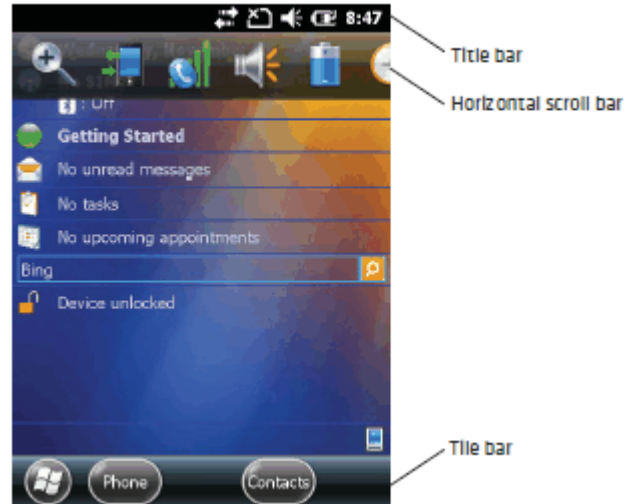




## Home Screen

The Windows Embedded Handheld 6.5 Home Screen



## Interacting with the Screen:

Gesture	Description
Tap	Represents the left click of a mouse.
Double-tap	Represents the left double-click of a mouse.
Hold	Represents the right click of a mouse when you press and hold on the screen and a context menu appears.
Flick	Initiates scrolling in the direction (horizontal or vertical) the finger or stylus moves across the screen.
Pan	Press and hold on the screen and then drag in any direction.

## Touchscreen Calibration

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

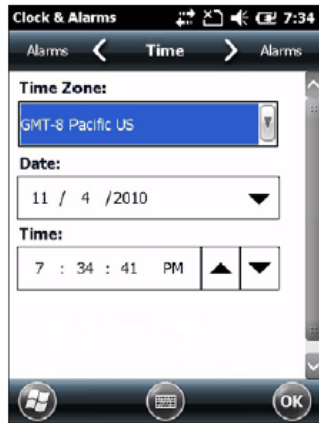
- 1) Tap the **Start** button in the lower left corner of the system tray.
- 2) Select **Settings**, then **System**.
- 3) Tap the **Screen** icon
- 4) Follow the instructions on the screen.

### Set Date/Time/Time Zone

- 1) Tap the Start button in the system tray.
- 2) Select “Settings”, then “Clock and Alarms”.
- 3) Set your time zone.
- 4) Set the current date, time.
- 5) OK to Exit.

The horizontal scroll bar also replaces tabs within Windows screens and allows for easier navigation.

#### ***Clock & Alarms Screen With Horizontal Scroll Bar***



### Set Backlight Power

*(The unit has an ambient light sensor, and will turn off when there is no activity. Tap screen or press a key to resume)*

- 1) Tap the Start button in the system tray.
- 2) Select “Settings”, then “Power”, then Select “Advanced” on the horizontal scroll bar.
- 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.

### Set Screen Brightness

- 1) Tap **Start > Settings > System > Backlight**
- 2) Adjust the slider to desired brightness.
- 3) Tap **OK**

### 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.
- 2) If the imager/scanner does not scan, it might be “disabled”.
- 3) To check the setting: **Start > Settings > Systems > Data Collection > Scanner Settings**
- 4) “Hardware Trigger” should be checked.

## **Enable Barcode Symbology for Scanning:**

- 1) While many typical barcode symbologies are enabled by default, others may need to be enabled for particular applications.
- 2) To enable or configure barcode symbologies: **Start > Settings > System > Intermec Settings > Data Collection > Internal Scanner > Symbologies**
- 3) Check and enable/configure the Symbologies required.

