MobileTrak for Windows Mobile





User Manual

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Preface

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MobileTrak

Introduction

MobileTrak is designed for use with the M210 and M220 Mobile Readers, and enables mobile inventory collection of very large numbers of RF Code tags and tagged assets. MobileTrak is designed to work as a standalone inventory tracking/inventory collection application that does not require a specific back-end server to manage asset data. Instead, MobileTrak exports data in common formats for use with a broad variety of applications.

MobileTrak enables users to inventory and search thousands of tagged assets using a simple to use and understand graphical interface. MobileTrak makes inventorying large numbers of assets quick and painless. Using customizable job inventory definitions, MobileTrak gathers data about all RF Code tags the reader encounters. Users can browse the collected tag data, "drilling-down" into the data gathered from each tagged asset to examine details or to add information about the location and status of the asset. Stored tag inventory data can be saved, exported, or e-mailed for later use.

MobileTrak also enables users to set the antenna range setting to one of the 8 preset modes. And when searching for a specific tagged asset MobileTrak reports signal strength indication (SSI) values to provide visual and audible alerts to indicate proximity.

Requirements

MobileTrak prerequisites:

- Touch screen capability (the device has a stylus)
- One of the following:
 - Bluetooth Wireless support (for connectivity to the M220 Mobile Reader)
 PC Card slot (for the M210 PC Card Reader)
- Required Operating System:
 - ♦CE.NET 4.2+

Windows Mobile Pocket PC version 5 (Premium Edition, Professional Edition, Phone Edition)
 Windows Mobile version 6 (Professional Edition, Classic Edition)

•.NET Compact Framework version 2.0 SP2 (or higher)

Compatibility issues:

Note

- MobileTrak will NOT work with Windows Mobile 5 for Smartphones
- MobileTrak will NOT work with Windows Mobile 6 Standard
- All Windows Mobile 6 Professional and Classic devices come with the .NET Framework 2.0 or later.
- Many Windows Mobile 5 devices come with an older (unsupported) version of .NET Compact Framework and may need to be upgraded. See the following Microsoft Web page about upgrading the .NET Compact Framework:

http://www.microsoft.com/downloads/details.aspx?familyid=AEA55F2F-07B5-4A8C-8A44-B4E1B196D5C0&displaylang=

Features

Some of the features included with the MobileTrak are:

- Inventory and manage thousands of tagged assets without requiring a dedicated back-end server
- Runs on mobile devices running the Windows Mobile operating system
- Use Bluetooth or USB connectivity
- Easily locate and inventory assets
- Capable of searching up to 500 tags/MB of free RAM available

Installation

To install the MobileTrak software on your Windows Mobile device, perform the following steps:

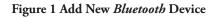
- 1. Ensure that you handheld device is connected to your PC through a docking station or USB cable that came with your handheld device.
- 2. To connect to your handheld device you will need to use Microsoft ActiveSync 4.5 (XP users) or Microsoft Windows Mobile Device Center 6.1 (Vista users) software. To download the latest versions use the following websites:
- Microsoft ActiveSync http://www.microsoft.com/windowsmobile/activesync/activesync45.mspx
- Microsoft Windows Mobile Device Center http://www.microsoft.com/windowsmobile/devicecenter. mspx
- 3. Install MobileTrak for Windows Mobile from the CD. If the CD autorun program does not launch the main menu, you can use Windows explorer to browse to the CD drive and double-click on the autorun file to bring up the menu. Select the appropriate menu (MobileTrak for Windows Mobile) and follow the prompts in the Setup Wizard to install the Windows Mobile version of the MobileTrak application.

Connecting to Reader

Before you can begin using the MobileTrak application with your handheld device, you must first setup a connection to your M220 Mobile Reader that is part of the RF Code mobile tracking solution. To do this you must pair the *Bluetooth* enabled M220 Mobile Reader to your handheld device. Depending on the type of handheld device you are using, there are two different methods of pairing. To connect your reader with your handheld device, follow one of the two methods below:

Microsoft Bluetooth Stack

1. Access the *Bluetooth* Manager on your handheld device by navigating to **Start>Settings>Connections>***Bluet ooth*, and tap **Add New Device**. (Figure 1).



