

# 2011

## Bolero Website User Manual



Bolero Wireless

[www.bolerowireless.com](http://www.bolerowireless.com)

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## Introduction

This guide will walk you through the various steps you will use to set up and start using your Wireless modem. This guide includes all the steps from creating the Bolero Account up to an including customizing the Bolero User interface to align with your business requirements.

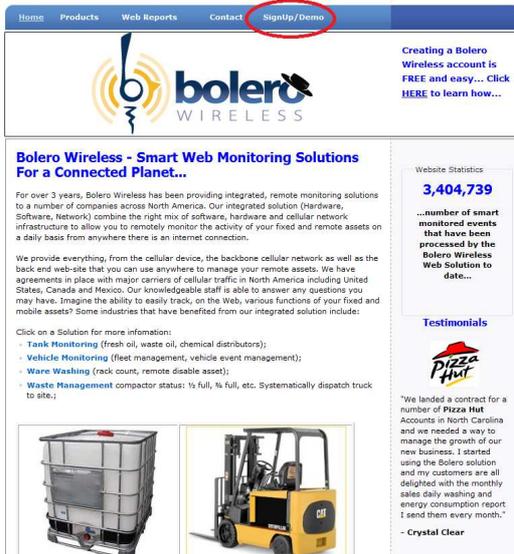
In a nutshell, what Bolero offers you is the hardware, the network and the backend website that you can use for your own business to manage the various pieces of equipment that you have out in the field.

With the Bolero Wireless system, you can easily automate this function and the software can email your service department when an action needs to take place.

In this document, an item in **Bold text** will usually identify an action to be taken by the user.

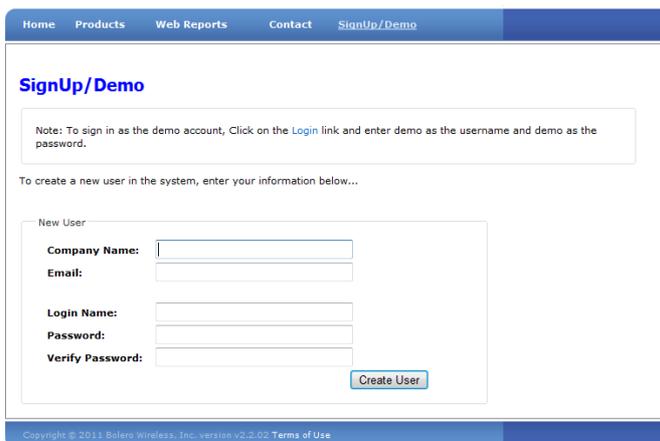
## Lesson 001 - How To Create A Wireless Account

Click on the **Signup/Demo** link up in the top right corner of the Bolero home page and you will be redirected to the Signup page.



In this page you will need to provide the following information including your

- Company Name
- Email Address
- Login Name
- and Password

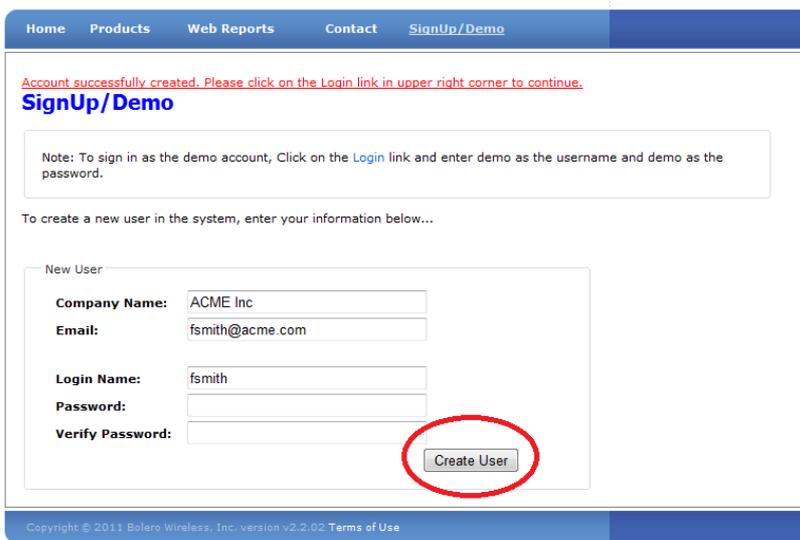


In this demonstration, we are going to sign up a company called ACME.

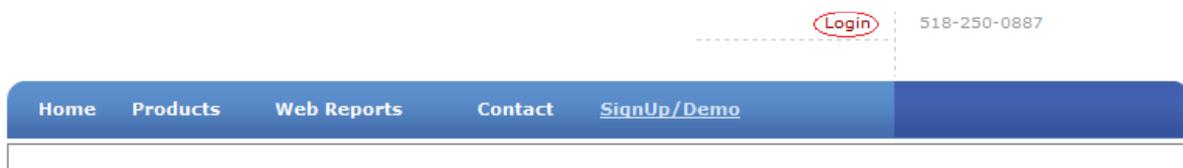
A valid e-mail address must be entered so you can get notifications and things of that nature.

Your login name must be unique. We recommend you use your first initial and last name, but anything can be used as long as someone else has not already used it.

Finally pick a password, verify it, and **click** on the **Create User** Button.



After this, a message will be shown saying your account was successfully created. The login link can be found in the upper right hand corner, so go ahead and **click** the **Login** link.



You will be **redirected** to the login page.



### Welcome to Bolero Wireless Web Portal

With Bolero Wireless Web Portal, you can conveniently access your wireless business information from anywhere in the world 24 hours, 7 days a week.

This secure function is only available to valid members. Please enter your user name and password now for access.

User Name:

Password:

[Forgot Password?](#)

Go ahead and enter your user name and password then **click** on the **Submit** button.

This is the process that you'll do from now on to sign into the account.

When you first login, you will be redirected to the Account List screen

Let's have a quick overview of what you're seeing here.

Account List

[New Account] [Account List]

Select Inactive Clients?

Edit	Account#	Company	Address 1	City	Prov/State	Contact	Phone#	Active	Last Edit	Delete
	1001	ACME Inc						5/11/2011 7:40:23 AM	5/11/2011 7:40:23 AM	

@2011 Bolero Wireless.

By default, an account was created in the Bolero Portal for your business. We will update this information later on in future lessons.

In the top right hand corner you will see the

- a Preferences link;
- a Help link;
- and a logout link.

The **Help** link contains all the videos you can use to learn about how to setup your equipment and use the Bolero Web Portal.



These videos contain the same information contained in this User Manual.

You will notice the first video link is the lesson you are reviewing now.

The lessons in this manual are sequential and should take you no longer than 1 hour to complete and to start using the Bolero portal.

That's it for now. In the next lesson, we will learn how to customize the website for your own business.

## Lesson 002 - Modifying Subscriber Preferences

Now that we've gone ahead and created our Bolero Account, let's go ahead and customize it to your business.

You will only need to do this once and once it has been set, it will be remembered for future sessions.

To customize your account, **click** on the **Preferences** link in the upper right hand corner.



