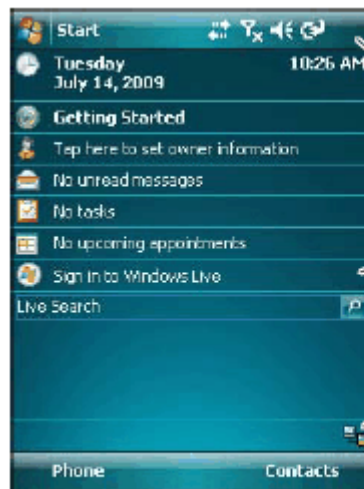




Touchscreen Calibration

If the touchscreen is not responding properly to stylus touch taps, the touchscreen may need to be recalibrated.

- 1) Tap the Start button in the upper left corner of the system tray.
- 2) Select "Settings", then "System".
- 3) Tap the Screen icon
- 4) Tap the Align Screen button.
- 5) Follow the instructions on the screen.












Status bar

Today screen

Command bar

The Windows Mobile Today Screen

Computer Screen Icons

Icon	Description
	The battery is full.
	The battery is low. You need to replace or charge the battery very soon.
	The battery is charging.
	The volume is turned off. To turn the volume back on, tap this icon and choose your setting.
	The computer is connected to the network.
	The computer is not connected to the network.
	The 802.11b/g radio is connected to the wireless network.
	The computer is connected through the USB port to your desktop PC.
	The iConnect application icon. Tap it to set up Ethernet or Wireless settings.

**

**** If it's not found on the command menu bar from the desktop, to get to Iconnect in CN3 WM6.1: Start | Settings | Connections | Wireless Manager**

Set Date/Time/Time Zone

- 1) Tap the Start button in the system tray.
- 2) Select “Settings”, then “Clock and Alarms”.
- 3) Home – Select Central Standard time to set time zone.
- 4) Set the current date, time.
- 5) OK or Exit from x at the top right of the screen to save and close the screen.

Set Backlight Power

- 1) Tap the Start button in the system tray.
- 2) Select “Settings”, then “System”, then Backlight.
- 3) Battery Power – Turn off if not used for 3 minutes (user option).
Dim if not used for 15 sec (user option)
Turn on if button press or screen tap.
- 4) External Power - Turn off if not used for 10 minutes (user option).
No Dimming
Turn on if button press or screen tap.

Check Power Settings

- 1) Start | Settings | System
- 2) Tap the Power icon – power settings display

Turn on ScanWedge

- 1) The ScanWedge Utility is active by default.

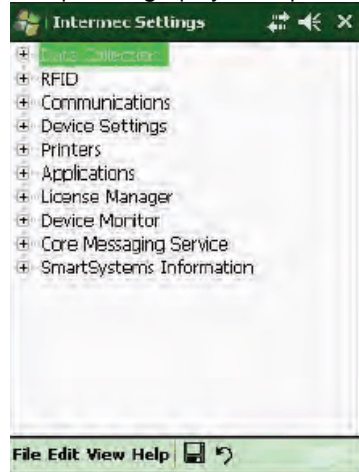
Configure CN3 Bluetooth:

- 1) Start | Settings | Connections | Bluetooth | Mode
- 2) Check “turn Bluetooth on”
- 3) Select “devices” tab
- 4) Select “add new device”
- 5) Search should find the available devices
- 6) Select the device you want
- 7) Select “next”
- 8) Enter the appropriate passcode for the device, typically “0000”
- 9) Select “next”
- 10) For services, check “serial” box
- 11) Message may say “device added”, Save
- 12) Select “com ports”
- 13) Select “new outgoing port”..... The device you wish to connect to will display
- 14) Select “next”
- 15) Select com port wanted (*may be com port 4*)
- 16) **UNCHECK** secure communications
- 17) Save and exit

Append Carriage Return to Barcode scan

If the screen cursor does not advance to the next data field in your application after scanning a barcode, you need to append a carriage return to the barcode scan.

- 1) From the Desktop, Start | Settings | System | Intermec Settings |



- 2) Select "Data Collection"
- 3) Internal Scanner
- 4) Select "Symbology Options"
- 5) Select "Post Amble"
- 6) Enter "\x0D" for a Carriage Return
- 7) Save your changes

APPENDIX 1

Install custom software applications

Microsoft Active Sync Installation (For Windows XP)

- 1) Locate a copy of the latest version of Active Sync for your computer system. The correct version is available from Microsoft's WEB site or a copy is included on your CD. Version 4.5 is the latest from Microsoft as of this printing.
- 2) Look for the installation file (i.e. activesync_setup.msi) and run it. We recommend that you follow the installation instructions and accept the standard default settings during your install.
- 3) Leave Active Sync running to install and connect your handheld computer.

NOTE: Some users may use a single PC to connect multiple handheld computers. If this is the case, it is best to setup your PC to recognize each handheld as a "Guest". This avoids having Active Sync loading shared data from your Outlook and other PC applications. To set all connected handhelds as a Guest, please double-click and run the provided "GuestOnly.reg" file. It will instantly update your system for future connections.