## **Enable DPM (Direct Parts Marking for Scanning (this is recommended when scanning metal tags on metal materials):**

- 1) This may not be necessary in all circumstances, but if scanning metal barcode tags that are attached to metal (pipe, sheet metal, etc...) and the terminal has difficulty reading or decoding the barcode, this setting change is recommended
- 2) To enable or configure DPM: **Start > Settings > System > Intermec Settings > Data Collection > Internal Scanner > Imager Settings > Optimized Imager Modes > Advanced Mode. Enable this.**
- 3) In this section, at the bottom of the page, you will see a button for Direct Product Marking Mode. **Enable** this.
- 4) You will also see options to change how the scanner behaves: 1D, 2D, brightness, Damaged barcodes, etc. **Enable “Damaged barcode”**

## **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 | Data Collection**



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

**Enable Wireless 802.11 (WiFi) Radio:**

- 1) Tap: **Start > Settings > Systems > Intermec Settings > Communications > 802.11 Radio > Radio Enabled**
- 2) Select the **Radio Enabled** check box and Tap **OK**.
- 3) Use **Intermec Settings** to configure communication parameters (including security) for your network.

**Enable Bluetooth Communications:**

- 1) Tap: **Start > Settings > Bluetooth > Mode**
- 2) Select **Turn On Bluetooth** check box
- 3) (Optional), if you want the unit to be visible to other Bluetooth devices, choose **Make this device visible to other devices**.
- 4) Tap **OK**.

**Turning the Phone On and Off (Enable the phone):**

- 1) From the Home Screen, **Start | Settings | Connections | Wireless Center |**
- 2) Tap Phone to turn on the Phone
- 3) Tap OK to close the wireless center

**Make a Phone Call:**

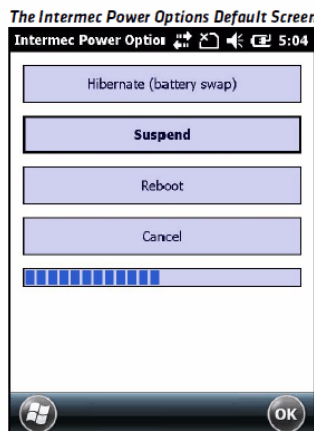
- 1) Press **Phone**
- 2) Tap the keys to enter the phone number you want to call
- 3) Tap **Talk**

**Take a Picture:**


- 1) Tap Start > **Pictures & Video**
- 2) Tap the **Camera** icon in the grid or the **Camera** button on the Title bar, or press **Enter**
- 3) Press **Enter** to take and save the picture.

**Turn off the Terminal:**


- 1) When you press the Power Button, a dialog box (below) appears with a list of power options. If you do not select a power option setting, the button currently outlined in bold will occur after a timeout.




## APPENDIX 1 – Embedded Intermec Functions

**iSpy WiFi** v:  **iSpyWiFi** Use iSpy WiFi to check 802.11 radio status and diagnose connection issues.


### Scan Diagnostic:

 **ScanDiagnostic** Use ScanDiagnostic application to diagnose problems with scanner.

### Wireless Center:

 **Wireless Center** Use the Wireless Center to turn radios (Wi-Fi, Bluetooth, phone) on and off and configure settings for each radio.


### Profile Settings:

 **Profile Settings** Use Profile Settings to easily configure the computer for a specific use. You can choose predefined values for the Camera, Power, and Scanning.

To apply a profile setting:

- Tap the Profile Setting you want to use. You will see a message that changes are saved and a check mark appears next to your choice.

### Intermec Settings:

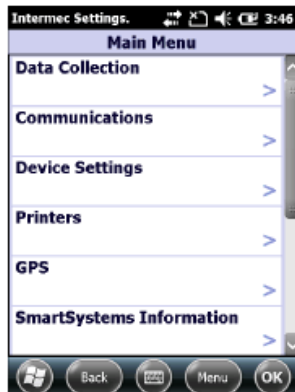
 **Intermec Settings** Use Intermec Settings to configure your computer. You can use Intermec Settings to individually configure a computer or you can use it through SmartSystems to configure all of your computers.

Intermec Settings is located on the System screen.

To start Intermec Settings:

- Tap **Start > Settings > System > Intermec Settings**.

The Intermec Settings Main Menu appears.