윩 Set	tings			¥ ≻ د ک	ok
Blueto	oth				
	h devic	evice to sear es. Tap on a			,
Add n	ew de	vice			
Devices	Mode	COM Ports	FTP	Security	

2. The *Bluetooth* Manager will automatically generate a list of *Bluetooth* enabled devices. Select your Reader and tap **Next**. (Figure 2).

Figure 2 Select M220 Reader in *Bluetooth* Device List

矝 Settings 💦 🗮 🏠 🐟	
Select a Bluetooth Device	2
Select a device to connect with and tap Next.	
8 M220_AI70009	
📳 BlackBerry 8703e	Π
💫 Viper_MD076990	
8 M220_I70002	
💫 M220_I76991	
📱 GreggPTXs Phone	
💫 M220_Ryan	Ц
💫 TestBTModule	Ц
<u>R M220 H76988</u>	-
▲	
Refresh	
Cancel 🔤 Next	

3. Enter the passkey (the default is **0000**) and tap **Next** as seen in (Figure 3).

Figure 3 Enter Passkey



Enter a passcode to establish a secure connection with M220_AI70009.

Passcode:

------	--



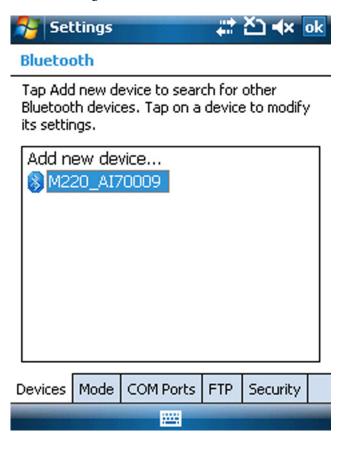
4. Check the Serial Port box and tap Finish. (Figure 4).

Figure 4 Select Serial Port

🚰 Settings		č⊃ ∢ ×
Partnership Set	tings	2
Display Name:	M220_AI7000)9
Select services to u	use from this dev	rice.
Serial Port		
123 1 2 3 4 5	5 6 7 8 9	0 - = 🗲
Tab q w e r	tyui	0 p []
CAP a s d f	g h j k	1 ; *
Shift z x c v	/bnm/,	. / 4
Ctl áü 🔪 🚶		↓ ↑ ← →
Back		Finish

5. Your reader will now show up as a Bluetooth paired device. Tap OK to exit the Bluetooth Manager. (Figure 5).

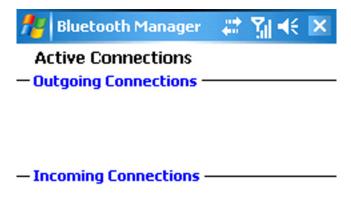
Figure 5 Bluetooth Paired Reader



Broadcom's Widcomm[®] Bluetooth Stack

1. Access the *Bluetooth* Manager on your handheld device by navigating to **Start>Settings>Connections>***Blueto oth>Bluetooth* Manager, and tap on the Active Connections tab. (Figure 6).

Figure 6 Bluetooth Manager Active Connections Screen



My Shortcuts	Active Connections	
New	-	Menu

2. Create a New connection by taping on Menu>Paired Devices. (Figure 7).

Figure 7 Add Bluetooth Paired Device



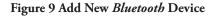


3. Tap the Add button and the following screen will display (Figure 8)

Figure 8 Add New *Bluetooth* Device

🏄 Bluetooth Manager 🛛 📰 🏌	⊀€	ok
Bluetooth: Device Pairing		
Device:		
Passkey:		
Cancel		
— How to use this screen ———		
To add a device to the list of pair devices, tap the lookup icon, sele device, enter the passkey and the OK. The Bluetooth pairing proced establishes a secret key that is us all future connections to authenti	ict a en tap lure ed in	

4. Tap the **Search icon** to the right of the **Device box**, and a list of *Bluetooth* enabled devices will automatically be found by your handheld device (Figure 9).