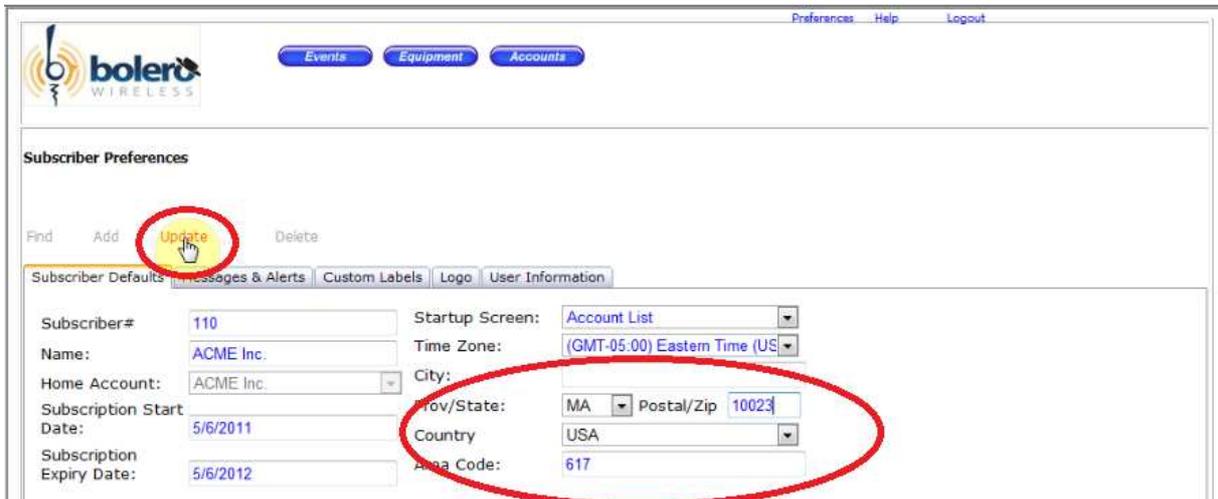
Once clicked, you will be brought to the Subscriber Preferences screen

Basic information can be stored here including the

- Company Name
- The desired startup screen
- Your time zone
- Province/State
- Country
- Zip Code
- Phone Area Code

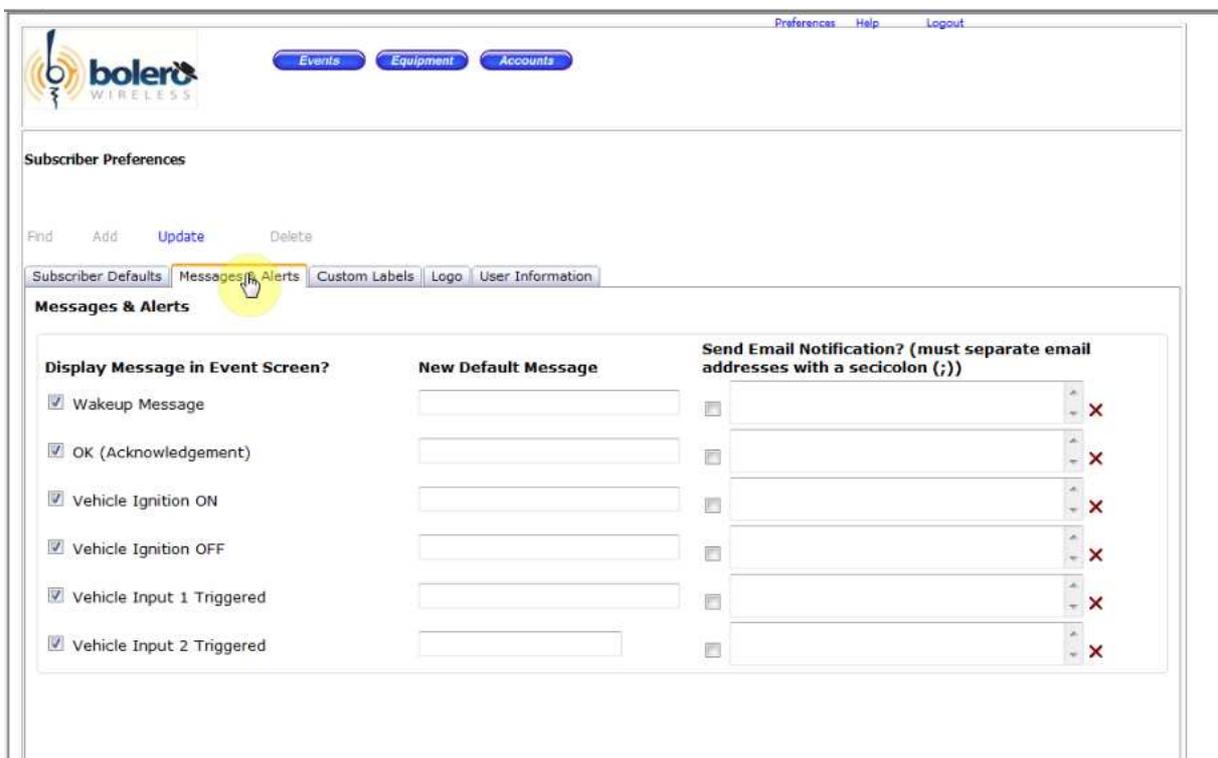
Let's change the default state to Massachusetts, USA along with our zip code and our phone area code. This will be used later on when creating new customer accounts.

Whenever we want to update the information we entered, we're going to click on the Update link so go ahead and **click** on the **Update** link now.



Now that we've updated our information let's go ahead and see what else we can do in this screen.

We have a "Messages and Alerts" tab area here which we will get into at later lessons. It's used to send email messages when certain events occur on the GSM modem.



We have the "Customer Labels" tab here so you can customize certain labels to what your business does. Maybe in your business you are tracking volume levels so you would want to change the default labels here.