## APPENDIX 2 – Configure Wireless 802.11 Radio/ Security/Network

### Enable *Wireless 802.11 (WiFi) Radio:*

- 4) Tap: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > Radio Enabled**
- 5) Select the **Radio Enabled** check box and Tap **OK**.
- 6) Use **Intermec Settings** to configure communication parameters (including security) for your network.

### Select *Wireless Security Choice for 802.11 (WiFi) Radio:*

- 1) Tap: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > Security Choice**
- 2) Select the **Funk Security** check box and Tap **OK**.
- 3) Use **Intermec Settings** to configure communication parameters (including security) for your network.

### Setup *Wireless Security Choice for 802.11 (WiFi) Radio (If USING Static WEP):*

- 1) Tap: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > Funk Security**
- 2) Select the **Profile 1**. (or 2, 3 or 4 if adding additional Profiles)
- 3) Enter **Profile Label** (name)
- 4) Check **radio Box for Network type:**
  - a. Infrastructure for Access Points (*this is the typical choice*)
  - b. Ad Hoc for PC to PC, or Device to Device, or Device to PC
- 5) Enter **SSID** (unique wireless network name)
- 6) Check **radio Box for Power Mode:** check **CAM** (for constant awake mode)
- 7) Select **802.1x security type (if used): none**
- 8) Select **Association: Open**
- 9) Set **Encryption: WEP**

Define a value for the keys you want to use. You can define up to four keys (**Key 1** through **Key 4**).

Enter an ASCII key or a hex key that is either 5 bytes or 13 bytes long depending on the capability of the radio. Set a 5- byte value for 64-bit WEP or a 13-byte value for 128-bit WEP. Hex keys must be **preceded by 0x** and contain 5 or 13 hex pairs.

For **Transmit key**, if used, choose the key you want to use for transmitting your data

- 10) The rest of the screen requires scrolling through to set any necessary security options. If you don't know what these are – contact the IT staff.
- 11) To Save your settings, Select **OK** at the bottom menu panel if no additional changes are needed.

**Setup Wireless Security Choice for 802.11 (WiFi) Radio (If USING Personal WPA/WPA2):**

- 1) Tap: **Start > Settings > System > Intermec Settings > Communications >802.11 Radio > Funk Security**
- 2) Select the **Profile 1**. (or 2, 3 or 4 if adding additional Profiles)
- 3) Enter **Profile Label** (name)
- 4) Check **radio Box for Network type**:
  - a. Infrastructure for Access Points (*this is the typical choice*)
  - b. Ad Hoc for PC to PC, or Device to Device, or Device to PC
- 5) Enter **SSID** (unique wireless network name)
- 6) Check **radio Box for Power Mode**: check **CAM** (for constant awake mode)
- 7) Select **802.1x security type (if used)**: **none**
- 8) Select **Association**: **WPA or WPA2**
- 9) Set your PSK (aka, Pre-shared key)

The pre-shared key must be a value of 32 hex pairs **preceded by 0x** for a total of 66 characters. The value must match the key value on the access point. The passphrase must be from 8 to 63 characters. After you enter a passphrase, the 70 Series internally converts it to a pre-shared key. This value must match the passphrase on the authenticator.

- 10) The rest of the screen requires scrolling through to set any necessary security options. If you don't know what these are – contact the IT staff.
- 11) To Save your settings, Select **OK** at the bottom menu panel if no additional changes are needed.

**Setup Wireless Security Choice for 802.11 (WiFi) Radio (USING Any OTHER Security Option).....**

***Reference the supplement document located on the GigaTrak website:  
Personal WPA/WPA2): IntermecCK\_CN\_SC Series WirelessConfigSupplement***

**Select Active Profile for Wireless Security for 802.11 WiFi) Radio:**

- 1) Tap: **Start > Settings > System > Intermec Settings > Communications >802.11 Radio > Funk Security**
- 2) Select **Active Profile**
- 3) Check desired **Profile** (1, 2, 3 or 4)
- 4) Enter **Profile Label** (name)
- 5) Select **OK** at the bottom menu panel.

