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# **PA960 Operation Manual**



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# **Chapter 1 Introduction**

This operation manual aims at instructions of using Unitech's applications, some useful application programs under "Windows" folder, setting application under "Control Panels" and available function keys in WinCE 3.0 OS.

\* Based on Firmware Version: V2.01.08

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## Chapter 2 Unitech's Application

This chapter introduces some Unitech's made applications which are embedded in the firmware. These applications offer additional facilities and usage to the user besides standard WinCE applications.

#### **Unitech's Made Applications**

- 1. Bootmode
- 2. Chatter
- 3. DeviceInfo
- 4. Flash Manager
- 5. GetVK
- 6. I/O Card Control
- 7. KeyTracARM
- 8. Scan2Key
- 9. UniPing
- **10. Scanner Setting**
- **11. Virtual Keys**
- 12. RegFuncKey

#### 2.1 Bootmode

Path: My computer/Windows/Bootmode.exe

This tool allows you to perform warm boot or update OS when it is necessary.

#### Warm Boot

1. Double tap "Bootmode".

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<u>File Edit View Go</u>	🖓 ? 🗙			
Address \Windows				
StartUp www Ac	tiveNet			
ACU Reg View				
Aironet ArmRegView a Client Utility	sterisk			
🧭 🍡 🛛	•••			
AuthType BootMode Cal	ibration			

2. Tap "Warm Boot". The system will be restart.



Note: If you press and hold "←" key then tap "Warm Boot", the terminal will be cold started. (Caution: Please backup any important data before you perform cold start)

#### Update OS

1. Double tap "Bootmode". Tap "Update OS".

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2. Update OS window pops up. The registry will be restored to default. Proceed anyway? Tap "Yes".



3. System will be restarted and enter bootloader screen. Insert your CF card with OS image file. Select "2" to update OS.

#### 2.2 Chatter

Path: My computer/Windows/Chatter.exe

This tool allows you to capture and scan barcode automatically in a time interval and at the same time, send the scanned data to your host by wireless network connection.

1. Insert the wireless network card into your terminal and make the setting.

2. Install Chat Server program in your PC/notebook. (You can get this program from Unitech)

3. After install, double click the chat server in your PC/notebook. Set the channel. (Default is 0), click "OK".

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4. Double tap "Chatter" on your terminal.



5. In Chatter Setup, under "Handle", enter a name.

6. Under "Server", enter the IP address of your host.

7. Under "Channel", enter the channel (This channel must be the same as the chat server's channel)

8. Tap "OK".

Chatter	Setup	×
Handle	abc	ОК
Server	192.168.110.63	Cancel
Channel	0	

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9. Scanner Enabled.

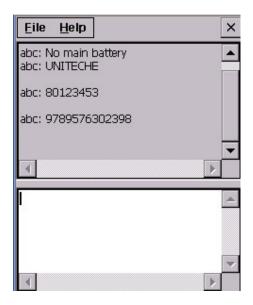
10. From "File" menu, select "AutoScan".

11. Specify the time interval.

Auto Scan		×
Every	- ecs	ОК
	Jecs	Cancel

12. Laser window will emit laser in every time interval (Example: 3 seconds). Place the laser window towards the barcodes and let the terminal scan the barcode automatically.

13. The barcode will be read and displayed in chatter's screen.



14. At the same time, these barcode will be displayed in the screen of the chat server on your host.

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A 未命名標题 - chatsryr				
<u>File Edit View H</u> elp				
abc: Windows CE makes life product abc: Class Wizard makes programm				
abc: hello - 10:55	ing ian = 10.55			
abc: MFC makes your job intelligent				
abc: MFC makes your job fun - 10:5 abc: MFC makes you productive - 1				
abc: PT930 is cool - 10:55	0.00			
abc: has just left the discussion - 1	):56			
abc: has just joined the discussion -	11:0			
abc: No main battery - 11:0				
abc: UNITECHE				

15. On "File" menu, select "Exit".

#### 2.3 DeviceInfo

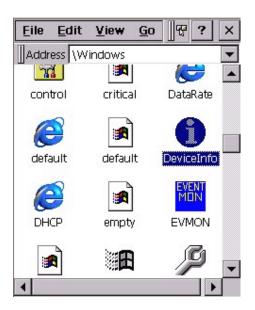
- 11:0 abc: 80123453 - 11:0

abc: 9789576302398 - 11:0

Path: My computer/Windows/DeviceInfo.exe

This tool displays the general information of the terminal such as platform, firmware version, PCMCIA slot and compact slot.

1. Double tap "DeviceInfo".



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2. Device information is shown as below:



3. Tap "X" to exit.

#### 2.4 Flash Manager

Path: My computer/Windows/FlashMan.exe

This tool is based on Intell Persistant Store Manager (IPSM) and it is used to clean the data in flash storage folder, save current registry and erase previous saved registry.

1. Double tap "FlashMan".

Eile Edit View Go     Address Windows     Address     Windows     Image: Clam     Image: Clam </th <th>Unitech Electro</th> <th>onics Co., Ltd</th> <th>Created by Yukiko</th> <th>PA960 Operation Manual</th> <th>V2.3</th> <th>Page 13 of 144</th>	Unitech Electro	onics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 13 of 144
Address Windows Address Windows DHCP P P P P P P P P P P P P P P P P P P	<u>Eile E</u> dit	<u>V</u> iew <u>G</u> o	₩ ? ×			
DHCP empty EVMON exclam explorer FlashMan 2 <sup>w</sup>	Address \\W	'indows				
exclam explorer CashMan	Ø					
exclam explorer FlashMan	DHCP	empty	EVMON			
2ºbr 🖉 🧭			<b>p</b>			
	exclam	explorer	FlashMan			
GetVK iesample iexplore	2 <sup>obc</sup>	Ø	e			
	GetVK	iesample	iexplore			

2. Flash manager shows current registry. Tap "Save" if you want to save this registry. Every time warm start and even cold start., (Not on Power Off/On) the registry will be restored to the last time it was saved.

This function helps to keep system information, even at cold start situation. Like IP address and so on.

Flash Manager	ОК	×
Registry Storage		
First Copy: Erased. Second Copy: Erased. Area Information:		
Start Offset = 0x01600000 Registry Size (2 copies): 1024 KB 4 blocks	•	
Save Erase		

3. Tap "Erase" button to clean a previous saved Registry duplicate. (Be careful)

4. Tap "Storage" tab and tap "Format". The Flash Manager will enable to format the Flash Storage folder in order to clean it.

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	109	1		
Flash Manager	ок ×			
Registry Storage				
Storage Name: "Flash Storage Storage Size: Total Space = 8750 KB Free Space = 8750 KB				
Storage Info: Start Offset = 0x01700000 Size = 9216 KB 36 blocks				
Flash information:	<b>T</b>			
<u> </u>				

5. Tap "OK" to exit.

#### 2.5 GetVK

Path: My computer/Windows/GetVK.exe

This tool is a keyboard driver that generate standard keyboard event. It is automatically executed every time the terminal is power on. You may see the log of the keyboard event in KeyTracARM. However, if you disable GetVK in Task Manager, you will not see any effect in KeyTracArm. For more details about KeyTracARM, please refer to Chapter 2.7

#### 2.6 I/O Card Control

Path: My computer/Windows/IOCard.exe

This tool allows you enable or disable PCMCIA slot and compact slot whenever it is necessary. Once you disable the slot, the card in that slot will not work until you enable the slot again.

1. Double tap "IOCard".

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<u>File Edit View Go</u>	₽? X			
GetVK iesample	iexplore			
infbeg infend	infintr			
A am				
InfrStru IOCard Ke	eyTracARM			
	CEISCHO			
	LNF			
LEAP LeapLogin L	oad New			
	Eirmware			

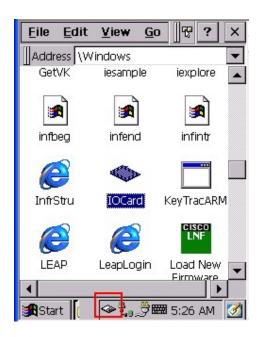
2. Tap "Disable" under PCMCIA slot. The PCMCIA interface will not work.

I/O Card Control	×
Card in Slot: Empty.	
🔿 Enable	Disable
Compact Slot – Card in Slot: Empty.	
Enable	O Disable
Hide	Exit
•	

3. Tap "Disable" under compact slot. The compact interface will not work.

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I/O Card Control	×			
PCMCIA Slot				
Card in Slot: Cisco_Systems-340_Series_V	Virele:			
Enable     Disable				
Compact Slot				
Card in Slot: Empty.				
O Enable O Disable				
	8			
Hide Exit				

4. Tap "Hide" to hide I/O Card Control window.



5. Tap "Exit" to exit I/O card control.

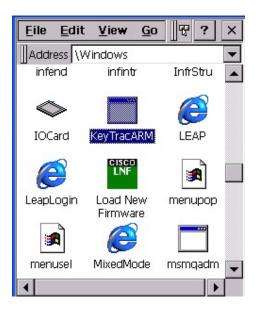
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#### 2.7 KeyTracARM

Path: My computer/Windows/KeyTracARM.exe

This tool shows the standard keyboard events in Log format when you press the keys on your terminal. (GetVK must be executed first).

1. Double tap "KeyTracARM".



2. Press any key on the terminal's keyboard. You will see the event log.

	×
WM KEYUP	wP:32 IP:c0000001 s:
WM KEYDOWN	wP:35 IP:1 s:
WM CHAR	wP:35 IP:1 s:
WM KEYUP	wP:35 IP:c0000001 s:
WM KEYDOWN	wP:38 IP:1 s:
WM CHAR	wP:38 IP:1 s:
WM KEYUP	wP:38 IP:c0000001 s:
WM KEYDOWN	wP:34 IP:1 s:
WM CHAR	wP:34 IP:1 s:
WM KEYUP	wP:34 IP:c0000001 s:
WM KEYDOWN	wP:39 IP:1 s:
WM CHAR	wP:39 IP:1 s:
WM_KEYUP	wP:39 IP:c0000001 s:
WM_KEYDOWN	wP:35 IP:1 s:
WM_CHAR	wP:35 IP:1 s:
WM_KEYUP	wP:35 IP:c0000001 s:
WM_KEYDOWN	wP:38 IP:1 s:
WM_CHAR	wP:38 IP:1 s:
WM_KEYUP	wP:38 IP:c0000001 s:

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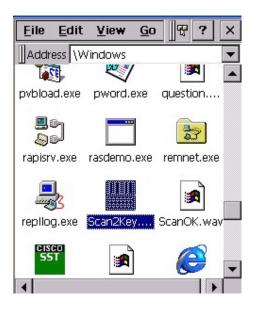
3. Tap "X" to exit.

#### 2.8 Scan2Key

Path: My computer/Windows/Scan2Key.exe

Scan2Key application can route input from scanner port to keypad buffer, so that all input from scanner or magnetic reader will be treated as they are just input from keypad. With this router, scan data can be directly input into non- scanner port aware application, like MS Pocket Word.

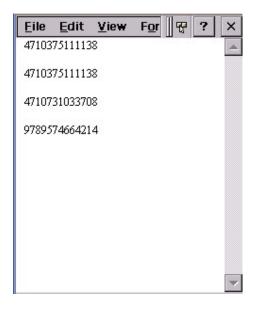
1. Double tap "Scan2Key".



2. You will see Scan2Key icon on the task bar. Scan2Key is enabled.

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	by fukiko	Ivialiual		
Eile Edit <u>V</u> iew <u>G</u> o	? ×			
Address Windows	-			
	<b>1</b>			
pvbload.exe pword.exe que:	stion			
	, cion in in			
90,	-			
	<b>1</b>			
rapisrv.exe rasdemo.exe rem	net.exe			
() (Construction	_			
	🛋 🔜			
repllog.exe Scan2Key Scan	UK.wav			
SST 🛃				
∰Start [ 🛄 🗞 党 📟 9:5				

- 3. Under "Start" > "Program", select Microsoft Pocket Word.
- 4. Scan some barcodes. The barcode data will be displayed on MS Pocket Word.



5. To disable the Scan2Key, place the stylus on the Scan2Key icon on task bar, a selection menu will pop up. Select "Disable".

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1				
	an2Key able			

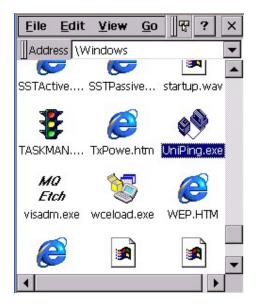
6. To close Scan2Key, select "Exit" on the pop menu.

#### 2.9 UniPing

Path: My computer/Windows/UniPing.exe

This tool allows you to ping to any host or any computer in the network, it can show its own IP too. (For network connection, use wireless card or Ethernet card)

1. Double tap "UniPing".



2. Under "Tools" menu, select "Ping".

3. In "Host" field, key in the IP address of the host that you want the terminal to ping.

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(Example: Ping to my comp	outer)			
4. Specify the timeout time.				
5. Tick "Constant Ping".				
	1 1			
5. Select interval time. (Exa	mple: 1 secor	nds). Tap OK.		
	-	nds). Tap OK.		
6. Select interval time. (Exa <mark>Ping</mark>	mple: 1 secor	nds). Tap OK.		
Ping	-	nds). Tap OK.		
Host: 192.168.110.63	-	nds). Tap OK.		
Ping	-	nds). Tap OK.		
Ping Host: 192.168.110.63 Timeout 2000	-	nds). Tap OK.		

