad	
		2.5.6 Setting Up a Wireless LAN	
		2.5.7 Scanning Barcode, 1D laser version	
		2.5.8 Reading barcodes, 2D CMOS version	
		2.5.9 Help	47
	2.6	Power Management	48
		2.6.1 Suspend Mode	
		2.6.2 Resuming	
	2.7	Resetting the PDT	
		2.7.1 Software (Warm) Reset	50

		2.7.2 Cold Reset	50
Chapter	3	Setting	52
	3.1	Introduction	52
	3.2	Control Panel	
		3.2.1 Barcode Setting	
		3.2.2 Symbologies List	
		3.2.3 Bluetooth Device Properties	
		3.2.4 Certificates	85
		3.2.5 Control Center	87
		3.2.6 Date/Time	
		3.2.7 Dialing Properties	
		3.2.8 Display Properties	94
		3.2.9 Input Panel	
		3.2.10 Internet Options	
		3.2.11 Keyboard	
		3.2.12 Network and Dial-up Connections	100
		3.2.13 Owner	105
		3.2.14 Password	106
		3.2.15 PC Connection	107
		3.2.16 Power	108
		3.2.17 Regional Settings	110
		3.2.18 Remove Programs	111
		3.2.19 Storage Manager	112
		3.2.20 Stylus	113
		3.2.21 System	115
		3.2.22 Volume & Sounds Properties	
	3.3	Taskbar and Start Menu	118
Chapter	4	Communication	120
I	4.1	Installing & Setting Up Microsoft ActiveSync	
	1.1	4.1.1 Installing Microsoft ActiveSync on the Host PC	120
		4.1.2 Connecting PDT to Host PC	
	4.2	Using ActiveSync	
		4.2.1 Setting up a Partnership	
		4.2.2 ActiveSync File Synchronization	
	4.3	Networking	
Chapter	5	Software Applications	
-	5.1	Introduction	124
	5.2	Software Applications	124
		5.2.1 Calculator	
		5.2.2 Inbox	124
		5.2.3 Internet Explorer	134
		5.2.4 Media Player	
		5.2.5 Messenger	
		5.2.6 Microsoft WordPad	
		5.2.7 Remote connection	

	5.2.8	Windows Explorer	146
5.3	DiskO	nChip	148
	5.3.1	Saving to flash	
	5.3.2	DiskOnChip location	
	5.3.3	DiskOnChip size	149
Appendix A	Barc	ode Setting1	152
A.1	Setup '	Tab	152
	A.1.1	Symbology setup	
	A.1.2	Decoder setup	155
	A.1.3	Options	157
A.2		e Tab	
A.3		ologies List	
	A.3.1	Aztec	
	A.3.2	Codabar	
	A.3.3	Code 11	
	A.3.4	Code 128	
	A.3.5	Code 39	
	A.3.6	Code 49	
	A.3.7	Code 93	
	A.3.8	Composite Codes	
	A.3.9	Data Matrix	
		EAN-8	
		EAN-13	
		Interleaved 2 of 5	
		MaxiCode	
		MicroPDF417	
		OCR-A, OCR-B, US Currency	
		PDF417	
		Postnet	
		QR Code	
		Reduced Space Symbology	
		UPC-A	
		UPC-E	
		UPC-E1	
		ISBT	
		British Post	
		Canadian Post	
		Australian Post	
		IATA 2 of 5 Codablock F	
		Japanese Post Planet Code	
		KIX (Netherlands) Post	
		MSI TCIF Linked Code 39	
	A.3.33	ICIF Linked Code 39	204

A.3.34	Matrix 2 of 5	
A.3.35	Korean Post .	

CHAPTER

Introduction

This chapter presents general information about the MARS-1030F.

Chapter 1 Introduction

Congratulations on purchasing the MARS-1030F Portable Data Terminal (PDT), a Microsoft Windows® CE .Net rugged PDT. Its special combination of features makes it perfect for using in a wide range of applications. These features are:

- Intel® XScale[™] PXA255 400 MHz 32 bits RISC Processor
- Windows® CE .NET 4.2 Operating System
- 64/128/256 MB SDRAM & 64/128 MB Flash ROM
- Open Architecture: User Accessible SD/CF/PCMCIA Slot
- 240 x 320, 3.5" Color TFT Display with Touch Panel
- 1 Alpha-numeric Keyboards with LED backlight
- 802.11b Radio Support (Bluetooth Optional)
- Integrated 1D or 2D Barcode Scanner

1.1 About this Manual

The following chapters contained in this manual are:

Chapter 1:	Introduction—Presents general information about the PDT.
Chapter 2:	Getting started—Describes the basic use of the PDT.
Chapter 3:	Setting—Provides basic instructions for customizing the PDT by adjusting settings.
Chapter 4:	Communication—Describes how to use the communica- tion features of the PDT.
Chapter 5:	Software Application—Software implement procedures.
Appendix A:	Barcode Setting—Provides instructions for customizing the barcode engine.

1.2 User and Product Safety

- Do not stare into the laser 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 possibly cause personal injury. If the LCD panel is broken, never touch the liquid inside, for such contact would irritate the skin.
- Although the MARS-1030F PDT has passed IP54 standard tests for water and dust resistance, avoid prolonged exposure to rain or other concentrated moisture. For these conditions exceed the IP54 standard, and could result in water or other contaminants entering the PDT.
- Use only the approved AC Adapter with the PDT. Use of an unapproved AC Adapter could result in electrical problems, or even cause a fire or electrical shock to the user.
- Be sure that only authorized suppliers are allowed to disassemble and reassemble the device. If the device or parts has been damaged due to wrong handling, the product and parts warranty shall be void.
- Always make backup copies of all important data. This is easily one by using a cable or Single Cradle (sold as an option) to transfer data to the computer. The manufacturer is not liable for any data damage or loss caused by deletion or corruption of data when using this device or caused by a drained battery.
- Lithium-ion battery packs might get hot, explode, ignite and/or cause serious injury abused. Please follow the safety warnings listed as below:
 - Do not place the battery pack in fire or heat the battery.
 - Do not install the battery pack backwards so the polarity is reversed.
 - Do not connect the positive and negative terminals of the battery pack together with any electrically conductive object.
 - Do not carry or store battery pack together with metal objects.
 - Do not pierce the battery pack with nails, strike the battery pack with a hammer, step on the battery pack or otherwise subject it to strong impacts or shocks.
 - Do not solder directly 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 devices, 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.

Caution!



There is a danger of a new battery exploding if it is incorrectly installed. Do not attempt to recharge, force open, or heat the battery. Replace the battery only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

Achtung!

1.3 Declaration of conformity

FCC Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

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

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

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

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

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

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

Caution: <u>Advantech declares that MARS-1030F is limited in</u> <u>CH1~CH11 for 2.4GHz by specified firmware controlled in</u> <u>U.S.A.</u> The FCC ID of MARS-1030F is M82-MARS-1030F.

CE

This product has passed the CE test for environmental specifications. Test conditions for passing included the equipment being operated within an industrial enclosure. In order to protect the product from being damaged by ESD (Electrostatic Discharge) and EMI leakage, we strongly recommend the use of CE-compliant industrial enclosure products.

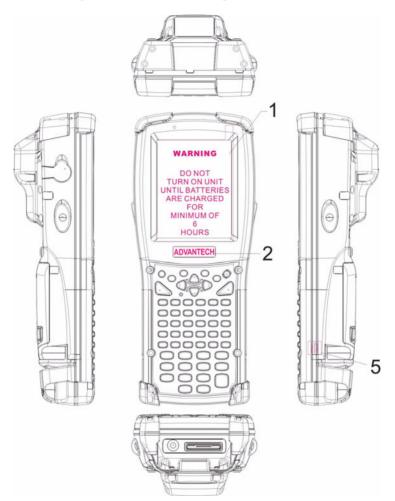
IMPORTANT FOR LASER PRODUCTS

- 1. Class II Laser Product
- Caution use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- 3. "Laser Radiation—Do not stare into beam"
- 4. Do not allow young children to use the product without adult supervision.
- 5. Do not replace/repair the LED/Laser. These are not user replaceable.
- 6. Do not shine the LED/Laser on a reflective surface.

1.4 Product Labeling

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

Figure 1.1: Product Labeling (Front side view)



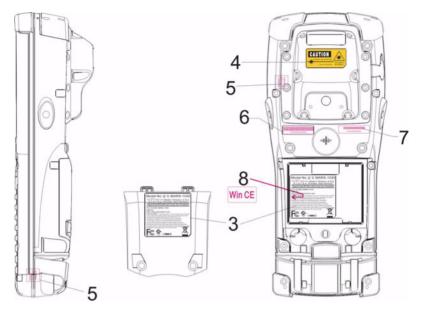


Figure 1.2: Product Labeling (Back side view)

1.5 System Specifications

The MARS-1030F PDT detailed specifications follow. Unless otherwise noted, all the specifications are subject to change without prior notification.