**Setup IP Configuration for 802.11 (WiFi) Radio network communications:**

- 1) Tap: **Start > Settings > System > Intermec Settings > Communications > 802.11 Radio > IP Settings**
- 2) Select DHCP Check box if DHCP (dynamic host connect protocol) is used and IP address will automatically be assigned by a server.
- 3) Enter DHCP client ID (name) if applicable
- 4) **OR**
- 5) Uncheck DHCP if IP is static and will be assigned based on specific IP address given.
- 6) If Static IP, then enter required additional network information:
  - a. IP Address
  - b. Subnet Mask
  - c. Default Router
  - d. Primary DNS (if applicable)
  - e. Secondary DNS (if applicable)
  - f. Primary WINS (if applicable)
  - g. Secondary WINS (if applicable)
  - h. Enter **SSID** (unique wireless network name)
- 7) Select **OK** at the bottom menu panel if no additional changes are needed.

## APPENDIX 3 – GigaTrak Application Installation Notes

### ***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.

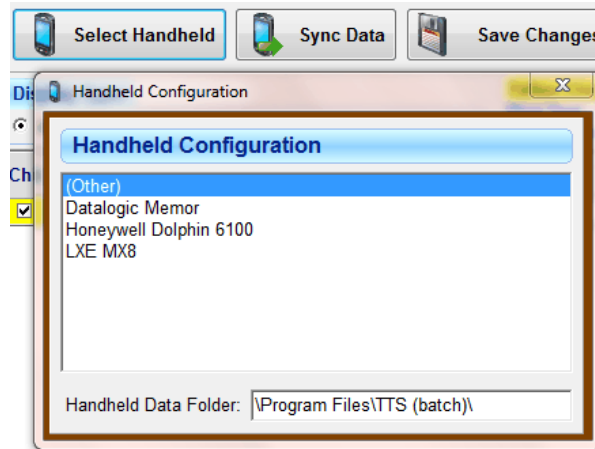
### ***Install GigaTrak Handheld Application – WIRELESS (802.11 or cellular data network) and/or Batch versions***

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) Copy the CAB file to the device using ActiveSync (XP) or Windows Mobile Device Center (Vista/7). -- Any folder, it doesn't matter where.
- 4) Once the file(s) is(are) copied, disconnect the USB cable.
- 5) On the handheld itself, browse to the folder where you installed the \*.CAB file and click on the CAB file to install.
  - a. WIN\_TTS-W.cab (for the Wireless Application)
  - b. WIN\_TTS.cab (for the Batch Application)
- 6) If prompted, select **Device** as the install location. On the handheld, click the file to run it – this will install the application on the handheld.
- 7) Exit out to the main desktop screen on the handheld.
- 8) *Start | Programs | WIN\_TTS-W* to run the Wireless version of the application
- 9) *Start | Programs | WIN\_TTS* to run the Batch version of the application

*NOTE: From the PC Application, when selecting to Synchronize with a Batch terminal, set the following designation: Select **Download Icon** > Select **Handheld Button** > Select **(Other)***

*Files from the PC database will then download to/upload from the **Program Files\TTS (batch)\** directory on the handheld.*



## APPENDIX 4 – Intermec Support Manuals

*Additional CN70 Manuals online @ Intermec:*

<http://www.intermec.com> /Support | Manuals |  
Product Category- computers  
Product Family – Handheld Computers  
Product – CN70e

<http://www.intermec.com/support/manuals/search.aspx?categoryid=3&familyid=8&productnodeid=CMPTRCN70E>

## APPENDIX 5 - Reboot, Warm Boot, Cold Boot, Reset 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 the **Power** button and select **Reboot** from the menu. 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.