Subscriber Preferences

Find Add Update Delete

Subscriber Defaults Messages & Alerts **Custom Labels** Logo User Information

**Equipment Summary Screen Labels**

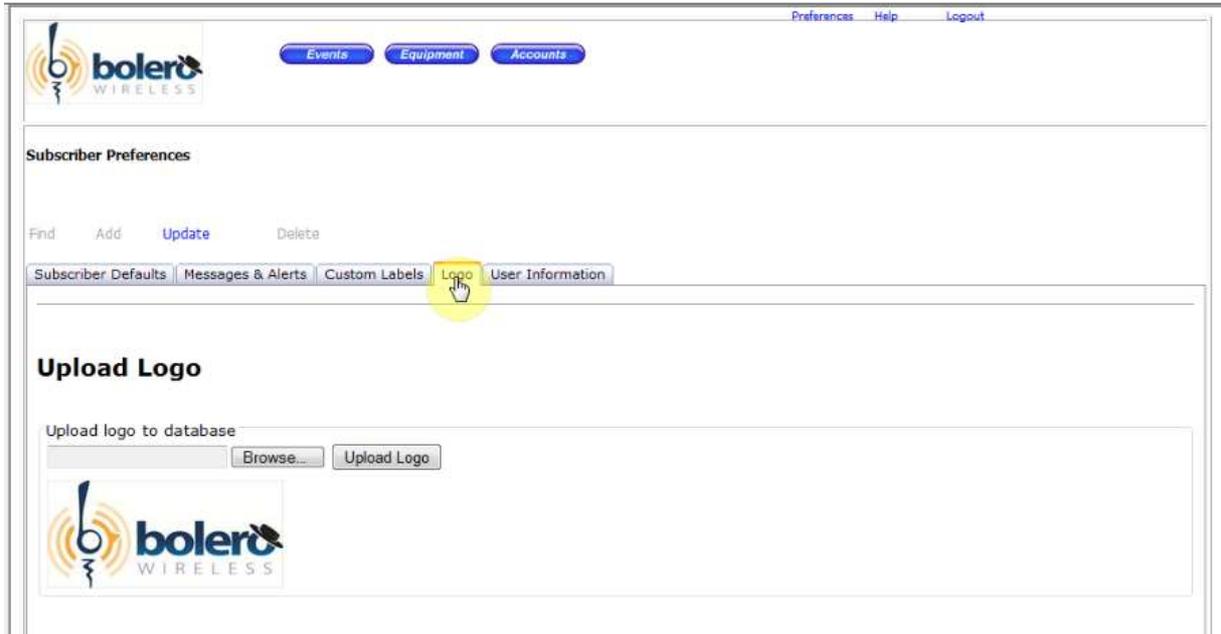
Label	Default Value	New Value
Label 1:	Equipment On	<input type="text"/> X
Label 2:	Equipment Off	<input type="text"/> X
Label 3:	Total Run Time	<input type="text"/> X
Label 4:	GPS?	<input type="text"/> X
Label 5:	Input 1	<input type="text"/> X
Label 6:	Input 2	<input type="text"/> X
Label 7:	Map	<input type="text"/> X

**Event List Screen Labels**

Label	Default Value	New Value
Label 1:	Event Count	<input type="text"/> X
Label 2:	Total Washes	<input type="text"/> X
Label 3:	Message List	<input type="text"/> X

We will get into this in a later on lesson.

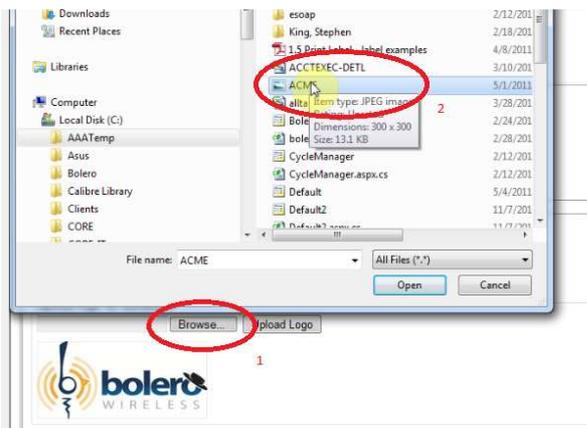
The Logo tab is where you can change the logo that shows up in the upper left hand corner of the interface. With this you can brand your site to what you want.



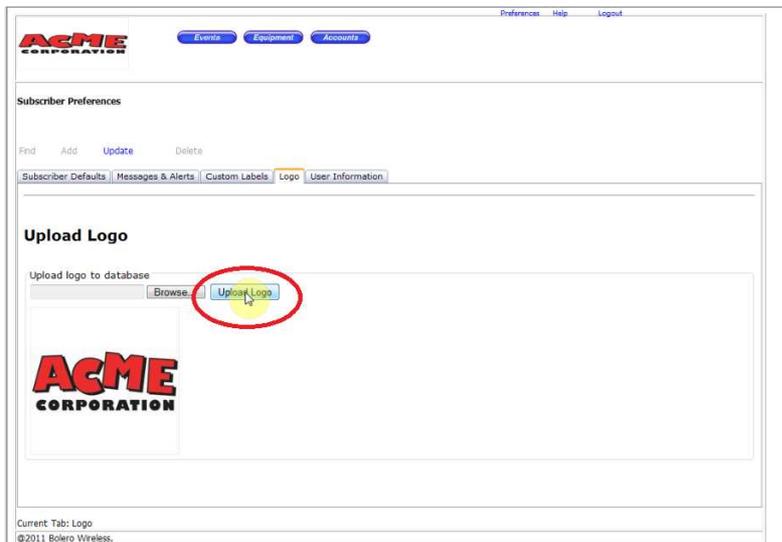
Let's go ahead and update our logo.

We happen to have a logo for ACME. To upload it, **click** on the **Browse** button and navigate to the logo location. It needs to be one of the standard logo types, jpeg, png, etc

So let's go ahead and select it.

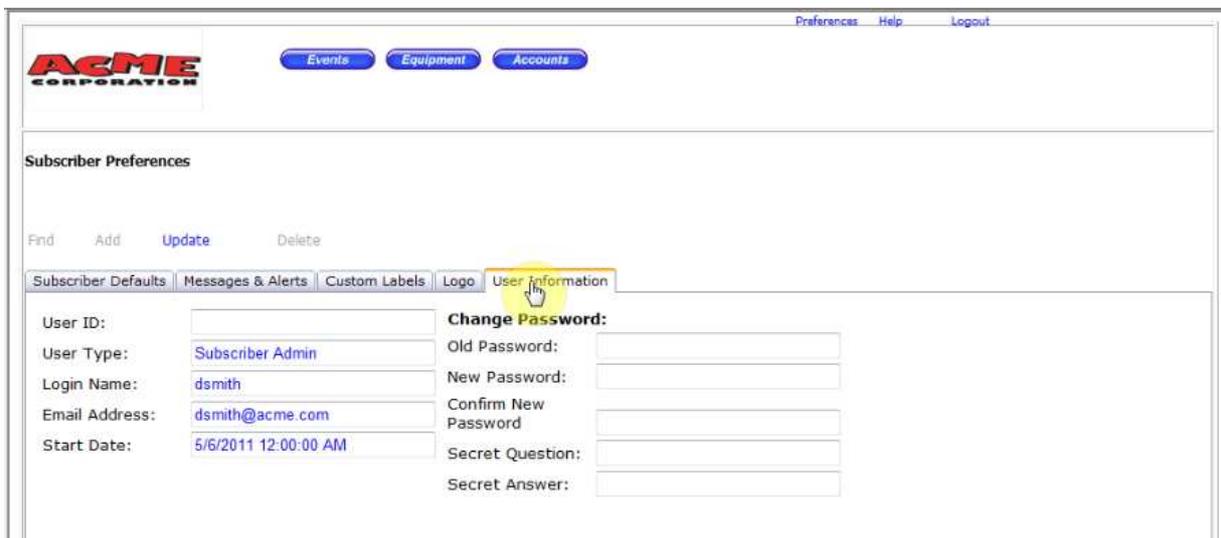


When done, **click** on the **Upload Logo** button.



Once uploaded, you'll see that the Acme logo has changed in the upper left hand corner of the interface.

The final tab is the User Information tab.