🏄 Bluetooth Manager	,	Yı∥ 4 ×	ok
Bluetooth Browser Select a Bluetooth device			
220_AI70009			
😵 M220_H76988			
😵 M220_I70002			
😵 M220_I76991			
🎯 M220_Ryan			_
😵 TestBTModule			-
😵 Viper_MD076990			-
		Can	cel
Refresh 🔤		View	

5. Select your reader from the list, set the passkey (the default is 0000) and tap OK as seen in (Figure 10).

🏄 Bluetooth Manager 🛛 🗱 📢 ok
Bluetooth: Device Pairing
Device: M220_AI70009 🛛 🔍
Passkey: ****
Cancel
— How to use this screen —
$\begin{array}{c c c c c c c c c c c c c c c c c c c $
Tabqwertyuiop[]
CAP a s d f g h j k l ;
Shift z x c v b n m , / ←
Ctl áü ` \ ↓ ↑ ← →

Figure 10 Enter Passkey

6. Your reader will now appear in the in the list of paired devices (Figure 11). Tap **OK** to continue.

Figure 6 Paired *Bluetooth* Devices List





7. You must now create a shortcut to the Reader so that you can connect to it. To create a Shortcut, tap on the **My Shortcuts** tab and browse to **New>Explore** a *Bluetooth* **Device** (Figure12).

Figure 12 Explore Bluetooth Devices

🏄 Connection Wizard 🛛 😂 🏹 •	(€
Connection Wizard	
Explore a Bluetooth device Discover the services another dev offers and create connection shortcuts for them.	rice
Hands-free/Headset setup Setup a Bluetooth Hands-free or Headset to be used with your PocketPC.	
High Quality Audio setup Setup Bluetooth Headphones or	-
Cancel Nex	:t ᅌ

8. The *Bluetooth* Manager will automatically find the reader. Create a shortcut connection to your M220 Mobile Reader by selecting it from the list and selecting Serial Port (Figure 13).

📇 Connection Wizard 🛛 🚓 🎢 📢		
Explore a Bluetooth device		
M220_AI70009 — Service Selection		
SerialPort		
Please select the service(s) offered by this device you would like to create connection shortcuts for.		
Security Security Use a secure, encrypted connection Cancel Back Next		

9. Your M220 Mobile Reader will now appear in the My Shortcuts tab. Highlight the reader and access the dropdown menu and select **Connect** to connect to your reader (Figure 14).

🏄 Bluetooth Manage	er 🛛 🗱 🏹 📢	×
My Shortcuts		
M220_AI70009: Serial	<u>C</u> onnect	
	<u>R</u> ename <u>D</u> elete	
My Shortcuts Active Co	<u>P</u> roperties	

.....

New

Figure 14 Add New *Bluetooth* Device

Your handheld device is now paired with your M220 Mobile Reader. You can now begin using the MobileTrak software to track and inventory your tagged assets.

Configuration Setup

Prior to launching the MobileTrak application, an XML configuration file must be generated for the tagged assets you intend to inventory and track. For assistance in the creation of a configuration XML file, please refer to the MobileTrakXMLSpecification.pdf document that is available on the CD provided with your software.



It is very important to insert the correct Tag Group IDs and Treatment Codes in this configuration file. The group ID is printed on the label of a tag (Figure 15). A support page is available to help you determine you specific Group Code and Treatment Code at:

Menu

http://www.rfcode.com/codes

Figure 15 Group ID, Tag ID, and Treatment Code Location



Group Code Tag ID Treatment Code

All RF Code tags are defined as being members of a specific group, and have a unique tag ID number within that group. When an RF Code reader is configured, it can be supplied with up to 8 group code IDs and a corresponding treatment code for each group code. The treatment code instructs the reader how to interpret the payload data for each tag event within that group code. RF Code tags are smart and have the ability to transmit various types of data within its radio frequency beacon such as indicators for motion, panic, tamper, infrared location, and low battery.

The following is a list of RF Code Group Codes and their corresponding tag Treatment Codes. Most RF Code tags utilize Treatment Code 02 or 04.