Windows Mobile Device Center Installation (For Windows Vista or Windows 7)

- 1) Locate a copy of the latest version of Windows Mobile Device Center for your computer system. The correct version is available from Microsoft's WEB site or a copy is included on your CD.
- 2) Look for the installation file (i.e. drvupdate-x86.exe) and run it. We recommend that you follow the installation instructions and accept the standard default settings during your install.

Install GigaTrak Handheld Application

The handheld application files can be found in the PocketPC folder of your installation CD (or was provided to you via email).

- 1) Connect the handheld docking station to your computer (typically a USB connection) and plug in the AC power cable.
- 2) Put the handheld in the dock and wait for it to sync with the PC.
- 3) On the handheld, to locate the application file directory:
Start | Programs | File Explorer
Select "my device" drop down arrow
Select "flash file store" (This will be the storage area for the GT application)
- 4) On the PC, select the designated *.cab file : [uss_shop.cab](#)
Copy this cab file to the "flash file store" directory on the handheld.
Once the file is copied, disconnect the USB cable.
On the handheld, click the file to run it – this will install the application on the handheld.
- 5) Exit out to the main desktop screen on the handheld.
- 6) *Start | Programs | USS_Shop* to run the application

APPENDIX 2

Reboot Terminal

Re-Boot Terminal:

Rarely does the CN3 require resetting, but if it does not respond properly, a reset may be necessary. Perform a warm boot first and see if that fixes the problem. If it does not, then perform a cold boot.

Warm Boot the Handheld (Preferred Reset Method)

Press and hold the **Power** button for about 10 seconds. The unit screen will systematically shut down, restart and go through the initialization process.

Cold Boot the Handheld (Secondary Reset Method)

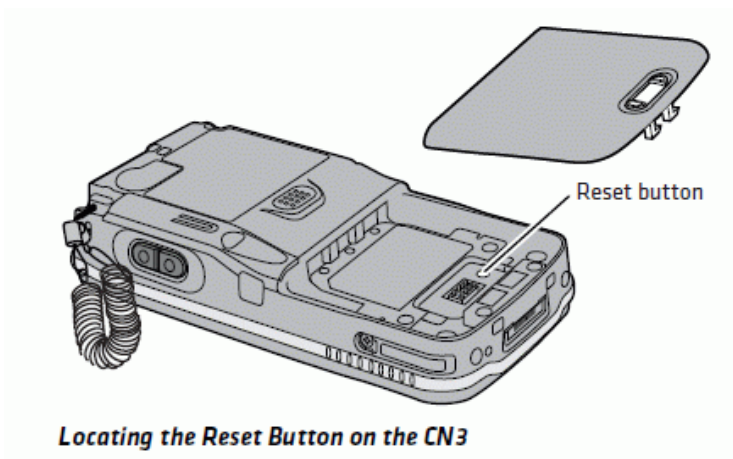
Cold booting is only recommended if the computer completely stops responding. Cold booting the CN3 may result in data loss. Configuration and network settings will be preserved.

To Cold Boot, press the **Power** button to suspend the terminal.

Remove the battery pack.

Use the stylus to press the Reset button on the back of the CN3.

Replace the battery and the CN3 will cold boot:



Locating the Reset Button on the CN3

When Cold Boot is complete, the Today screen will appear.

Set the date and time after each cold boot to ensure that the system clock is accurate.

APPENDIX 3

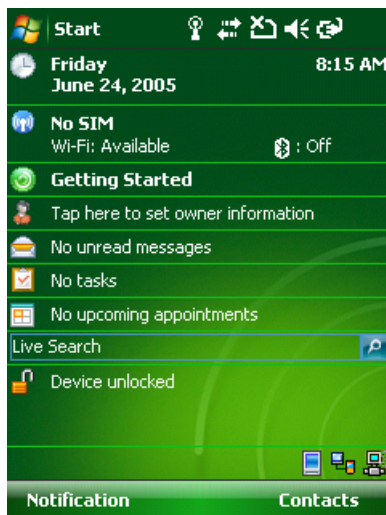
Intermec Settings Utility

To use Intermec Settings

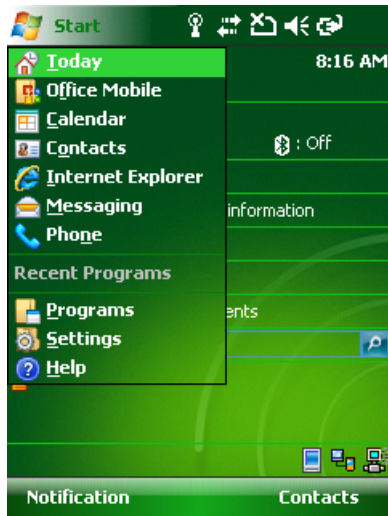
- 1 On the CN3, tap **Start** > **Settings** > the **System** tab > **Intermec Settings**.



Specific Steps to get to Intermec Settings from the Start Screen:
Select **Start**



Select Settings



Pick the **System** Tab & Select the **Intermec Settings** icon



APPENDIX 4

Configure the Wireless Network using Funk Security & Intermec Settings

Configure the Wireless Network / IP / Security parameters

1) Configure the Wireless network with Funk security:

1) Select a Security Choice (option - FunkSecurity)

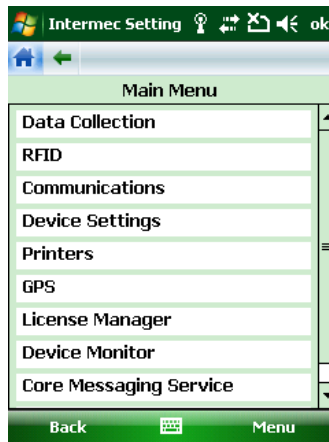
(Side Note: Funk is required if using 802.1x LEAP security)

(If using 802.1x PEAP, option to implement is also available in

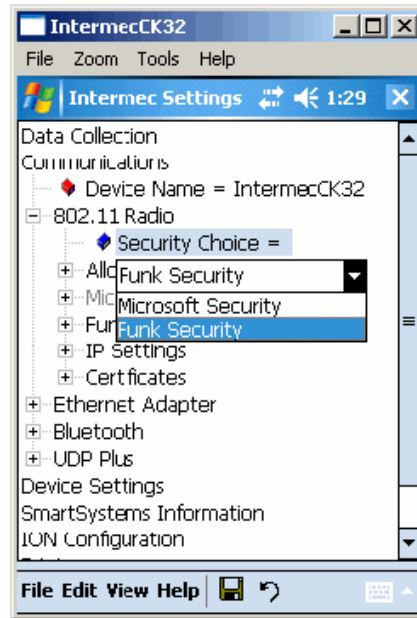
Appendix 6)

- 1) From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > Security Choice**

Intermec settings screen:



Funk Security is the default on a new unit, *but if it is not*, Select **Funk Security** from the drop-down.



*Changes to the security may result in an alert box appearing, indicating a warm boot is needed, If so, Tap **Yes** to warm boot the unit.*

2) Configure IP settings:

- 1) From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > IP Settings**

Configure for DHCP (default) or Static IP

If Static IP, you will need to provide the necessary network IP information:

Static IP
 subnet mask
 router (if applicable)
 primary and secondary DNS or WNS router
 (if applicable)

3) Select a Profile for Security.

- 1) From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > Funk Security**
- 2) Select **Active Profile**, choose a profile from the list and save your settings.
- 3) Tap on the active profile to expand it.
- 4) Give the profile a meaningful name:

Select the Profile Label and a text box appears
 Select the text in the box, type in a name, save your settings

- 5) Select one profile as the active profile by tapping **Active Profile** and choosing the profile from the drop-down list.
- 6) Save your settings. Exit to the Homescreen.

4) **Configure Security**

A - (WPA or WPA2)

- 1) From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > Funk Security > Profile**
- 2) For **Association**, choose **WPA** or **WPA2**, press **Enter**
Encryption automatically defaults to TKIP if using WPA.
WPA2 uses AES.
- 3) For **8021x**, choose **None**.
- 4) For Pre-Shared Key, *enter the pre-shared key or passphrase*.
Pre-shared key may be given in hexadecimal by *prefixing a string of 64 Hex digits with 0x* for a total of 66 characters, **or** by entering a passphrase of (of your choosing) that is 8 to 63 characters.
- 5) Save your settings.

B – 802.11x (LEAP, PEAP, TTLS, TLS, EAP-FAST)

- 1) From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > Funk Security > Profile**
- 2) For **Association**, choose **WPA** or **WPA2**, press **Enter**
Encryption automatically defaults to TKIP if using WPA.
WPA2 uses AES.
- 3) For **8021x**, choose: TTLS, PEAP, **LEAP**, EAP-Fast, or TLS
Press **Enter**
 - a) If you choose **LEAP**
For **Association**: Choose Open, WPA, WPA2 or Network EAP, press **Enter**

Encryption defaults to **TKIP** for **WPA**, defaults to **AES** for **WPA2**
For **Prompt for Credentials**, choose **Enter Credentials Now**
Tap **User Name**, enter username, Press **Enter**
Tap **User Password**, enter password, **press Enter**
Save settings and **Exit** Intermec settings.

- b) If you choose TTLS or PEAP
For **Prompt for Credentials**, choose **Enter credentials now**
Tap **User Name**, enter username, Press **Enter**
Tap **User Password**, enter password, **press Enter**
For **Validate Server Certificate**, choose **Yes**, press **Enter**
(Note: DATE MUST be correct on the terminal when you enable Validate Server Certificate)

- c) If you choose TLS
Load user and root certificate (following instructions in CN3 user manual for “Loading a Certificate”

Enter **User Name** and **Subject Name**
For **Validate Server Certificate**, choose **Yes**, press **Enter**
Save settings and **Exit** Intermec settings.
(Note: additional security levels are available)

(The CN3 is capable of supporting other wireless security options. If your network uses other security, reference the CK32 Users Manual. The manual is available, online, from www.intermec.com and located under “Support” > “Manuals”

APPENDIX 5

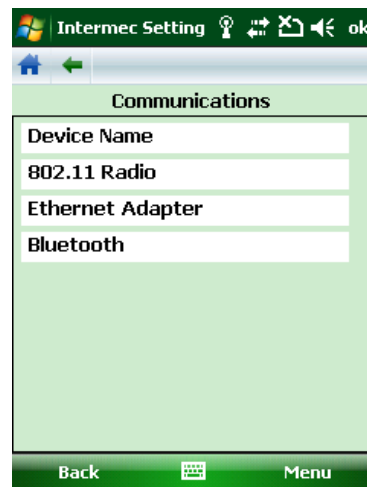
Configure the Wireless Network using Funk Security & Profile Wizard or iConnect

Configure the Wireless Network / IP / Security parameters

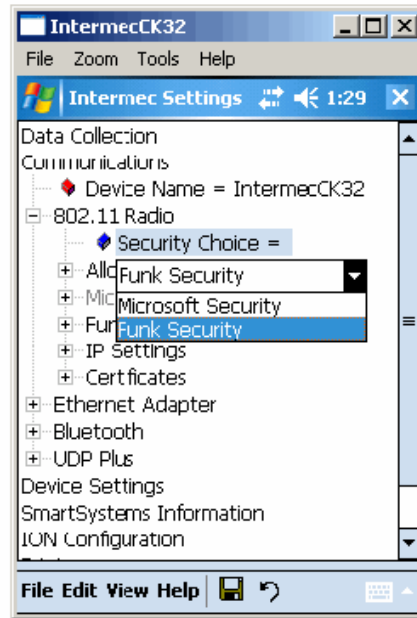
1) Configure Funk Security:

- 1) From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > Security Choice**

Intermec settings screen:



Funk Security is the default on a new unit, but if it is not, Select **Funk Security** from the drop-down.



*Changes to the security may result in an alert box appearing, indicating a warm boot is needed, If so, Tap **Yes** to warm boot the unit.*

2) Configure IP settings:

From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > IP Settings**

Configure for DHCP (default) or Static IP

If Static IP, you will need to provide the necessary network IP information: Static IP

subnet mask

router (if applicable)

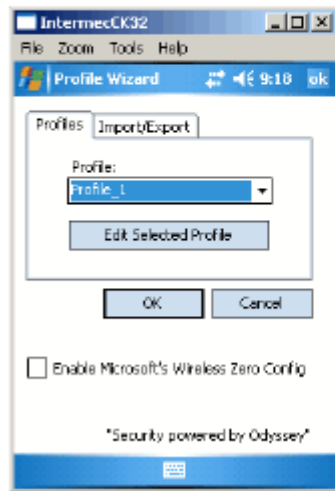
primary and secondary DNS or WNS router
(if applicable)

3) Configure a Profile for Security via Profile Wizard

If it's not found on the command menu bar from the desktop, to get to Iconnect in CN3 WM6.1: **Start | Settings | Connections | Wireless Manager:**

Tap the iConnect icon () icon in the lower right corner of the screen and select **Tools > Wireless Settings**.

The Profile Wizard appears on the screen.



From the **Profile** list, select the profile you want to

Tap **Edit Selected Profile**.

Optional, give the profile a meaningful name by selecting text in Profile Label text box and typing in a meaningful name.

From the **Network type** list, select either **Infrastructure** (or) Ad Hoc. *Select infrastructure if the network uses access points, or Ad Hoc to set up a private network with one or more other computers.*

Enter the **SSID (wireless network name)** if different than the profile name.
Tap OK Tap **OK**.

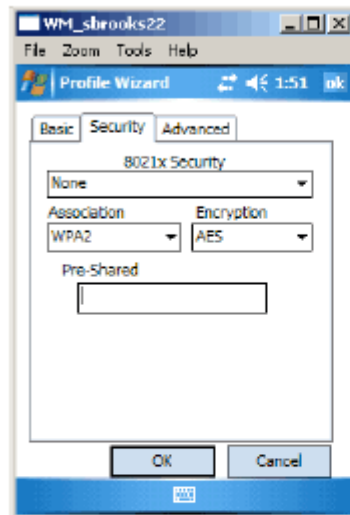
4) **Select WPA or WPA2 Security via Profile Wizard:**

Configuring WPA-PSK Security With Profile Wizard

- 1 In the Profile Wizard, select the Security page.
- 2 For 8021x Security, choose None.
- 3 For Association, choose WPA.
- 4 For Pre-Shared Key field, enter the passphrase as ASCII. The passphrase must be 8 to 63 characters and match the passphrase on the access point.
- 5 Tap OK.

Configuring WPA2-PSK Security With Profile Wizard

- 1 In the Profile Wizard, select the Security page.



- 2 For 8021x Security, choose None.
- 3 For Association, choose WPA2.
- 4 For Pre-Shared Key field, enter the passphrase as ASCII. The passphrase must be 8 to 63 characters and match the passphrase on the access point.
- 5 Tap OK.

(The CN3 is capable of supporting other wireless security options. If your network uses other security, reference the CK32 Users Manual. The manual is available, online, from www.intermec.com and located under "Support" > "Manuals")

APPENDIX 6

Configure the Wireless Network using Microsoft Security & Intermec Settings

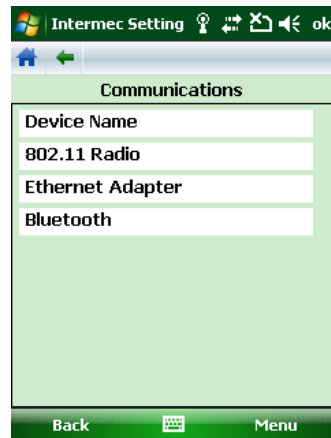
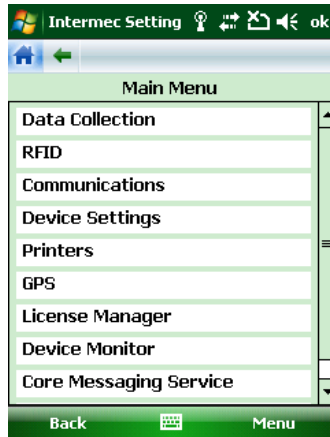
Configure the Wireless Network / IP / Security parameters

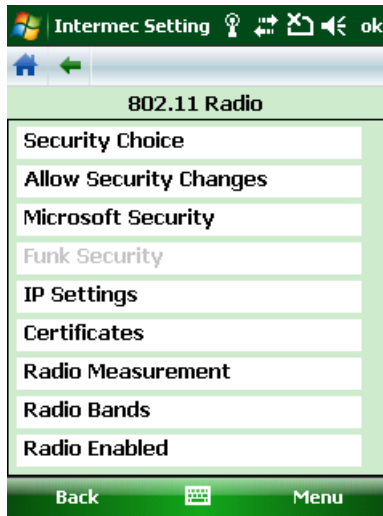
1) Configure the Wireless network with Microsoft Security:

(Side Note: Microsoft Security may required if using 802.1x PEAP security)
 (If using 802.1x LEAP, option for setup via Funk Security is available in Appendix 4)

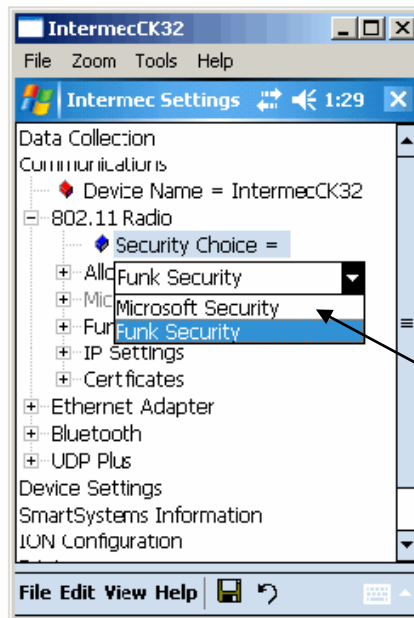
- 1) From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > Security Choice**

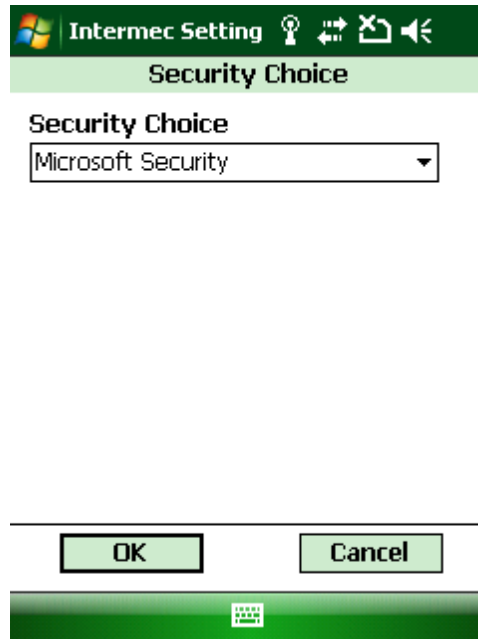
Intermec settings screen:



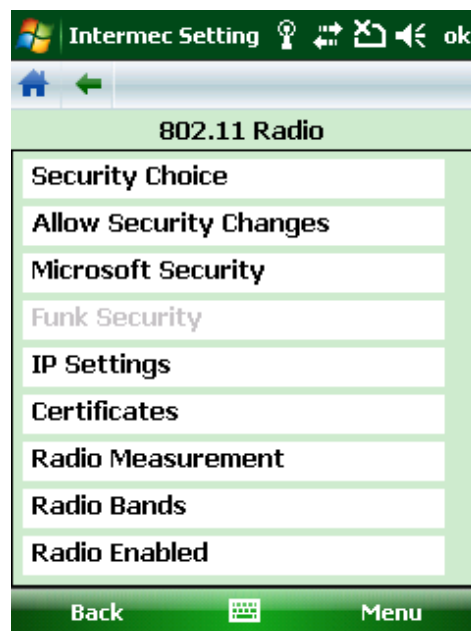


Funk Security is the default on a new unit, so ***you will need to select Microsoft Security***. Changes to the security will require a warm reboot of the terminal.

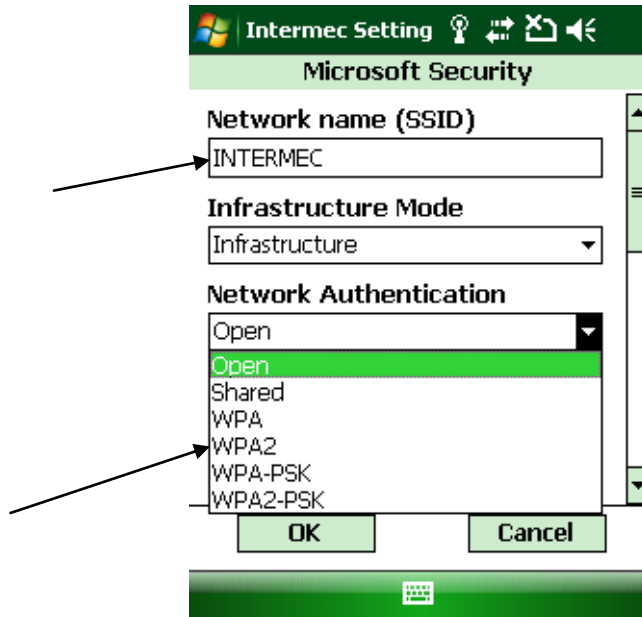




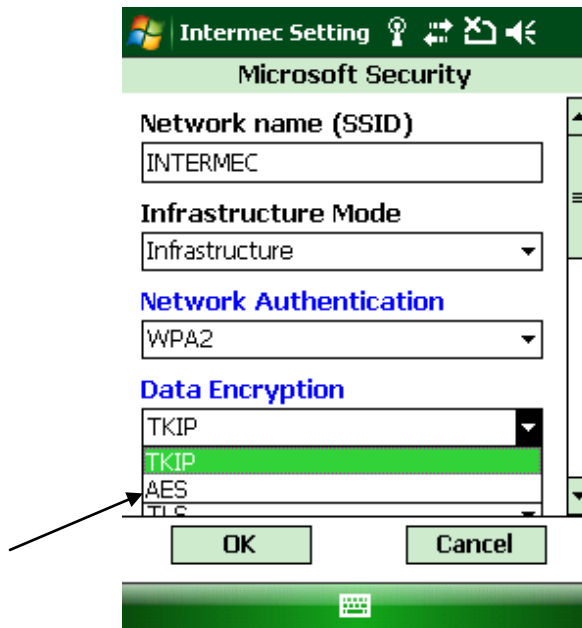
Select Microsoft Security



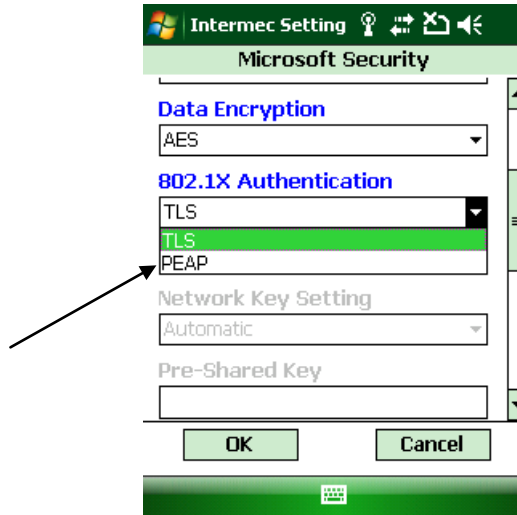
- 2) **From** Network name (SSID), **Enter** the name of your wireless network.
- 3) **From** Network Authentication, **Select** WPA2



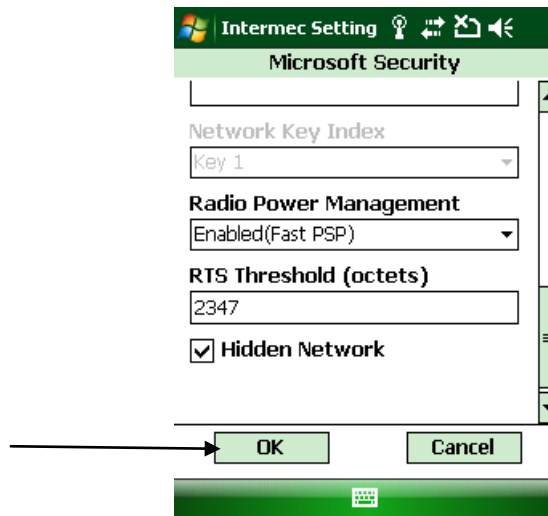
- 4) **From** Data Encryption, **Select** AES