You'll use this tab to change your password. You can also add in your secret question and secret answer if you would like to help remember what your password is if you forget it later on.

That's about it for now on Preferences. Let's **click** back to our **Help** section to get ready for the next Lesson.

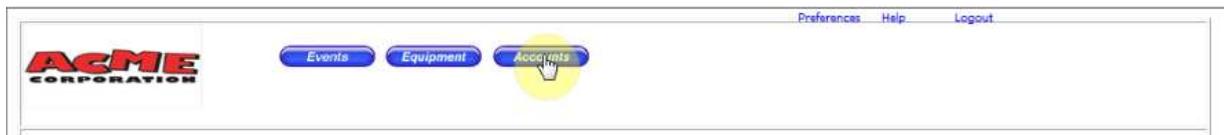
When you are done, remember to **click** on the **Logout** link.



## Lesson 003 - Updating and Creating an Account

The next step in the workflow is to create an account. This will be for the company you will be installing the device or devices at.

Creating the account is easy so let's go ahead and see how we can create a user customer account.



**Click** on the **Accounts** button in the upper part of the screen and you'll be brought to the Account List screen. Here you will see by default the account that the system automatically created for the new company ACME Inc.

Let's go ahead and finish up filling in and updating the information for ACME.



To get to the Account Maintenance screen, **click** on either the **Pencil icon** or on the **Company Name** link. This is the same process on all list based screens.

On this screen, you can enter the various information about the client including the company name, phone number, address information, etc.

We will not complete all the fields in this lesson but you can fill it in if you have that information.

To update the information we just entered, **click** on the **Update** link and it will be updated in the database.

The screenshot shows the 'Edit Account' page for ACME Inc. The form includes the following fields and controls:

- Buttons:** Events, Equipment, Accounts (top); Add, Update (circled in red), Delete (left); Details, Locations, Custom, Notes (tabbed).
- Account Information:** Account# (1001), Company Name (ACME Inc. with a green checkmark circled in red), Main Phone ((617) 883-2232), Corp#, Availability.
- Contact Information:** Contact Name (Fred), Address (1334 Main Street), Address Line 2, Direction, Cross Street, City (Boston), State/Prov (MA), Zip (10012-), Country (USA).
- Account Settings:** Acct Status (Active), Modem Serial#, Acct. Ref#, Alt. Phone, Fax, Website, Email (dsmith@acme.com).

Another way of updating is by **clicking** on the **Green** check mark. Use whichever method you prefer.

To go back to the Account list, **click** on the **Accounts** button in the top part of the screen. Notice that the account information for ACME has been updated.



Now that we have updated our company information, let's go ahead and create a new account....



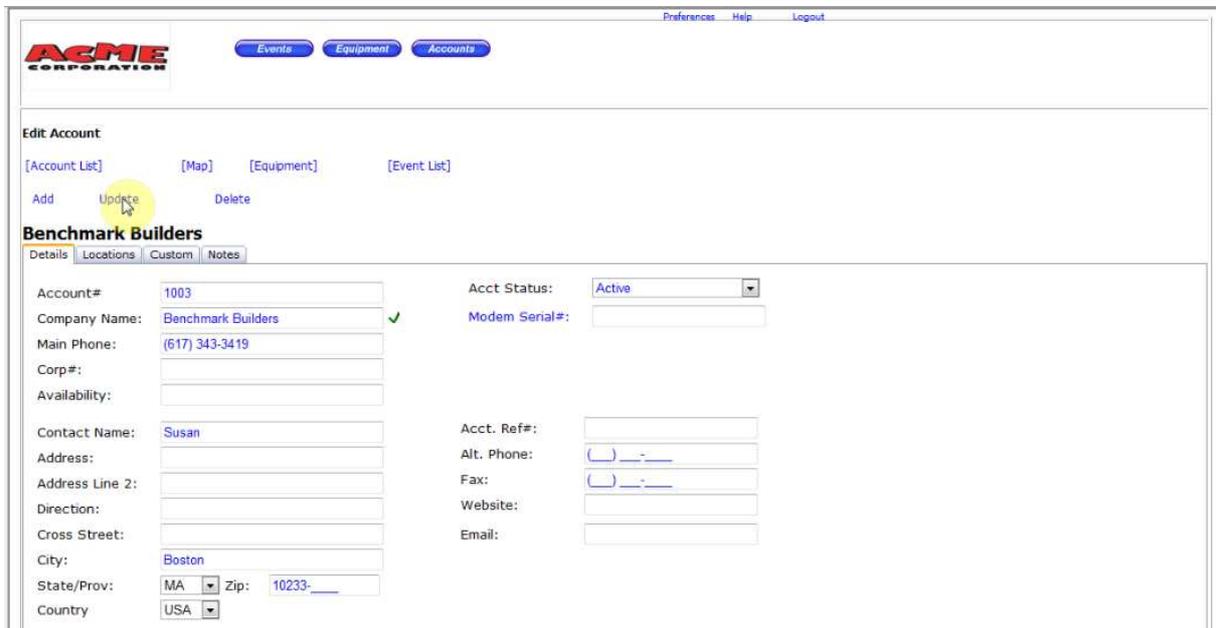
To add the new account, **click** on the **New Account** link.

In our example, we are creating an account for "Benchmark Builders" whom we have leased a large dump truck to.

The contact name is Susan.

Phone number is 617-343-3419

Once you have finished, **click** on the **Update** link.



You will notice that the new Account will be created and a new Account Number will be generated for this customer.

That is it for this lesson.

In the next lesson we're going to go ahead and enter the equipment for this new customer that we're going to use to monitor.

## Lesson 004 - Creating the Equipment Record

Lesson four is a similar process to creating an account but now we're going to create an Equipment record for the equipment ACME will be leasing.

You can get to the Equipment screen by **clicking** on the **Equipment** button in the upper part of the screen,



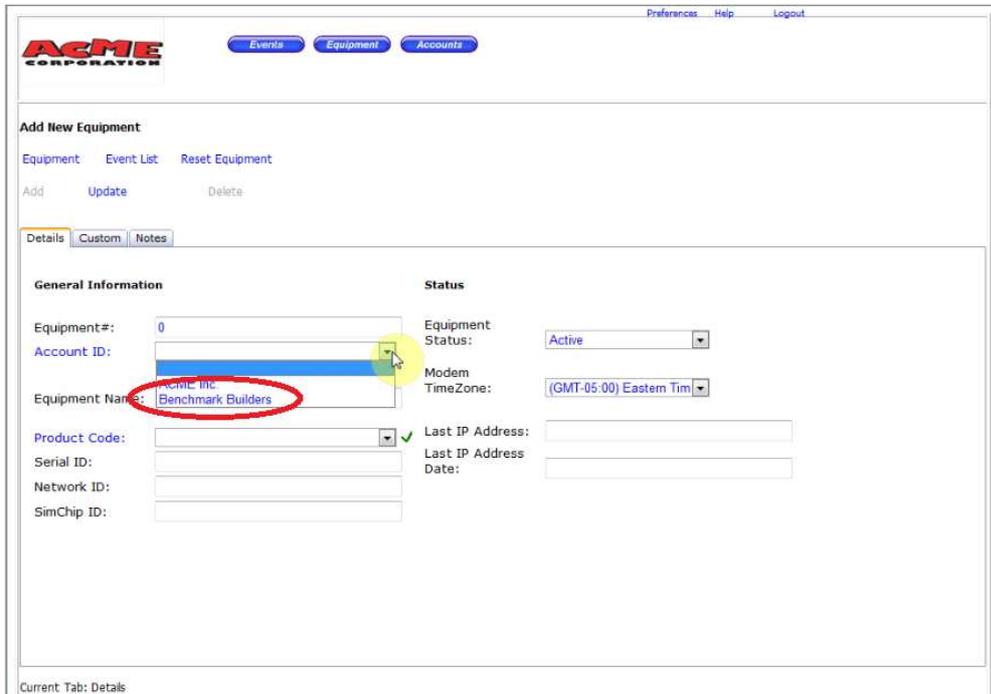
By default, you will notice that our equipment list is empty.