Table 1.1: System Specification				
MARS-1030F				
Processor	- 400 MHz Intel PXA255 32 bits RISC CPU			
Memory	 64 or 128 MB Flash ROM 64,128 or 256 MB SDRAM 			
Display	 240 x 320 3.5" TFT 256K Color LCD with LED backlight 			
Audio	 One mono speaker 2.5 mm DIA Stereo Earphone Jack with Microphone input 			
Radio Support	Wireless LAN: 802.11b (optional)Bluetooth: Class II (optional)			
Communication Ports	 USB: Support USB v1.1 both host and client. (PDT and Cradle) Serial: RS-232 via optional cable or Cradle. 			
Scan Engine (Optional)	 Opticon Laser (1D) Engine HHP 2D Imager. 			
Expansion Slot	 One Compact Flash Type-II slot One PCMCIA slot One SD Card slot (supports SD memory only) 			
LED	 One Triple-Color LED for Charger Indicator and Alarm Notification One Dual-Color LED for Scanner Indicator 			
Power System	 Standard Li-Ion Battery Pack, 3.7 V, 3000 mAh Advanced Smart Battery with Gas-Gauge Built-in Battery Charger 2.4 V / 15 mAh rechargeable backup battery One Battery Cover Sensor Switch Power Adapter: 100 ~ 240 V AC, 50/60 Hz Input; 5 V DC / 2.6 A, 3 A Output 			

Chapter 1

Button/Key Dimensions and Weight	 One power button 4 navigation buttons 4 application buttons 3 barcode scanner buttons One application hot key 44 key alpha-numeric keyboard Dimensions: 220 mm (L) x 91.3 mm / 78 mm (W) x 42.2 mm / 60.6 mm (H) Weight: 660 g with Standard Battery Pack
	600 g without Battery Pack
Color	- Black
	 Standard Packing list: MARS-1030F Terminal Stylus USB Client Cable for Terminal Earphone/ Microphone Set Standard AC Adapter 5 V DC / 2.6 A AC Power Cord Standard Battery Pack (3.7 V, 3000 mAh) CF Support Guide Quick Guide
Standard packing list and Optional accessories	 Optional Accessory: 1. RS-232 Serial Cable for Terminal 2. USB Host Cable for Terminal 3. High-Capacity Li-Ion Battery Pack (3.7 V, 4000 mAh) 4. RFID Card Cover 5. Single Dock 6. Pistol Grip 7. 4-Slot Battery Charger 8. Car Adapter 9. Holster 10. Protect Film
Software	- Microsoft Windows CE.NET 4.2 Professional

1.6 Environment Standard

Table 1.2: Environment Standard			
Operating Temperature	14 ~ 122° F (-10 ~ 50° C)		
Storage Temperature	-4 ~ 158° F (-20 ~ 70° C)		
Humidity	5 ~ 80% (non-condensing)		
Drop	5 ft (1.5 m) Drop to Concrete		
Water & Dust proof	IP54 Certificated		
Vibration	MIL STD 810F		

1.7 Warranty and after service

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

1.8 Technical Support and Assistance

- 1. Visit the Advantech web site at **www.advantech.com/support** where you can find the latest information about the product.
- 2. Contact your distributor, sales representative, or Advantech's customer service center for technical support if you need additional assistance. Please have the following information ready before you call:
 - Product name and serial number
 - Description of your peripheral attachments
 - Description of your software (operating system, version, application software, etc.)
 - A complete description of the problem
 - The exact wording of any error messages

1.9 Document Feedback

To assist us in making improvements to this manual, we would welcome comments and constructive criticism. Please send all such - in writing to: support@advantech.com



Getting Started

This chapter describes the basic use of the PDT.

Chapter 2 Getting Started

2.1 Check the package

Open the package and check that nothing is missing or damaged.

Figure 2.1: Inside the package



- 1. MARS-1030F Terminal
- 2. Standard Battery Pack (3.7 V, 3000 mAh)
- 3. Earphone/Microphone Set
- 4. Stylus
- 5. USB Client Cable for Terminal
- 6. CF Support Guide
- 7. Standard AC Adapter 5 VDC / 2.6 A
- 8. AC Power Cord
- 9. Quick Guide (Not Shown)

2.2.1 PDT front side view

Figure 2.2: PDT Front side view



2.2.2 PDT back side view

Figure 2.3: PDT back side view



Tab	le 2.1: Description of PL	DT General View		
		"Red" color	Reading barcode	
1	Scanner LED Indicator	"Green" color	Successful reading	
2	Charge LED Indicator	"Red" color	Charging battery	
2	Charge LED Indicator	"Green" color	Battery charged full	
3	LCM / Touch Panel	Do specific actions wi stylus	th touch panel and	
4	Left Scan key Right Scan key Scan key	Start scanning the bar one of these three sca	code by pressing any an keys	
5	Power key	Puts the terminal into nal from suspend mod		
6	F1 ~ F4 key	Four application progr as defined by the end		
7	Navigation key	Navigation keys for left, right, up and down directions		
8	Numeric keys	Numeric keys		
9	Alphabetic key	Alphabetic keys		
10	Fn key	This key is used in combination with other keys to type special characters and perform system functions.		
11	Enter key	This key confirms data entry		
12	Earphone Jack Con- nector	A connector to plug a	earphone	
13	USB / Serial / Synchro- nization port	A connector to support and serial functions	rt USB Host/Client	
14	Scan window	A window for scanning of barcode reader		
15	Stylus	Use the stylus for selecting items and enter- ing information.		
16	Battery Cover	Protects the battery pack and keeps the battery switch covered to keep the system in suspend mode		
17	Battery Cover Latch	To keep the Battery Cover locked		
18	Hand-strap	This strap can be sealed tighter or looser		
19	Speaker	1.5 W speaker for audio sound		
20	DC Power Jack	A connector to support AC power.		
21	End Cap	Protects the CF and S water	D slots from dust and	

2.3 Charging the Battery Pack

Charge the battery pack before using the PDT by following these steps.

2.3.1 Installing the battery pack

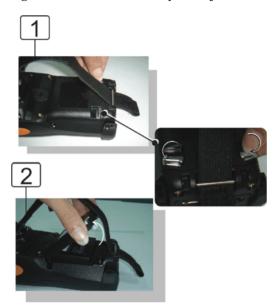
1. Detach and loosen the hand-strap.

Figure 2.4: Release the hand-strap from PDT



2. Turn the locking screws (right and left) downwards and lift the battery cover away from the PDT.

Figure 2.5: Detach the battery cover from PDT



3. Insert the battery pack into the battery compartment with the label facing out, and ensure the battery snaps into place.

Figure 2.6: Insert the battery pack



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



Figure 2.7: Replace the battery cover

5. Charge the battery pack for about 6 hours, when charging for the first time. Subsequent charges need about 4 hours.

When charging the battery pack, the charge indicator on the PDT turns Red. After the battery pack is fully charged, the indicator turns Green.

2.3.2 Charging the battery pack with a Power Adapter

- 1. Connect the Power cord to the Power adapter.
- 2. Plug in the connector of the power adapter.
- 3. Connect the power cord to a power source.

Figure 2.8: Charging with a power adapter



When charging the battery pack, the charge indicator on the PDT turns Red. After the battery pack is fully charged, the indicator turns Green.

2.3.3 Charging the battery pack with a Single Dock

a) Leave the battery pack inside the PDT

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



Figure 2.9: Charging with a Single Dock

When charging the battery pack, the charge indicator on the PDT turns Red. After the battery pack is fully charged, the indicator turns Green.

CAUTION: Single Cradle Adapter supplies 5 V DC / 6.5 A. This is different from the PDT Adapter (5 V DC / 2.6 A). Please use the Single Cradle Adapter only.

- b) Place the spare battery pack into the Single Cradle's spare Battery charging slot.
- 1. Connect the power cord to the power adapter.
- 2. Connect the power cord to a power source.
- 3. Plug the connector of the power adapter into the Single Cradle.
- 4. Insert the battery pack into the Single Cradle's spare Battery slot.

When charging the battery pack, the charge indicator on the PDT turns Red. After the battery pack is fully charged, the indicator turns Green.

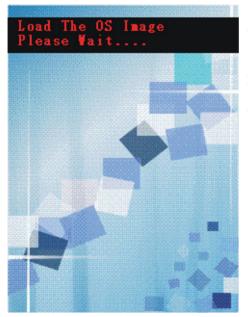
CAUTION: If the battery pack is removed from the PDT for too long, the data stored inside the SDRAM will be lost. Switch off the PDT if you want to change the main battery pack.

2.4 Handling the PDT

2.4.1 Starting the PDT

Press the power key to turn on/off the PDT. If the PDT does not power on, perform a cold boot. See "Resetting the PDT" on page 50.

CAUTION: When a battery is inserted into the PDT for the first time, upon the PDT's first power up, the device boots and powers on automatically.



When the PDT is powered on for the first time, it initializes its system. A splash screen appears for a short period of time followed by the Win CE .NET 4.2 window.

Figure 2.10: Starting the PDT

2.4.2 Power on/off

To turn on the PDT:

Press the power key briefly (). If the PDT does not power on, perform a cold reset. See "Resetting the PDT" on page 50.

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

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

2.4.3 Calibration of the touch Screen

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

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

The touchscreen can be recalibrated at any time using **Start > Settings > Control Panel > Stylus**, to open the Calibration program.

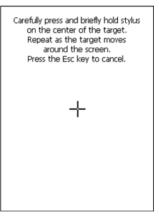


Figure 2.11: Calibration

2.4.4 Adjusting the brightness

Middle brightness is the factory default. You can adjust the brightness to meet your environment and comfort as follows.

• Press the Fn key and then press on the right key of Navigation

key 🛴 🦒 to increase brightness.

• Press the Fn key and then press on the left key of Navigation

key $\langle \langle - \cdot \rangle$ to decrease brightness.

• The display will become dimmer automatically, if you do not perform any operation for a specific period of time. This helps to save battery power.

2.4.5 To mute the Sound

To mute the sound, press the **F**n key first, and then press the **ESC** key to turn the sound off or on.

2.4.6 Using the Stylus

The stylus is located next to the hand-strap on the left rear side of the PDT as illustrated in "PDT back side view" on page 15. The stylus function is same as the mouse on a PC. Use the stylus to:

Navigate the display, select menu items and open applications.

Type characters on soft keyboard panel.

Select an item from a drop-down list.