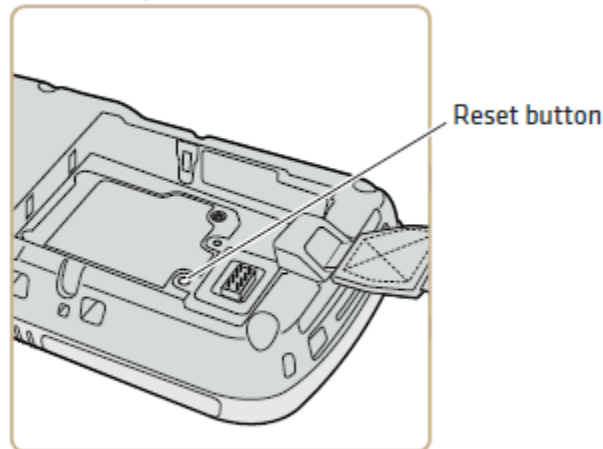
Remove the battery pack.

Use the stylus to press the Reset button in the battery compartment on the back of the terminal.

Replace the battery.

Press Power and wait while the terminal boots:

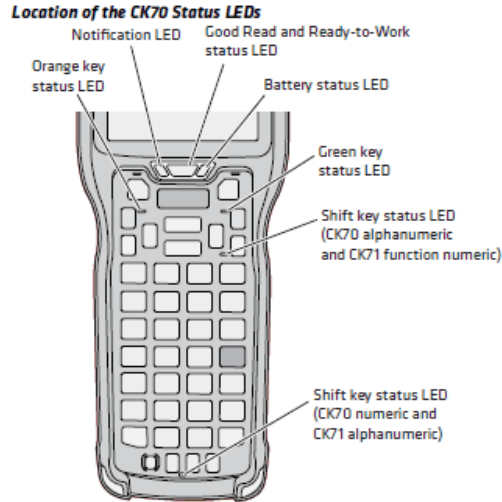
**Location of CN70/CN70e Reset Button**



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

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

## APPENDIX 6 – CN70 Terminal Keypad and Overview



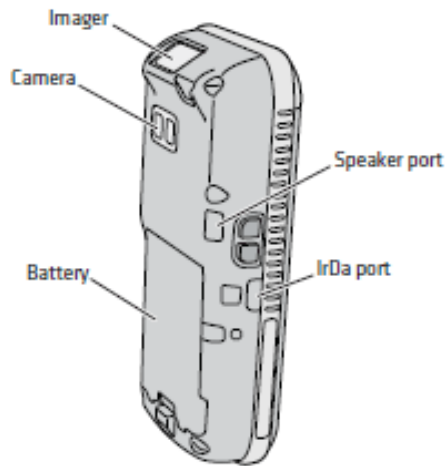
### Status LED Descriptions

LED	Color	Description
Notification	Amber	This LED is user-programmable.
Good Read	Green	The computer successfully decoded a bar code.
Ready-to-Work	Blue	If you have Intermec Terminal Emulator (ITE), the application is running and connected to the host. If you do not have ITE, you can configure the Ready-to-Work indicator to turn on or off to indicate a healthy state.
Blinking blue		ITE is running but not connected to the host.

### CN70e QWERTY Numeric Keypad



### **CN70 Back View**



### **CK70 Front View**



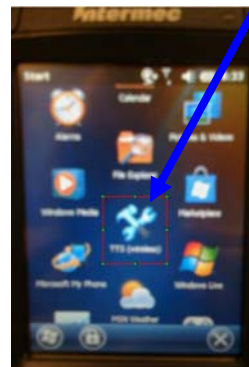
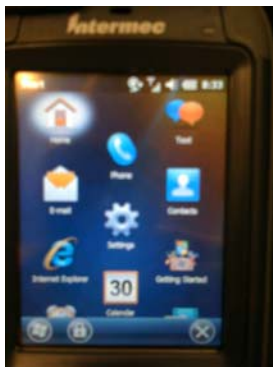
## APPENDIX 7 – Initiate GigaTrak TTS Application Screen

*Initiate TTS Handheld Application Terminal Screens*

*From the Home Screen, Select the Start Icon:*



*Scroll down through the resulting Icon screen until you reach the TTS Icon:*



*Once the TTS Icon is selected, the Initial TTS Logon screen appears (below).*



A User ID is needed to access the main TTS application beyond this point. The UserID may be entered via the keyboard or by scanning a UserID barcode.