Let's go ahead and create a new piece of equipment for the Benchmark Builders Account we created in the previous lesson.

**Click** on the **New Equipment** link in the Equipment List screen. This will bring you to the Equipment Maintenance screen.



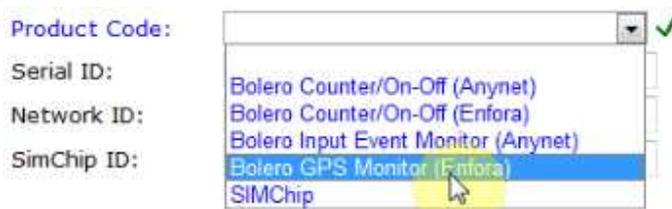
Select the Benchmark Builders account from the **Account drop-down list**. This dropdown list will grow as more Accounts are added to the system.



We're leasing Truck serial "DT2342". We'll enter that in the Equipment name.

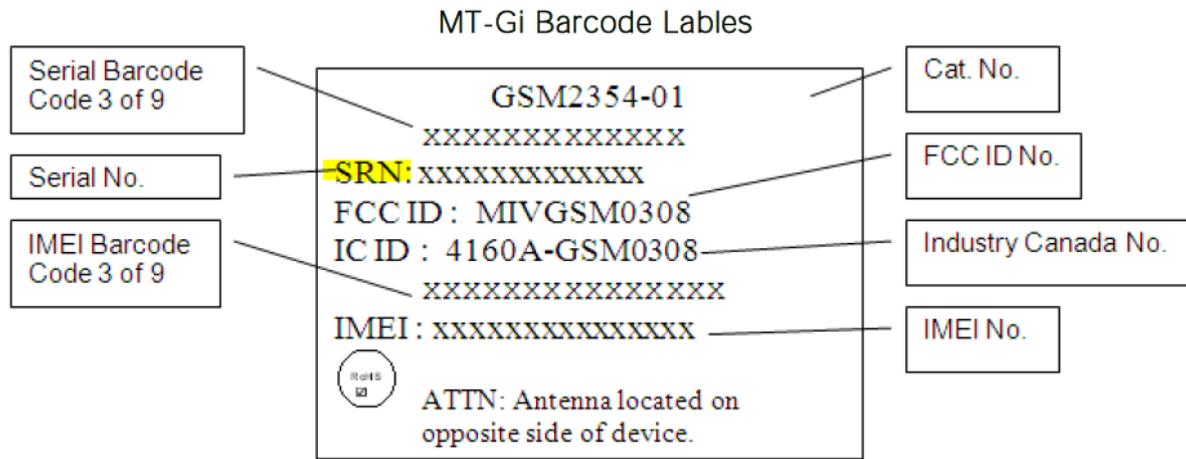
Since this is a Vehicle monitored equipment, **select Bolero GPS Monitor** from the **Product Code drop-down list**.

Since we've installed the Bolero GPS Monitor device on the vehicle, we select the option that says, "**Bolero GPS Monitor**" from the Product Code drop down list.



You will now need to record the serial number of the device you will be monitoring.

Your device was shipped with a sticker on the back of that looks like what is shown in the following image.

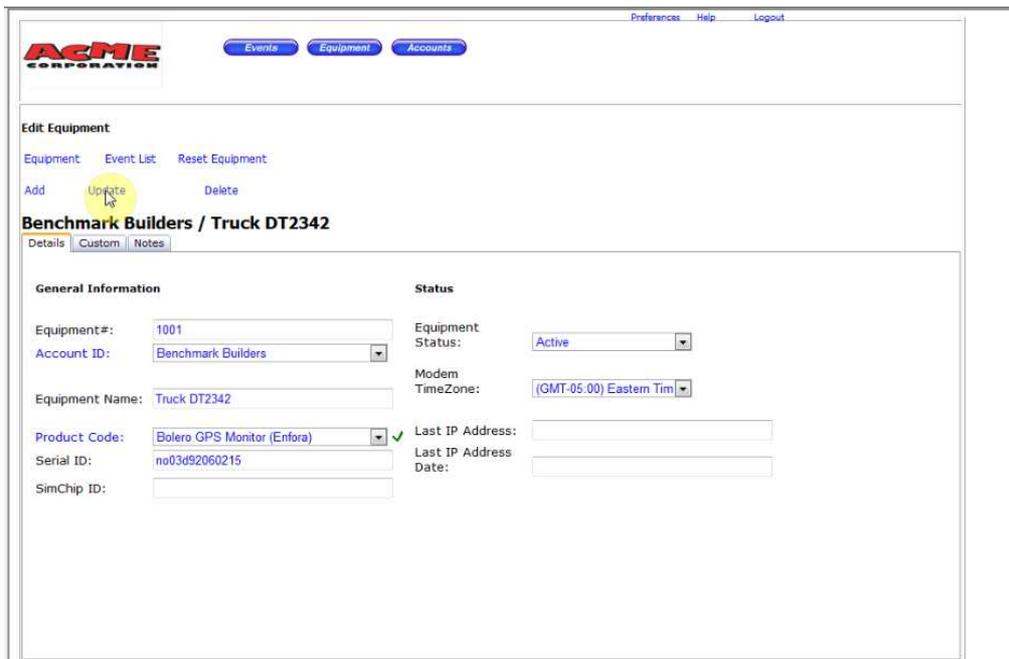


Enter the code found after the **SRN:** code usually 13-16 digits long.

Please double check that number as it must to be exact. If an incorrect value is entered, the system will not be able to track the device for you.

You'll notice a SIM Chip number value can be entered. We will talk about managing SIM Chips in a future lesson.

Go ahead and **click** the **Update** link to update the database.



You now have the modem set up and you can start monitoring it.

In the next lesson we're going to talk a little bit more about how to monitor the Bolero modem in the vehicle or installed in the remote fixed asset.

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## Lesson 005 – Installing the Enfora GSM1318 SA-G+

The Enfora GSM1318 SAG+ measures 2.5" x 2.5" x 1" and is ideal for applications that do not require GPS.