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

2.4.7 Using the SC620 Keypad





Table 2.2: Keypad List				
Кеу	Main Keypad ListFunction	Fn + Main Function		
\bigcirc	None			
	Main Bar- code Scan Key			
C	Power On/Off			
F1	Internet Explorer			
F2	Microsoft WordPad			
F 3	Inbox			
F4	File Explorer			

Table 2.2: Keypad	List	
Кеу	Main Keypad ListFunction	Fn + Main Function
*>	Right	Increase of Brightness
<*	Left	Decrease of Brightness
PgDn	Down	Page Down
PgUp	Up	Page Up
Esc	Esc	
Caps	Caps	
Tab	Tab	
BS	Backspace	
A	A	F5
В	В	F6
С	С	F7
D	D	F8
E	E	(
F	F)
G	G	[

MARS-1030F User Manual

Table 2.2: Keypad List		
Кеу	Main Keypad ListFunction	Fn + Main Function
Н	Н]
	1	{
J	J	}
К	К	€
L	L	\$
м	М	#
N	N	%
0	0	٨
Р	Р	~
Q	Q	,
R	R	•
S	S	i
Т	Т	?
U	U	١
V	V	=
l		1

Table 2.2: Keypad Lis	t	
Кеу	Main Keypad ListFunction	Fn + Main Function
W	W	÷(1)
X	X	-4)
Y	Y	;
Z	Z	/
1	1	@
2	2	,
3	3	+
4	4	Paste
5	5	Del
6	6	(Minus Sign)
7	7	Сору
8	8	&
9	9	*
0	0	Start Menu
	. (Point)	Space

MARS-1030F User Manual

Table 2.2: Keypad List				
Кеу	Main Keypad ListFunction	Fn + Main Function		
SHIFT	SHIFT			
Fn	Function change			
ENT	Enter			

Table 2.3: Special Assembler Key					
Assembler Key	Functionality	Definition			
F1 F4	Warm Reset	Press " F1 " and " F4 " button simul- taneously.			
U F1 F4	Cold Reset	Press "Power ", "F1 " and "F4 " but- ton simultaneously.			

Table 2.4: Defin	Table 2.4: Definition of Main Function				
Кеу	Main Function	Definition			
\bigcirc	None	Keep its function by customer demand.			
	Main Bar- code Scan Key	The key acti- vates the scan function of SC620.			
U	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 sec- onds.			
F1	Internet Explorer	User definable application key 1			

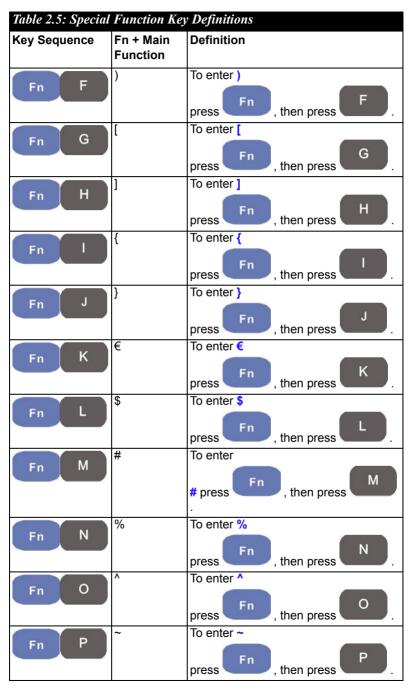
Table 2.4: Defi	nition of Main Funct	ion
Кеу	Main Function	Definition
F2	Microsoft WordPad	User definable application key 2
F3	Inbox	User definable application key 3
F4	File Explorer	User definable application key 4
*>	Right	Move the cursor one character to the right. The cursor will move continuously if the key is pressed continuously.
<*	Left	Move the cursor one character to the left. The cursor will move con- tinuously if the key is pressed continuously.
PgDn	Down	Move the cursor down one row or line down.The cursor will move continuously if the key is pressed continuously.
PgUp	Up	Move the cursor up one row or line up. The cursor will move con- tinuously if the key is pressed continuously.
Esc	Esc	This key cancels an action.
Caps	Caps	Conversion of the capital & lower case of the alpha key.
Tab	Tab	This key moves the cursor to the next tab stop or the next control (on a form).
BS	Backspace	This key deletes the previous character and moves the cursor back one space if you are typing text. The cursor will move contin- uously if the key is pressed con- tinuously.

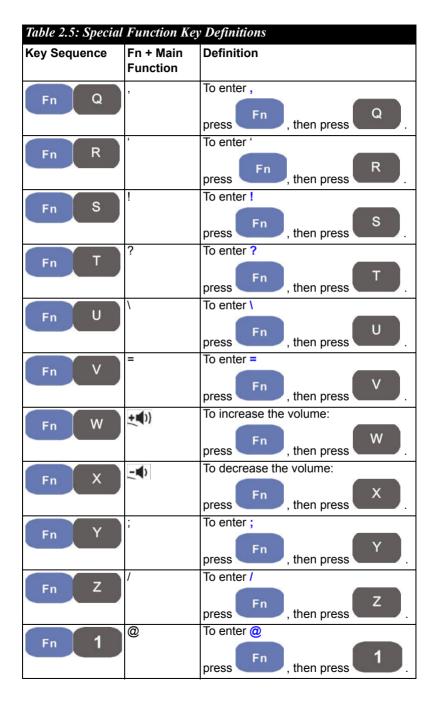
Table 2.4: Definition of Main Function				
Кеу	Main Function	Definition		
A ~ Z	A ~ Z	Use the alphabetic keys for alphabetic characters.		
1 ~ 0	1~0	Numeric keys		
		Decimal point key		
SHIFT	SHIFT	Press and release the SHIFT key to activate the keypad alternate SHIFT functions. The icon appears on the taskbar. Press and release the SHIFT key again to return to the normal keypad functions.		
Fn	Function change	The Fn key is used in com- bination with other keys to type special characters and perform system functions.		
ENT +	Enter	This key confirms data entry		

2.4.7.1 Special Function by "Fn" + Main Function

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

Table 2.5: Special	Function Key	<i>Definitions</i>
Key Sequence	Fn + Main Function	Definition
Fn 🏞	Increase Brightness	To make the screen lighter: press Fn, then .
Fn <*	Decrease Brightness	To make the screen darker: press Fn, then .
Fn PgDn	Page Down	To move the cursor down one page: press Fn, then . The cursor will move continuously if the key is pressed continuously.
Fn	Page Up	To move the cursor up one page: press Fn, then press Pgup. The cursor will move continuously if the key is pressed continuously.
Fn A	F5 (Barcode Settings)	User definable application key 5.
Fn B	F6 (Media Player)	User definable application key 6.
Fn C	F7 (Calculator)	User definable application key 7
Fn D	F8 (Information)	User definable application key 8.
Fn E	(To enter (press Fn, then press E.





MARS-1030F User Manual

Table 2.5: Specia	l Function Key	Definitions
Key Sequence	Fn + Main Function	Definition
Fn 2	3	To enter '
		press Fn , then press 2 .
Fn 3	+	To enter +
	Paste	press , then press . To paste an object or text:
Fn 4	T dole	press Fn , then press 4
Fn 5	Del	To delete the next character:
		press Fn , then press 5.
Fn 6	(Minus Sign)	To enter a minus sign: press Fn, then press 6.
	Сору	To copy an object or text:
Fn 7		press Fn, then press 7.
Fn 8	&	To enter &
		press Fn, then press 8.
Fn 9	*	To enter *
		press Fn, then press 9.
Fn O	Start Menu	To show the Start menu.:
		press Fn, then press 0.
Fn	Space	To enter a space:
		press Fn, then press .

2.4.8 Using Earphones and a Microphone

Connect earphones and a microphone to PDT earphone jack connector. The PDT doesn't have a built in microphone; if you want to make voice recordings, you have to use an external microphone.



Figure 2.13: Earphones

2.5.1 Setting Time and Date

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

Date	/Tin	ne P	rop	erti	es		? 0	К	×
Date	/Tim	e							
	•		Maro	:h 2	2006	5	►		
	<u>8</u> 26 5 12 19 26 2	M 27 6 13 20 27 3	T 28 7 14 21 28 4	W 1 15 22 29 5	T 9 16 23 30 6	F 3 10 17 24 31 7	5 4 11 18 25 1 8		
12:17:02 PM									
(GMT-08:00) Pacific Time (US & Cal									
	Automatically adjust clock for <u>d</u> aylight saving <u>Apply</u>								
🐉 🥜 Date 🞐 🎠 12:17 PM 🧏 🖷									

Figure 2.14: Date/Time properties

- 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 on either side of the month to increase or decrease the month.
- 4. To change the time, select the hour, minute, second, or AM/PM value, then select the up arrow to increase the value or select the down arrow to decrease the value, or type a new value into the field.
- 5. Select the correct time zone from the pull-down list.
- 6. To automatically adjust the clock for Daylight Saving Time, enable the checkbox at the bottom of the screen.
- 7. Select **Apply** to save your changes [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 taskbar to open a list of available programs. Or if the program has a icon on the desktop, double-tap it to open it.

There are several ways to enter data on the PDT once in an application.

- Use the keypad to enter alphanumeric characters, Refer to "Using the SC620 Keypad" on page 27.
- Use the keypad to enter alphanumeric characters, Refer to "Using the Stylus" on page 26.
- Select text in the same way you select the text on a PC. Use the stylus to highlight the desired text by dragging the stylus across the desired text; double-tapping to select one word and triple-tapping to select an entire line/paragraph. Refer to "Navigating the Display" on page 39.
- Use the soft input panel (digital keyboard) with the stylus. Refer to "The Soft Keypad" on page 41.
- Use barcode scanning to enter data. Press the trigger or "Bar Code Start" key to initiate a scan. The scanned data will enter the current application's open file. Refer to "Scanning Barcode, 1D laser version" on page 44 for more information on using a scanner.

For more information on factory installed applications, Refer to "Software Applications" on page 124.

2.5.3 The Command Bar

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

2.5.4 The Taskbar

The **Taskbar** at the bottom of the screen displays an icon for the active program, the current time, and system icons for utilities loaded in memory. The **Taskbar** includes menu names, buttons, and the keyboard icon, which opens and closes the soft input panel (SIP). The **Taskbar** allows you to select and close programs.