(If you don't have an assigned UserID the first time logging on, the default logon is: login: *admin*  
password: *admin*)

SIDE Note: Authorized users ONLY may also have access to additional network configuration information via the ADMIN button located towards the lower left portion of the initial logon screen. If so, a separate, unique password will be required to gain access to the screen shown below:



**Upon logging on from the Initial application screen, the Main TTS User screen will appear: Simply scan the barcode for, or enter, via the keypad, the logon password of the person who will be performing TTS functions (Check In, Check Out, Audit, Identify, Count Bin)) and then select the desired function.**

*(Note: Add Tools may or may not require additional password logon credentials, depending upon which version of the software is installed.)*



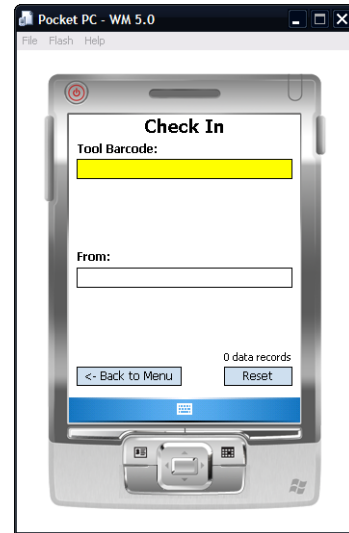
*Note: From this screen also, Authorized users ONLY may also have access to network configuration information via the ADMIN button located towards the lower left portion of the initial logon screen. If so, a separate, unique password will be required to gain access.*

## APPENDIX 8 – GigaTrak TTS Handheld Function Screens

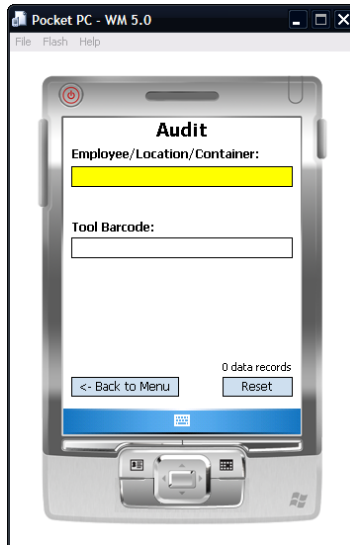
**Check Out:**



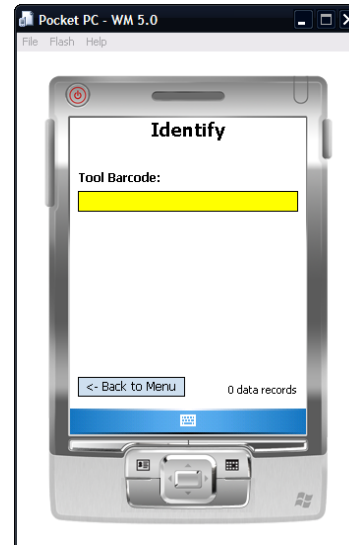
**Check In:**



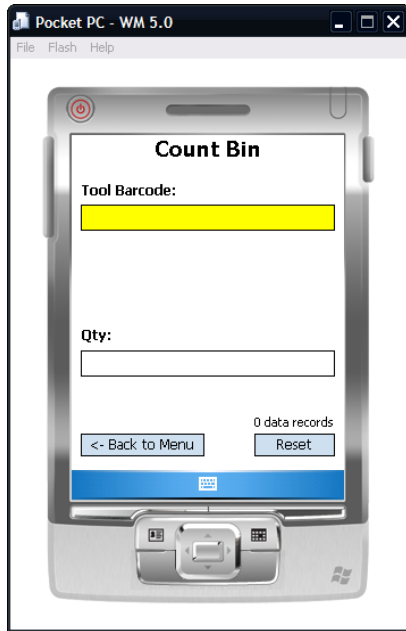
**Audit:**



**Identify:**



## Count Bin:



## Add Tools:

