

PA970 CE.NET 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 .NET 4.2 environment.

* Based on Firmware Version: V1.03.03

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. **I/O Card Control**
3. **REGFUNCKEY**
4. **Registry Backup**
5. **Scanner Setting**
6. **Virtual Keys**
7. **Device Info**
8. **GetVK**
9. **Scan2Key**
10. **PSMFormat**

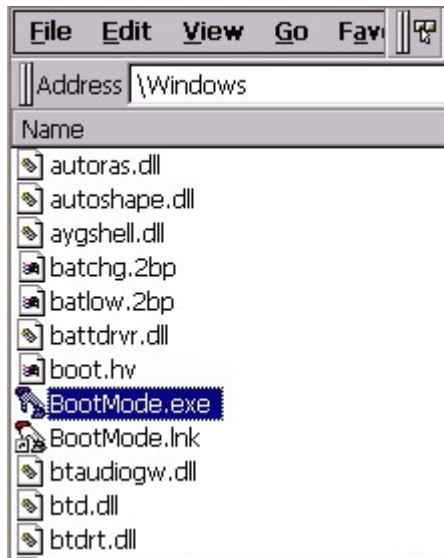
2.1 Bootmode

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".



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”.
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 contains OS image file. Select “2” to update OS.

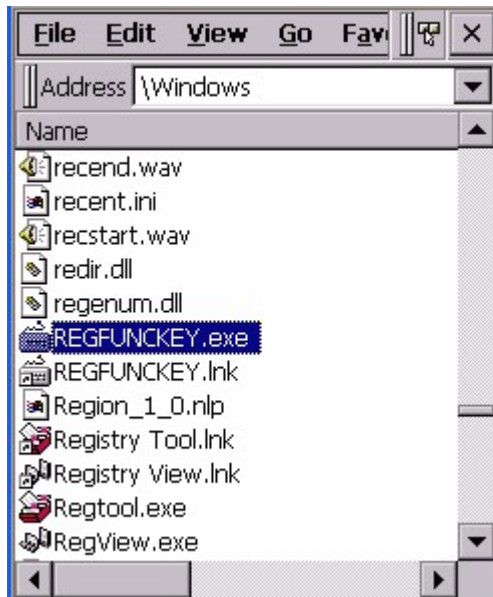
2.2 RegFuncKey

Path: My computer/Windows/RegFuncKey.exe

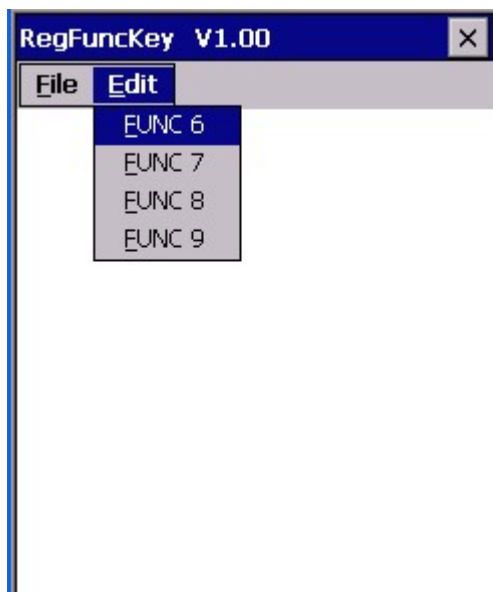
This tool allows you to re-define the function key.
For default value:

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”.



3. Tap “Browse”. Select the application you want to be executed by Func 6.

4. Tap “Set”.



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.

2.3 Scanner Settings

Path: Control Panel/Scanner Settings.exe

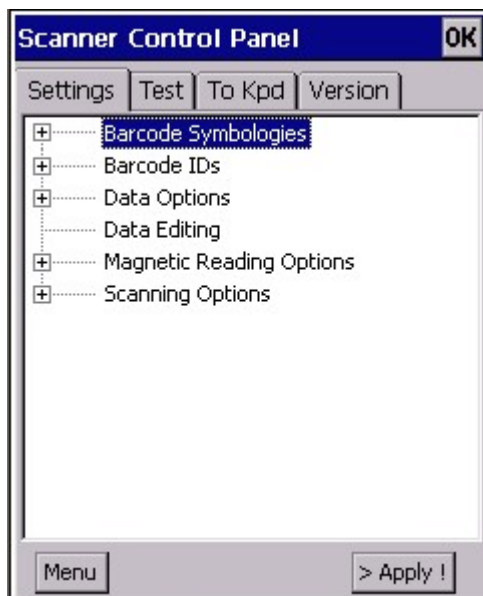
This tool allows you to make some settings on scanner such as barcode symbologies, barcode IDs, data options, data editing, scanning options in order to change the scanner behaviour. Besides, it allows a scanning test.

Every time change the setting, must click “Apply” button to get the effect.

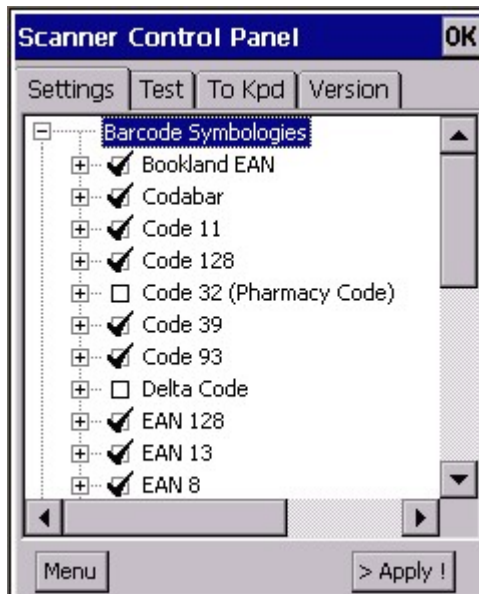
1. Double tap “Scanner Settings”.



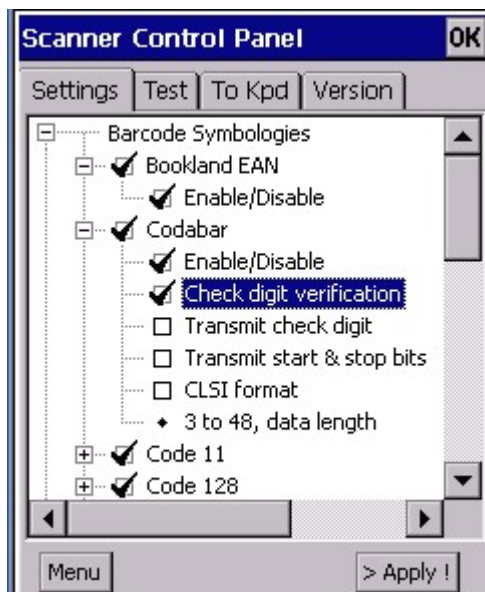
2. Under “Setting” tab, tap “Barcode Symbolologies”.