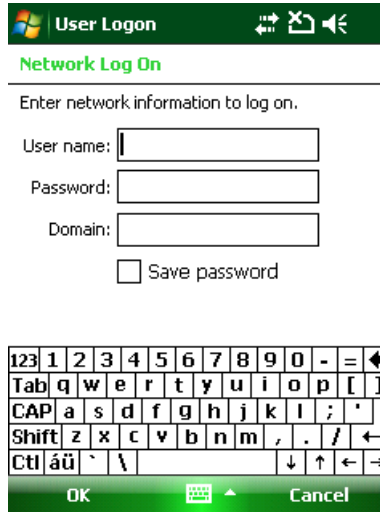
5) From 802.1X DAuthentication, **Select PEAP**



6) **Scroll** down to the bottom of the screen.
Select OK



IF your network is set for DHCP (and the terminal is defaulted to DHCP, you should expect, after a brief period, to see the following User Logon Screen. You should see the two arrows at the top of the screen, with no “x” below them. This indicates you have the wireless connection.



User Logon

Network Log On

Enter network information to log on.

User name:

Password:

Domain:

Save password

123	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	á	ü	` \					↓	↑	←	→	

OK  Cancel

2) Configure IP Settings: If you need to Configure or Change IP settings:

- 1) From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > IP Settings**

Configure for DHCP (default) or Static IP

If Static IP, you will need to provide the necessary network IP information:

- Static IP
- subnet mask
- router (if applicable)
- primary and secondary DNS or WNS router (if applicable)

(The CN3 is capable of supporting other wireless security options. If your network uses other security, reference the CK32 Users Manual. The manual is available, online, from www.intermec.com and located under “Support” > “Manuals”

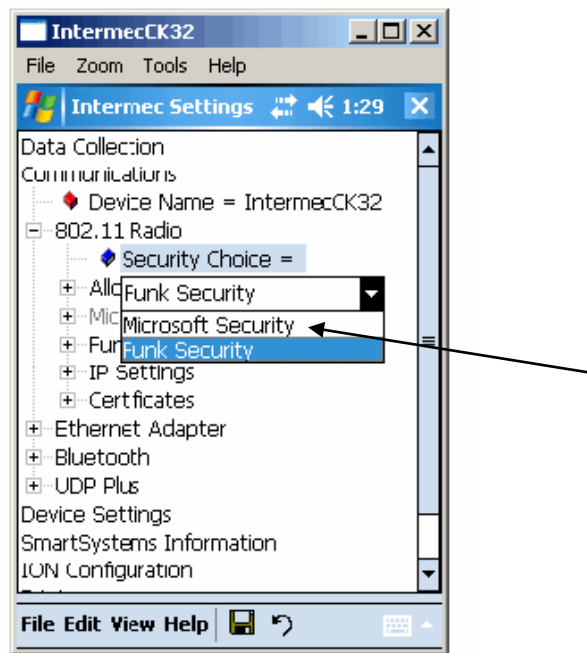
APPENDIX 7

Configure the Wireless Network using Microsoft Security & Profile Wizard or iConnect

Configure the Wireless Network / IP / Security parameters

1) Configure the Wireless network/security:

From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > Security Choice**



Select **Microsoft Security** from the drop-down.

An alert box may appear telling you that you must save the settings and warm boot the terminal for the new security choice to take effect.

Tap **Yes** to warm boot the unit.

2) Configure IP settings:

- 1) From the Homescreen, Select: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > IP Settings**

Configure for DHCP (default) or Static IP

If Static IP, you will need to provide the necessary network IP information: Static IP

subnet mask

router (if applicable)

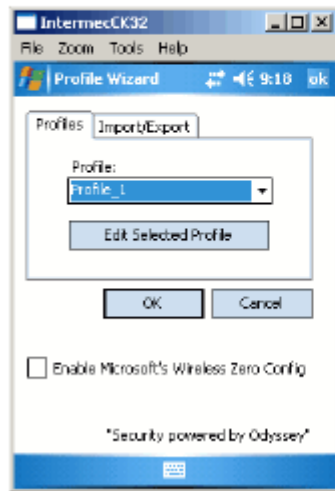
primary and secondary DNS or WNS router (if needed)

3) Select a Profile for Security via Profile Wizard

If it's not found on the command menu bar from the desktop, to get to Iconnect in CN3 WM6.1: **Start | Settings | Connections | Wireless Manager:**

Tap the iConnect icon () icon in the lower right corner of the screen and select **Tools > Wireless Settings**.

The Profile Wizard appears on the screen.



From the **Profile** list, select the profile you want to

Tap **Edit Selected Profile**.

Optional, give the profile a meaningful name by selecting text in Profile Label text box and typing in a meaningful name.

From the **Network type** list, select either **Infrastructure** (or) Ad Hoc. *Select infrastructure if the network uses access points, or Ad Hoc to set up a private network with one or more other computers.*

Enter the **SSID (wireless network name)** if different than the profile name.
Tap OK.

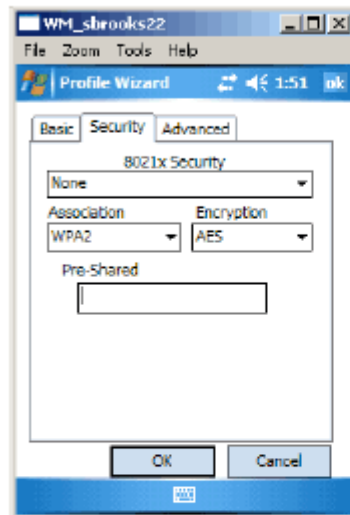
4 - Select WPA or WPA2 Security via Profile Wizard:

Configuring WPA-PSK Security With Profile Wizard

- 1 In the Profile Wizard, select the Security page.
- 2 For 8021x Security, choose None.
- 3 For Association, choose WPA.
- 4 For Pre-Shared Key field, enter the passphrase as ASCII. The passphrase must be 8 to 63 characters and match the passphrase on the access point.
- 5 Tap OK.

Configuring WPA2-PSK Security With Profile Wizard

- 1 In the Profile Wizard, select the Security page.



- 2 For 8021x Security, choose None.
- 3 For Association, choose WPA2.
- 4 For Pre-Shared Key field, enter the passphrase as ASCII. The passphrase must be 8 to 63 characters and match the passphrase on the access point.
- 5 Tap OK.


(The CN3 is capable of supporting other wireless security options. If your network uses other security, reference the CK32 Users Manual. The manual is available, online, from www.intermec.com and located under "Support" > "Manuals")

APPENDIX 8

Using iConnect, you can check the wireless connection status:

If it's not found on the command menu bar from the desktop, to get to iConnect in CN3 WM6.1: Start | Settings | Connections | Wireless Manager:

To check the status of your wireless connection

- 1 Tap the iConnect icon () in the lower right corner of the Today screen.
- 2 From the menu, select **Status > Wireless**. The Wireless Status screen appears and checks the connection.

You can also use iConnect to change any network settings by tapping:


Tools > Wireless Settings from the iConnect menu.

APPENDIX 9

Using iSpyWiFi you can also view available networks and network settings. Select the iConnect Tab at the lower right hand portion of the screen and use it to access iSpyWiFi:

If it's not found on the command menu bar from the desktop, to get to Iconnect in CN3 WM6.1: Start | Settings | Connections | Wireless Manager:

To use IConnect to verify network status

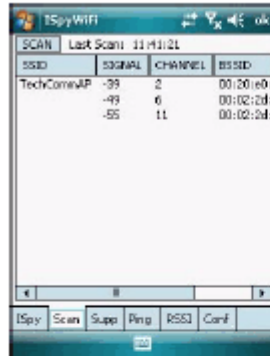
- 1 Tap the iConnect icon () in the lower right corner of the CN3 screen.
- 2 Choose **Status > Wireless**.
- 3 Tap **Advanced**. The diagnostics screen appears.



The **ISpy** tab shows:

- MAC address and IP address of the 802.11 radio.
- network association status, including the SSID and MAC address of the access point.
- security configuration.
- radio transmit power and signal strength information.

- 4 Tap the **Scan** tab to view a list of available 802.11 networks. The list includes the signal strength, channel, and MAC address for each network.



- Tap **Scan** to refresh the screen.

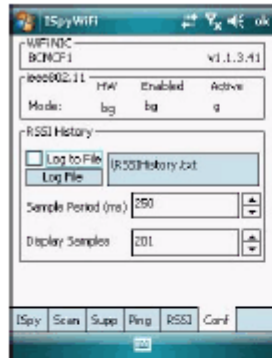
- 5 Tap the **Supp** tab to view radio supplicant information, including a list of supplicant events and authentication status.



- To verify the settings for the currently active security profile, tap **Configure Profile**. The Profile Wizard for the active profile appears.
- To try reconnecting to the network, tap **Reconnect**.
- To delete the events in the list, tap **Clear Events**.

- 6 Tap the **Ping** tab to run a ping test to the host.

8 Tap the **Conf** tab to set up a log file that lists RSSI history.



This screen includes the 802.11 radio driver version and available radio modes.

To create a log file:

- a** Check the **Log to File** check box.
- b** (Optional) Change the sample period and number of samples displayed.
- c** Tap **Log File**. The Save As screen appears.
- d** (Optional) Change the name of the saved log file, the folder to which the file will be saved, the content type (log or text), and the location.
- e** Tap **Save**.

APPENDIX 10

Additional supporting documentation CN3 Manuals online @ Intermec:
<http://www.intermec.com/products/cmptcn3/index.aspx>