Treatment Code 02:

•TRTTWO INTJDS •RFCMII •EDSAMS •CUBIXX •SMYLCM •GDASST •GDLOCK •GDTAPR

Treatment Code 04:

• RFCLOC • AHSAAA • RFCSEC • LOCATE

The list above is a compilation of the most current codes at the time of publication, however, a support page with the most updated list of group/treatment codes is available to help you determine your specific Group Code and Treatment Code:

http://www.rfcode.com/codes

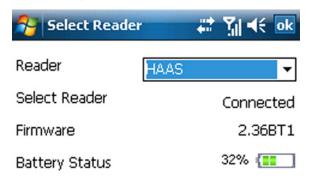
Contact RF Code support if you have questions about the usage of group codes and treatment codes.

512.439.2200 (main), 877.969.2828 (toll-free), support@rfcode.com, or http://www.rfcode.com/support



Once the XML configuration file has been generated, the file must be copied onto your handheld devices's
 My Documents folder. This can be performed using the Microsoft ActiveSync (XP users) or the Microsoft Windows Mobile Device Center (Vista users) to browse to the documents folder and place the configuration XML file in this folder. Only XML files in the My Documents folder are visible by the software.

Figure 17 Select Reader Option

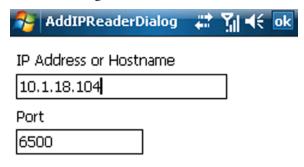




Within the Select Reader Option a menu can be accessed that allows the user to select two reader options. They are described below:

- 1. When the **About Attached Reader** option is selected a screen describing the readers name, model, firmware, frequency, DSP, and MAC ID.
- 2. When the **Add IP Reader** option is selected the user can enter the IP address and port for an additional M220 Mobile Reader (Figure 18). The added reader can then be accessed and selected in the **Select Reader** screen to connect with.

Figure 18 Add IP Reader



123	[]	{	}		7	8	9	#	%	=	•
>	,		<	>		4	5	6	+	-	*	7
×	0	:	١	Ι		1	2	3	t	1	←	→
\$	¢	€	£	¥		(0)	TaŁ	sp	ace	Ļ
	Cancel 🔤 📥						OK					

Launching Application

After installing MobileTrak and pairing the M220 Mobile Reader to your handheld device, select and open the MobileTrak application by going to **Start>Programs> MobileTrak** . The initial screen is shown in Figure 16.

Figure 16 MobileTrak Initial Screen

NobileTrak		און או א				
Invent	Inventory Jobs					
🛃 2-12/7/07 AM Ir	ventory					
Connected						
Exit		Menu				

The initial screen will show a list of configuration files that have been copied to your device.

Configuration Screen Options

In this configuration screen there are two menu options. They are describe in detail below:

Select Reader

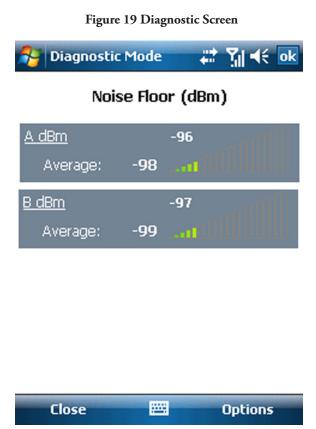
This option allows the user to select an M220 Mobile Reader that they have paired with the device in the steps mentioned above. This feature can be accessed by taping on **Menu>Select Reader** (Figure 17) and selecting the reader from the drop down list. You have successfully selected the reader when the message "connected" appears next to the Select Reader field and you may close out of the Select Reader option.

About MobileTrak

Select this option if you would like to see information regarding the version of MobileTrak that you are running on your device.

Diagnostic Mode

This feature indicates the noise level present within the immediate vicinity of the M220 Mobile Reader that the user has connected to. This feature can be accessed by highlighting the Configuration file and pressing which will bring up the Diagnostic Mode option. Select Diagnostic Mode to bring up the diagnostic screen (Figure 19).



Within the Diagnostic Screen, the Option menu can be selected to change the range settings affecting the Diagnostic Mode read (Figure 20).

Figure 20 Diagnostic Range Setting

 Options
 Image Settings

 Settings only effect Diagnostic Mode.