This unit operates on the GSM/GPRS cellular network similar to a cell phone and can be installed virtually anywhere there is a cellular signal.

This program has been programmed to allow for counts to be recorded, as well as to trigger an output on the remote equipment (turn on and turn off the equipment remotely)

A Bolero representative would be pleased to discuss your business requirements in more detail to recommend the best configuration for your environment.



Figure 1 and 2 – Front and Back View

### SIM Chip Installation

You must insert a SIM Chip in order for the device to register on the cellular network. You can Insert the SIM Chip as illustrated in the following diagram.



Figure 3 – Inserting the SIM Card

### Antennae Installation

Connect the antennae supplied with unit on the female antennae connector found on the front of the unit to the right of the SIM Card slot. Additional of different lengths and strength may be purchased to suit your requirement. Please contact your Bolero representative.



Figure 4 - Installing the GSM/GPRS Antennae

### Eight Pin Molex Connector and RS232 Port

On the left side of the unit is the eight (8) Pin Molex connector. This connector is used to power the unit, as well as to interface to the equipment you will be installing the device on. You may create your own connector or purchase a pre-made wire and molex connector from Bolero. The RS232 can be found on the right hand side of the unit. It will not be required for your installation.



Figure 5 – Eight Pin Molex and RS232 Connectors

You can make your own cable if required. The following is a list of the parts you would need to make your own cable:

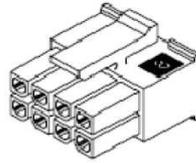
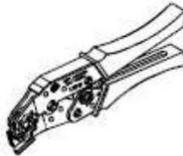
Connector: Manufacturer: Molex Part Number: 43025-0800	
Pins: Manufacturer: Molex Part Number: 43030-0008 20-24 AWG 43030-0011 26-30 AWG	
Crimp Tool: Manufacturer: Molex Part Number: 63811-2800	

Figure 6 – Molex Connector Part List

**Eight Pin Wiring Diagram**

Installing the GSM/GPRS modem in a piece of equipment is a three to four wire installation depending on what your business requirements are. The unit must be connected to a constant power from 6V up to an including 40V. The following diagram is the pin out diagram for the unit.

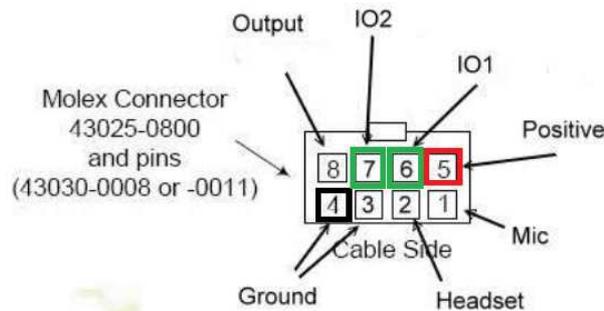


Figure 7 – Pin Out Diagram

The Pin functionality is described in the following table

Pin Number	Functionality	Description
Pin – 1	Not used	
Pin – 2	Not used	
Pin – 3	Not used	
Pin – 4	Ground	Black Wire.
Pin – 5	Supply Voltage	Red Wire. (6 – 40V)
Pin – 6	Counter	(3.3 – 40V)
Pin – 7	Output	(3.3 – 40V)
Pin – 8	Not used	

### Powering Up the Unit

Connect Pins - 4 and Pin – 5 to your power supply as indicated above. Once powered up, a green LED on the front of the unit will flash on and off until a GSM/GPRS signal has been acquired. Once the LED is solid the unit will begin recording and transmitting your business events.



Figure 8 – Powering up the Unit

When first powered on, the unit will commence sending wakeup messages every six (6) minutes for the first ½ hour. After the ½ period, the unit will revert to daily mode and report in two (2) times per day. For more information on how to see the events generated by the GSM/GPRS modem, please see lesson 007 later on in this manual.

## Lesson 006 – Installing the Enfora GSM2354 Mt-Gi

Two versions of the Enfora GPS modem exist that have been certified by Bolero. One includes an internal antennae (also known as the Mt-Gi) and the other includes an external antennae (the Mt-Gu). The only difference between the two units is the antennae configuration. In both cases, the antennae may be purchased from Bolero Wireless. Please contact your Sales Representative for more information.

The unit with the internal antennae is ideal for installation in an outdoor vehicle where a line of sight to the sky is available. The unit with the external antennae is ideal for applications where the unit is installed indoors where the antennae can be installed outdoors.

In either case, the wiring schematics instructions outlined here are applicable to both units.

The Enfora Mt-Gi and Mt-Gu both measures 2.5" x 2.5" x 1" and is ideal for applications that require Global Positioning Satellite (GPS) technology in a mobile or fixed asset.

These units operates on the GSM/GPRS cellular network similar to a cell phone and can be installed virtually anywhere there is a cellular signal. These units also have GPS capabilities that can be used to locate the GPS coordinates of a mobile asset in the field and be shown on a Google maps.

These units includes 2 inputs, as well as an ignition sense input that can be used to calculate the run-time of a particular piece of equipment in the field.

A Bolero representative would be pleased to discuss your business requirements in more detail to recommend the best configuration for your environment.



Figure 1 and 2 – Front and Back View

### **SIM Chip Installation**

You must insert a SIM Chip in order for the device to register on the cellular network. You insert the SIM Chip as illustrated in the following diagram.



Figure 3 – Inserting the SIM Card

### **Antennae Installation**

The Mt-Gi includes an internal antennae to facilitate installation. There must be a direct line of sight to the sky in order for the GPS signal to be acquired. The unit can be installed within a non-metallic container (i.e., under the dash of the vehicle). The Mt-Gu can be installed with an external GSM and GPS antennae for install locations where a direct line of sight is difficult or where the unit is installed in a metal enclosure.

### **Eight Pin Molex Connector**

On the back of each unit is the eight (8) Pin Molex connector. This connector is used to power the unit, as well as to interface to the equipment you will be installing the device on. You may create your own connector or purchase a pre-made wire and Molex connector from Bolero.



Insert Power Cable

Figure 4 – Eight Pin Molex Connector

You can purchase a pre-made 3 or 6 foot wire with the Molex connector already installed or you can make your own cable if required. The following is a list of the parts you would need to make your own cable:

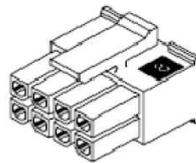
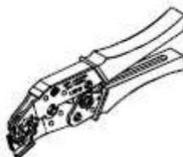
Connector: Manufacturer: Molex Part Number: 43025-0800	
Pins: Manufacturer: Molex Part Number: 43030-0008 20-24 AWG 43030-0011 26-30 AWG	
Crimp Tool: Manufacturer: Molex Part Number: 63811-2800	

Figure 5 – Molex Connector Part List

**Eight Pin Wiring Diagram**

Installing the GSM/GPRS modem in a piece of equipment is a two to five wire installation depending on what your business requirements are. The unit must be connected to a constant power from 7V up to and including 40V. The following diagram is the pin out diagram for the unit.