7. Terminal start to ping (to my computer) in every second.

Cancel

OK

UniPing	
Tools Help	×
Ping to 192.168	.110.63
Host responding.	. Bytes=32, RTT=83(ms).
Host responding.	. Bytes=32, RTT=105(ms).
Host responding.	. Bytes=32, RTT=123(ms).
Host responding.	. Bytes=32, RTT=141(ms).

8. Under "Tools" menu, select "Local IP".

9. Local IP window pops up and shows the IP address of this terminal.

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Local IP OK	4			
	~			
Device name: WinCE-2				
IP address(1):				
IP address(1): 192.168.55.101				
IP address(1):				

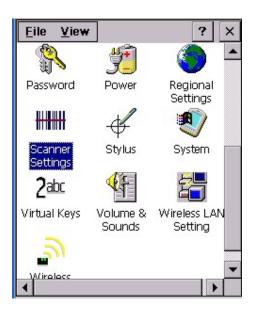
10. Select "Exit" under "Tools" menu to close Uniping.

#### 2.10 Scanner Settings

Path: Control Panel/Scanner Settings.exe

This tool allows you to make some settings on scanner such as barcode symbologies, barcode IDs, data options, data editing, scanning options in order to change the scanner behaviour. Besides, it allows a scanning test. Every time change the setting, must click "Apply" button to get the effect.

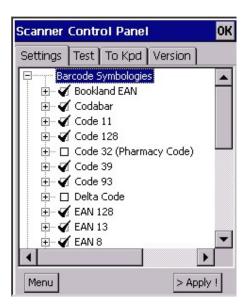
1. Double tap "Scanner Settings".



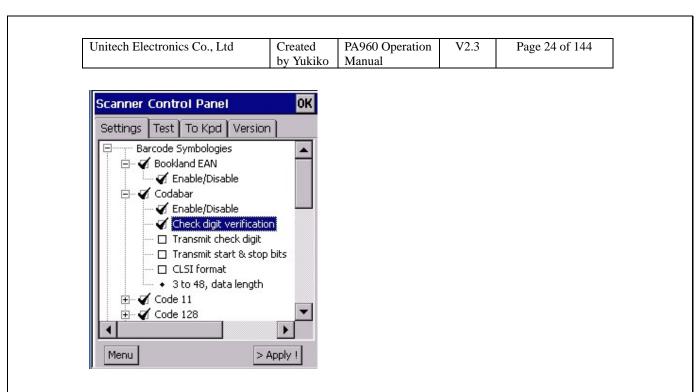
2. Under "Setting" tab, tap "Barcode Symbologies".

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	-		
Scanner Control Panel	ок		
Settings Test To Kpd Version			
Barcode Symbologies			
⊕ Barcode IDs ⊕ Data Options			
Data Editing			
Magnetic Reading Options			

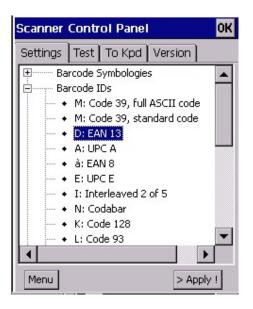
3. Tap "+" in front of "Barcode Symbologies". You will see a list of available barcode type.



4. Tap "+" to expand the tree. Under each barcode type, there are more options such as enable/disable, check digit verification, transmit check digit etc. Tick the options that you want to apply on that barcode. Then, tap "Apply" button.

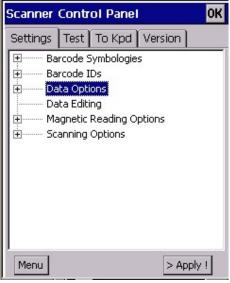


- 5. The scanner decoder will work as what you have specified.
- 6. Tap "Barcode IDs". A list of barcode type is shown with their IDs in front.



7. Double tap the barcode type which you want to change ID. (Example: D: EAN13). Change to other ID by scrolling the button.

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	UY TUKIKU	Ivianuai		
	aul			
Scanner Control Panel	ок			
Settings Test To Kpd Versio	n			
Barcode Symbologies				
Barcode IDs				
M: Code 39, full ASCII o				
Set Value	ж×			
EAN 13, code ID	H			
Char: Y (89)	]			
• N: Codabar				
+ K: Code 128				
+ L: Code 93				
Menu >	Apply !			
8. Tap "Data Options".				

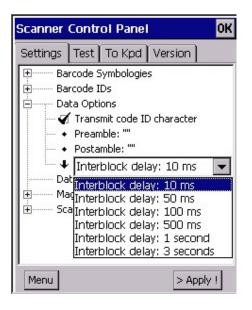


9. Tap "Transmit code ID character" if you want to transmit code ID.

10.Double tap "Preamble" or "Postamble" if you want to add them to the barcode. Key in the special character stated in the Set Data window. Tap "OK".

nitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 26 of 144
Settings       Test       To Kpd       Version		Sc Set Data Se Preamble: Special charace <pre></pre>	d return a <del>oing Opcions</del>	

11. Double tap "Interblock delay". Select the delay time from the drop down list.



12. Tap "Data Editing". Tap "Add" at the bottom. A menu will pop up.

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Scanner Control Panel OK	Scanner Control Panel OK
Settings       Test       To Kpd       Version         Image: Barcode Symbologies       Image: Barcode IDs       Image: Barcode IDs         Image: Data Options       Image: Transmit code ID character       Image: Preamble: ""         Image: Preamble: ""       Image: Preamble: ""         Image: Preamble: ""       Image: Preamble: ""         Image: Data Editing       Image: Preamble: Preamble: Preamble: ""         Image: Data Editing       Image: Preamble: P	Settings       Test       To Kpd       Version         Image: Settings       Test       To Kpd       Version         Image: Settings       Barcode Symbologies       Image: Settings       Image: Settings         Image: Settings       Data Options       Image: Settings       Image: Settings         Image: Data Options       Image: Transmit code ID character       Image: Add Formula         Image: Add Formula       Add Formula: Output All Data         Image: Add Qualifier: Input ID       Add Qualifier: Length         Image: Add Qualifier: Match       Add Qualifier: Match
Menu Add Del Up Dn > Apply !	Add Modifier: Add-String       Add Modifier: Output-String       Menu     Add Del Up Dn

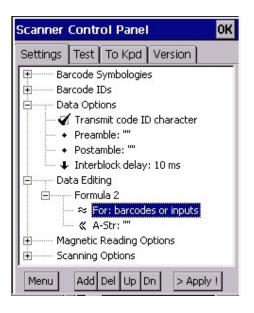
13. Select "Add Formula" or "Add Formula: Output All Data". A formula will be added under "Data editing".

Scanner	Control Panel	OK
Settings	Test To Kpd Version	າ]
Ва	rcode Symbologies	
	rcode IDs	
	ita Options	
-7	Transmit code ID charact	er
•	Preamble: ""	
•	Postamble: ""	
↓+	Interblock delay: 10 ms	
Da	ita Editing	
	Formula 2	
	agnetic Reading Options	
	anning Options	
Menu	Add Del Up Dn >	Apply !

14. Tap "Formula 2". Tap "Add" button. Select "Add Qualifier".

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Scanner Control Panel	ок			
Settings Test To Kpd Versio	in			
E Barcode Symbologies				
🗄 🖽 Barcode IDs				
Data Options				
🗌 🗹 Transmit code ID charac	ter			
Preamble: ""				
Postamble: ""     Tatashladi dalam 10 ma				
Interblock delay: 10 ms □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □				
Formula 2				
← ≈ For: barcodes or inp	uts			
Hagnetic Reading Options				
± Scanning Options				
	100			

15. Tap the qualifier you just added. Tap "Add" button. Select "Add modifier".

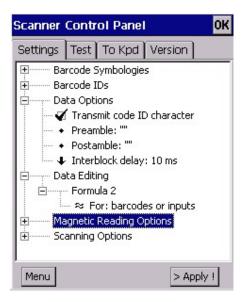


16. To delete a formula or qualifier or modifier, just tap it and tap "Del" button.

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Scanner Control Panel	ОК			
Settings Test To Kpd Version	ı]			
Barcode Symbologies     Barcode IDs				
Data Editing Delete formula (item A-Str: ""	):			
Yes No     No     A-Str: ""				
Magnetic Reading Options     Scanning Options				
	Apply !			

17. To add additional formula , just tap "Data Editing", tap "Add" and select "Add Formula".

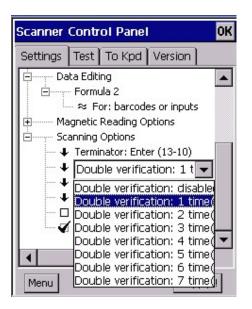
18. Double tap "Magnetic Reading Options". (The effect will only work for PA960-MSR model).



19. Double tap the options below "Magnetic Reading Options" to make settings.

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Scanner Control Panel	ОК			
Settings Test To Kpd Version				
For: barcodes or inputer Reading Options ■	_			
Terminator: Enter (13) Terminator: Return (13) Terminator: Line-Feed Terminator: Line-Feed Terminator: None	3)			
Data separator: (0)     Track I output sequence     Track II output sequence     Scanning Options				

20. Tap "Scanning Options". Double tap options below to make setting.



21. Under "Test" tab, tap "A-Scan" button at the bottom.

OV		
OIZ		
OK		
1		
<b></b>		
~		

22. Set the interval time you want the laser to emit. (Ex: 3 seconds). Tap "Start".

Sc	anner Control Panel	OK
Se	ettings Test To Kpd Version	
	Auto Scan OK	×
	Interval: 📴 (sec)	
	Start Cancel	
		7
4	A-Scan Stop Scr-Off Clear	r

23. Laser emit every 3 seconds. Place the laser head towards to the barcodes. Barcode will be read and shown on the screen.

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 32 of 144
Scanner Control Panel	ок			
Settings Test To Kpd Versi	on			
Wedge				
8, UNITECHE				
9, 0105412345678901659344				
10, 0105412345678901659344				
1	-			

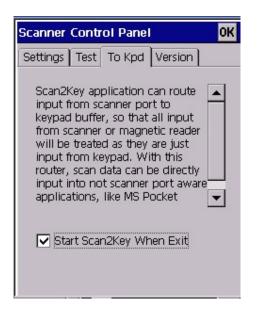
24. Tap "Stop" button. This will stop to emit the laser.

Scanner Control Panel	ОК
Settings Test To Kpd Version	
9, 0105412345678901659344	
10, 0105412345678901659344	
11, 0987654321	
auto scan stopped	•
A-Scan Stop Scr-Off Clear	

25. Tap "Clear" button. The screen of "Test" will be cleared.

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 33 of 144
Scanner Control Panel	OK			
Settings Test To Kpd Versio				
A-Scan Stop Scr-Off	Clear			

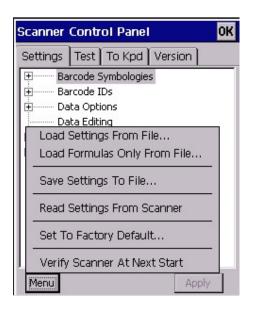
26. Under "To Kpd" tab, tick "Start Scan2key When Exit". Then, tap "OK". Scan2Key icon will appear at the task bar. (For the use of Scan2Key, please refer to chapter 2.8)



27. Tap "Version" tab, the screen will show the general information of Hamster decoder.

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OV			
03.			
face) 1			
	D3.	by Yukiko Manual	by Yukiko Manual

28. Back to "Settings" tab. Tap "Menu" at the bottom. You will see a selection menu pop up.



29. Select "Load Settings From File" or "Load Formulas Only From File". Load the existing scanner settings / formula file. (If you have saved a settings / formula file before)

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 35 of 144
Scanner Control Panel	ок			
Open 🔤 💣 🧱 🧱 ?	ок ×			
My Computer     Flash Storage     Rec	uslad			
My Documents				
Program Files 🔛 Wir	ndows			
Name:				
Type: Scanner Settings (*.US	5I) 💌			
1				
Menu	Apply			

30. Select "Save Settings to File". Save the current scanner setting as \*.USI file.

Scanner Control Pa	nel OK
Sav 🕅 💣 📰	
<ul> <li>Flash Storage</li> <li>My Documents</li> <li>NETWORK</li> <li>Program Files</li> </ul>	Recycled Temp Utilities Windows
Name: ↓	• ngs (*.USI) •
Menu	Apply

31. Select "Set To Factory Default". Tap "Yes". The scanner setting will be reset to the original setting.

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 36 of 144
Scanner Control Panel	OK			
Settings Test To Kpd Versi				
Barcode Symbologies     Arcode IDs				
Scanner Settings	$\times$			
🖁 🕐 Set all settings to de	efault?			
Yes No				
11				

32. Select "Verify Scanner At Next Start". The scanner will be verified next time you run "Scanner Settings".

#### 2.11 Virtual Keys

Path: Control Panel/Virtual Keys.exe

This tool allows you to enable/disable the alpha keys on the terminal keypad.

1. Tap "Virtual Keys".

Unitech Electi	ronics Co., L		PA960 Operation	V2.3	Page 37 of 144
		by Yukiko	Manual		
<u>File View</u>		? ×			
গ্রা 🤜	_ <mark></mark>				
Password	Power	Regional Settings			
	¢	٠			
Scanner Settings	Stylus	System			
2abr	< T				
Virtual Keys	Volume & Sounds	Wireless LAN Setting			
3					
Wireless Network		<b>•</b>			

2. Uncheck "Enable Virtual Keys Applet". Tap "OK".

GetVK Control Panel	ок 🗙
Basic	
Enable Virtual Keys Applet	

3. Open pocket word and test alpha keys. Press "alpha" key and press numeric key. The characters output are non-alpha keys.

4. Back to step 2. Tick "Enable Virtual Keys Applet". Tap "OK". The alpha keys are enabled again.

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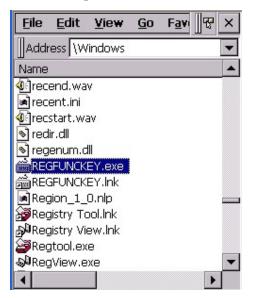
## 2.12 RegFuncKey

Path: My computer/Windows/RegFuncKey.exe

This tool allows you to re-define the function key. For default value:

Func 6 = Task Manager Func 7 = Scanner Setting Func 8 = Power Management Func 9 = Device Info

1. Double tap "REGFUNCKEY".



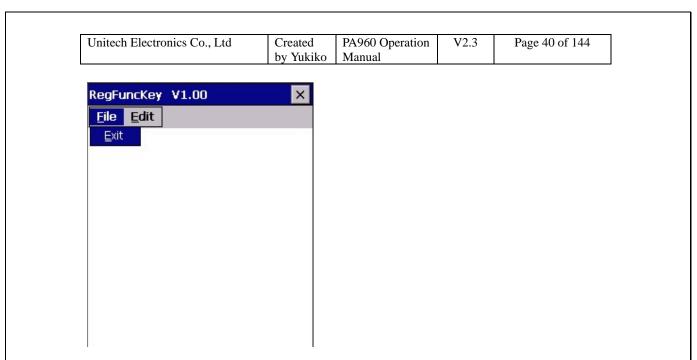
2. Under "Edit", select "FUNC 6".

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 39 of 144
RegFuncKey V1.00	×			
<u>File</u> dit				
EUNC 6				
EUNC 8				
EUNC 9				

- 3. Tap "Browse". Select the application you want to be executed by Func 6.
- 4. Tap "Set".

RegFuncKey V1.00	×
<u>File E</u> dit	
FUNC 6	×
File Name \windows\BootMode.EXE	Browse
Parameter	
<u>Set</u> <u>C</u> ancel	

5. Under "File", tap "Exit".



6. Press "Func" + "6". You should see the "Bootmode" windows pop up, as step 2 in chapter 2.1

7. You may repeat the above steps to re-define the Func 7, 8 and 9.

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# Chapter 3 Tools and Applications under

## "Windows"

Tools and Applications under "My Computer/Windows"

- 1. ActiveNet
- 2. Aironet Client Utility
- 3. Calibration
- 4. MS DOS Prompt Command
- 5. Load New Firmware
- 6. MSTSC
- 7. Net
- 8. NICTT
- 9. NICUPDATE
- 10. pegterm
- 11. pmail
- 12. pvbload
- 13. pword
- 14. rapisrv
- 15. rasdemo
- 16. repllog
- 17. Taskman
- 18. visadm
- 19. wceload
- 20. WMAGS46

## 3.1 ActiveNet

Path: My computer/Windows/ActiveNet.exe

This tool provide files synchronization facility between the terminal and your host (PC/notebook) via wireless network communication.

1. Under "Control panel" > "Communication" > Device Name, type a name for the device. (Example: WinCE-2)

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 42 of 14
Communications Prope ?	ок ×			
Device Name PC Connection				
Your device uses this informatio identify itself to other computer				
Device name (without spaces):				
WinCE-2				
Device description:				
WinCE MaxAll Device				

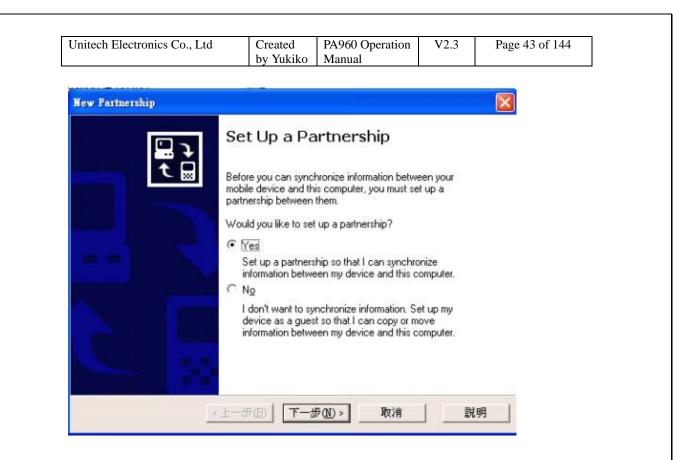
2. Tap "PC Connection". Tap "Change connection". Select "USB to PC".

	-	-	_
Communications Prope	?	OK	×
Device Name PC Connectio	n		
Enable direct connection	ns to	the	
Change Connection	?	ОК	×
Connect to desktop comput	ter u:	sing:	
USB to PC			-
Desktop @ 38400 Desktop @ 57600 IR to PC			
USB to PC			
your desktop computer.			

3. Connect the terminal with your PC by using USB communication cable.

4. Execute Microsoft Activesync on your host, make connection setting and get connected.

5. After connected, "Do you like to set up a partnership?" Select "Yes". Click "Next".



6. Give a name to the device. Example: WinCE-2, click "Next".

7. Select Synchronization Settings. Check "Files". Click "Next". Setup complete.

8. On your terminal, insert your wireless LAN card and select "Obtain IP by DHCP".

9. Setup the settings and WEP of wireless LAN card(For Cisco Aironet, please refer to Chapter 3.2)

10. Unplug the USB communication cable.

11. Under "Windows", double tap "ActiveNet".

nitech Electronics Co., Ltd	Created	PA960 Operation	V2.3	Page 44 of 144
	by Yukiko	Manual		
Eile Edit View Go	₽? ×			
Address Windows	-			
Desktop Favorites F	ionts 🔺			
Help Programs Re	ecent			
	A.			
StartUp www A	tiveNet			
ACU Reg				
	terisk 👻			

12. Choose a method to connect to the selected desktop computer. Select "Network Connection". Connect to <the host>. Tap "Connect".

13. Activenet will connect terminal to Activesync on your host via wireless network and proceed the file synchronization.

14. To synchronize again, tap "Sync Now".



15. Tap "Disconnect" to disconnect the communication.

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### **3.2 Aironet Client Utility**

Path: My computer/Windows/Aironet Client Utility.exe

Aironet Client Utility is a utility tool for you to specify the SSID, WEP, speed and other setting while using Cisco Aironet wireless LAN card. This tool is not available if Cisco Aironet wireless LAN card is not inserted in the terminal or the card is not detected.

- 1. Insert Cisco Aironet wireless LAN card into the terminal.
- 2. System detected the card. Select "Obtain IP by DHCP".
- 3. Double tap "Aironet Client Utility".



4. Under profiles, you will see profile0. Tap Edit. (Or Tap "Add" to add new profile)

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 46 of 144
Aironet Client Utility	? 0K ×			
Profiles Firmware Status St				
Manage Profiles:	Add			
Profile0	<u>E</u> dit			
	<u>R</u> ename			
	Delete			
	ptions			
	About			
Select Active Profile: Profile0				

5. Select SSID, enter your SSID. Select power mode, enter "MAX PSP". Select WEP, tap "Static WEP ". Then, enter your WEP key.

Profile0' Propertie:	s ? OK ×
Property:	Value:
SSID Client Name Infrastructure Mode Power Save Mode Network Security Type WEP	WEP Keys
Authentication Type L User Name User Password User Domain Mixed Mode	<u>O</u> K Cancel

6. Under "Survey", check the link status.

Unitech Electronics Co., Ltd	Created	PA960 Operation	V2.3	Page 47 of 144
	by Yukiko	Manual		
Aironet Client Utility	? 0K ×			
Status Statistics Survey	4			
Cisco 340 is Associated to AP12	00-cc04bc			
Signal Strength	47%			
mmmm				
Signal Quality	68%			
Link Speed: 11 Mbps Quality:	Good			

7. Under "IP information", check if IP is connected. You can link to network.

CISCO1 OK ×
IP Information IPv6 Information
「Internet Protocol (TCP/IP)—
Address Type: DHCP
IP Address:
192.168.110.65
Subnet Mask:
255.255.255.0
Default Gateway: 192.168.110.240
<u>R</u> ene <b>w</b> <u>D</u> etails
🐉 СІБСО1 🛛 🕄 🕄 🖓

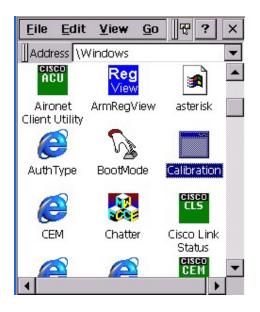
_					
	Unitech Electronics Co., Ltd	Created	PA960 Operation	V2.3	Page 48 of 144
		by Yukiko	Manual		-

## 3.3 Calibration

Path: My computer/Windows/Calibration.exe

This tool allows you to do calibration while the original screen calibration is no longer accurate.

1. Double tap "Calibration".



2. Use the stylus to touch the "+" (Center, Top left, Bottom left, Bottom right, Top right), then press "Enter" key.

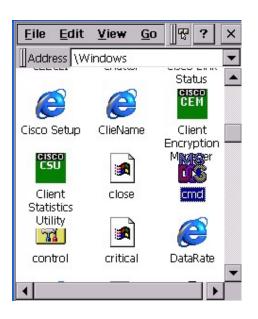
Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 49 of 144
Carefully press and briefly hold on the center of the target Repeat as the target moves around the screen. Press the Esc key to cancel	stylus ;	Manuar		

## 3.4 MS DOS Prompt Command

Path: My computer/Windows/cmd.exe

This tool allows you to execute DOS command.

1. Double tap "cmd".



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2. On the DOS prompt, type some command (ex: dir)

Eile Edit Help	×
Pocket CMD v 3.0 \≻ dir	
V> dir	
Input Panel	
Esc 1 2 3 4 5 6 7 8 9 0 -	[=[♦
[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 n m , .	/]⊷
[Ctl]áü]`]\] ↓]↑	[←]→

<u>E</u> ile <u>E</u> di	t <u>H</u> elp		×
Direct	ory of \		
01/01/98		<dir></dir>	_
01/01/98	04:00a	<dir></dir>	
01/01/03	11:28p		
01/01/03	08:05a		
01/01/03	08:00a	<dir></dir>	
01/01/03	00:00a	<dir></dir>	
01/01/03	00:00a		
01/01/03	00:00a	<dir></dir>	
Found	ll file(s	:). Total si	İz
١>			•
		Г	

3. On "File" menu, select "Close" to exit.

by Yukiko Manual	
Close tory of )	
Close tory of )	
⊆lose tory of \	
01/01/98 04:00a <dir></dir>	
01/01/98 04:00a <dir></dir>	
01/01/03 11:28p	
01/01/03 08:05a	
01/01/03 08:00a <dir></dir>	
01/01/03 00:00a <dir></dir>	
01/01/03 00:00a	
01/01/03 00:00a <dir></dir>	

### 3.5 Load New Firmware

Path: My computer/Windows/Load New Firmware.exe

This tool allows you to update the latest version of Cisco driver whenever it is necessary. (Must insert Cisco Aironet Wireless LAN card)

1. Double tap "Load New Firmware".



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2. Tap "Select Firmware". Select the Cisco firmware. The driver will be updated.



3. Tap "OK" or "Cancel" to exit.

## 3.6 MSTSC

Path: My computer/Windows/mstsc.exe This tool allows multi user to telnet and login to a RDP host server. (Your terminal must connect to the network)

\*Note: Must install RDP in the host first.

1. Double tap "mstsc".

Eile Edit View Go     Address \Windows     Address     \Windows     Address     \Windows     \Vector        \Vector	
Address Windows	
LeapLogin Load New menupop	
LeapLogin Load New menupop Firmware.exe	
Firmware.exe	
menusel.wav MixedMod msmqadm	
mstsc.exe net.exe NICTT.EXE	

2. Key in the IP address of the RDP host in "Server" field. Tap "Connect".

Terminal Server Client 🛛 🗙
Server:
192.168.110.190
Recent Servers:
192.168.110.190
Low Speed Connection
Connect Halo About

3. Terminal login to RDP host.

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 54 of 144
Log On to Windows	<b>^</b>			
Microso	ind			
	INCK			
	Built			
User name: administrator				
Password:				
pq <b>r</b> s7	Cance			

#### 3.7 Net

Path: My computer/Windows/Net.exe

This is a MS Dos command that allows you to share data/files with any computer in the network. (Your terminal must connect to network)

1. On your PC/notebook, share a folder to the network.

2. Execute MS DOS prompt command.

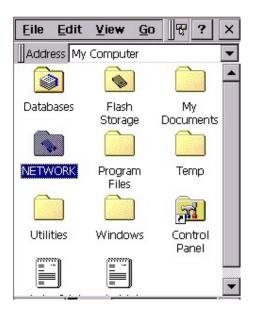
3. On the DOS prompt, type the command:

Net Use //<PC's Name>/<Shared Folder Name> <Terminal folder's name>

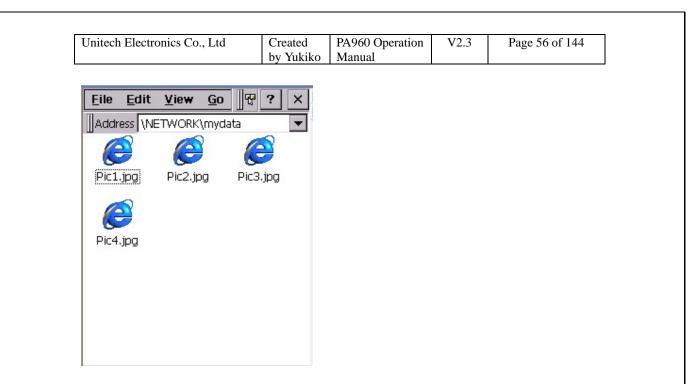
For Terminal folder's name, you can specify any name you like.

Unitech Electronics Co., Ltd	Created	PA960 Operation	V2.3	Page 55 of 144
	by Yukiko	Manual		
<u>Eile E</u> dit <u>H</u> elp	×			
Pocket CMD v 3.0	<b>A</b>			
\> net use //Yukiko-pc/to				
mydata successfully mappe	d to /			
1>				
1	-			

4. In "My Computer", tap "Network". You will see a terminal folder.



5. Open the folder. You will see the files in the folder. The content is the same as the shared folder in your PC/notebook.

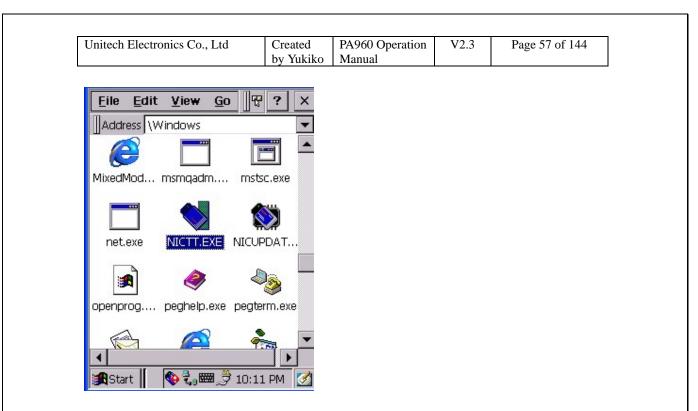


## **3.8 NICTT**

Path: My Computer/Windows/NICTT.exe

This tool is a setting application for Symbol wireless LAN card. Once you insert Symbol wireless LAN card in your terminal, this application will allow you to set the SSID, speed, WEP, infrastructure etc...

1. Insert Symbol wireless LAN card. You will see icon appear at task bar.



2. Tap the icon. Symbol Status window pops up. Under "Mode", key in the 802.11ESSID. Specify the operating mode.

🔊 😰
Symbol Status
Mode Info IP Config Power Options
rWireless LAN Mode
802.11 <u>E</u> SSID:
My Documents

3. Under "IP Config", specify either "DHCP" or "Static" IP address.

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 58 of 144
s 1/2				
	? OK >			
Encryption Ping Signal A	Ps			
DHCP 🔿 St.	atic			
MAC Address: 00:A0:F8:31:	51:C3			
Host Name: WinCE-2				
· · · · · · · · · · · · · · · · · · ·				
My				

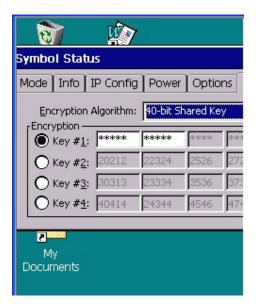
4. Under "Power" tab, specify "Radio Transmission Power" and "Automatic/Manual Power Saving Mode".



5. Under "Options", tick the options as you want.

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 59 of 144
bol Status				
e Info IP Config Power Op	tions Encr			
Enable Sounds	С			
International roaming				
These settings are only tempora	ary			
	_			
My Documents				

6. Under "Encryption", key in the WEP key.



7. Under "Ping" tab, you can key in the IP address of the host you want to ping , tap "Start Test".

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 60 of 144
? 0	ĸ×			
ryption Ping Signal APs				
	_			
192.168.110.63 🔻 Start	Test			
00:00:00:00:00:00 Size: 32				
est Statistics				
Retries: 0 Avg Mbps: 0				
My				
Documents				

- 8. Under "APs", Tap "Refresh".
- 9. Warm start terminal.
- 10. Your terminal is connected to network by Symbol Wireless LAN card.

## 3.9 NICUPDATE

Path: My computer/Windows/NICUPDATE.exe

This tool allows you to update the Symbol wireless LAN card driver. (You must insert Symbol Wireless LAN Card in the terminal)

1. Double tap "NICUPDATE".

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 61 of 144
	ey runne			
<u>File Edit View Go</u>	? X			
Address \Windows	-			
MixedNed remainder rest				
MixedMod msmqadm mst	sc.exe			
net.exe NICTT.EXE NICU	PDAT			
🏿 🔊 🔌				
	<b>3</b>			
openprog peghelp.exe pegte	erm.exe			

- 2. Under "Firmware Filename", browse to retrieve the Symbol firmware file.
- 3. Tap "Update" button to update driver.



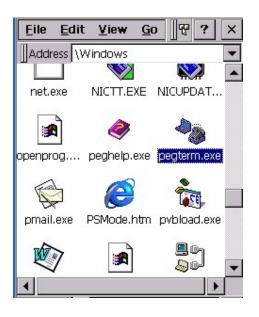
## 3.10 Pegterm

Path: My Computer/Windows/Pegterm.exe

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This tool allows you to make a session when you access the network by using modem card or when you want to dial to the phone by using GPRS card.

- 1. Insert the modem card or GPRS card.
- 2. Double tap "pegterm".



3. Tap "Make New Session".



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- 4. Under "Communication", Session name: <Enter a name>
- 5. Select a modem: <Select the modem card you are using>
- 6. Telephone Number: <Enter the phone number>

Session Proper	ties	ок 🗙
Communications	Emulation	
Session name		
my modem		
Select a <u>m</u> ode	m	
Hayes Compa	itible on CON 👻	
	figure	
Area code <u>T</u> e	elephone number	٦
425 *	99#	
Country code D	ialing from:	
1 D	ialing Properties	
Force long o	distance	

7. Tap "Configure". Set the baud rate, stop bits, parity and so on.

Device Properties	ок 🗙					
Port Settings Call C	)ptions					
Connection Preferences						
Baud Rate:	115200					
<u>D</u> ata Bits:	8 💌					
<u>P</u> arity:	None 💌					
<u>S</u> top Bits:	1					
Elow Control:	None 🔽					
Terminal —						
Use terminal window before dialing						
Use terminal window after dialing						
Manual Dial						

8. Tap "OK" and exit configure window.

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Childen Electronics Co., Eld	by Yukiko	Manual	12.5	ruge of or iff

9. Tap "Dialing property". Tap "Edit".

Dialing Pro	perties	ок 🗙
Location:	Work	-
	New	Remove
Local setting Area coo Country coo	de: 425	Tone dialing
		lial:
Dialing patt Local / Lon 9,G 9,1FG 9,011,EFG	erns are: – g Distance / Ir	nternational:

10. Specify the local calls, long distance calls etc. Tap "OK" to exit.

Dialing Properties OK	X
Location: Work	-
Edit Dialing Patterns Ok	×
For Local calls, dial:	
đ	
For Long Distance calls, dial:	
9,1FG	
For International calls, dial:	
9,011,EFG	
(E,e = country code; F,f = area co G,g = number)	de;

11. Tap "OK" to exit pegterm.

12. Start to connect.

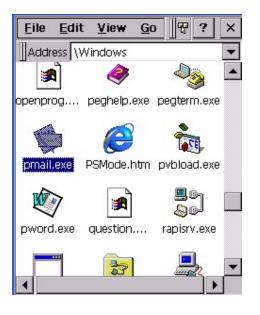
Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 65 of 144
<u>Eile E</u> dit <u>V</u> iew X				
- <u>S</u>	L.			
Make New my modem				
Connect to my modem	×			
Status: Dialing '*99#'				
Cancel Connection:				
Cancel				

## 3.11 Pmail

Path: My Computer/Windows/pmail.exe

This is an email applications for you to sent/receive email by using the terminal. (Must connect the terminal to the network)

1. Double tap "pmail".



2. In "Service" menu, select "Options".

Unitech Electronics Co., Ltd	Created	PA960 Operation	V2.3	Page 66 of 144
	by Yukiko	Manual		
Eile Compose Service	🖓 ? 🗙			
	rom			
Options				
Services Compose Rea	d Delete			
Installed <u>s</u> ervices:				
	•			



4. Select the service type. Tap "OK".

Unitech Electronics Co., Ltd	Created	PA960 Operation	V2.3	Page 67 of 144
	by Yukiko	Manual		
<u>File Compose Servic</u>	9 ? ×			
E- S ActiveSync E F	rom			
Service Name	ОК			
Rea	UK			
Service type:				
POP3 Mail				
Service name:				
POP3 Mail				

5. For connection, select type of your connection. (If you are using wireless LAN card, select "Network Connection".)

6. Key in the Pop3 host.

7. Enter user ID and password.

P	OP3 Mail Serv Required —	vice Definition (1/3)
5	<u>C</u> onnection:	Network Connection
	<u>P</u> OP3 Host:	adc.unitech.com.tw
-	User ID:	test
	Pass <u>w</u> ord:	****
		Save password
L		

8. Key in the SMTP host and return address. Tap "Next".

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Optional         Domain (Windows NT):         SMTP host for sending mail:         adc.unitech.com.tw         Return address:         test@adc.unitech.com.tw <back< td="">       Next&gt;</back<>	OK ×			

9. Tap "Next", "Next". Tap "Finish".

10. Pmail is ready to be used for email sending.

#### 3.12 pvbload

Path: My Computer/Windows/pvbload.exe

This tool allows you to load a VB program in your terminal.

#### 3.13 Pword

Path: My Computer/Windows/pword.exe

This tool allows you to do words editing, like MS word.

#### 3.14 rapisrv

Path: My Computer/Windows/rapisrv.exe

This is an application that enables a host computer application to execute an application programming interface on the terminal. You can use Rapisrv.exe with Repllog.exe if your Windows CE configuration does not include Remnet.exe.

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#### 3.15 rasdemo

Path: My Computer/Windows/rasdemo.exe

This is a sample communications application, Rasdemo.exe, creates a phone-book entry on the terminal and attempts to connect with the specified RAS server.

#### 3.16 repllog

Path: My Computer/Windows/repllog.exe

Repllog is a tool to enable RS232/IrDA communication.

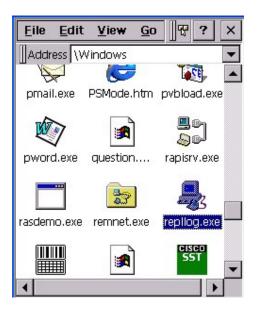
1. On your PC, open ActiveSync. Under "File" menu, select "Connection Settings". Allow Serial cable or infrared connection to this com port, select "Infrared Port".

Connection Settings
Click Get Connected to connect your mobile device to this computer.
Status: Waiting for device to connect <u>Get Connected</u>
Allow serial cable or infrared connection to this COM port:
Infrared Port (IR)
Status: COM port is not available
Allow USB connection with this desktop computer.
Status: USB is available
Allow network (Ethernet) and Remote Access Service (RAS) server connection with this desktop computer.
Status: Network is available
Status icon
🔽 Show status jeon in Taskbar.
OK Cancel Help

2. On the terminal, control panel/Communications/PC Connection/Change

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 70 of 144
Connection: IR to PC.				
Communications Process 7				
Communications Prope ?				
Device Name PC Connection				
	to the			
Change Connection	ок 🗙			
Connect to desktop computer	using:			
IR to PC				
Warning: Changing the conner may disable communications v				
your desktop computer.	VIGI			
your desktop computer.				

- 3. Open MS Activesync on your PC.
- 4. Place the IrDA port of the terminal towards the IrDA port of your PC.
- 5. On the terminal, double tap "repllog.exe".



6. Terminal and PC are connected by IrDA.

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### 3.17 Taskman

Path: My Computer/Windows/TASKMAN.exe

This tool shows the tasks that are running currently.

1. Double tap "TASKMAN".



2. Active tasks are shown. Select a task you want to terminate, tap "End Task".

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 72 of 144
<u>File Edit View Go</u>	2 ~			
Task Manager	×			
Active Tasks: GetVK - (no title) - (1307F0) Dialog - (no title) - (12C740) Dialog - Connected to USB to PC - Explore - Windows - (13E008) gweWinCENotify - gweWinCENotif- Ime - Default Ime - (128B70) Switch To End Task				

#### 3.18 visadm

Path: My computer/Windows/visadm.exe

This tool supplies registration commands on its command line and redirect output to the file when you want to use MSMQADM.EXE on WIN CE. VISADM.EXE is a dialog box with an edit control that allows users to input MSMQADM commands as they would appear on the command line and view the output in a text box above. There is also a Shortcuts dialog box that automates several frequently used commands and allows you to view the MSMQ log file and MSMQ-specific registry entries.

1. To install MSMQ using the VISADM Utility

Run VISADM.EXE.

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 73 of 144
Address \Windows SSTPassive startup.wav TAS		Enter command:		₹ ▼ I.e
		Run Stortcut		
windmax windmin W	/ireless 🔽 🖄	vindmax windmii	n Wirel	ess 🔻

- 1. From the **Shortcuts** menu, choose **Install**.
- 2. From the **Shortcuts** menu, choose **Register** to create the registry entries.

En	ter command:	×	
<b>و</b> ا	ialog	×	
	Install	Uninstall	
	Register	Verify	
	Status	Log	8
	Start	Stop	
			Ъ
win	idmax windr	nin Wireles	s ▼ ▶

- 3. Reboot the computer.
- 4. Test your installation.

#### Other Commands Available from the Visadm Shortcuts Menu

- The **Stop** command stops the MSMQ driver after it has been installed.
- The **Start** command restarts the MSMQ driver.

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- The **Log** command displays the contents of the MSMQ log file.
- The Verify command interprets registry settings and produces readable

information about MSMQ installation.

You can customize your installation options by using direct MSMQADM commands from the VISADM command prompt. Type the command in the edit box exactly as if you were supplying command-line arguments to MSMQADM and press the **Enter** key to execute. The output appears in the read-only dialog box that is displayed above the edit box.

#### 3.19 wceload

Path: My computer/Windows/wceload.exe

This tool is exist to execute \*.cab file.

#### 3.20 WMAGS46

Path: My Comnputer/Windows/WMAGS46.exe

This is the driver of Lucent Orinoco Wireless LAN card. It allows you to make the setting for the wireless connection.

- 1. Insert Lucent Orinoco Wireless LAN card into the terminal.
- 2. Select "Obtain IP address via DHCP".
- 3. An icon (Lucent driver) appear on the task bar. Tap the icon.

Unitech Electronics Co., Ltd	Created	PA960 Operation	V2.3	Page 75 of 144
	by Yukiko	Manual		
Eile Edit View Go	7 ? × ^			
Address Windows	-			
TxPowe.htm UniPing.exe visa	dm.exe 📥			
10 🙆 🕅	2			
wceload.exe WEP.HTM win	ce.bmp			
L	ireless ogin			
	exe			
WMAGS46 WorldMod wpl	ayer.exe 💌			
•	•			
🏽 🚺 Start 🚺 📊 🚼 🖉 🖼 5:5	53 PM 🛛 🛃 🐱			

4. Double tap "Edit Wireless Profile".

<u>T</u> ools <u>A</u> dvan	ced	×
<b></b> *)		
Network: Connection:	Searching	
AP: Channel:	10	
Encryption:	Off	
	eless profile, go to the	

5. Tap "Add".

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 76 of 144
Settings	ок 🗙			
Wireless Networking				
Select Profile				
Default	-			
<u>Add</u> <u>E</u> dit	Delete			
Use this page to:				
<ul> <li>Activate a wireless profile fror pull-down menu.</li> <li>Add Edit or Delete a user-defi wireless profile.</li> </ul>				

- 6. Under "Profile Name", enter a name. (Ex:mytest)
- 7. For network type, select "Access Point".
- 8. Tap "Next".

ngs	
Name:	mytest
rk <u>T</u> ype:	Access Point
file.	: ame to your wireless twork Type.
	< <u>B</u> ack <u>N</u> ext >

9. Specify network name. Tap "Next".

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 77 of 144
d/Edit Configuration Profile				
work Name UTE Scan	1			
this page to:				
Identify the Network Name of the wireless network to which you wish to connect your computer.				
< <u>B</u> ack <u>N</u> e	ext >			

10. Tick "Enable Data Security". Enter WEP key. Tap "Next".

=	ta Security Iphanumeric Characters exadecimal
Key <u>1</u>	***
Key <u>2</u>	
Key <u>3</u>	
Key <u>4</u>	
	Key 1
	< <u>B</u> ack <u>N</u> ext >

11. Determine to enable card power on or off. Tap "Finish".

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 78 of 144
Settings				
Card Power Management				
Use this page to:				
<ul> <li>Enable Power Management for lower power consumption and</li> </ul>				
wireless performance.				
< Back	Finish			

12. Tap "OK". Lucent Card is ready for wireless connection.

Setting	s		ок 🗙
Wireless	Networking		
Select Pi	ofile		
mytest			-
	Add	Edit	Delete
- Acti pull- - Add	down menu	ess profile fr ete a user-de	

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Tools <u>A</u> dvanced	×			
Network: UTE Connection: Good AP: [00-0c-30-cc-0 Channel: 6	04-92]			
Encryption: On				
To change your wireless profile, go	to the			
Edit Wireless Profiles				

13. Tap "Tool" > "Version Info", the information of the utility and driver is shown.

Version Info 🛛 🗙
Version Info
Wireless Driver (Build 769) Ready Client: 2.18 Driver Name: WLAGS46 Driver Version: 7.82 Primary Firmware Version: 4.4 Station Firmware Version: 8.74 Manufacturer: Agere Systems Encryption: WEP 128 bit Rates: 1, 2, 5.5, 11 Mbit/s

14. Select/deselect "Load/unload automatically".

15. Select/Deselect "Suspend While Connected". If select "Suspend While Connected", the terminal will be suspend according to the time set in suspend mode even if the RF connection is on. If deselect "Suspend While Connected", the terminal will not be suspend while the RF connection is on.

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16. Select "Disable Radio" to disconnect RF connection. (select "Enable Radio" to connect the RF)

17. Select "Advanced" > "Link Test", users can check the link of RF.

nk Test					
elect Partner:	15	AXMO1			
MAC Address: Link Speed:	00-02-2d-5b-fb-76 11 Mbits/s				
	Sta	tion	Par	tner	
5NR	16		45		
5ignal	187		208		
Noise	171		163		
Mbps	1	2	5	11	
5end	0	0	1	24	
Receive	0	0	0	25	

18. Select "Advanced" > "Site Monitor", tap "Open", the user can check signal strength.

ι	JTE			ОК
	Site Monitor			2
1	AP MAC Address	SNR	Signal	Noise
	00-0c-30-cc-04-bc	13	-72	-85
	00-0c-30-cc-04-92	15	-68	-83
	•			Þ
			E	Back

19. Tap "Advanced" > "Network Troubleshooting". You may check your current IP.

Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 81 of 144
Client: Ready  Network: UTE Connection: Good B5: [00-0c-30-cc-04 Channel: 1 Enc Network Troubleshootii Site Monitor Link Test To char Edit Wi Enroll Tools Advanced		Network Troub Below is the IP Addre device. 192.168.11 192.168.11 Inc. 100 Advance Enter the name of a c and click 'Contact' to s functioning. Computer Remote	ss assigned ( 0.100 0.199 ed F computer to a see if your n	to your Repair contact etwork is

20. Tap "Advanced" to check detail IP address or tap "Repair" to renew IP.

Advanced II	P	
Connection		
MAC Address	00-60-B3-6D-61	-49
IP Address	192.168.110.10	00
Subnet Mask	255.255.255.0	
DHCP Server	192.168.110.6	
Gateways	192.168.110.24	<del>1</del> 0
DNS	192.168.110.4,	
	-la	
IP Forward Tat	ле	
Dest	Mask	Int 🔺
		Int 🔺
Dest	Mask	
Dest 0.0.0.0	Mask 0.0.0.0	US
0.0.0.0 0.0.0.0	Mask 0.0.0.0 0.0.0.0	US PR

21. You may communicate with a remote computer by entering the name of that computer , then tap "Contact".

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	by Yukiko	Manual		
Network Troubleshootin	g 💡			
-				
Network Troubleshoo	OK X			
Hetwork Housicshoom				
Your device successfully				
contacted yukiko-pc in less				
than 5 ms.	L L			
E				
and click 'Contact' to see if your ne	etwork is			
functioning.				
Computer yukiko-pc	<b>T</b>			
I THE P	Share			
	Stop			
	100000			
yukiko-pc responded in 5				

22. Tap "Tool" > "Exit" to close WMAGS46.

Client: Ready	0
Exit	
Disable Radio Power Management •	4-bc]
Suspend While Connected ✓ Load/Unload Automatically	n
Log	
Version Info Edit Wireless Profiles	o the
Tools Advanced	×

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# Chapter 4 Control Panel

Settings under "Control Panel"

- 1. Communications
- 2. Date/Time
- 3. Display
- 4. Input Panel
- 5. Keyboard
- 6. Mouse
- 7. Network Configuration
- 8. Password
- 9. Power
- **10. Regional Settings**
- 11. Stylus
- 12. System
- 13. Volume & Sounds

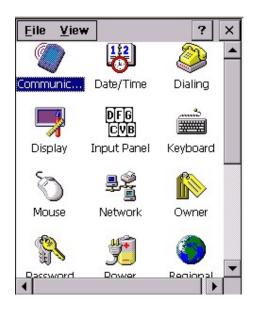
#### 4.1 Communications

Path: Start/Settings/Control Panel/Communications

This setting allows you to set the device name and specify which type of communications you want to set for the device to communicate with the host.

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1. Double tap "Communications".



2. Under "Device Name" tab, specify device name and the description.

Communications Prope ? OK 🗙
Device Name PC Connection
Your device uses this information to identify itself to other computers.
Device name (without spaces):
WinCE-2
Device description:
WinCE MaxAll Device

3. Under "PC Connection", tick "Enable direct connections to the desktop computer".

4. Tap "Change Connection".

Communications Prope ?	ж ×		
	ж ×		
Device Name PC Connection			
Enable direct connections to t desktop computer	he		
When enabled, connect to the desktop computer using:	9		
'USB to PC'	]		
Warning: Changing the conne may disable communications v your desktop computer.			

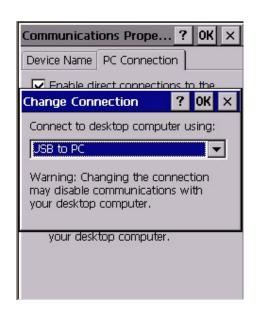
5. Select the type of communication that you connect the terminal to your host.

Example:

If you use RS232 cable, you may select "Desktop@57600" or "Desktop@38400".

If you use USB cable, please select "USB to PC".

If you connect by infra red, please select "IR to PC".



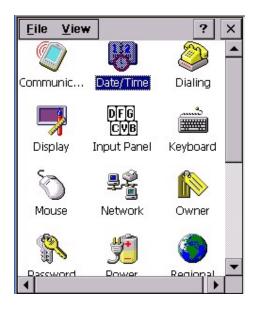
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#### 4.2 Date/Time

Path: Start/Settings/Control Panel/ Date / Time

This is the system date and time. You may set the date and time for the system.

#### 1. Double tap the date/time.



2. Set the date from the calendar and set the time. You may select the time zone too. Then, click "Apply".

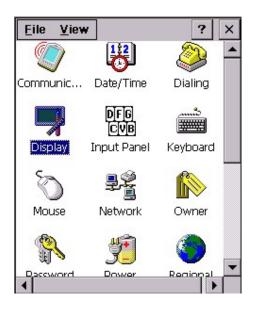
Jnitech Electronics Co., Ltd	Created	PA960 Operation	V2.3	Page 87 of 144
	by Yukiko	Manual		
Date/Time Properties 💦 🥐	ок 🗙			
Date/Time				
November 2003	F.			
	S			
	1			
	8			
	15			
	22			
	29 6			
	0			
2 :18:09 PM				
Time <u>Z</u> one				
(GMT+08:00) Taipei				
👝 Daylight savings time 🛛 🔒	pply			

# 4.3 Display

Path: Start/Settings/Control Panel/Display

This setting allows you to set the style of the windows background, the color and pattern of windows and determine the backlight off time.

#### 1. Double tap "Display".



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2. Under "Background" tab, for "Image", select the background name from the drop down list. You may tap "Browse" to retrieve any bitmap file for background. Tap "OK".



3. Under "Appearance", for "scheme", select the scheme from the drop down list.

4. For "Item", select the item that you want to apply the scheme on.

5. Tap "Apply".

6. You may also rename the scheme by tapping "Save" button.

7. To delete a scheme, tap "delete".

Disp	ilay Properties 🛛 🥐 🗙
Back	kground Appearance Backlight
<u>S</u> 0	theme: Rose
S	ave Delete Apply
	Normal Disabled Selec ? × Inactive Wind ? OK × ▲ Window Text Active Win ? OK × Dialog Box Text Button
Ite	m: Desktop 🔽 🗾

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8. Under "Backlight" tab, tick "Turn off backlight when using battery power and device is idle for more than X minutes". Specify the time.

This will turn off (suspend) backlight of the terminal after it has not been operated for X minutes to save the battery power. (Provided that the terminal is used with the battery).

9. Tick "Turn off backlight when using external power and device is idle for more than X minutes". Specify the time.

This will turn off (suspend) backlight of the terminal after it has not been operated for X minutes to save the battery power. (Provided that the terminal is used with the power adapter).

#### 4.4 Input Panel

Path: Start/Settings/Control Panel/Input Panel

This setting is to specify the input method and the keyboard style of the software keyboard.

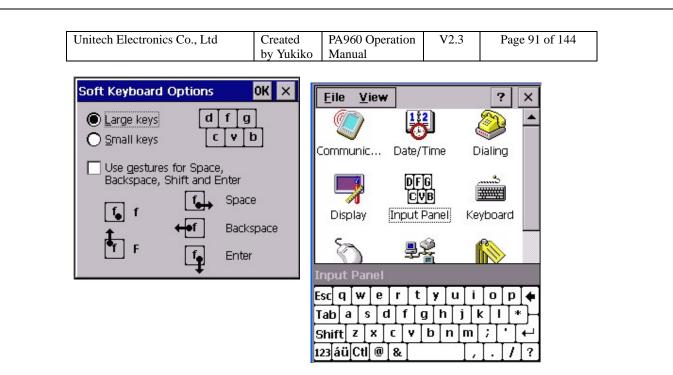
1. Double tap "Input Panel".

Unitech Electro	nics Co., Ltd	Create by Yu		A960 Operation	V2.3	Page 90 of 144
		by fu	KIKO IVI	allual		
			-			
<u>File V</u> iew		? ×	<			
	112	2	<b>▲</b>			
	<b>10</b>					
Communic	Date/Time	Dialing				
	DEC D					
<b>⊘</b> ∎ Display	Input Panel	Keyboard				
C (Sprid)	in porch dirion		_			
8	<u> </u>	1				
Mouse	Network	Owner				
-						
Decement		Reminipal	-			

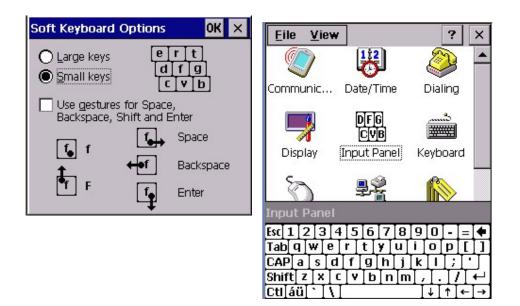
2. For "current input method", select the input method you prefer. Tap "OK".

Input Panel Properties	?	ОК	×
Input Panel			
Current input method:			
Keyboard	•	33000	
Options			<u>ال</u>
Allow applications to cha	ange	e the	
To quickly switch input me tap the Input Panel arrow tap the desired method fro menu that appears.	and	then	

3. Tap "Options". You may specify the large keys or small keys. For Example, select "Large keys". Tap "OK", "OK".



4. For Example, select "Small keys". Tap "OK", "OK".



5. You may use gesture so that you can use the stylus to slide the software key to indicate the main key and space, backspace, enter key and shift key. Tick "Use gestures for Space, backspace, Shift and Enter. Tap "OK", "OK".

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	by Yukiko	Manual		
Coft Kauboard Ontions	OK X			
Soft Keyboard Options				
O Large keys	t			
Small keys     C     V	g b			
✓ Use gestures for Space,				
Backspace, Shift and Enter				
f⊾ f f Spa	се			
	kspace			
	er			

6. Open pocket word. Tap the software keyboard. Tap a key and slide upwards.

You should see the "Shift" key value. For example, Tap "b" key and slide upwards will return "B". You may try to tap the key and slide downwards, to left side and right side to see the effect.

Eil	le	<u>E</u> di	t !	<u>V</u> iev	v	F <u>o</u> r	1	·	?	×
bb	В					8		10		
b										
Inni	ut D	ane	1							
		3#[4	100	<sup>%</sup> [6′	<u>∿1-8</u>	k[8*	۲ <u>م (</u>	<b>[</b> 0.)		_+
q	w	e	r	t	y I	u	i	0	p	1]
a	s	[ d ]	f	g	h	j	k	Т		•
Z	X	C	V	b	n	[m	,<	.>	1?	]}
Ctl	áü]	Esc	Ta	b]C	AP]	<u>۱</u> ^,	d[J	1	+	<b>→</b>

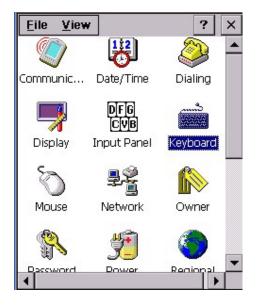
#### 4.5 Keyboard

Path: Start/Settings/Control Panel/Keyboard

This setting allows you to specify the behavior of the terminal keypad. (Hardware keyboard).

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1. Double tap "Keyboard".



- 2. Tick "Enable character repeat".
- 3. Adjust the repeat delay and repeat rate.
- 4. Place the cursor in the field of "Tap here and hold down a key to test".
- 5. Press and hold a key on the keypad.
- 6. You should see the character is repeated until you release the key.

Keyboard Properties 🛛 🤗 OK 🔀	:
Repeat	
✓ Enable character repeat	
Repeat delay: Long Short	100 m 100 m 100
Repeat rate: Slow	
Tap here and hold down a key to test: 2222222222	

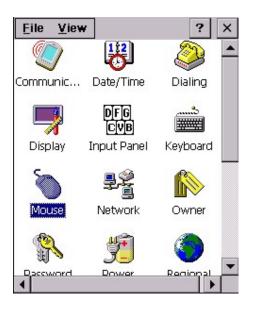
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#### 4.6 Mouse

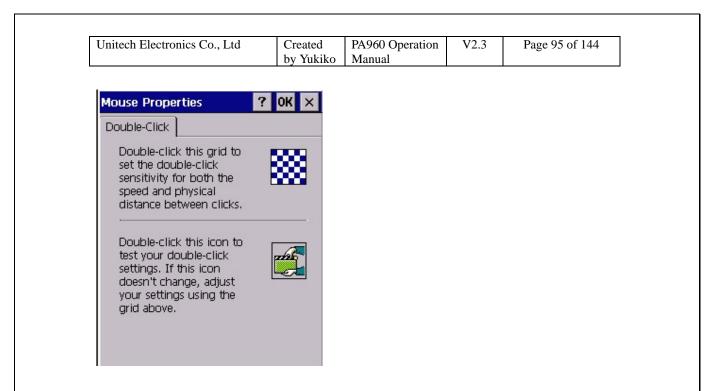
Path: Start/Settings/Control Panel/Mouse

This setting allows you to adjust the tapping sensitivity.

#### 1. Double tap "Mouse".



2. Double tap the grid. Then, double tap the icon to test.



#### 4.7 Network Configuration

Path: Start/Settings/Control Panels/Network

This setting is to configure the network setting by specifying the network adapter, network identification, IP address and server.

1. Double tap "Network".

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		by fukiko	Ivianuai		
<u>F</u> ile <u>V</u> iew		? ×			
Communic Dat	e/Time D	)ialing 🔺			
p (	FG				
	-1-1-1				
Display Inpu	ut Panel – Ke	yboard			
C	a dila	0			
Mourse IN					
Mouse Ne	twork (	)wner			
(B)	u 🗂				
ALL S		<b>9</b>			
Password P	ower R	gional			
		ettings			

2. Under "Adapters", select the network adapter you are using. Tap "OK".

Network Configuration 🛛 ? OK 🗙
Adapters Identification
Lists the network drivers installed on your device.
AsyncMac1: AsyncMac1 NDISWAN
Properties

3. Tap "Properties". Select either obtain IP address via DHCP or specify an IP address.

Unitech Electronics Co., Ltd	Created	PA960 Operation	V2.3	Page 97 of 144
	by Yukiko	Manual		6
'Cisco Wireless Lan Adapt	OK ×			
IP Address Name Servers				
I				
<ul> <li>An IP address can be automation assigned to this computer.</li> </ul>	cally			
Obtain an IP address via DH				
Specify an IP address				
IP Address:				
Subnet Mask:				
Default Gateway:				
, .	· · · · ·			

4. Under "Identification", key in the user name and password.

Network Con	figuration ? OK ×							
Adapters Ide	ntification							
gain access t Enter the use	uses this information to o network resources. er name, password, and ided by your network							
User Name:	9142							
Password:	****							
Domain:								

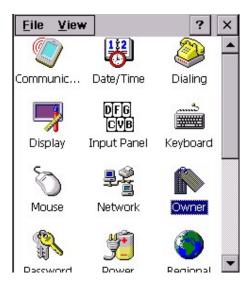
## 4.8 Owner

Path: /Start/Settings/Control Panel/Owner

This settings is to define the owner of this terminal, set the network ID etc.

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1. Double tap "Owner".



2. Key in the name of the owner, company and the address of the company. Check "Display owner identification". Tap "OK". The system will display the owner identification after suspend and power on.

Owner Properties 🛛 ? OK 🗙
Identification Notes Name: yukiko
Company:
Address:
118,8F,Lane235,Pao Chiao RD
Work phone: 886-2-89121122
At power-on
Display owner identification

3. Under "Notes", Key any message and check "Display Owner Notes". Tap "OK". System will display the notes after suspend.

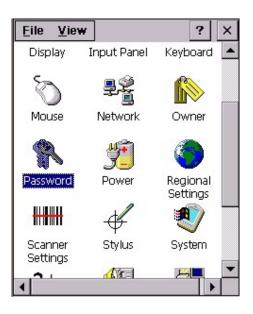
Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 99 of 144
Owner Properties ?	ок ×			
Identification Notes				
Notes:				
welcome				
	_			
	_			
At power-on				
Display owner notes				

#### 4.9 Password

Path: Start/Settings/Control Panel/Password

This setting is to protect the terminal from other users to access the windows by setting a unique password.

1. Double tap "Password".



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2. Key in your password twice. Tick "Enable password protection at power on".

Password Properties 🛛 ? OK 🗙
Password Settings
Password: *****
Confirm password: *****
Enable password protection at power-on

3. Warm start your terminal. Enter your password to login.

#### 4.10 Power

Path: Start/Settings/Control Panel/Power

This setting is to show the power voltage of the batteries, besides allow you to suspend the terminal after a time interval to save the power.

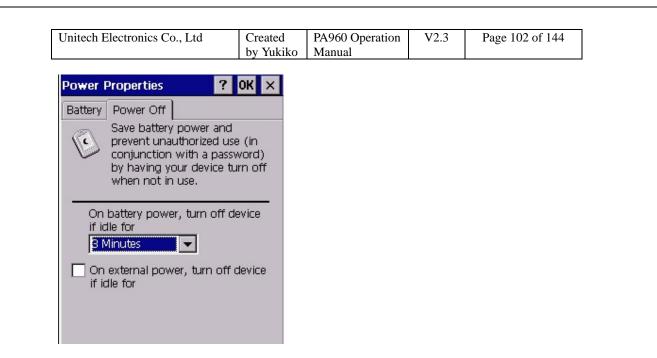
1. Double tap "Power".

nitech Elect	ronics Co., Ltd	Created by Yuki	V2.3	Page 101 of 144
<u>Eile V</u> iev	•	? X		
Display	Input Panel	Keyboard 🔺		
5	۵. 🖗	3		
	-			
Mouse	Network	Owner		
<b>(</b>	84			
10	39			
Password	Power	Regional Settings		
	÷	1		
Scanner Settings	Stylus	System		
	A STE	<u> </u>		

2. Under "Battery" tab, the screen show you the status and voltage of main battery and backup battery.

Power Properties	? OK ×
Battery Power Off	
Power	
Main battery	Backup battery
Good Good	Good
Low	🗢 Low
Very lov	v Very low
Main batteries —	
Remaining power:	37%
Voltage (V):	8.10
Temperature (C):	From 20 to 30
Backup battery -	*
Voltage (V)	1.40

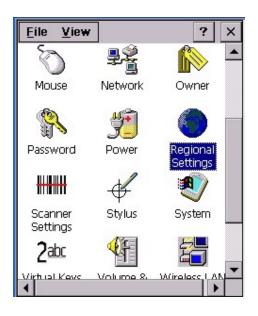
3. Under "Power off", for "On battery power, turn off device if idle for", select the time. The terminal will be power off after left idle for the interval time(When used with battery)



### 4.11 Regional Settings

Path: Start/Settings/Control Panel/Regional Settings

This setting is to set the regional settings, currency, date format etc.



1. Double tap "Regional Settings".

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2. Under "Region", select the region you want to use.

Regional Settings Properties OK 🗙
Region Number Currency Time Date
Region:
English (United States)
Appearance samples
Time: 7:31:14 PM
Short date: 11/17/03
Long date: Monday, November 17, 2003
Positive numbers: 123,456,789.00
Negative numbers: -123,456,789.00 Positive currency: \$123,456,789.00
Negative currency: (\$123,456,789.00)
,

3. Under "Number" tab, select the symbol and format you want.

Regional Settings Pro	perties <mark>OK</mark> ×
Region Number Currence	y Time Date
Decimal symbol:	
No. of decimal places:	2 💌
Digit grouping symbol:	, · · ·
No. of digits in group:	3 🔻
List separators:	
Negative sign symbol:	- 💌
Negative number format:	-1.1 💌
Display leading zeros:	0.7 💌
Measurement system:	U.S. 💌

4. Under "Currency", select the symbol and format you want.

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Regional Settings Propertie:	s OK 🗙			
Region Number Currency Tim	eDate			
Currency symbol:				
Currency symbol position: x1.1	-			
Negative number format: (x1.	1) 🔻			
Decimal symbol:	-			
No. of decimal places: 2	-			
Digit grouping symbol: ,	-			
No. of digits in group: 3	-			
× = Universal currency s	ymbol			

5. Under "Time", select the time format.

Regional Setting	gs Properties <mark>OK</mark> 🗙
Region Number	Currency Time Date
Time sample:	9:50:19 PM
Time style:	n:mm:ss tt
Time separator:	:
AM symbol:	AM 💌
PM symbol:	PM 💌

6. Under "Date", select the date format.

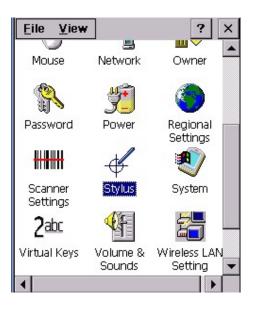
Unitech Electronics Co., Ltd	Created by Yukiko	PA960 Operation Manual	V2.3	Page 105 of 144
Regional Settings Properties         Region Number Currency Time         Calendar type: Gregorian Caler         Date samples         Short date:       11/17/03         Long date:       Monday, Novemb         2003         Date styles         Short date:       M/d/vv         Date separator:       7         Long date:       dddd, MMMM dd, f	Date Indar V Indar V			

#### 4.12 Stylus

Path: Start/Settings/Control Panel/Stylus

This setting is to set the sensitivity of the tapping and to do the calibration.

1. Double tap "Stylus".



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2. Under "Double Tap", repeat step 2 in chapter 4.6.

3. Under "Calibration", tap "Recalibrate". Calibrate the screen using the stylus. (Please refer to chapter 3.3)

Stylus Properties ? OK ×
Double-Tap Calibration
If your device isn't responding properly to your taps, you may need to recalibrate your screen.
To start the recalibration process, tap Recalibrate.
Recalibrate

#### 4.13 System

Path : Start/Settings/Control Panel/System

This setting is to show you the general information of the system and allow you to adjust the size of storage memory and program memory.

1. Double tap "System".

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Eile View	•	? ×			
V		<b>₩</b> ▼ <b>▲</b>			
Mouse	Network	Owner			
(ED)	u				
	3-				
Password	Power	Regional			
		Settings			
╫┼╋╫╂╉	-				
Scanner	⊥ Y Stylus	System			
Settings	Stylus	System			
		<u> -</u>			
2abc					
Virtual Keys	Volume &	Wireless LAN			
	Sounds	Setting 🔻			

2. System shows the version of the Win CE and the hardware information of the terminal.

System Properties	? OK ×
General Memory	
System ———	
Microsoft® Windo	iws® CE
Version 3.0 (Build	126)
Copyright © 1996- Corp. All rights rese This computer prog U.S. and internatio	erved. gram is protected by
Computer —	
Processor: Memory:	Strong ARM 64124 KB RAM
Expansion card:	Cisco Systems-
Expansion card:	
Registered to:	

3. Under "Memory", adjust the size of the memory by using the slider.

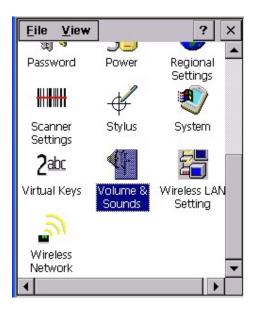
System Properties         ?         0           General         Memory             Move slider to the left for more memory to run programs. Move it the right for more storage space.         Only unused RAM (black portion of the context space)			
General Memory Move slider to the left for more memory to run programs. Move it the right for more storage space.			
Move slider to the left for more memory to run programs. Move it the right for more storage space.			
memory to run programs. Move it the right for more storage space.			
Only unused RAM (black portion o			
the slider bar) can be adjusted.	of		
Storage Program memory memory	0.12		
32384KB total 31740KB tot	tal		
432KB in use 3636KB in	use		

#### 4.14 Volume & Sounds

Path: Start/Settings/Control Panel/Volume & Sounds

This setting allows you adjust the volume of the tapping , key clicks, events, notifications etc. Also, it allows the user to specify the type of sounds for a special event and set a scheme for the sounds.

1. Double tap "Volume&Sounds".

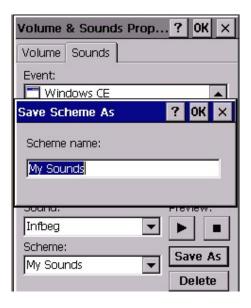


			110.0	D 100 6144
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2. Adjust the volume and tick the options that you want the sound to apply on.

Volume & Sounds Prop? OK 🗙
Volume Sounds
Soft
Enable sounds for:
<ul> <li>Events (warnings, system events)</li> <li>Programs</li> <li>Notifications (alarms, reminders)</li> </ul>
✓ Key clicks:
🔵 Soft 🔘 Loud
Screen taps:
🔘 Soft 🛛 🔘 Loud

- 3. To build a new scheme, tap "Save As".
- 4. Enter a name for the scheme.



5. Under "Events", click any events. Select the sounds. Tap the Preview button to listen to the sounds.

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6. To delete an event from the scheme, tap "Delete".

7. Tap "Save As" to overwrite when you make new change.

8. You have a new scheme for sounds. You may select any scheme you want at anytime.

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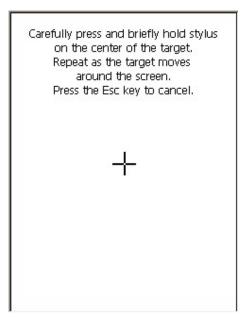
# **Chapter 5 Available Function Keys**

- 1. Func + Esc (Calibration)
- 2. Func + Up Arrow (Screen Backlight)
- 3. Func + Down Arrow (Keypad Backlight)
- 4. Func + TAB (Keypad Backlight)
- 5. Func + 6 (Task Manager)
- 6. Func + 7 (Scanner Setting)
- 7. Func + 8 (Power Management)
- 8. Func + 9 (Device Information)

### 5.1 Func + Esc

Press Func key and Esc key. Calibration is ready to be executed. Calibrate the screen by stylus. (Please refer to chapter 3.3)





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## 5.2 Func + Up Arrow

Pressing Func key + Up Arrow key will toggle the screen backlight.



# 5.3 Func + Down Arrow

Pressing Func key and Down Arrow key will toggle keypad backlight.



# 5.4 Func + TAB

Pressing Func key and TAB key will toggle the keypad backlight.

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### 5.5 Func + 6

Pressing Func key and numeric key "6" will execute Task Manager. (Please refer to chapter 3.20)



### 5.6 Func + 7

Pressing Func key + numeric key "7" will execute scanner settings. (Please refer to Chapter 2.10)

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### 5.7 Func + 8

Pressing Func key and numeric key "8" will execute power management. (Please refer to Chapter 4.9)



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### 5.8 Func + 9

Pressing Func key and numeric key "9" will show the device information. (Please refer to chapter 2.3)





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# **Chapter 6 Other Applications**

### 1. Remote Networking

### 6.1 Remote Networking

Path: Start/Program/Communication/Remote Networking

This application is to set up a new wireless connection while you connect the terminal to wireless network by using GPRS PC card. (Insert the GPRS PC card and specify the APN name)

- 1. Select "Start > Program > Communication > Remote Networking".
- 2. Double tap "Make New Connection".



- 3. Enter a name for the connection.
- 4. Select "Dial-Up Connection". Tap "Next".

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Make New Connection	ок ×			
Type a name for the connection				
mytest				
Select the connection type:				
Dial-Up Connection				
O Direct Connection				
Virtual Private Network				
< Back	Vext >			

- 5. Select a modem. Select the type of the GPRS PC card you are using.
- 6. Tap "Configure".

Make New Dial-Up Connect <mark>OK</mark> 🗙
mytest
Select a modem:
Option_International-GSM/GPRS_GI
Configure TCP/IP Settings
< Back Next >

- 7. Set the port settings.
- 8. Set the call options.
- 9. Tap "OK".

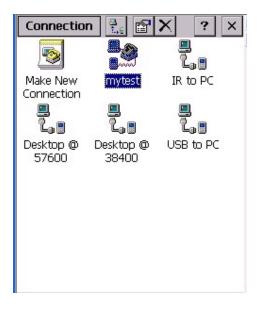
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10. Tap "Next".

11. Key in the phone number. Tap "Finish".

Make New Dia	I-Up Conne	ect <mark>OK</mark> ×
mytest		
Country code:	1	
Area code:	425	_
Phone number:	*99#	
Force long	distance	
Force local		
	< Back	Finish

12. A new connection is added.



13. Double tap this new connection. Tap "Dial Properties".

Dial-Up Conne	rtest	×		
User Name:	<b></b>			
Password:				
Domain:	Save passv	vord		
Phone:	9,*99#			
Dial from: Connect	Work Dial Propert	ies		
connocc	Diarropore			



15. Edit the dialing patterns. Tap "OK", "OK".

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Dialing Properties	ок 🗙			
Location: Work				
Edit Dialing Patterns	ок ×			
For Local calls, dial: G				
For Long Distance calls, dial: 9,1FG				
For International calls, dial: 9,011,EFG				
(E,e = country code; F,f = a G,g = number)	rea code;			

# 16. Tap "Connect".

Connection	Connection
	🔊 🎭 👯
Make New mytest IR to PC	Make New mytest IR to PC
Connecting to mytest	Connected to mytest
Dialing '*99#'	Connected
Hide this message: Hide	Hide this message: Hide
Cancel connection: Cancel	Disconnect

17. Terminal is connected to wireless network by GPRS PC card.

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# Chapter 7 RF Connection, GPRS and Bluetooth

- 1. RF Connection Cisco Aironet
- 2. RF Connection Lucent Orinoco (Agere System)
- 3. RF Connection Symbol
- 4. RF Connection Built in RF card model
- 5. GPRS Sierra Wireless AirCard750
- 6. GPRS Option Globe Trotter
- 7. Bluetooth Socket

### 7.1 RF Connection – Cisco Aironet

PA960 come with Aironet Client Utility version 1.70. In order to use Cisco RF card in PA960, it is essential to use Aironet Client Utility to set your SSID, WEP etc. Please refer to Chapter 3.2. In addition, you may use tool such as Cisco Link Status, site survey tool etc to check the Cisco connection.

However, please note that Aironet Client Utility version 1.70 only can work with Cisco RF card with firmware version V4.XX.XX. If you are using Cisco RF card with Firmware version V5.XX and above, you need to downgrade your Cisco card to V4.XX.XX or you may install Aironet Client Utility version 2.3 and above.

### Downgrade Cisco RF card firmware version

Please refer to chapter 3.7 to load firmware. Or you may perform the action on your PC/notebook.

- 1. Install Aironet Client Utility on your PC/Notebook.
- 2. Insert your Cisco RF card into your PC/Notebook.
- 3. Run Aironet Client Utility on your PC/Notebook.

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4. Click icon of "Load Firmware".

5. Select the firmware from your local HDD (example: V4.25.30.img)

6. Your Cisco RF card will be loaded with new firmware.

7. You may double check the version by clicking "Status".

#### Install Aironet Client Utility version 2.30 and above...

1. Download the utility from Cisco web site. Double click to install on your host.

2. Copy "CiscoHpc3SA\_a.CAB" from /Program Files/Microsoft ActiveSync/Cisco Aironet Wireless LAN Adapter/ to your terminal.

3. Double tap CiscoHpc3SA\_a.CAB on your terminal to install.

4. Follow the screen instruction.

5. You will see "Aironet Client Utility" on your desktop or in /Start/Program.

6. Run "Aironet Client Utility". Tap "Profile" Tab.

7. Insert your Cisco RF card in your terminal.

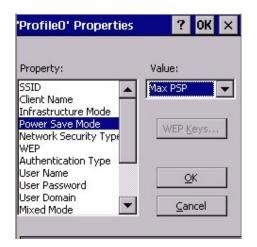
8. Under Manage Profiles, tap "Profile0". Tap "Edit".

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Aironet Client Utility	? OK ×			
Profiles Firmware Status St	atistics 🔳			
Manage Profiles:				
Profile0	Add			
	<u>E</u> dit			
	<u>R</u> ename			
	Delete			
-				
	ptions			
	A <u>b</u> out			
Select Active Profile: Profile0	<b>T</b>			
350 Series Radio is Not Asso	ciated			

9. Select SSID, enter your SSID.



10. For Power Save Mode, select "MAX PSP".



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11. WEP, select Static Key. Tap "WEP KEYS".



12. Key in your WEP key.

'ProfileO' WEP Keys	?	OK	×
Already Transmit Set ? Key WEP Key 1			Size 128 0 0
	el		Ŭ

- 13. Tap OK. OK.
- 14. Cisco RF card is ready to use.

15. In addition , you can check the connection under "Status", "Statistic" and "Survey".

## 7.2 RF Connection – Lucent Orinoco (Agere System)

Another alternative wireless connection is by using Lucent Orinoco RF card. (Recommend: Agere Wireless Ruby PC Card with Short Antenna). A built-in Lucent Driver and the utility(WMAGS46.exe) allows the users to use Lucent Orinoco RF

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card and make the connection setting.

1. Insert Lucent Orinoco RF card into the terminal. You will see a window pop up asking you to select obtain IP via DHCP or specify an IP address. Select either one of them. (If you select the later, do not forget to specify DNS under "Name Servers".)

'Agere Wireless N	letwork D <mark>OK</mark> 🗙
IP Address Name	Servers
An IP address can assigned to this co	
🔘 Obtain an IP a	ddress via DHCP
O Specify an IP a	address
IP Address:	
Subnet Mask:	
Default Gateway:	

2. You will see Lucent Orinoco card is recognized and an icon appear on the taskbar. Tap the icon. You will see the screen as below:

<u>T</u> ools <u>A</u> dvan	ced X
<b>)</b> (*)	
Network:	Searching
Connection: AP:	
Channel:	3
Encryption:	Off
To change your wir Edit Wireless Profile	eless profile, go to the
🐊 Start 🛛 👮	<b>₹ </b> 12:45 AM 🛛 🐼

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3. Repeat step 4 ~ step 22 in Chapter 3.24.

### 7.3 RF Connection – Symbol

In addition, wireless connection via symbol RF card also available. Please follow steps in Chapter 3.10.

### 7.4 **RF Connection – Built in RF card model**

PA960 has a another model which come with built in wireless LAN CF card. To make this card connect to the network, please follow the steps below to complete the setting:

1. Tap /Start/Settings/ControlPanel/Wireless LAN Setting.

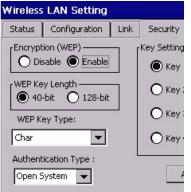


2. In configuration tab, specify SSID and Network Type, tap "Apply".



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3. In security tab, enable WEP and specify your WEP key, tap "Apply".



- 4. Tap OK.
- 5. Warm Start.
- 6. Tap /Start/Program/Uniping, check your Local IP.
- 7. Connect to network.

## 7.5 GPRS – Sierra Wireless AirCard750

Besides Option Globetrotter GPRS, users can use Sierra Wireless Aircard 750 for GPRS connection.

1. Install Aircard driver into terminal by double tap "Aircard 7X0 for Handheld PC2000.HPC2000\_2577.cab", follow the instruction and warm start your terminal.

2. Insert Aircard750 into the terminal.

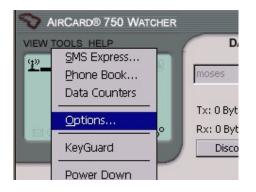
3. From /Start/Program, tap "Aircard 750 watcher".