 Range Settings:

 8

 1

 2

 3

 4

 5

 6

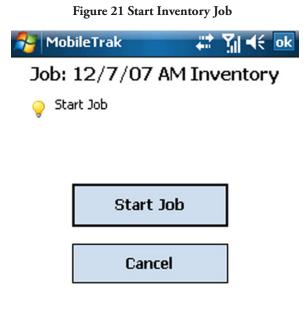
 7

 8



Start Inventory Job

To start an inventory job, ensure that your reader has been selected and is connected to your device running Windows Mobile. Select a configuration from the list from the initial configuration screen by tapping once on the configuration. The following screen will appear (Figure 21). Tap on the Start Job button to begin an inventory job.



Once you have started the job, you may be prompted by the Zone Selection Screen if you have if defined this in your XML configuration (See MobileTrakXMLSpecification.pdf included on the MobileTrak CD). The following screen will appear (Figure 22). Select a preset zone from the drop down menu that has been previously specified by the XML configuration as your Default Zone. Alternatively, if you do not see your desired Default Zone in the drop down menu, select New Zone and type in your desired zone name. Tap OK to continue.

Figure 22 Default Zone Selection
🎊 MobileTrak 📢 📅 🗐 📢 3:16 🛛 ok
Select an existing or new zone to use as the default zone for this job run.
Existing Zone:
Roomlocator 111 🔹 👻
🔿 New Zone:



Inventory Job Screen

The Inventory Job Screen will appear (Figure 23).

Figure 23 Inventory Job Screen

MobileTrak	# Yıl •€ ok
Job: 12/7/07 AM I	nventory
Total Defined Assets:	7
Defined Assets Found:	6
Defined Assets Missing:	1
Undefined Assets Found:	48
Total "Big ticket assets":	2
Found "Big ticket assets":	2
Total "IT Equipment":	5
Found "IT Equipment":	4
Elapsed Time:	00:02:42
Zones:	8

Defined Assets: 6 of 7 Found

Connected

Cancel 🔤 Menu

There are several options available to the user in the Inventory Job Screen. These options are described in detail below:

Tag Search

Users can search for a specific tag a groups of tags if the tag ID or group code is known. Select Menu > Search and the following screen will display (Figure 24). Input the tag ID or group code and tap Search. The tag or tag group information will display.

Figure 24 Tag Search Option

NobileTrak	Q,	÷.,	^{[3}] ◀€ 3:18	ok

Please input the tag you would like to search for.

Tag Id:

0000012	
DEVTMP	•

Group Code:

123	1	L	2	2	3	2	ł	5	6	1	7	8	9	Τ	0	-	=	ŧ
Tat	b	q	I	w	·	e	1	٢	t		y	u	İ		o	р]]
CA	Ρ	í	a	9	\$	d	Τ	f	g	Τ	h	j	k		Ι	;	•	
Shi	if	t	Z		х	1	-	۷	ł)	n	l n	۱ I	,			1	₽
Ctl	1	áί	i	`	Ι	١								,	ł	↑	←	÷
		La	IN	ce	2l				ł		8				Se	arc	h	

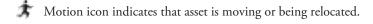
Select Asset Category

Users can select any of the asset categories that were defined by the configuration. A screen similar to the following (Figure 25) will appear when an asset category is selected.

Figure 25 Asset Category Screen

MobileTrak		a ti
Dell Laptop 2 Default Zone		72F -72
Picaso Painting Default Zone		⁻⁷⁴
Dell Laptop 1 Default Zone		· − ⁻⁸³
HP Desktop 1 Default Zone		* - ⁸⁵
Smoke Alarm 34 Austin		≁ - ⁶³
HP Desktop 2 Default Zone		! - ⁸⁶
Tank 22001 Austin	2	0 -56 kPa
Smoke Alarm 215 Austin		↔ ⁻⁶³
Connected		
Close		Menu

When viewing assets, each found tag is identified by its TagID and a signal strength indicator that visually denotes the proximity of the tag. Generally, stronger signals indicate the tag is closer to you and a weak signal means the tag is farther away. Also, various state indicator icons may appear with an asset tag as shown in Figure 23. These icons indicate the following:



Tamper icon indicates that tag has been removed from asset.

Panic icon indicates that panic button has been activated on tag.

Low battery icon indicates that the tag's battery is low and should be replaced.

← ┿┿ Dry contact icons indicate the current dry contact tag sensor is either open or closed.

Sensor low battery icon indicates that tag's sensor battery is low and should be replaced.

The user can select an asset from the list in the asset category and a screen that provides detailed information about the tagged asset will appear (Figure 26). This can also be accessed by browsing to **Menu>Details**.

😝 Asset Details	# ¥ • •
Tag Id:	00060256
Group Id:	SPDEMO
Asset Name:	Picaso Painting
Description:	Painting in breakroom.
Found:	yes
Signal Strength:	-78
Motion:	yes
Tamper:	no
Panic:	no
Low Battery:	no
Zone:	Test Cubes
Found Zone:	Default Zone
Class:	Big ticket assets
Note:	pretty picture
ОК	🔤 Menu

Figure 26 Tag Details

From this view of the Asset Details there are three options available. These options are:

- Add Description: This option allows you to add a description of the tagged asset and can be accessed by tapping Menu>Add Description. Once you have typed in the description for the asset, tap OK to continue.
- Add Note: This option allows you to add detailed information or a note to the particular asset. This can be accessed by tapping Menu>Add Note. Once you have finished entering the note for the tagged asset, tap OK to continue.
- Beacon Sound On/Off: This option allows you to turn on/off an audible alert for each beacon of the tagged asset. This is accessed by tapping Menu>Beacons Sound On (or Beacon Sound Off).

Once you have completed the desired tasks for a particular tagged asset, tap OK to return to the Asset Category view. **PN00555 REV02**



Within the Asset Category Screen the Add Description and Add Note options are also available without having to click on the Details view of the particular asset that is highlighted. Add Description can be accessed by highlighting the asset and browsing to Menu>Add Description. Add Note can be accessed by highlighting an asset and browsing to Menu>Add Note.

Also a user can modify certain options globally for all assets in a particular Asset Category by browsing to **Menu>Options** (Figure 27).

😚 Options	💬 😂 🏹 🐟 4:44	ok
Range Settings:	8	•
Sound:	Off	•
Sort By:	Signal Strength	•
Sort Order:	Ascending	•
Show Zone:	On	•
Color:	Green	•
Vibrate:	Off	•
Units:	Metric	•

Figure 27 Global Options



This feature allows you to customize global aspects of the MobileTrak software. These aspects are:

- **Range Settings**: This option allows you to change the read range of the reader that you are connected to. The range has various settings, 1 through 8 with 1 being the minimum read range (less than 10 meters) and 8 being the maximum read range (70-100 meters, depending on deployment conditions).
- Sound: The sound can be set to emit on a beacon from the tag, on an alert from the tag, or can be turned off.
- **Sort By**: This option allows you to sort the tagged assets by zone, time, signal strength, or by motion, tamper, panic or low battery alerts. You can also utilize the drop down list on the main screen of the software to access the Sort By feature.
- Sort Order: This option allows you to sort by ascending or descending order.
- Show Zone: This option allows you to display or not display the assigned zone for tagged assets.
- **Color**: This option allows you to change the color that displays the signal strength of the beacon from the tagged asset to either a red, blue, or green color.
- Vibrate: The vibrate feature of the handheld device can be set to happen on a beacon from the tag, on an alert from the tag, or can be turned off.



At any point during an Inventory Job, a user can pause the job by browsing to **Menu>Pause Job** in the Inventory Job Screen (Figure 23). Alternatively, the user can then resume the job by browsing to **Menu>Resume Job** in the Inventory Job Screen.

Select Zone Category

Within the Inventory Job Screen (Figure 23), a user can access the Zone Category (Figure 28) by selecting and holding on Zones.

Figure 28 Zone Category

矝 MobileTrak	- # ¹ •€ ok
Job: 12/7/07 AM	l Inventory
Zone: 🛛 🕅	•
Expected Assets:	
Expected in Zone(s):	7
Found in Zone(s):	0
Found Elsewhere:	5
Not Found:	2
Unexpected Assets:	
Found in Zone(s):	40

Connected	62% (===
Close	 Menu

Within the Zone Category the user can search for tagged assets by zones that have been setup with the XML configuration (Figure 29).

Figure 29 Sort by Zone				
MobileTrak		🗱 📲 帐 🔤		
Job: 12/7/07 AM Inventory				
Zone:	All	•		
Expected Asse Expected in Z Found in Zone Found Elsewh	Developmer Test Cubes	.		
Not Found:		2		
Unexpected A	ssets:			
Found in Zone	e(s):	42		

Connected	62% (====
Close	 Menu

The tagged assets will appear in either "Defined Assets" or "Undefined Assets". In Defined assets a tagged asset can be located in **Expected in Zone(s)**, **Found in Zone(s)**, Found in **Unexpected Zone(s)**, and **Missing From Zone(s)**. Each of these Zone areas can be selected to bring up a view of the assets that are in the zone areas and a particular asset can be selected and viewed in Detail by selecting **Menu>Details**.

Stop and Complete Jobs

Once the user has completed the intended Inventory Job, the job should be stopped and the resulting XML file with inventory job information will be either saved to the device or exported to a location that has been setup in the beginning XML configuration file

To stop a job, browse to **Menu>Stop & Complete** and you will receive a confirmation message (Figure 30). If you would like to proceed, click **Yes**.

c c	•	
NobileTrak	# * ∑ ∥ 4 €	
Job: 12/7/07 AM Inventory		
Total Defined Assets: Defined Assets Found: Define Finish job Undefi Total Are you sure y Found like to finish th Total Found Yes Zones:	ou would	
Defined Assets: 3 of 7 Found		
Connected	36% 💶	
Cancel	Menu	

Figure 30 Sort by Zone

Once you have successfully finished the job you may close out of MobileTrak by tapping on Exit.

Warranty & Service

Limited Standard Warranty Terms

RF Code warrants its products to be free from defects in materials and workmanship for a period of 1 year (12 months) for hardware and software from the date of purchase from RF Code. Its obligation under this warranty is limited to repairing or replacing, at its own sole option, any such defective products. This warranty does not apply to equipment that has been damaged by accident, negligence, or misapplication or has been altered or modified in any way. This warranty applies only to the original purchaser (end-user) and is not transferable.

Standard Warranty Limitations

Except as provided herein, the entire liability of RF Code and its suppliers under this limited warranty will be that RF Code will use reasonable efforts to repair or replace, without charge, all defective Products returned to RF Code by Customer, all as more particularly described in the End User Warranty. Except for the express warranties STATED HEREIN, RF Code makes no other representations or warranties and RF Code hereby disclaims, all other warranties, express, implied, statutory, or otherwise, including without limitation, any warranty of merchantability, non-infringement of third party intellectual property rights, fitness for a particular purpose, performance, satisfactory quality, or arising from a course of dealing, usage or trade practice.

Obtaining Service & Support

For in-warranty service, customers have several options. Customers having difficulty with RF Code products should attempt to solve those problems through RF Code's Technical Support Problem Escalation Process:

First, contact the RF Code representative or other distributor from whom the RF Code product was purchased for information on how to obtain local support.

Second, contact the RF Code Customer Support via e-mail.

Third, contact the RF Code Customer Support via the Support Line.

For product returns, the support engineer will give you a return material authorization (RMA) number. No returns will be accepted without an RMA number. If the warranty expired, there is a charge for repair or replacement per RF Code's out-of-warranty policy. For full details of the RF Code RMA policy, please review the "RF Code Warranty, RMA, and Extended Warranty Policy" document.

RF Code Customer Support

RF Code Customer Support gives entitled customers and partners the ability to contact RF Code about installation and usage-related questions as well as make defect inquiries about eligible products that are covered under RF Code warranty agreements. A team of technical specialists can be contacted electronically or via phone.

The Support Line is available to provide General Support during normal business hours: Monday through Friday, 8:00am to 5:00pm Central time, excluding national holidays.

E-mail: support@rfcode.com Support form: http://www.rfcode.com Voice: 512.439.2244 or toll-free at 866.830.4578