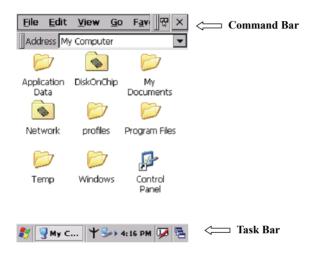


Figure 2.15: Taskbar & Command Bar

2.5.5 The Soft Keypad

In applications that accept keypad input, the soft input panel (SIP) can be used to enter data using the stylus. The SIP is a 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 a Wireless LAN

- 1) Press "Start" > "Settings" > "Control Panel" > "WLAN Manager".
- 2) Launch the WLAN Manager to Enable the WLAN device.
- 3) In the AP Browser tab, tap the Scan button to refresh the network.
- 4) Select a network, tap the Join button or double tap it for more options.
- 5) Press OK to save all your Wireless LAN settings.
- 6) Tap the "Exit" button to **Disable** the WLAN device.

WLAN Manager OK 🗙	WLAN Manager	OK ×
State Configuration AP Browser	State Configuration AP Brows	ser 💶
Current Status SSID: N/A BSSID: N/A MAC Addr: N/A Channel: N/A Tx: N/A	ESSID BSSID company 00:13:49:2F:1A:F0 company2 00:12:A9:D0:82:F2	Channe 2 7
Link Quality: N/A Signal Level: N/A Signal Level: N/A Exit	Scan Join	•
🐉 WLAN 🤣 🏌 12:01 AM 🖌 🗟	鸄 WLAN 🖻 🌾 12:03 AI	m 🖌 🕾

Figure 2.16: WLAN Manager Figure 2.17: WLAN Manager

Note:

×	The 802.11b WLAN is not connected to the network.
+	The 802.11b WLAN has no signal.
Ψ.	The 802.11b WLAN signal is low.
¥:	The 802.11b WLAN signal is OK.
¥	The 802.11b WLAN signal is good.

WLAN Manager OK 🗙	WLAN Manager OK 🗙
State Configuration AP Browser	AP Browser Link About
Current Status SSID: company	Configuration Utility
BSSID: 00:13:49:2F:1A:F0	Version: 1.11 Dec 13 2005
MAC Addr: 00:60:B3:2A:0D:73 Channel: 2 Tx: 11Mbps	Network Driver Version: 3.1.3.651 2005.11.20
Link Quality: 100%	Firmware Version: 1.8.3.0
Signal Level: 90% Exit	Domain
	Copyright (C) IEEE 802.11b
🐉 WLAN M 🗲 🔋 12:04 AM 🧏 🖶	

Figure 2.18: WLAN Manager Figure 2.19: WLAN Manager

2.5.7 Scanning Barcode, 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 laser scanner.
- 2. Select **Start > Settings > Control Panel > Barcode Setting**. Configure settings as described in "Barcode Setting" on page 53.
- 3. Start WordPad.
- 4. Aim the scanning beam at the center of bar code.
 - Position the device close to bar code when scanning
 - Position the device further away when scanning larger bar codes.
 - The scanner is disabled after you release the key or after five seconds.
- 5. Press the right/left/central scan key. The scanner scans as long as you hold the key or for five seconds.
- 6. Upon reading a bar code, the red LED indicator comes on until the trigger is release or five seconds. The green LED and the beep tone indicate a good read.



- Barcode Scanning Position This device can read from 40 to 300 mm.
 - Position the laser scanner close to the barcode when scanning small barcodes and position it further away from the barcode when scanning large barcodes.
 - The reader emits a red beam.



- 8. Bad Scanning Position
 - Make sure that the bars enter the laser beam when scanning large barcodes.
 - Scanning operations may fail if the laser beam is in the positions shown below.



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:

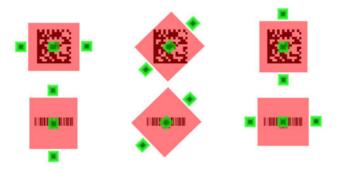
- 1. If you have not already done so, remove the protective plastic film before using devices equipped with a 2D CMOS bar code reader.
- 2. Select Start > Setting > Control Panel > 2DBarcode; complete all configurations following all description of Appendix A. 2D Barcode Setting.
- 3. Run the WordPad 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.



6. Good scanning position.

The reading range is from 45 to 260mm distance.

- Decrease the scanning distance to the bar code when scanning small barcodes.
- Increase the scanning distance from the bar code when scanning large barcodes
- The bar code should be located within the green light spots
- The scanning area is visible by a red illumination area.



- 7. Bad scanning position.
 - Make sure that the laser beam sweeps across whole barcode.
 - Scanning operations may fail if the illumination beam is positioned as below.



8. 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 Help

To tap "?" can get help information for each program.

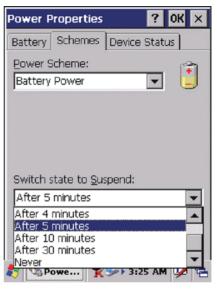
2.6 Power Management

2.6.1 Suspend Mode

The PDT will go into a suspend mode when it is idle for a period of time. The idle duration can be customized using the **Power** control panel. Suspend mode works and looks just like you have turned the unit off. Press the key to suspend the PDT, Press the key again for the PDT to resume its Previous state.

Use the **Battery power** control panel to set the duration to switch state to Suspend mode when the system is using battery power. This will save battery power when the PDT is not in use.

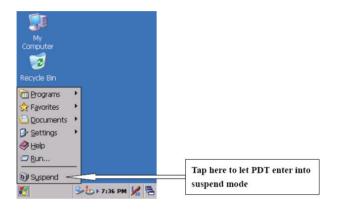
Figure 2.20: Schemes Tab



Suspending:

The following conditions will suspend:

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



2.6.2 Resuming

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

- Press the **<Power>** key to suspend or resume (wake up).
- Put the PDT into a dock.

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

2.7.1 Software (Warm) Reset

A warm reset is a transition from the on, idle, or suspend power state that closes all applications and 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.

Warm Reset Process: To execute a warm reset, press the "F1" and "F4" 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

You can use Cold Reset to a initiate device if the Win CE .NET OS locks up or the Warm Reset still doesn't work.

To perform a Cold Reset, press "**Power**", "**F1**" and "**F4**" buttons simultaneously.

Devices will initiate after Cold Reset.

CAUTION: Try warm reset before Cold Reset. All applications will be Closed and working RAM and all files will be cleared if you initiate a Cold Reset. It's better usually to back up your files to Flash ROM, Flash Card or PC.



Setting

This chapter provides basic instructions for customizing the PDT by adjusting settings.

Chapter 3 Setting

3.1 Introduction

To view the available options for the PDT's settings, tap **Start > Settings**. There are three items inside **Settings**: "**Control Panel**", "**Network and Dial-up**" and "**Taskbar and Start**".

3.2 Control Panel

To view the **Control Panel** and settings tapping **Start > Settings > Control Panel**.

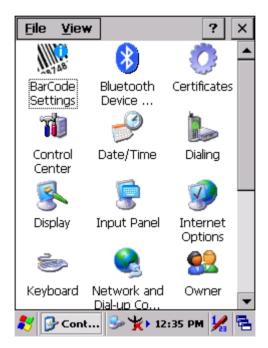


Figure 3.1: Control Panel

3.2.1 Barcode Setting

CAUTION: Please do not enter any Barcode Applications before completing barcode configuration.



There are three tabs for scanner configuration setting: "**Basic**", "**Code Configure**" and "**Code ID**". In addition, there is a "**Barcode Setup**" for the "Code Configure" tab.

3.2.1.1 "Basic" Tab

BarCode Settings	ок 🗙			
Basic Code Configure	Code ID			
Scanner Behaviors –				
Beep After Scan OK:	One Time 🔻			
Scan Timeout (sec):	5 💌			
Termaination Code:				
Continuous Scan:	Disable 💌			
Keybd Message: Copy & Paste 💌				
Prefix: Suffix:				
Default F/W Ver.				
Set All To Default				
🐉 BarCode 🎐 🏌	9:54 PM 🧏 🖶			

Figure 3.2: Basic Tab

Table 3.1: Basic Explan	ation		
Field Name	Function Explanation		
	Select the number of beep tones after a suc- cessful scan.		
Beep After Scan OK	None	After scanning the barcode, do not beep.	
	<u>One Time</u>	After scanning the barcode, beep once.	
	Two Times	After scanning the barcode, beep twice.	
Scan Timeout	onds) from this	nning timeout duration (in sec- s pull-down list. s. Default: 5 seconds	
	None	After showing barcode, do not action.	
Termination Code	CRLF	After showing the barcode, jump to the next row.	
	Space	After showing the barcode, jump one unit.	
	Tab	After showing the barcode, jump a section.	
	Disable	Disable this functionality.	
Continuous Scan	1 ~ 5 sec	The duration of a continuous scan.	
	Select a method based upon the barcode scan- ning application you will use.		
Keybd Message	Type Writing	A unit follows a unit, quickly showing the barcode number.	
	Copy & Paste	Show the barcode number once.	
Prefix	Type the desire	ed label prefix in this text box.	
Suffix	Type the desired label suffix in this text box.		
Default	Press the "Default" button to reset all settings of the "Basic" Tab to default values.		
F/W ver.	Decoder firmw	are version.	
Set All To Default	Press the "Set All To Default" button to reset all settings of the "Basic" tab, "Code Configure" tab, "Code ID" tab and all barcodes of "Barcode Setup" to default values.		

3.2.1.2 "Barcode" Tab

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

BarCode Settings	ок 🗙
Basic Code Configure Code ID	
OA.Numeric-only Barcodes	
Ø UPC-E	
UPC-A	
EAN-13 / ISBN	
🗹 EAN-8 / JAN-8	
UPC-EAN Add-ON 2/5	
🛛 Industrial 2 of 5 / IATA	
☑ Interleaved 2 of 5	
🛛 🗆 Plessey / MSI	
Code 11	
🗹 Codabar / NW 7	
Matrix 2 of 5	•
Default Setup BarCo	ode
🐉 BarCode 🎐 🏌 9:55 PM	1

Figure 3.3: Code Configure Tab

Table	Table 3.2: Code Configure Explanation		
Barco	Barcode Symbology Explanation		
Туре	Type A. Numeric-only Barcodes		
$\mathbf{\Sigma}$	UPC-E	Compressed version of UPC code for use on small products.	
$\mathbf{\Sigma}$	UPC-A	Universal product code seen on almost all retail products in the USA and Can- ada.	
	EAN-13 / ISBN	EAN-13: European Article Numbering international retail product code. ISBN: Special use of the EAN-13 symbol to used internationally to mark books.	