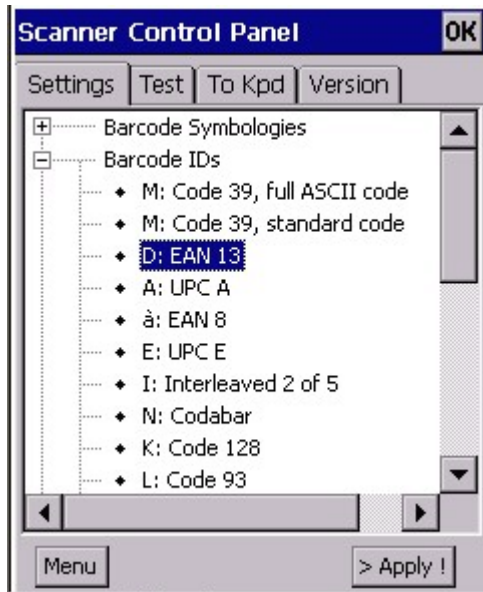
3. Tap “+” in front of “Barcode Symbolologies”. You will see a list of available barcode type.



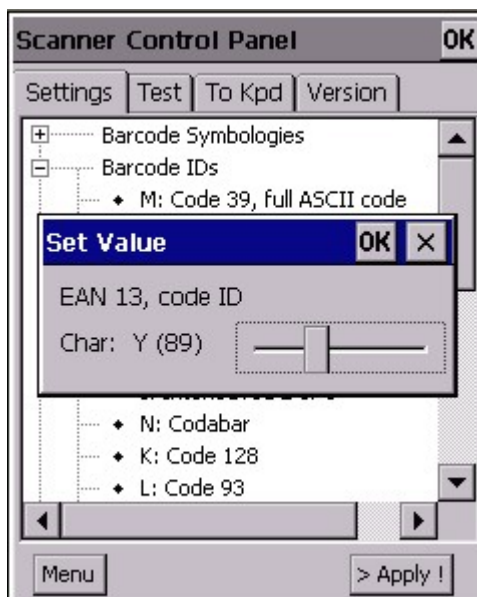
4. Tap “+” to expand the tree. Under each barcode type, there are more options such as enable/disable, check digit verification, transmit check digit etc. Tick the options that you want to apply on that barcode. Then, tap “Apply” button.



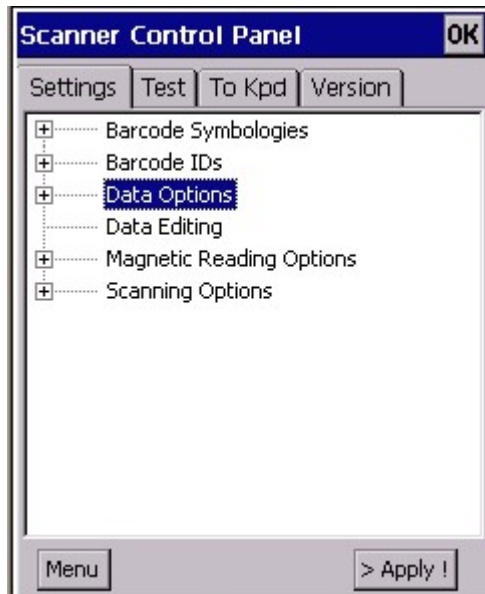
5. The scanner decoder will work as what you have specified.
6. Tap “Barcode IDs”. A list of barcode type is shown with their IDs in front.



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

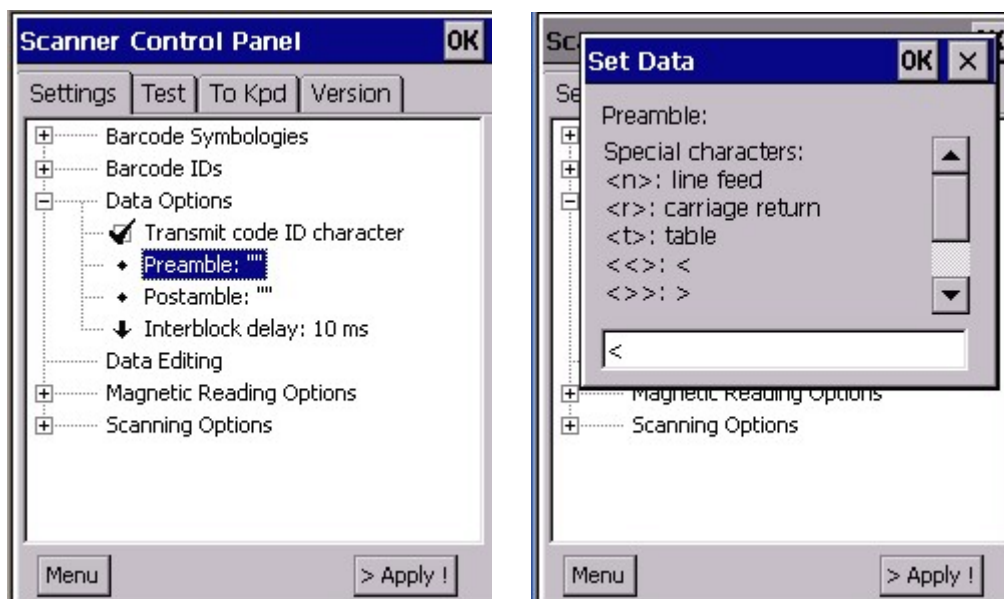


8. Tap "Data Options".

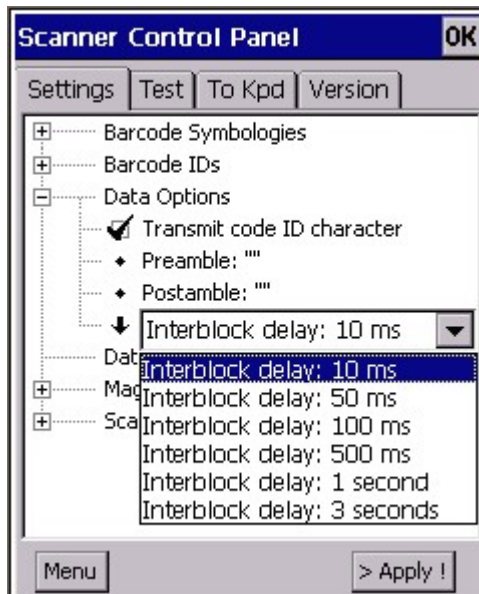


9. Tap “Transmit code ID character” if you want to transmit code ID.

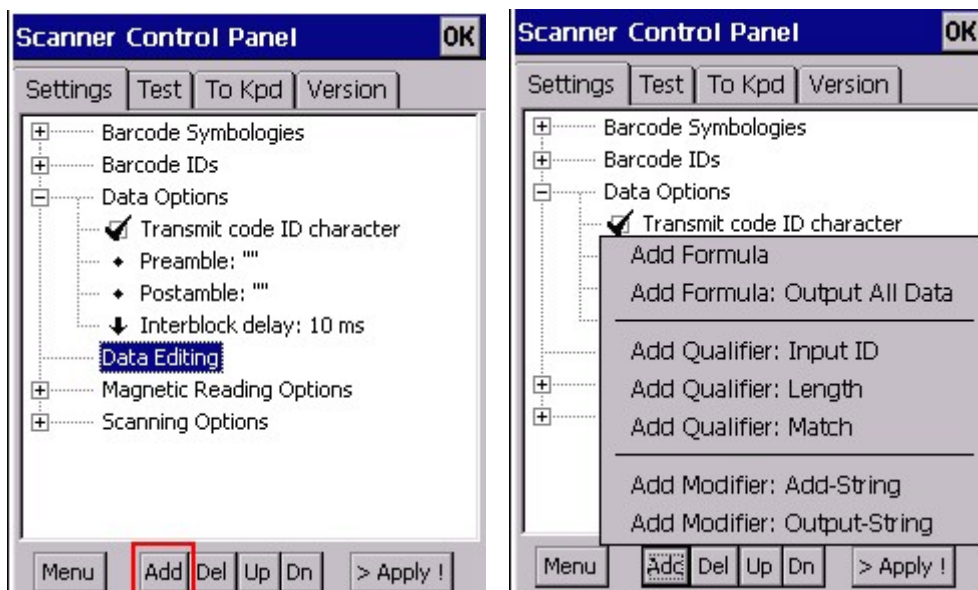
10. Double tap “Preamble” or “Postamble” if you want to add them to the barcode. Key in the special character stated in the Set Data window. Tap “OK”.



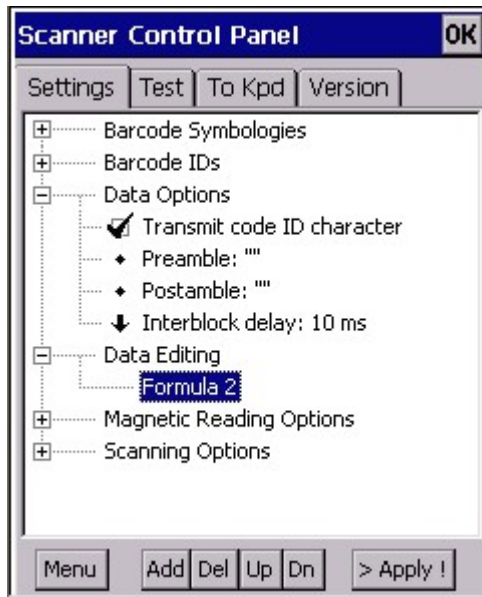
11. Double tap “Interblock delay”. Select the delay time from the drop down list.



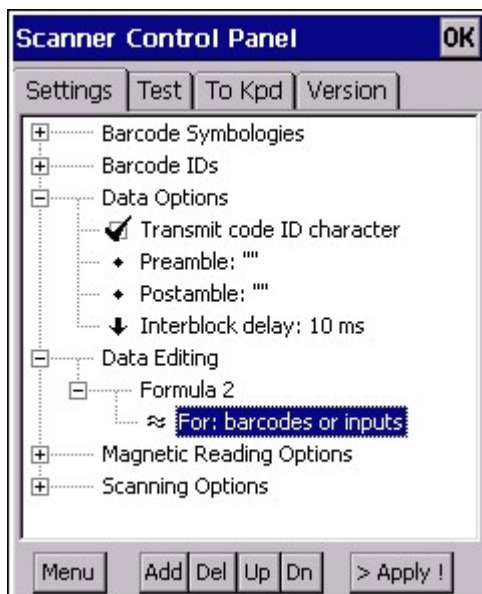
12. Tap “Data Editing”. Tap “Add” at the bottom. A menu will pop up.



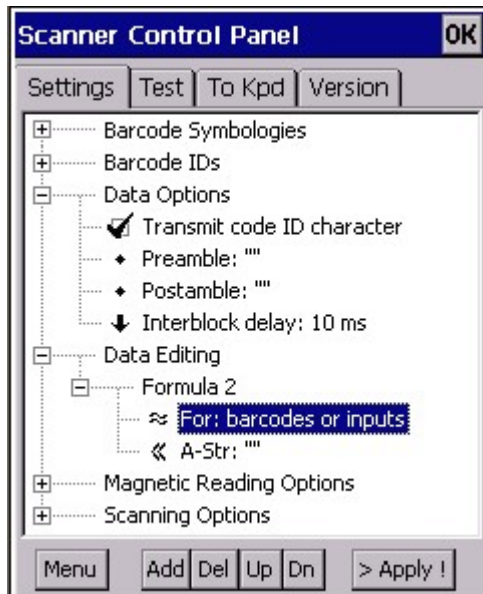
13. Select “Add Formula” or “Add Formula: Output All Data”. A formula will be added under “Data editing”.



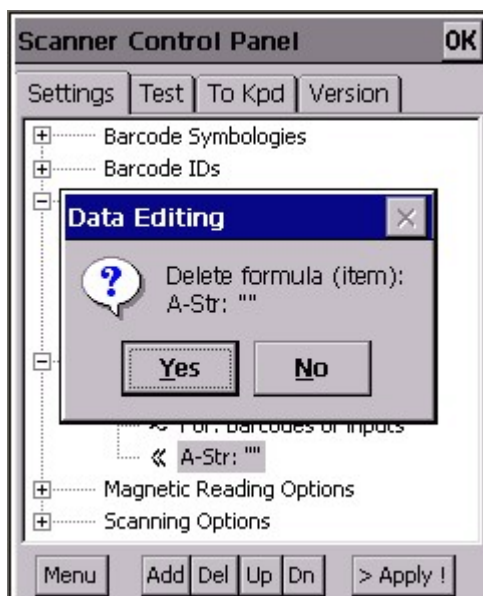
14. Tap “Formula 2”. Tap “Add” button. Select “Add Qualifier”.



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

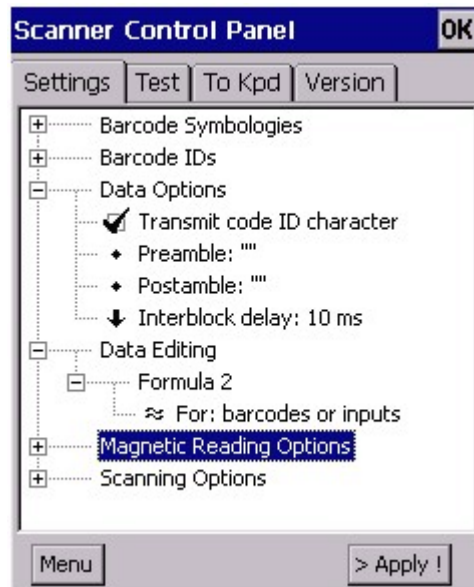


16. To delete a formula or qualifier or modifier, just tap it and tap “Del” button.

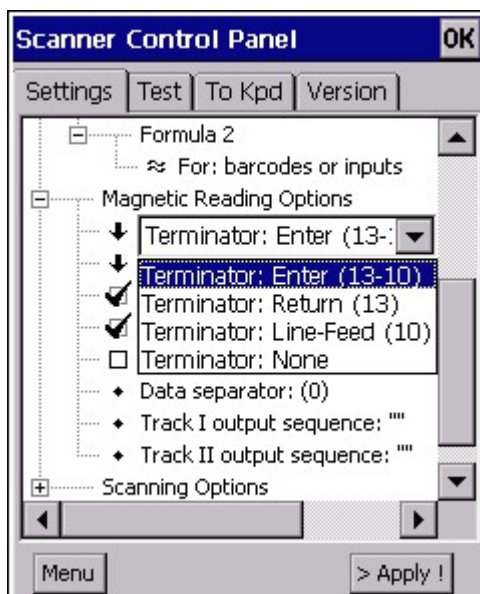


17. To add additional formula , just tap “Data Editing”, tap “Add” and select “Add Formula”.

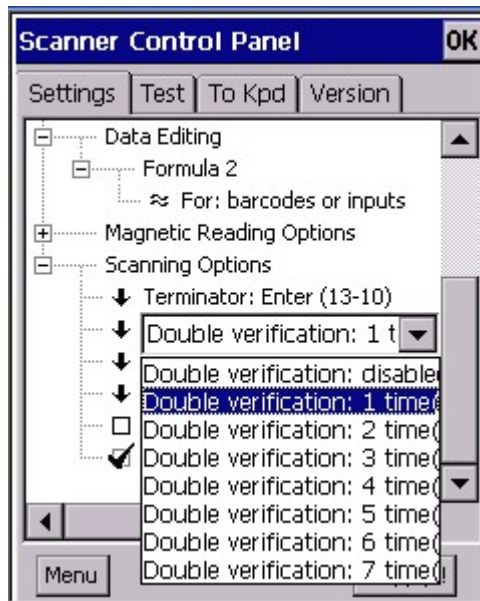
18. Double tap “Magnetic Reading Options”. (The effect will only work for PA970 CE.NET -MSR model).



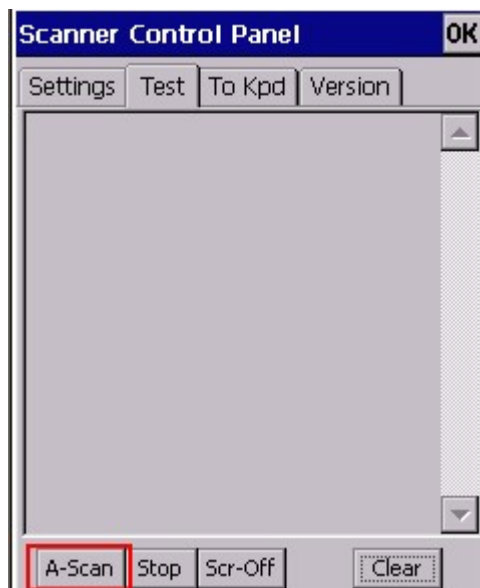
19. Double tap the options below “Magnetic Reading Options” to make settings.



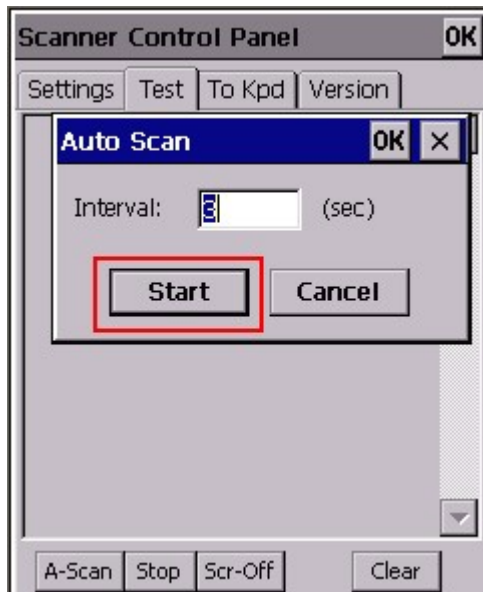
20. Tap “Scanning Options”. Double tap options below to make setting.



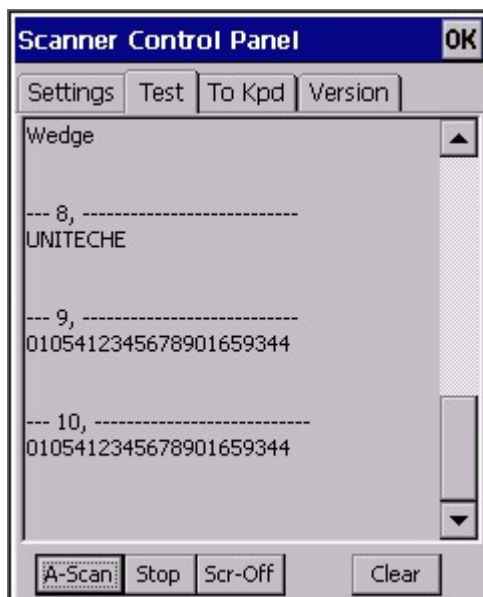
21. Under "Test" tab, tap "A-Scan" button at the bottom.



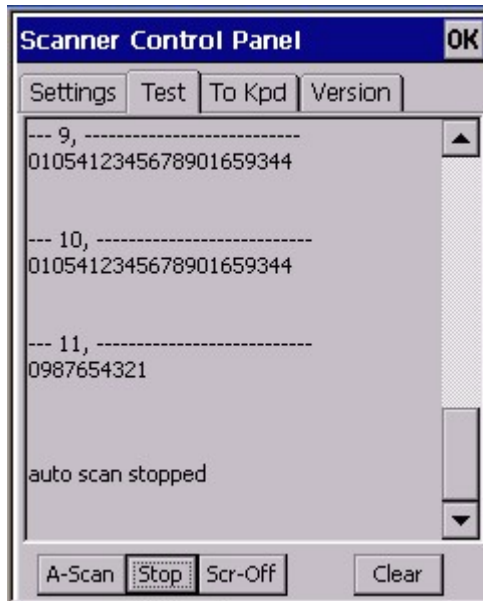
22. Set the interval time you want the laser to emit. (Ex: 3 seconds). Tap "Start".



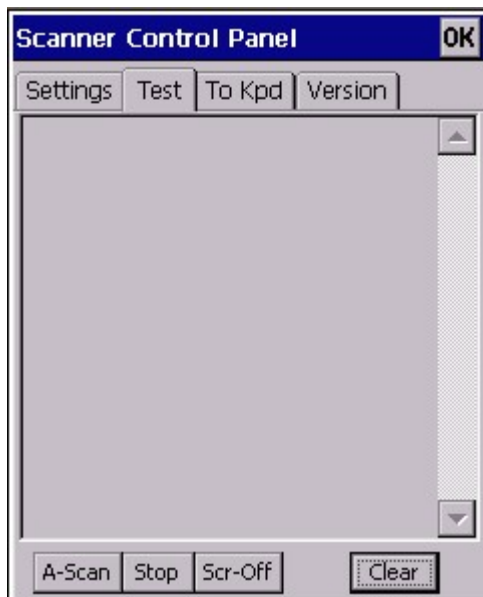
23. Laser emit every 3 seconds. Place the laser head towards to the barcodes. Barcode will be read and shown on the screen.



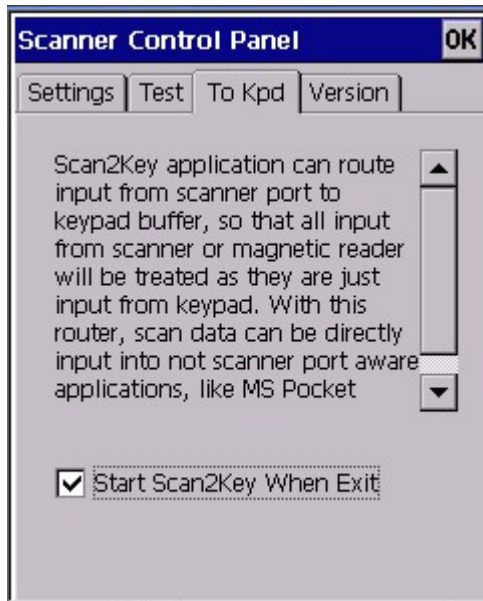
24. Tap "Stop" button. This will stop to emit the laser.



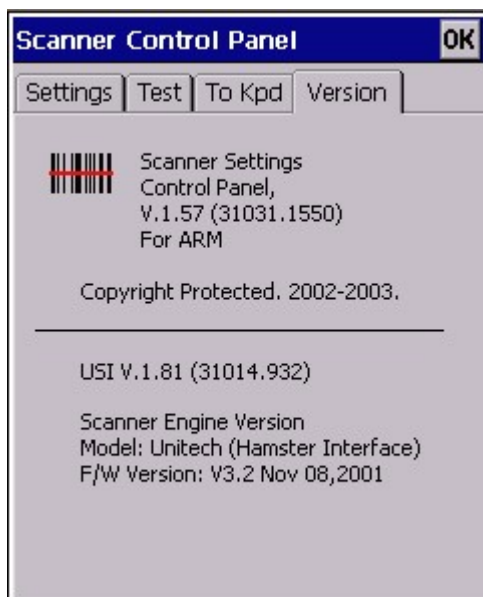
25. Tap “Clear” button. The screen of “Test” will be cleared.



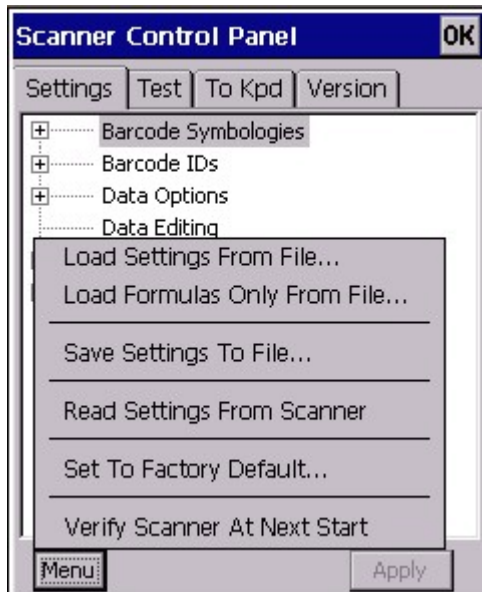
26. Under “To Kpd” tab, tick “Start Scan2key When Exit”. Then, tap “OK”. Scan2Key icon will appear at the task bar.



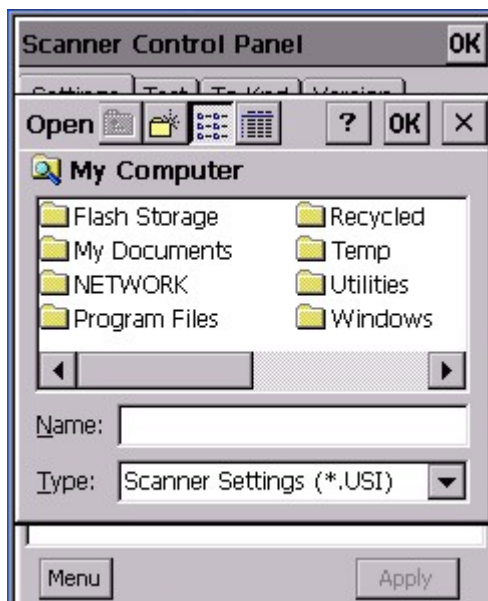
27. Tap “Version” tab, the screen will show the general information of Hamster decoder.



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)



30. Select “Save Settings to File”. Save the current scanner setting as *.USI file.



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



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

2.4 Virtual Keys

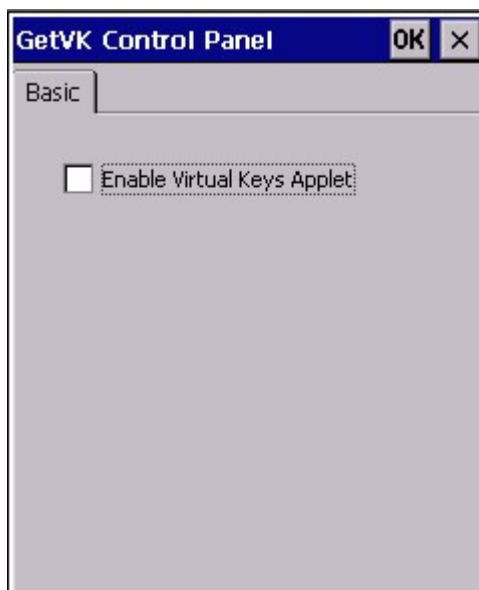
Path: Control Panel/Virtual Keys.exe

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

1. Tap “Virtual Keys”.



2. Uncheck “Enable Virtual Keys Applet”. Tap “OK”.



3. Open pocket word and test alpha keys. Press “alpha” key and press numeric

key. The characters output are non-alpha keys.

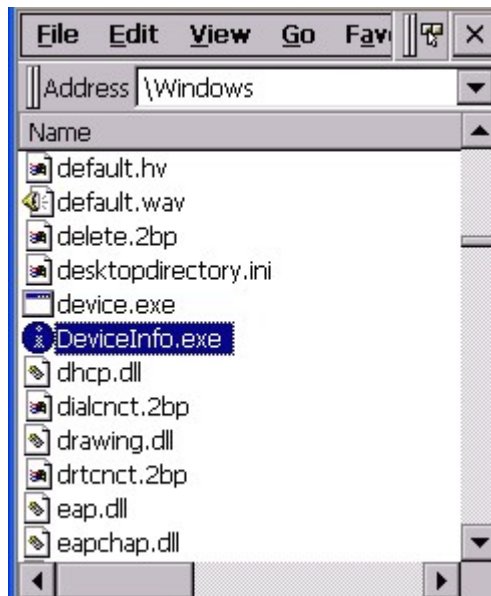
4. Back to step 2. Tick “Enable Virtual Keys Applet”. Tap “OK”. The alpha keys are enabled again.

2.5 Device Info

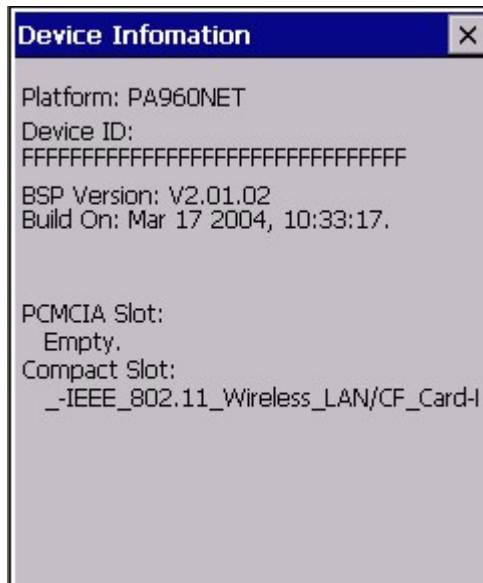
Path: /My Computer/Windows/DeviceInfo.exe

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

1. Double tap “DeviceInfo”.



2. Device information is shown as below:



2.6 GetVK

Path: /My Computer/Windows/GetVK.exe

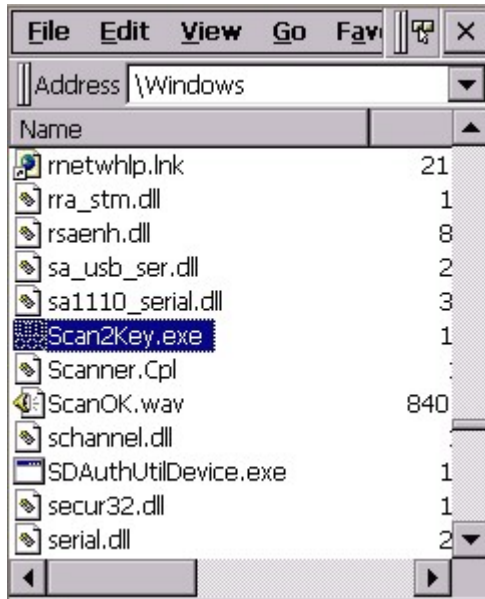
This tool is a keyboard driver that generate standard keyboard event. It is automatically executed every time the terminal is power on.

2.7 Scan2Key

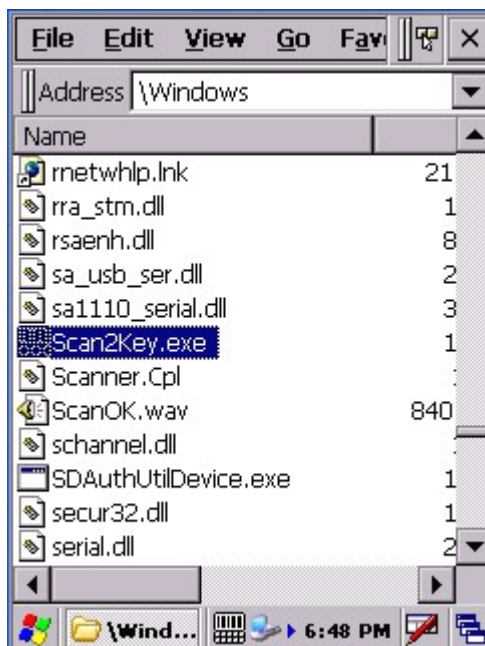
Path: /My Computer/Windows/Scan2Key.exe

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.

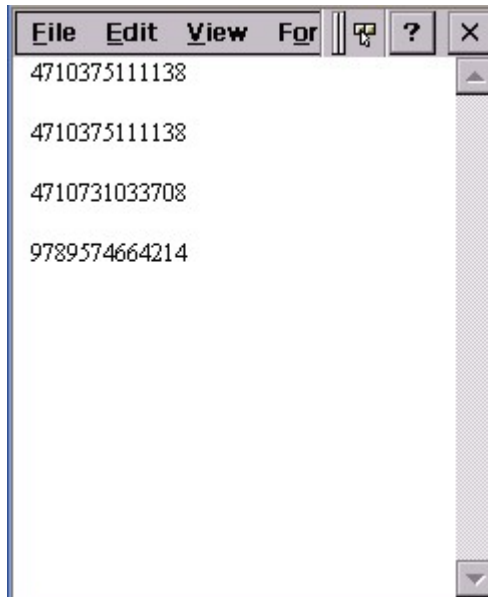
1. Double tap "Scan2Key".



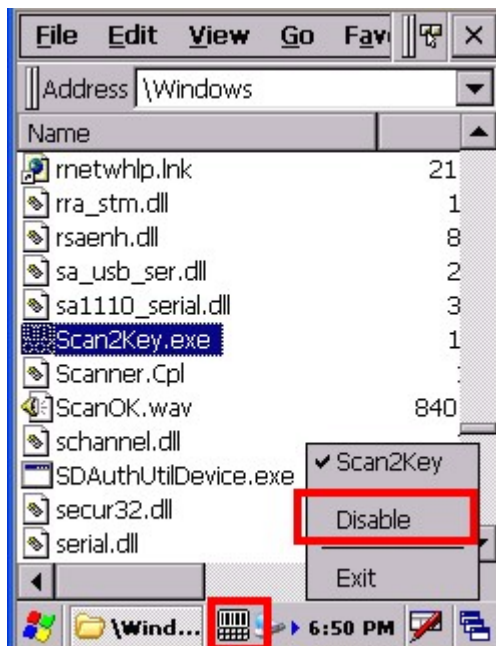
2. You will see Scan2Key icon on the task bar. Scan2Key is enabled.



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”.



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

Chapter 3 Tools and Applications under “Windows”

Tools and Applications under “My Computer/Windows”

- 1. ActiveNet**
- 2. Calibration**
- 3. connmc**
- 4. Image Viewer**
- 5. MSTSC**
- 6. pdfviewer**
- 7. pegterm**
- 8. pmail**
- 9. presviewer**
- 10. pword**
- 11. Regview**
- 12. repllog**
- 13. Taskman**
- 14. visadm**
- 15. wceload**
- 16. xls**
- 17. Screen Rotation**
- 18. WMAGS46**

3.1 ActiveNet

Path: My computer/Windows/ActiveNet.exe

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

1. Under “Control panel” > “System” > Device Name, type a name for the device. (Example: WINNET)



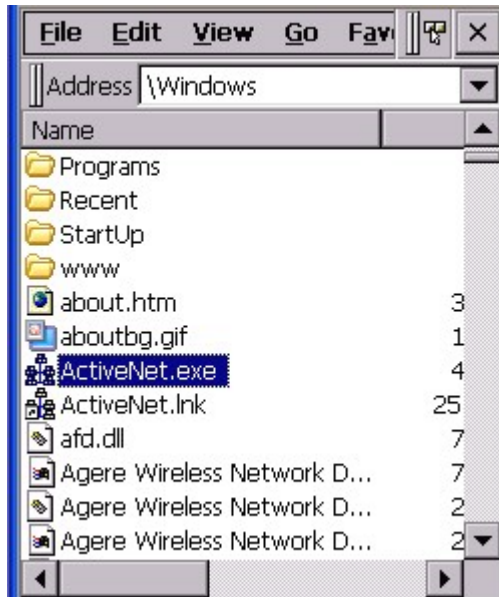
2. Tap “PC Connection”. Tap “Change connection”. Select “USB to PC”.



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: WINNET, 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”.



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”.



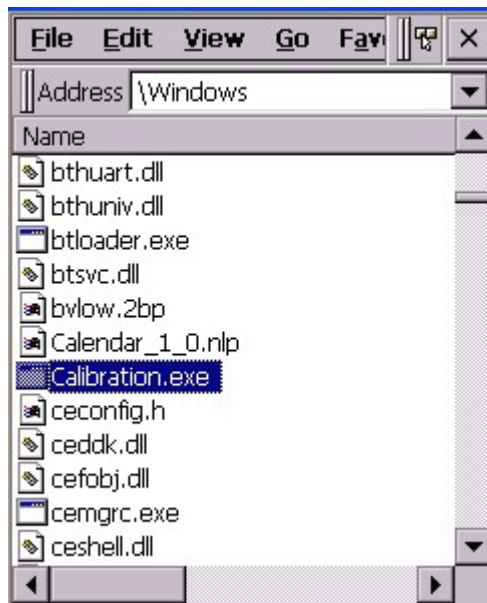
15. Tap “Disconnect” to disconnect the communication.

3.2 Calibration

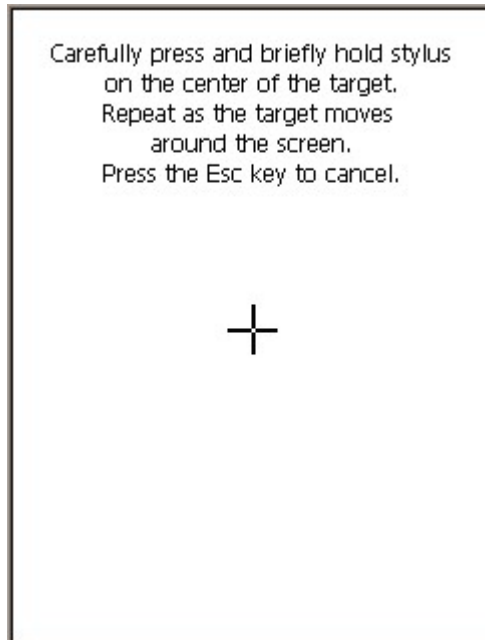
Path: My computer/Windows/Calibration.exe

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.

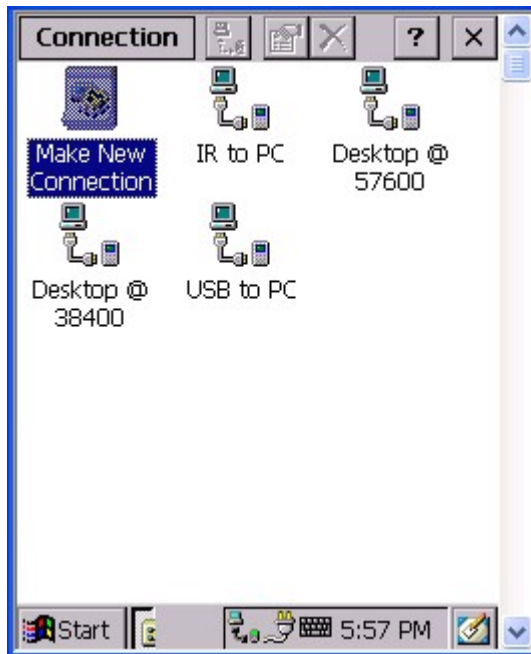


3.3 connmc

Path: /My Computer/Windows/connmc.exe

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

1. Select "My Computer/Windows/connmc.exe".
2. Double tap "Make New Connection".



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



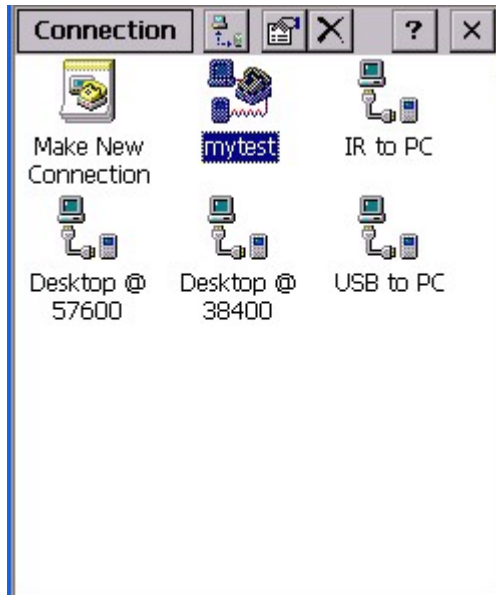
5. Select a modem. Select the type of the GPRS PC card you are using.
6. Tap "Configure".



7. Set the port settings.
8. Set the call options.
9. Tap "OK".
10. Tap "Next".
11. Key in the phone number. Tap "Finish".



12. A new connection is added.



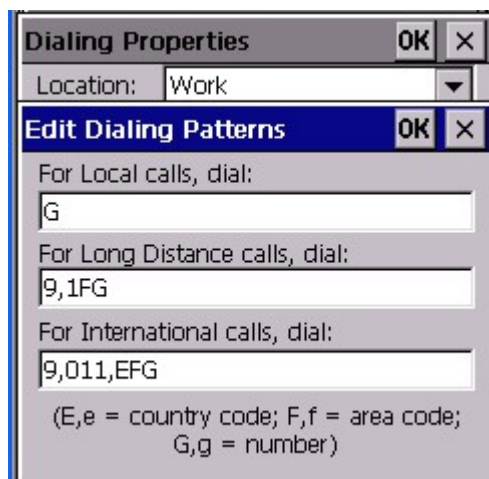
13. Double tap this new connection. Tap “Dial Properties”.



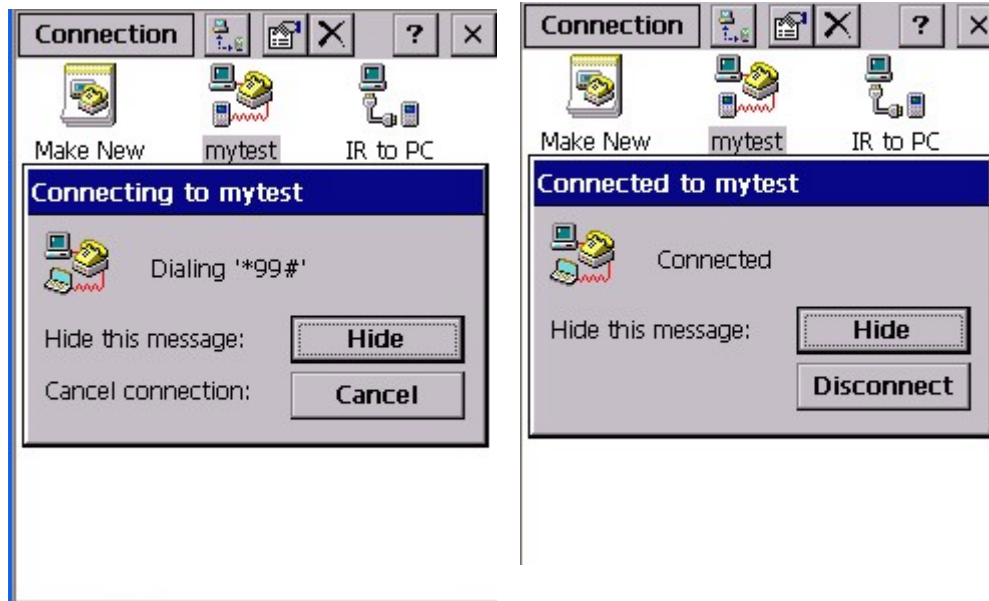
14. Tap “Edit”.



15. Edit the dialing patterns. Tap “OK”, “OK”.



16. Tap “Connect”.



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

3.4 Remote Desktop Connection

Path: Desktop/Remote Desktop Connection

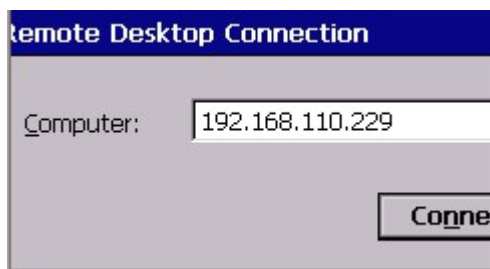
This tool allows multi user to telnet and login to a RDP host server. (Your terminal must connect to the network)

*Note: Must install RDP in the host first.

1. Double tap "Remote Desktop Connection".



2. Key in the IP address of the RDP host in “Computer” field. Tap “Connect”.



3. Terminal login to RDP host.