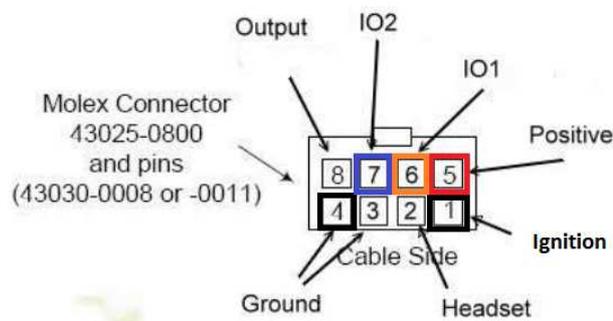


Figure 6 – Pin Out Diagram

The Pin functionality is described in the following table:

Pin Number	Functionality	Description
Pin – 1	Ignition	White wire. Tied to the ignition of the vehicle, pump power, etc.
Pin – 2	Not used	
Pin – 3	Not used	
Pin – 4	Ground	
Pin – 5	Supply Voltage	Red wire. IO1. (7– 40V)
Pin – 6	Input 1	Orange wire. IO2. (3.3 – 40V)
Pin – 7	Input 2	Blue wire. Switched to Ground
Pin – 8	Not used	

### Powering Up the Unit

Connect Pins - 4 and Pin – 5 to your power supply as indicated above. Once powered up, the middle Red LED on the front of the unit will turn on. After the unit has received power, the USR1 LED to the left of the Power LED will flash on and off green until a GSM/GPRS signal has been acquired. Once the LED is solid Green, the unit will as acquired a lock and is ready to transmit your business events. Once a lock on the satellite has been achieved, the USR2 LED will turn to solid blue.



Figure 7 – Powering up the Unit

**GPS/GSM/GPRS Mt-Gu with External Antennae**

The Enfora Mt-Gu is the same in terms of functionality as the Mt-Gi, but includes the ability to install a GSM and GPS external antennae. You will use this GPS/GSM/GPRS modem when you are finding it difficult to acquire or lock on to a GPS or cellular signal or where the unit must be installed in a metal enclosure. The Power up process remains the same. The middle LED will light Red when powered up, the left LED will flash green when acquiring a GSM signal, and will turn solid when a signal has been acquired. Finally, the LED on the right will turn Red once a lock on the satellite is acquired.



Figure 8 – Enfora Mt-Gu

This unit includes two external antennas. These antennas can be purchased from Bolero Wireless if necessary. The antennae on the left with the blue connector is the GPS antennae while the antennae on the right with the purple connector is the GSM antennae.

**Setting Up for Lesson 007**

Lesson 007 assumes that you are using either the Mt-GI or the Mt-Gu GPS/GSM/GPRS Modem, that it has been powered up and that that Pin – 1, the ignition, has been wired to a switch that can send 12V. With this setup, you will be able to follow along with the lesson.

The complete wiring diagram for this modem is depicted in the following diagram.

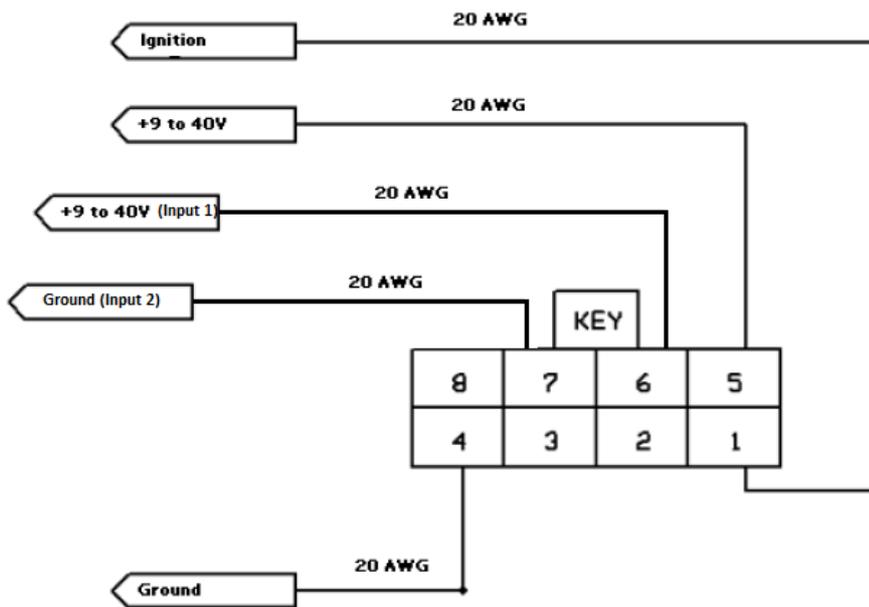


Figure 9 – Enfora GPS Wiring Diagram

If you are using the SA-G+ unit (counter unit), the lesson will remain largely the same, but the events generated by the unit will be different.

## Lesson 007 - Generating and Viewing Events

In this Lesson, you will learn how to generate and view events in the Bolero portal.

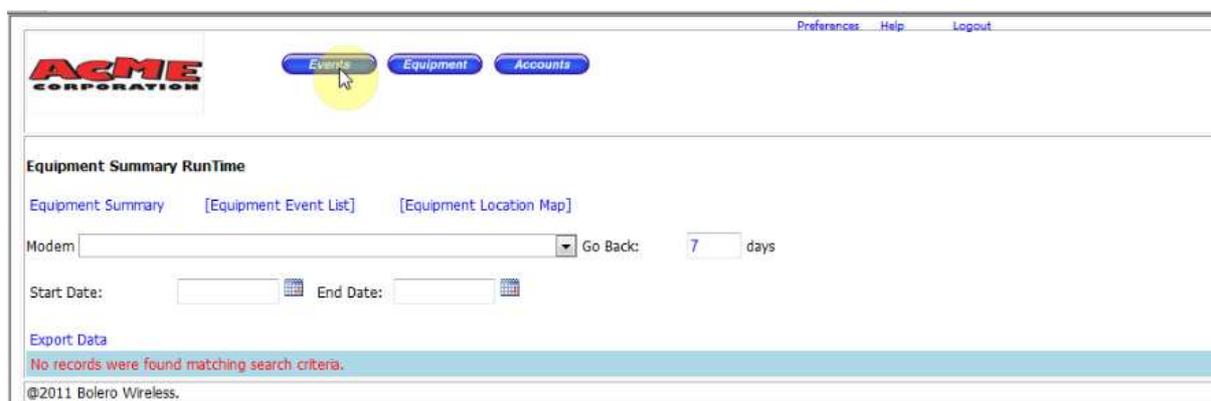
Once a Bolero device has been installed in the field, it will begin to transmit events when various events occur.

In the case of the Bolero GPS Monitor, events can be triggered when the ignition is turned on and off or when inputs 1 or 2 are triggered.

In the case of the Bolero Cycle Manager, the counter is transmitted to the back end every 12 hours or when other events occur.

In both cases, all messages can be displayed in the Events section of the portal.

**Click** on the **Events** button in the upper section of the screen. You will notice that no events are displayed. This is normal.