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-					
3		<b>.</b>			
Recycle Bin		onet			
-	Pocket Word Client	Othity			
My Computer	Internet				
📻 Prog	Explorer	•			
	Communication	•			
	🏷 AirCard 750 Wa				
👸 😫 Setti	🜃 Command Prom	npt			
🕺 🧼 Help	🙀 Inbox				
불 🚰 <u>R</u> un.	🧭 Internet Explore	er			
Setti Setti Munonset Munonset Susp	😻 Microsoft Pocke	t Word			
	🏨 Windows Explo	rer			

4. Firmware update. You may select "Update now" or "Update later".

[New	Current
Build	Build
07/24/02	12/10/03
Version:	Version:
R2_0_17ACAP I:/BANDI	R3_2_11AC

5. On the watcher, tap "Tools"> Options.



6. Under profile, tap "Add" to add a new profile.

	Ltd Created by Yukiko	PA960 Operation Manual	V2.3	Page 129 of 144
Options				
	· )			
Profiles Network Dis	play   Security   Sl			
User Profiles				
Profile Name	User Name			
moses				

7. Enter a name for this profile, enter the APN. Tap OK.

Jser Profile		
Profile yuki		APN (Access
User Name		Password
	:t	
Advanced	Cancel	]

8. Under "Network" tab, select the frequency band and transmit power consumption. For Network selection mode, select "Automatic". Tap Apply.

ns	
iles Network Display Security	SMS Sc
Frequency Band 900/1800MHz Transmit Power Consumption Normal (Notebook)	Autor

9. Under "My Number" tab, at "Number" field, enter the phone number. Tap Apply. You may connect to network now.

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urity SMS Sounds My Number	rs Voice			
Number:				
*99#				
Number:				
+886927000588				

10. In addition, you may set other setting in Display, Security, SMS, Sounds and Voice tab.

11. For Display, you may check "Restore previous position on Startup" and "Remember Compact View Position".

If you want to launch browser automatically once Sierra wireless is running, check "Enabled" under Auto Launch Browser and key in the URL of your home page.

If you want the warning message to pop up while connection is lost, check "Connection Lost" under Warning Message.

Tap Apply.

С	ptions				
	View Op Res	tore Previo iember <u>⊂</u> orr	us Position npact View	, On St	
	Auto-Launch Browser				
	Warning Message				

12. Under "Security" tab, you can tap "Enable SIM security" to enter your PIN for your SIM card security. (Caution: Please be careful to enter the correct pin , your SIM card will be locked once a wrong PIN number is entered 3 times.)

To change your PIN number, enable SIM security first. Select PIN1 check box and

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enter you PIN in "Current" field. Enter a new password and verify your password again. Tap OK. Tap "Yes" to confirm to change the PIN.

Profiles Network Display Security SI Lock/Unlock SIM Enable SIM Security Change PIN PIN1

13. Under "SMS" tab, you will see your service center. The number is retrieved from your SIM card. Do not change this number.

Enter the default phone number to which the SMS message is sent. (Optional)

Specify validity period (How long the SMS messages are stored on the network).

Select the way you want your message to be saved or not saved in the outbox.

Tap Apply.

tions	
rofiles Network D	isplay Security SMS
Setup Parameters —— Service Center	Default Destination
+886938348404	
Outgoing Messages —	
Validity Period	Days
Days	• 1 •

14. Under "Sounds" tab, you may specify the warning sounds for each occasion.

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------------------------------	----------------------	---------------------------	------	-----------------

Tap Apply.

C	Options	
	Profiles Network Dis	play Security Si
	New SMS Message	\Program Files\Sierr
	GPRS Connection	\Program Files\Sierr
	GPRS Disconnection	\Program Files\Sierr
	☑ Incoming call	\Program Files\Sierr

15. Under "Voice" tab, specify the tone assigned to each key under DTMF. Specify the number of milliseconds the tone is on and off. Check "Mute keypad tone" if you do not want any sounds when you dial a number. Check "earpiece feedback", a sound will occurs when you select dial pad keys. The headset volume allows users to adjust the volume of what you hear.

Tap Apply.

DTMF -	ength		C	)n Du	ration	(80m	is-300
Mediur	n		] [2	:00			
	4ute k	(еура	d Tor	ne	🗹 E	arpiec	e Fee
Headse	et Volu	ıme —					
	1	- 1	- 1.	3. <b>1</b>	1.5	- 1.	э.

Note: For more details, please download the user guide from Sierra Wireless Web site.

## 7.6 GPRS – Option Globe Trotter

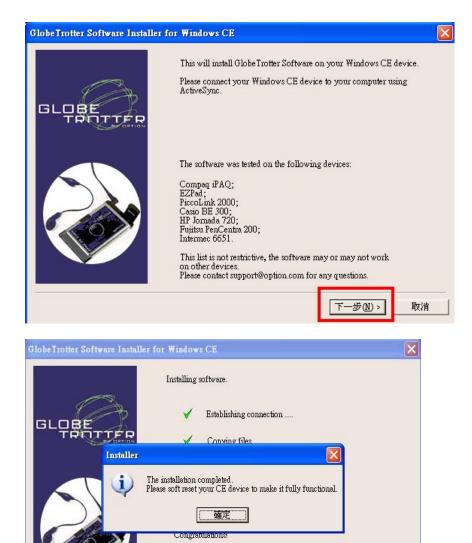
Another GPRS available is by using Option Globe Trotter.

1. Install APN manager on your host from Option Globe Trotter CD.

2. Connect your host and the terminal via Activesync.

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### 3. Double click APN manager to install it on the terminal.



Globe Trotter software was successfully installed on your device.

Finish

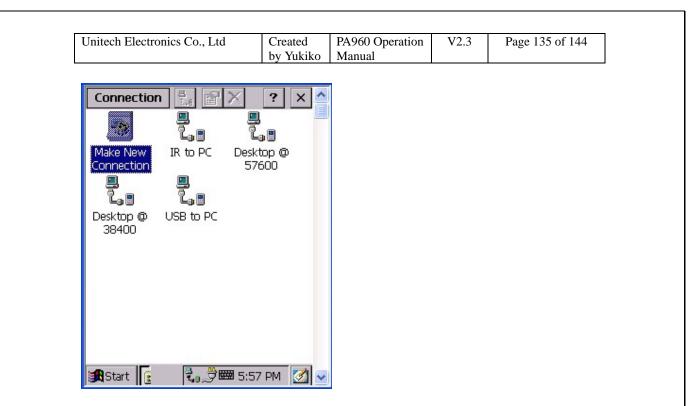
- 4. Reset your terminal.
- 5. You will see the APN manager in terminal's control panel.

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<u>File V</u> iew	? ×			
😗 💱				
APN Communic Date/ Manager	Time			
	6 /B			
Dialing Display Input I	Panel			
🚔 🚫 🚇	2			
Keyboard Mouse Netw	ork			
N 🚯 🦸	<u> </u>			

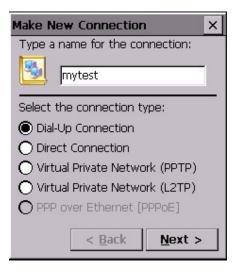
6. Tap "Add". Enter you APN. Tap OK.



- 7. Select "My Computer/Windows/connmc.exe".
- 8. Double tap "Make New Connection".



- 9. Enter a name for the connection.
- 10. Select "Dial-Up Connection". Tap "Next".



11. Select a modem. Select the type of the GPRS PC card you are using.

12. Tap "Configure".

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Modem	×			
🛃 mytest				
Select a modem:				
Option_International-GSM/GPRS				
TCP/IP Settings				
Security Settings				
< <u>B</u> ack <u>N</u> e	xt >			

- 13. Set the port settings.
- 14. Set the call options.
- 15. Tap "OK".
- 16. Tap "Next".

17. Key in the phone number. Tap "Finish".

Phone Number	×
🛃 mytest	
Country/region code:	1
Area code:	425
Phone number:	
*99#	
Force long distance	
< <u>B</u> ack	Finish

18. A new connection is added.

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Connectio	n 📇 😭	X ? X			
Make New Connection	mytest	IR to PC			
	<b>.</b> L <sub>a</sub> :	_ 1,			
Desktop @ 57600	Desktop @ 38400	USB to PC			

19. Double tap this new connection. Tap "Dial Properties".

Dial-Up Conne	ection 🔀
Same my	rtest
User Name:	
Password:	
Domain:	
	Save password
Phone:	9,*99#
Dial from:	Work
Connect	Dial Properties

20. Tap "Edit".

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Dialing Properties	ок 🗙			
Location: Work				
New Re	move			
Local settings are:				
Area code: 425 🛛 🔘 Ton	e dialing			
Country code: 1 O Puls	e dialing			
Disable call waiting; dial:	<b>V</b>			
Dialing patterns are:				
Local / Long Distance / Internat 9,G	ional:			
9,1FG				
9,011,EFG				
E	dit			

21. Edit the dialing patterns. Tap "OK", "OK".



22. Tap "Connect".

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Connecting to mytest		Connection       Image: Connected to my         Make New       myt         Connected to my         Image: Connected to my	est IR test ed	?   >   >   ide

13. Terminal is connected to wireless network by GPRS PC/modem card.

### 7.7 Bluetooth – Socket

Socket Bluetooth card is recommended for bluetooth communication on PA960.

1. Download socket bluetooth driver and double click to install on your host.

2. From host:/C:/Program Files/Microsoft ActiveSync/Socket Bluetooth Software, copy "Output.GalArm.CAB" to the terminal.

3. From host:/C:/Program Files/Microsoft ActiveSync/Socket Bluetooth OBEX Software, copy "Obex.Output.GalArm.CAB" to the terminal.

4. Double tap Output.GalArm.CAB to install and tap next, next until finish.

5. Double tap Obex.Output.GalArm.CAB to install.

6. Warm start the terminal.

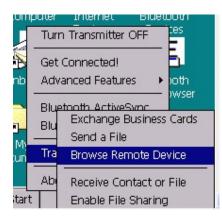
7. Insert Socket Bluetooth card into the terminal.

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8. Bluetooth icon will appear on the task bar.



9. Tap this icon and select "Transfer via Bluetooth" > "Browse Remote Device".



10. Terminal will begin to search remote bluetooth devices.



Once a device is found, a communication between the devices can be started.

- 11. Other features of Socket bluetooth, please refer to the below:
- 12. Tap Bluetooth icon and select "Turn Transmitter OFF". The bluetooth card radio

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transmitter will shut off. To turn it on again, tap the icon and tap "Turn Transmitter ON".



13. If you want to use PA960 to communicate to a bluetooth mobile phone, select "Get Connected!". The wizard guides you thru a one-time setup process that prepares the mobile phone and computer for Bluetooth to connect to. Tap "Next" and follow the screen instruction.

Mobile phones supported: Ericsson, Nokia6210, NTT DoCoMo, Sony phones, Motorola Timeport 270C, Nokia 3650/6310/7650/8910/8910i.

Welcome to Connected!"		oth "Get
This Wizard sets u enabled phone fo		
Tap Next to conti	nue, or tap Ba	ck to exit.
	< <u>B</u> ack	<u>N</u> ext >

14. Tap icon, select "Advanced Features" > My bluetooth device. You may change the name of your bluetooth device, assign your bluetooth com port, assign your business card and specify your shared folder.

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Turn Transmitter OFF				
Get Connected!				
Advanc My Bluetooth Device				
Bluetoour Actives				
Bluetooth LAN Access				
Transfer via Bluetooth 🕨				

15. To find nearby bluetooth device and add it in your bluetooth devices folder, select "Advanced features" > "Bluetooth Devices". (The bluetooth device you want to search must be in "Discoverable" mode). Besides, you can put your favorite phone/Fax/Computer/Printer in your favorites.



16. Tap icon and select "Bluetooth ActiveSync", it will allow the users to ActiveSync to a notebook or to a desktop computer. If there is no computers in your favorite folder, a bluetooth device search will begin; if there is computer in your favorite folder, your terminal will automatically connect to your favorite computer. A connect to screen appear. After a successful connection is made, it will report "Connected". You are now ready to synchronize files.

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Turn Transmitter OFF				
Get Connected!				
Advanced Features				
Bluetooth ActiveSync				
Bluetooth LAN Access				
Transfer via Bluetooth 🕨				
About				
t 📔 🐛 💐 🚯 📟 7:40 A				

17. Tap icon and select "Bluetooth LAN Access", Socket bluetooth will start to connect to the bluetooth-enabled LAN access point in your favorite folder or search for a bluetooth-enabled LAN access point. You may select the access point you want to use. Enter passkey if it is required. After connection is successful, you will see "Connected". Now you are ready to access your LAN for internet access, files etc.



18. To exchange your business card with other bluetooth device, assign your business card first in Advanced Features > My Bluetooth Device > Object Sharing.Tap icon and select "Transfer via Bluetooth" > "Exchange Business Card". Socket bluetooth search for bluetooth devices. Select the device that you want to exchange the business card with. Your business card will be sent to that device and you will receive the business card from that device as well.

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Turn Transmitter OFF				
Get Connected!				
Advanced Features				
Bluetooth ActiveSync				
Blu Exchange Business Card	ts			
Send a File				
Tra Browse Remote Device				
Ab Receive Contact or File				
rt 📔 📔 Enable File Sharing				

19. To send a file, select "Send a File". Socket bluetooth search for bluetooth devices. Select the device that you want to send your files to .Select the folder and the file you want to send. (Note: Must set up the destination device to receive a file by tapping "Receive Contact or File".)

20. Tap "Enable File Sharing". Socket bluetooth search for bluetooth devices. Select the device that you want to share your files with. File sharing is enabled until you tap "Cancel".

*Note: For more details, please download the user manual of Socket Bluetooth form the web site.*