Barco	ode Symbology	Explanation	
	EAN-8 / JAN-8	Compressed version of EAN code for use on small products.	
	UPC-EAN Add-ON 2/5	UPC-A, UPC-E, EAN-13, and EAN-8 may all include an additional barcode to the right of the main barcode. This sec- ond barcode, which is usually not as tall as the primary barcode, is used to encode additional information for news- papers, books, and other periodicals.	
	Industrial 2 of 5 / IATA	Older code not in common use.	
	Interleaved 2 of 5	Compact numeric code, widely used in industry, air cargo and other applications.	
	Plessey / MSI	Plessey: Older code commonly used for retail shelf marking. MSI: Variation of the Plessey code commonly used in the USA.	
	Code 11	Used primarily for labeling telecommuni- cations equipment.	
	Codabar / NW 7	Older code often used in library systems, sometimes in blood banks.	
	Matrix 2 of 5	Used in miscellaneous industrial applica- tions, and mechanical numbering sys- tems.	
Туре	B. Alphanumeric Barco	des	
$\mathbf{\Sigma}$	Code 39 / Code32	General purpose code in very wide use worldwide.	
	Code 93	Compact code similar to Code 39.	
V	Code128 / UCC EAN128	Very capable code, excellent density, high reliability; in very wide use world- wide. Widely used data formatting model for Code 128	
Туре	Type C. Others Barcodes		
	China Post	Used by China Postal Service for auto- mated mail sorting.	
	Code 4		

Barco	de Symbology	Explanation
	GTIN	Global Trade Identification Number
	Korea Code 3 of 5	
	RSS	Reduced Space Symbology

3.2.1.3 "Code ID" Tab

BarCode Settings	ок >	×
Basic Code Configure	Code ID	
Enable Code ID:	~	
Barcode UPC-E UPC-A EAN-13 / ISBN EAN-8 / JAN-8 Industrial 2 of 5 / IATA Interleaved 2 of 5 Plessey / MSI Code 11 Codabar / NW 7 Matrix 2 of 5	Code ID	
Default		
🐉 BarCod 🞐 🏌 12	2:11 AM 🧏 🗟	5

Figure 3.4: Code ID Tab

<i>Table 3.3: Code ID Ex</i> The code ID is added to which kind of barcode is	o the prefix of th	e barcode to let users identify d.
Enable Code ID Enable this functionality.		
	Set 1 ~ Set 5	Select one default value: Set 1 ~ Set 5. (See the table: "Code ID Set1 ~ Set5 Table" on page 60)
	User Define	User defined value.
	Barcode List	Set 1 ~ Set 5: default settings. User Define: select barcode to define.
Default		Press the "Default" button to reset all settings of the "Code ID tab to default values.

Table 3.4: Code ID Set1	~ Set5 Ta	ble			
	Set 1	Set 2	Set 3	Set 4	Set 5
UPC-E	S	E	С	E	E
UPC-A	М	А	А	А	E
EAN-13 / ISBN	М	А	А	F	E
EAN-8 / JAN-8	Р	В	В	F	E
Industrial 2 of 5 / IATA	С	Н	Н	Н	S
Interleaved 2 of 5	D	I	Z	I	S
Plessey / MSI	V	V	D	Р	М
Code 11	J	J	J	J	J
Codabar / NW 7	F	Ν	Х	Ν	F
Matrix 2 of 5	E	G	G	G	S
Code 39 / Code 32	А	С	Y	М	А
Code 93	I	L	L	L	G
Code 128	Н	К	К	К	С
Code 4	U	U	U	U	U
Korea Code 3 of 5	R	R	R	R	R
RSS	R	R	R	R	R
UCC128 / EAN128	W	W	W	W	W

3.2.1.4 Barcode Setup

- A. First select the barcode type then select a barcode setting.
- B. Press the "**Default**" button to reset all settings of this barcode to default values.
- C. Press the "**Apply**" button to apply these changes.

Please see "Symbologies List" on page 62 for more detailed information on each barcode.

BarCode 9	Getup 🗙	
Type:	A.Numeric-only Barcodes 💌	
🔽 Enable	JPC-E	
Format:	Transmit 1st digit 📃	
🔽 Send (heck Digit	
🔲 Start /	Stop Digit	
Length Min-Max O Fixed Min/1 O Max/2 O 3 O		
	Default Apply	
🐉 BarCo	de 🞐 🏌 9:55 PM 🖌 🖷	

Figure 3.5: Barcode Setup

3.2.2 Symbologies List

A Type -- Numeric-only Barcodes

3.2.2.1 UPC-E

BarCode 9	Getup 🗙
Type:	A.Numeric-only Barcodes 💌
🔽 Enable	UPC-E
Format:	Transmit 1st digit 🛛 🗨
🔽 Send C	heck Digit
🔲 Start /	Stop Digit
Length O Min-Max O Fixed Min/1 O Max/2 O 3 O	
	Default Apply
🐉 BarCoo	de 🎐 🏌 9:55 PM 🧏 🖷

Figure 3.6: UPC-E

Table 3.5: UPC-E Explanation		
Item		Explanation
Format	Ignore 1st digit	Do not transmit 1st digit of the barcode.
i onnat	Transmit 1st digit	Transmit 1st digit of the barcode.
Send Check Digit		This controls whether or not to send the check digit of the barcode.

3.2.2.2 UPC-A

If you set UPC-A, then those settings will be automatically applied to EAN-13 too.

BarCode	Setup 🗙	
Type:	A.Numeric-only Barcodes 💌	
	JPC-A	
Format:	Transmit 1st & 2nd digits 💌	
🔽 Send (Iheck Digit	
🔲 Start /	Stop Digit	
Length Min-Max O Fixed Min/1 Amax/2 Amax/2		
	Default Apply	
🐉 🛛 BarCo	de S 🥩 🔋 8:13 AM 🧏 🔁	

Figure 3.7: UPC-A

Table 3.6: UPC-A Explanation				
Item		Explanation		
Format	Ignore 1st & 2nd digits	Do not transmit the 1st digit of the barcode.		
	Transmit 1st digit	Transmit the 1st digit of the barcode.		
	Transmit 2nd digit	Transmit the 2nd digit of the bar- code.		
	Transmit 1st & 2nd digits	Transmit the 1st and 2nd digits of the barcode.		
Send Check Digit		This controls whether or not to send the check digit of the barcode.		

3.2.2.3 EAN-13 / ISBN

BarCode Setup 🛛 🗙		
Type:	A.Numeric-only Barcodes 💌	
🔽 Enable	EAN-13 / ISBN	
Format:	Transmit 1st & 2nd digits 💌	
🔽 Send Check Digit		
Enable ISBN Code		
Length Min-Max O Fixed Min/1 Aax/2 A		
	Default Apply	
🐉 BarCoo	de S 🥩 🔋 8:13 AM 🧏 🖶	

Figure 3.8: EAN-13/ISBN

Table 3.7: EAN-13 / ISBN Explanation				
ltem		Explanation		
Format	Ignore 1st & 2nd digits	Do not transmit the 1st digit of the barcode.		
	Transmit 1st digit	Transmit the 1st digit of the bar- code.		
	Transmit 2nd digit	Transmit the 2nd digit of the bar- code.		
	Transmit 1st & 2nd digits	Transmit the 1st and 2nd digits of the barcode.		
Send Check Digit		This controls whether or not to send the check digit of the barcode.		
Enable ISBN Code		This controls whether or not to use the ISBN Code.		

3.2.2.4 EAN-8/JAN-8

BarCode Setup 🛛 🗙				
Type:	A.Numeric-only Barcodes 💌			
▼ Enable EAN-8 / JAN-8				
Format:	Format: Transmit 1st digit 💌			
🔽 Send Check Digit				
Convert to EAN-13				
Add Five 0 After 3 digits 🚽				
Length ○ Min-Max ○ Fixed Min/1 ○ ☆ Max/2 ○ ☆ 3 ○				
Default Apply				
🐉 BarCod.	🎐 🏌 12:02 AM 🧏 🖷			

Figure 3.9: EAN-8/JAN-8

Table 3.8: EAN-8/JAN-8 Explanation				
Item			Explanation	
Format	Ignore 1st digit		Do not transmit 1st digit by barcode.	
Tonnat	Transmit 1st digit		Transmit 1st digit by barcode.	
Send Check Digit		c Digit	Whether send check digit by barcode.	
Convert to EAN-13		13 🔲	When this option is selected the scanner will convert UPC-E to UPC-A by transmitting five zeroes	
Ado	Add five 0	Ahead of code	Add five zeroes at prefix of the barcode.	
		After 3 digits	Add five zeroes from 4th digits.	

3.2.2.5 UPC-EAN Add on 2/5

- UPC-E, UPC-A, EAN-13/ISBN and EAN-8/JAN-8 may all include an additional barcode to the right of the main barcode.
- This barcode will show primary and additional codes together.
- The UPC-EAN Add-ON 2/5 code cannot be used alone. It must operate with UPC-E, UPC-A, EAN-13/ISBN or EAN-8/JAN-8.

BarCode Setup X		
Type: A.Numeric-only Barcodes 💌		
Enable UPC-EAN Add-ON 2/5		
Format:		
🔲 Send Check Digit		
Only read the code with Addon 2/5		
Length Min-Max O Fixed Min/1 O AMax/2 O 3 O		
Default Apply		
🌮 BarCode S 🎐 🔋 8:15 AM 🧏 🖶		

Figure 3.10: UPC-EAN Add on 2/5

UPC-EAN Add-On 2/5 Explanation

Item	Explanation
Only read the code with Addon 2/5	Only reads the codes that have addenda.

3.2.2.6 Industrial 2 of 5 / IATA

BarCode Setup 🛛 🗙					
Type:	A.Numeric-only Barcodes 💌				
🔽 Enable	(ndustrial 2 of 5 / IATA 🛛 🔽				
Format:	V				
🔽 Send C	heck Digit				
🗌 Enable	IATA Code				
	Checksum: 🗌 Verify				
Length ● Min-Max ○ Fixed Min/1 2 → Max/2 48 → 3 ○					
Default Apply					
🐉 BarCoo	le 🦻 🏌 9:57 PM 🧏 🖷				

Figure 3.11: Industrial 2 of 5 / IATA

Table 3.9: Industrial 2 of 5 / IATA Explanation			
ltem			Explanation
Send Check Digit			This controls whether or not to send the check digits of the bar-code.
Enable IATA Code			This controls whether or not to use this IATA Code.
Checksum	Verify		This controls whether to verify the checksum of the barcode.
		Min-Max	Min Length can be from 2 to 48
Length		(Default: <u>2 / 48</u>)	Max Length can be from 2 to 48
		O Fixed	Length 1 can be from 2 to 48
			Length 2 can be from 2 to 48
			Length 3 can be from 2 to 48

3.2.2.7 Interleaved 2 of 5

BarCode Setup 🛛 🗙				
Type:	A.Numeric-only Barcodes 🔽			
🔽 Enable	Interleaved 2 of 5			
Format:	V			
🔽 Send C	heck Digit			
🔲 Start /	Stop Digit			
	Checksum: 🔲 Verify			
Length ● Min-Max ○ Fixed Min/1 4 → Max/2 48 → 3 ○				
Default Apply				
🐉 BarCod	e 🎐 🏌 9:58 PM 🧏 🖶			

Figure 3.12: Interleaved 2 of 5

Table 3.10: Interleaved 2 of 5 Explanation			
Item			Explanation
Send Check Digit			This controls whether or not to send the check digit of the bar- code.
Checksum	Verify		This controls whether or not to verify the checksum of the bar- code.
		Min / Max (Default: <u>4 / 48</u>)	Min Length can be from 4 to 48
			Max Length can be from 4 to 48
Length		O Fixed	Length 1 can be from 4 to 48
			Length 2 can be from 4 to 48
		-	Length 3 can be from 4 to 48

3.2.2.8 Plessey / MSI

BarCode Setup X					
Type:	e: A.Numeric-only Barcodes 💌				
🔽 Enable	🔽 Enable Plessey / MSI 🗨				
Format:	Mode 10 🔹				
🔽 Send C	iheck Digit 🛛 📘 🔽				
Start / Stop Digit					
Length Min-Max O Fixed Min/1 A Max/2 A 3 A					
Default Apply					
🐉 BarCoo	le 🞐 🏌 9:58 PM 🧏 🖷				

Figure 3.13: Plessey / MSI

Table 3.11: Plessey / MSI Explanation			
Item		Explanation	
	Mode 10		
Format	Mode 10-10	Checksum mode for this barcode.	
	Mode 11-10		
Send Check Digit		This controls whether or not to send the check digit of the barcode.	
	1 Digit	1 digit checksum.	
	2 Digits	2 digit checksum.	

3.2.2.9 Code 11

BarCode Setup 🛛 🗙				
Type:	A.Numeric-only Barcodes 💌			
🔽 Enable	Code 11			
Format:	V			
Send C	heck Digit 🛛 2 Digits 🛛 💌			
🔲 Start /	Stop Digit			
Length O Min-Max O Fixed Min/1 O + Max/2 O + 3 O				
Default Apply				
🐉 BarCoo	le 🞐 🏌 9:59 PM 🧏 🖷			

Figure 3.14: Code 11

Table 3.12: Code 11 Explanation		
Item		Explanation
Seno	d Check Digit	This controls whether or not to send the check digit of the barcode.
	1 Digit	1 digit checksum.
	2 Digits	2 digits checksum.

3.2.2.10 Codabar / NW7

BarCode Setup 🛛 🗙			
Type: A.Numeric-only Barcodes 💌			
🔽 Enable Codabar / NW 7			
Format:			
🔲 Send Check Digit			
Start / Stop Digit abcd			
Checksum: 🔲 Verify			
Length O Min-Max O Fixed Min/1 O A Max/2 O 3 O 4			
Default Apply			

Figure 3.15: Codabar / NW7

Table 3.13: Codabar / NW7 Explanation			
Item		Explanation	
Start / Stop Digit		This controls whether or not to send start and stop digits.	
	ABCD		
	abcd	Start / Stop transmit type	
	TN*E		
	tn*e		
Checksum	Uerify	This controls whether or not to verify the checksum of the barcode.	

3.2.2.11 Matrix 2 of 5

BarCode Setup X			
Type: A.Numeric-only Barcodes 💌			
Enable Matrix 2 of 5			
Format:			
🔽 Send Check Digit			
🔲 Start / Stop Digit			
Checksum: 🗌 Verify			
Length ● Min-Max ○ Fixed Min/1 4 → Max/2 48 → 3 □			
Default Apply			
🐉 BarCode 🎐 🏌 9:59 PM ½ 🖷			

Figure 3.16: Matrix 2 of 5

Table 3.14: Matrix 2 of 5 Explanation			
Item			Explanation
Send Check Digit			This controls whether or not to send the check digits of the barcode.
Checksum	Verify		This controls whether or not to verify the checksum of the bar- code.
Length		Min-Max (Default: <u>4 / 48</u>)	Min Length can be from 4 to 48 Max Length can be from 4 to 48
		O Fixed	Length 1 can be from 4 to 48 Length 2 can be from 4 to 48 Length 3 can be from 4 to 48

3.2.2.12 Code39 / Code32

BarCode Setup	×	
Type: B.Alphanumeric Barcodes	•	
Enable Code 39 / Code 32	•	
Format: Code39 Standard	•	
🔲 Send Check Digit		
🔄 Start / Stop Digit		
Checksum: 📃 Verify 🔽 Transmit		
Length O Min-Max O Fixed Min/1 0 + Max/2 0 + 3 0		
Default Apply		
🐉 BarCode 🎐 🏌 9:59 PM 🖌	٩.	

Figure 3.17: Code39 / Code32

Table 3.15:	Table 3.15: Code39 / Code32 Explanation	
ltem		Explanation
	Code39 Standard	Enable Code 39 Standard characters
Format	Code39 Full ASCII	Enable Code 39 Full ASCII character
Code32		Enable Code 32
Start / Stop Digit		This controls whether or not to transmit start and stop digits.
Checksum	Verify	This controls whether to verify the checksum of the barcode.
	Transmit	This controls whether or not to transmit the checksum of the barcode.

3.2.2.13 Code93

Code93 has no configuration.

BarCode 9	Setup 🗙	
Type:	B.Alphanumeric Barcodes 💌	
🔽 Enable	Code 93 🔽	
Format:	V	
🔲 Send C	heck Digit	
🔲 Start /	Stop Digit	
Length O Min-Max O Fixed Min/1 O Max/2 O 3 O		
Default Apply		
🐉 BarCod	I 🞐 🏌 10:00 PM 🖌 🖶	

Figure 3.18: Code93

3.2.2.14 Code128 / UCC EAN128

BarCode 9	Getup X
Type:	B.Alphanumeric Barcodes 💌
🔽 Enable	Code128 / UCC EAN128 🔽
Format:	V
🔲 Send C	heck Digit
🗌 Enable	UCC128/EAN128
	Min-Max O Fixed
	Default Apply
🐉 BarCoo	le S 🎐 🔋 8:28 AM 💹 🖶

Figure 3.19: Code 128 / UCC EAN128

Code128 / UCC EAN128 Explanation

Item	Explanation
Enable UCC128/EAN128	Enable UCC128/EAN128.

C Type -- Other Barcodes

3.2.2.15 China Post

BarCode Setup X		
Type: C.Other Barcodes		
🔽 Enable China Post		
Format:		
🔽 Send Check Digit		
🔲 Start / Stop Digit		
Checksum: 🔲 Verify		
Length ● Min-Max ○ Fixed Min/1 4 → Max/2 48 → 3 ○		
Default Apply		
🌮 BarCod 😏 🏌 10:00 PM 🚂 🖷		

Figure 3.20: China Post

Table 3.16: China Post Explanation		
Item		Explanation
Checksum	Verify	This controls whether or not to verify the checksum of the barcode.
Send Check Digit		This controls whether or not to send the check digit of the barcode.
Length	Min-Max	Min Length can be from 4 to 48
	Max Length can be from 4 to 48	
		Length 1 can be from 4 to 48
	O Fixed	Length 2 can be from 4 to 48
	_	Length 3 can be from 4 to 48

MARS-1030F User Manual

3.2.2.16 Code4

Code4 has no configuration.

BarCode 9	Getup 🗙	
Type:	C.Other Barcodes 🛛 💌	
🔽 Enable	Code 4	
Format:		
🔲 Send C	heck Digit	
🔲 Start /	Stop Digit	
Length Min-Max O Fixed Min/1 O Max/2 O 3 O		
	Default Apply	
🐉 BarCoo	I 🎐 🏌 10:00 PM 🧏 🖶	

Figure 3.21: Code4

3.2.2.17 GTIN

GTIN has no configuration.

BarCode Setup	<
Type: C.Other Barcodes 🖉]
🔽 Enable 🛐 🗌]
Format:	
🔲 Send Check Digit	
🔲 Start / Stop Digit	
Length ● Min-Max ● Fixed Min/1 □ ➡ Max/2 □ ➡ 3 □	1
Default Apply	
🐉 BarCod 🦻 🏌 10:00 PM ½	2

Figure 3.22: GTIN

3.2.2.18 Korea Code 3 of 5

Korea Code 3 of 5 has no configuration.

BarCode Setup	×	
Type: C.Other Barcodes	•	
Enable Korea Code 3 of 5	-	
Format:	-	
🔲 Send Check Digit		
🔲 Start / Stop Digit		
Length ● Min-Max ● Fixed Min/1 □ → Max/2 □ → 3 □		
Default App	ly	
🐉 BarCod 🎐 🏌 10:01 PM 🧏	1 🔁	

Figure 3.23: Korea Code 3 of 5

BarCode Setup	×
Type: C.Other Barcodes	•
	•
Format:	▼
🔲 Send Check Digit	
Convert to UCC128	
Checksum: 📃 Verify	
Length Min-Max O Fixed Min/1 Amax/2 A	4
Default Apply	/
🐉 BarCode S 🎐 🔋 8:30 AM 🧏	٩.

Figure 3.24: RSS

RSS Explanation

Item		Explanation
		The scanner will convert RSS to UCC128.
Checksum	Verify	This controls whether or not to verify the checksum of the barcode.

3.2.3 Bluetooth Device Properties

lcon	Item and function
	"Scan Device" Tab (See "Bluetooth Manager Windows" on page 82
*	 * Tap the Scan Device button to initiate a scan for Bluetooth hardware. The Bluetooth manager lists the Bluetooth devices that it finds, see "Bluetooth Manager Windows" on page 82. If Bluetooth hardware is not found, the <i>Bluetooth Hardware Error</i> window appears. See "Bluetooth Error Windows" on page 82. See "Bluetooth Icon" on page 84 for a description of Bluetooth icons. * Double tap the device add it to the device list. The Bluetooth Manager Authentication window appears. Tap No to connect to the device before connecting. ("Bluetooth Manager Windows" on page 82) * If the Yes was selected in the Bluetooth Manager Authenticate the device before connecting. ("Bluetooth Manager Authentication window, the enter PIN windows appears. Enter a PIN between 1 and 16 characters in the <i>Enter PIN</i>: text box, and tap OK. The mobile computer sends the PIN request to the device for bonding. See "Bluetooth Enter PIN Windows" on page 83. * 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 in the device list. See "Bluetooth Manager Windows" on page 83.

Bluetooth Manager ? OK ×	Bluetooth Manager ? OK ×
Scan Device	Scan Device
Enable Bluetooth Device	Enable Bluetooth Device
	0 %∎ (} Unnamed (000272b02aa3) ▲ 0 %∎ % Unnamed (000272b02aa3)
	OKniji
	🕅 🎒 Unnamed (000272b02aa3) —
	○ Image: White the second secon
	05 ⊕ THAU123 (UU8U3/1a2513)
Scan Device	<u>S</u> can Device

Windows

Figure 3.25: Bluetooth Manager Figure 3.26: Bluetooth Manager Windows



Figure 3.27: Bluetooth Error Windows



Figure 3.28: Bluetooth Manager Windows

Bluetooth ×	Bluetooth Manager 🛛 ? OK 🗙
Enter PIN:	Scan Device ✓ Enable Bluetooth Device ✓ Enable Bluetooth Device ✓ CTV9U (00027201645a) ↔ TRILLION (000272b02aa3) ↔ TRILLION (000272b02aa3)

Figure 3.29: Bluetooth Enter PIN Figure 3.30: Bluetooth Manager Windows Windows

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

Table 3.	18: Bluetooth Icon	
lcon		Description
?	Unknown device icon	Device is not defined
O <mark>⊁</mark> n	Locked icon	Device is locked and cannot be bonded to.
0-1	Not locked icon	Device is not locked and can be bonded to.
•	Bluetooth device icon	Bluetooth device
6	Bonded device icon	Bonded Bluetooth device
	Mobile device icon	Device is a mobile device
0	Phone icon	Device is a phone.
	Printer icon	Device is a printer
₽Ş	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 3.19: Certificates		
lcon	Item and function	
	 "Store" Tab (Figure 3-31) 	
Certificates	 * In the Stores tab, select the certificate store you wish to view or modify from the drop-down list (Figure 3-32). * The "Trusted Authorities "store lists the top-level certificates for authorities you trust. (Figure 3-33, Figure 3-34) * 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	
	 * To add a certificate or associated private key to the selected store, select "Import" (Figure 3-35). * To view more details of the selected certificate, such as the expanded name or expiration date, choose "View". * To delete the selected certificate from the store, choose 	
	"Remove".	

Certificates	? OK ×
Stores	
Trusted Authorities	
Lists the certificates trusted by you	
Class 2 Public Prim	Import
Class 3 Public Prim Entrust.net Certifi Entrust.net Secur Equifax Secure Ce	⊻iew
GlobalSign Root C ▼	<u>R</u> emove
🐉 🔅 Certi 🕹 🅪 1	2:07 PM 🐓 🔁

Figure 3.31: Certificates

Certificates	? OK ×
Stores	
Trusted Authorities Lists the certificates trusted by you	•
GlobalSign Root C	Import View
Secure Server Cer Thawte Premium Thawte Server CA	<u>R</u> emove
💦 🙆 Certi 🕹 🍛	12:09 PM 🚺 🚍

Figure 3.33: Certificates

Certificates		? 0K ×
Certificate Det	ails	ок 🗙
Friendly <u>N</u> ame		
Field	Subject	-
OU=Class 2 Pul O="VeriSign, Ir C=US		Certil
		7
N		
🐉 🚫 Certi 🕹	L S>> 12:0	9 PM 💯 🔁

Figure 3.35: Certificates

Certificates	? OK >
Stores	
Trusted Authorities	-
Trusted Authorities	
My Certificates	
Other Authorities	
Class 2 Public Prim	Import
Class 3 Public Prim	
	<u>V</u> iew
GlobalSign Root C/ 🔻	<u>R</u> emove
,	
👷 🙈 Carti 🗐 🔍 😪 b	12.00 04 14
Entrust.net Certifi Entrust.net Secur Equifax Secure Ce GlobalSign Root C	

Figure 3.32: Certificates



Figure 3.34: Certificates

3.2.5 Control Center

The Control Center includes four applications, described below.



Figure 3.36: Control Center

3.2.5.1 Information

Table 3.20: Information		
lcon	Item and function	
1	"Information" Tab: Provide Software version, MAC address, Bluetooth ID, Serial No. and Configuration No.	

3.2.5.2 Brightness

Table 3.21: B	rightness		
lcon	Item and function		
Q.	arrow. You can also on the right-direction ke	change the LO y or left-direct	oping right-arrow or left- CD brightness by pressing ion key on the keypad.
	The brightness settin responding icon.	ig has seven s	steps: Every step has a cor-
	1. 💡 2. 🤤	⟩ Ç	4. 0 5. 0
6			
	Enable Keypad Brightness Open keypad brightn		
	Backlight Timeout Save battery life by a when not used.	automatically t	urning off the backlight
	Battery Power, The table must be disable item is not marked.		
	turn off backlight after	The table has 15 seconds, 30 seconds, 1 minute, <u>2 minutes</u> and 5 minutes.	
	AC Power, turn off	The table must be disabled when its item is not marked.	
	backlight after 📘	The table has 15 seconds, 30 seconds, 1 minute, <u>2 minutes</u> and 5 minutes.	
	Dim backlight	Save battery	life functionally of idleness.
	after 20 seconds of idleness.		



Figure 3.37: Brightness

3.2.5.3 Backup Restore

Table 3.22: Backup Restore		
lcon	Item and function	
	 You can backup/restore the system to/from a flash disk or inserted memory card. (A. Disk on Chip, B. CF Card, C. SD Card) (Figure 3-38) This application must check the backup file on the DOC first. If you select other storage, this item will be checked again. If the file exists, the date appears next to "Last backup date:". If the file doesn't exist, the "Restore Now" but- ton is disabled. When you press the Backup/Restore button, a warning dialog box will appear. (Figure 3-39) When the system backup/restore is finished, a mes- sage dialog will appear. (A. Backup: Figure 3-40, B. Restore: Figure 3-41) 	

Backup / Restore 🛛 🗙	Warning X
You can backup/restore the system data to/from flash disk or inserted memory card. Storage by: Disk on Chip 💌	Close other applications before starting this action. This will take a while,do you want to proceed?
Last backup date: No file Disk available space: 20041 KB	Yes No
Disk avaliable space, 20041 KB	
Needland and an and a CARLYR	
Need backup space: 642 KB	Warning 🛛 🗙
Need backup space: 642 KB Backup Now Restore Now	Warning × Close all applications before restoring files, this will take a while,do you want to proceed?

Figure 3.38: Backup Restore

Figure 3.39: Backup & Restore Start

Message	ок ×
Backup sys	tem OK!

Figure 3.40: Backup OK



Figure 3.41: Restore OK

3.2.5.4 Fn-key Settings

Table 3.23: Fn-Key			
lcon	Item an	Item and function	
	Fn-Key S	Fn-Key Setting (Figure 3-42)	
	Fn Key	The application program default settings	
F PA	F1	Internet Explorer	
	F2	Microsoft WordPad	
	F3	Inbox	
	F4	My Computer	
	•	To assign your favorite application program to F1, F2, F3 and F4 hot keys:	
		* Choose F1, F2, F3 or F4 from the pull-down list. (Figure 3-43)	
	* Tap "B	* Tap "Browse" inside the "Assign program" applet.	
		 * Select one application program you want from the program list, then choose "OK". (Figure 3-43) * Tap "Default" to return to the default settings. (Figure 3-42) 	

Fn-Key Settings X	
F1: \windows\iesample.exe F2: \windows\pword.exe F3: \windows\pmail.exe F4: \windows\explorer.exe	
Enable Function Key Assign program	
Default Browse Apply	
Explanation Seletc a function key, and set the application.	
🐉 Fn-Key S ⊁ 🔋 12:01 AM 😾 🗮	

Open 🕋 💣 🔛	? 0K ×
۹ ۱	
Application Data Application Data DiskOnChip My Documents Network 	C profiles Program File: Temp Windows
Name:	
Input Panel	
Esc 1 2 3 4 5 6 7 Tab q w e r t y CAP a s d f g h Shift z x c v b r Ctláů ` \	890-= u i o p [] j k l ; ' m , . / ←→
🐉 Fn-Key S 🤸 🔋	12:16 PM 🚔 🔁

Figure 3.42: Fn-Key Settings Figure 3.43: Fn-Key Settings

3.2.6 Date/Time

Table 3.24: Date/Time		
lcon	Item and function	
Date/Time	"Date/Time" Tab: (Figure 2-14) * See "Setting Time and Date" on page 39	

3.2.7 Dialing Properties

Table 3.25: Dialing properties	
lcon	Icon and function
<u>h</u>	"Dialing Properties" Tab (Figure 3-44)
II	* In the When dialing from list, select the "Location" for which you want to change settings. (Figure 3-45)
Dialing	* To create a new location, select "New". Enter the name of the location, and then select "OK". (Figure 3-46)
	* Enter or edit the area code and local country code as needed.
	* In Dial using, select "Tone dialing" or "Pulse dialing". Most phones use tone dialing.
	* 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 3-47)
	 * Using the codes listed, edit the dialing patterns as needed.
	Notes:
	 If you need to use characters 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.

Dialing Properties ? OK ×	Dialing Properties ? OK ×
Location: Home	Location: Home
Home Work	New Remove
Local settings are:	Local settings are:
Area code: 425 🔘 Tone dialing	Area code: 425 💿 Tone dialing
Country/Region: 1 OPulse dialing	Country/Region: 1 O Pulse dialing
🗌 Disable call waiting; dial: 📃 🚽	Disable call waiting; dial:
Dialing patterns are: Local / Long Distance / International: G 1FG 011,EFG	Dialing patterns are: Local / Long Distance / International: G 1FG 011,EFG
Edit	Edit
🐉 🧶 Dialin 🕹 🌫 5:14 PM 💯 🖷	🐉 🎯 Dialin 🕹 🎐 5:13 PM 😺 🖷

D

C I

Figure 3.44: Dialing Properties Figure 3.45: Dialing Properties

ialing Properties ? OK ×	Dialing Properties ? OK ×
Location: Home	Location: Home
New Remove	Edit Dialing Patterns 🛛 ? OK 🗙
.ocal settings are:	For Local calls, dial:
reate New Location OK 🗙	S
ocation name:	For Long Distance calls, dial: 1FG
	For International calls, dial:
cocar, conquestance, international.	011,EFG
G ' ' ' ' ' 1FG D11,EFG	(E,e = country/region code; F,f = area code; G,g = number)
Edit	Edit
🎸 🎯 Dialin 🕹 🥪 5:14 PM 😼 🗟	🦹 🏈 Dialin 🕹 🅪 5:15 PM 🐓 🔁

Figure 3.46: Dialing Properties Figure 3.47: Dialing Properties

3.2.8 Display Properties

Table 3.26: Display properties		
lcon	Icon and function	
	 "Background" Tab: (Figure 3-48) 	
<u>*</u>	* From the "Image" list, select an image you want as the background of the desktop. (Figure 3-49)	
Display	 * To locate an image in another folder, select "Browse". (Figure 3-50) 	
	* To have the image cover the entire background, select "Tile image on background"	
	"Appearance" Tab (Figure 3-51)	
	* Change the color scheme: (Figure 3-52)	
	- 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 3.48: Display properties

Display Properties	? 0K ×
Background Appearance	
Image: Windowsce 💌	Browse
(None) Windowsce	ickground
At Windows CE .ne=	
🀉 🌭 Displa 🕹 🌫 5:1	6 PM 👽 🖶

Figure 3.49: Display properties

Browse 🔁 📸 🏢 ? OK 🗙		
Q \Windows\		
Desktop	C Programs	
Favorites	Recent	
C Fonts	C StartUp	
i 🗁 Help	i www	
	►	
Name:		
Input Panel		
Esc 1 2 3 4 5 6	7890-=+	
Tab[q]w]e]r[t]	y[u]i[o]p[[]]	
CAP[a]s]d]f]g	[h]j[k]l];[']	
Shift] z [x] c] v] b	<u> n m , , / +</u>	
Ctl[áü] ` [\ [[↓]↑[←]→]	
🛃 🌭 Displa 🕹	🅪 5:16 PM 🎰 🔁	

Display Prop	perties	?	OK	×
Background	Appearance			
<u>S</u> cheme:	Vindows Stand	lard	-	·
Sa <u>v</u> e	<u>D</u> elete	Ar	ply	
Inactiv Windo	Disabled Se e Wind ? (w Text e Win ? \OK	ж >		×
Dialog	Box Text Button			•
Item: Desk	top			
🐉 🥵 Displa	🕹 🎭 5:	16 PM	• 🗭	-

Figure 3.50: Display properties Figure 3.51: Display properties

Display Properties ? OK ×
Background Appearance
Scheme: Windows Standard 🗨
SayeBrick Desert Eggplant
High Contrast Black
Inactive Wind ? OK × 🔺
Window Text
Active Win ? VOK ×
Dialog Box Text Button
Item: Desktop
🐉 🌭 Displa 🕹 🅪 5: 17 PM 💯 🖷

Figure 3.52: Display properties

3.2.9 Input Panel

Table 3.27: Dis	splay properties
lcon	Icon and function
	 "Input panel" Tab: (Figure 3-53)
	* Select the input method you want to change.
Input Panel	 * To change the Soft Keyboard Options, tap "Option" (Figure 3-54).
	"Options" Tab:
	* 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></enter> key on the keypad.
	* To exit the Input Panel , press "OK" on the control bar, or press the <enter></enter> key on the keypad.

Input Panel Properties 🛛 ? OK 🗙
Input Panel
Current input <u>m</u> ethod:
Keyboard
Options
Allow applications to change the input panel state
To quickly switch input methods, tap the Input Panel arrow and then tap the desired method from the menu that appears.
🐉 🖃 Input 🦹 🏷 3:15 AM 😼 🖷

Figure 3.53: Input Panel Properties

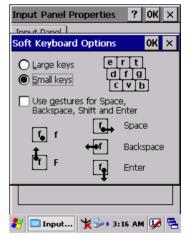


Figure 3.54: Input Panel Properties

3.2.10 Internet Options

Table 3.28: Int	ternet Options
lcon	Icon and function
	"General" Tab: (Figure 3-55)
	* Type in the URL of desired start page and the desired
Testament	search engine. You can also change the Cache Size,
Internet Options	clear the Cache and clear the History .
Options	 "Connection" Tab: (Figure 3-56)
	* Modify the network access settings as desired.
	 "Security" Tab (Figure 3-57)
	* Modify the security settings as desired. You can enable
	any of the following by tapping the checkbox:
	- Allow cookies
	- Allow TLS 1.0 security
	- Allow SSL 2.0 security
	- Allow SSL 3.0 security
	- Warm when switching between secure and insecure
	areas.
	"Advanced" Tab (Figure 3-58)
	* 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-
	 Orderinge miks- > Never
	> Always
	> Hover

Internet	Settings		ж×
General	Connection	Security 4	Ac 🔺 🕨
<u>S</u> tart Pa	ige: wap.oa.yaho	o.com/	-
Sea <u>r</u> ch I	Page: www.google	.com/palm	_
	ize (in KB):	512	
Clea	ar C <u>a</u> che	Clear His	tory
🐉 🎯 Int	er 🏌 🞐	3:16 AM	7

Figure 3.55: Internet Settings

Internet Settings OI	< ×
General Connection Security Ac	•
Allow cookies	
Allow <u>T</u> LS 1.0 security	
Allow SSL 2.0 security	
Allow SSL <u>3</u> .0 security	
☑ <u>W</u> arn when switching across secure and insecure areas	
N Dister Y Set 3:17 AM 1	4

Figure 3.57: Internet Settings

Internet Settings OK 🗙
General Connection Security Ad
Us <u>e</u> LAN (no autodial)
Autodial name: ŠUSB
Network Access the Internet using a proxy server
Address:
Port: 80
Bypass proxy server for local addresses
🐉 🎯 Inter 🦞 🎭 3:17 AM 💯 🖷

Figure 3.56: Internet Settings

Internet Settings OK	×
Connection Security Advanced	4 ▶
Display images in pages	
Play sounds in pages	
Enable scripting	
Display a notification about every script error	
_[Underline links	
Never	
O Always	
O Hover	
🐉 🎯 Inter 🦌 🍉 3:17 AM 🖵	

Figure 3.58: Internet Settings

3.2.11 Keyboard

lcon	Icon and function
	 "Repeat" Tab: (Figure 3-59)
1	* To change the amount of time between depressions before repetition starts, adjust the Repeat delay slider
Keyboard	* To change the repeat rate, adjust the Repeat rate slider.
	* Test your new setting.
	* Tap "OK" to exit the "Keyboard" tab.

Keyboard Properties ? OK	×
Repeat	
Enable character repeat	
Repeat delay: Long Si	h <u>o</u> rt
Repeat rate:	ast
<u>T</u> ap here and hold down a key to te	est:
🌮 🍉Keyb 🎽 🏷 3:18 AM 📮	8 🔁

Figure 3.59: Keyboard Properties

3.2.12 Network and Dial-up Connections

Table 3.30: Ne	twork and Dial-up Connections
lcon	Icon and function
	"Connection" Tab:
	* To create a "Dial-up Connection":
Network and	 Double-tap "Make New connection".
Dial-up Co	- In the "Make New Connection" dialog box, enter a
	name for the connection.
	- Select "Dial-Up Connection".
	- Select the " Next " button.
	- Select the modem you want use.
	- Select "Configure"
	 Under "Connection Reference", use the default set- tings provided. If you can't connect using these set-
	tings, 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". 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 num-
	ber.
	- Select the "Finish" button.
	The connection you just created appears as an icon in the
	"Network and Dial-up Connections" folder.
	Set up a Deint te Deint Drotagel (DDD) assount
	 Set up a Point-to-Point Protocol (PPP) account with an ISP and obtain the following information:
	 Access telephone number
	> User name
	> Password