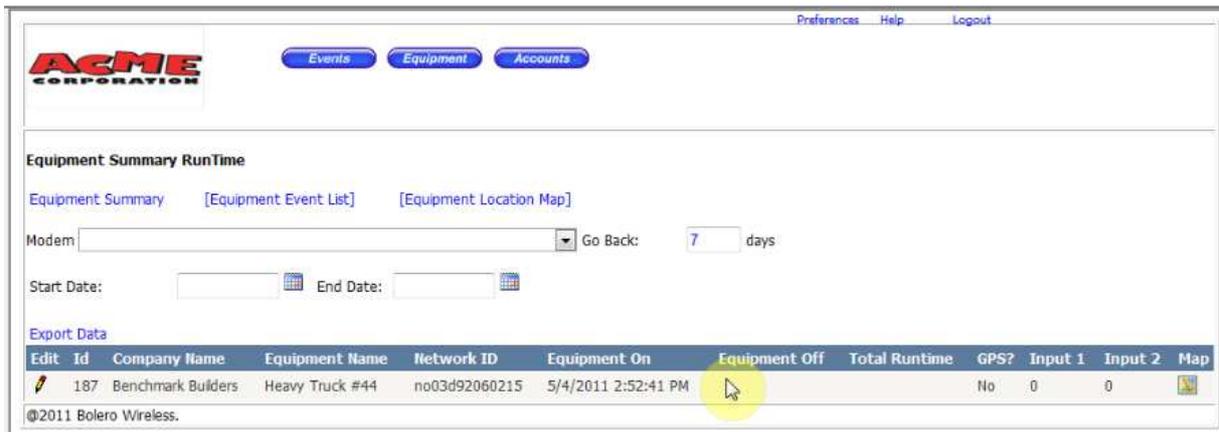
We will trigger some events in the Web portal now

(Please note: In this lesson, we will be demonstrating the Bolero GPS Monitor modem. It has been wired to a simple rocker switch).

Let's go ahead and turn on the ignition on this device.

In order to see the "Ignition On" message we just triggered, we need to refresh our web page.

**Press** the **F5** key on your keyboard or select the option to refresh your browser to refresh the page.

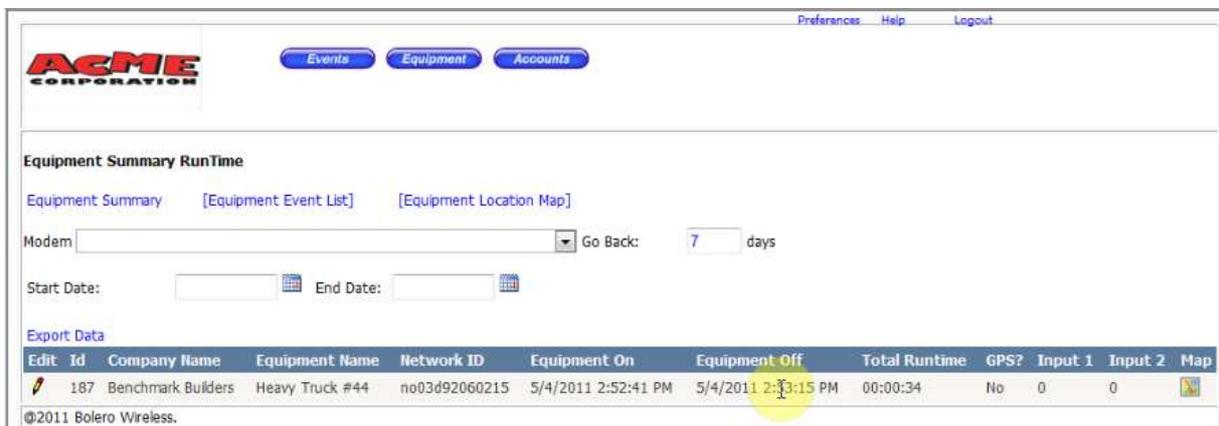


You will notice that a new record is displayed documenting the date/time the ignition was activated on this particular piece of equipment.

Every piece of equipment you monitor using Bolero devices will show up here.

Let's go ahead and turn the ignition off on the device.

Now, **press** the **F5** key again and you'll see the message updated with the date/time the equipment was turned off.



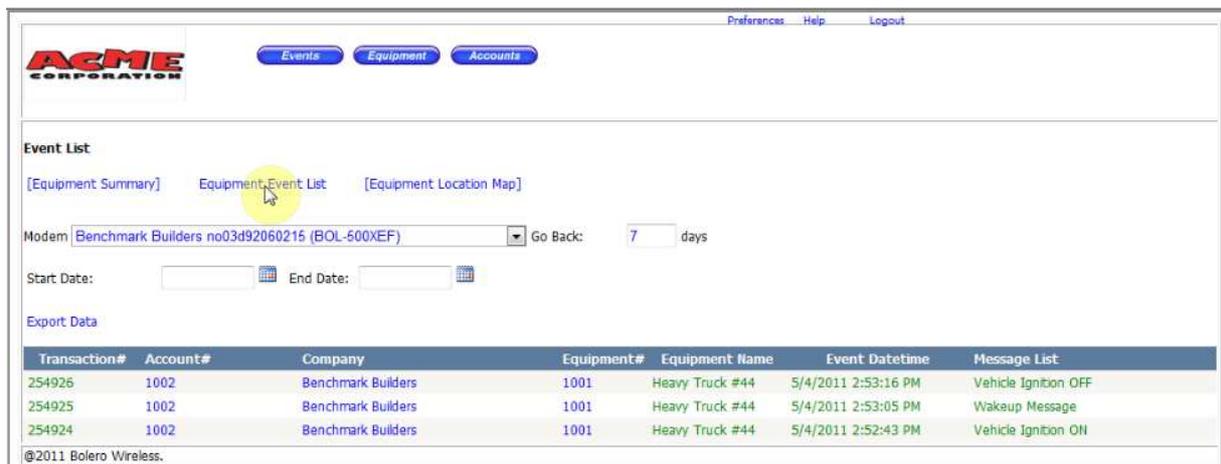
If you do not see the message updated, **press** the **F5** key again until the message has been updated.

For GPS signals, it typically takes a few minutes for a lock to occur on the satellites depending on how clear it is and how good the line of sight is to the sky.

If there was a GPS signal acquired, the GPS Column would show the value Yes. In our session the GPS column is set to No meaning it did not get a lock on a satellite. We will talk about this later on in the lesson.

Triggering inputs on Pins 6 and 7 on the Bolero GPS Monitor will also generate events in the user interface. These events could be tied to real life events like a float switch activating, or a pressure switch activating.

To view the individual events that occurred, **click** on the **Equipment Event List** Link.



This screen lists all the individual event s that occurred in the last 7 days.

In our case, the ignition came on, the unit woke up and ignition was turned off.

The date and time of each event will be listed here as well.

All the individual events generated in the system will be shown in the Equipment Event List.

The summary of all ignition on/off and a summary of the input 1 and 2 events will be shown in the Equipment Summary List

To see some GPS events, let us log into the demo account.

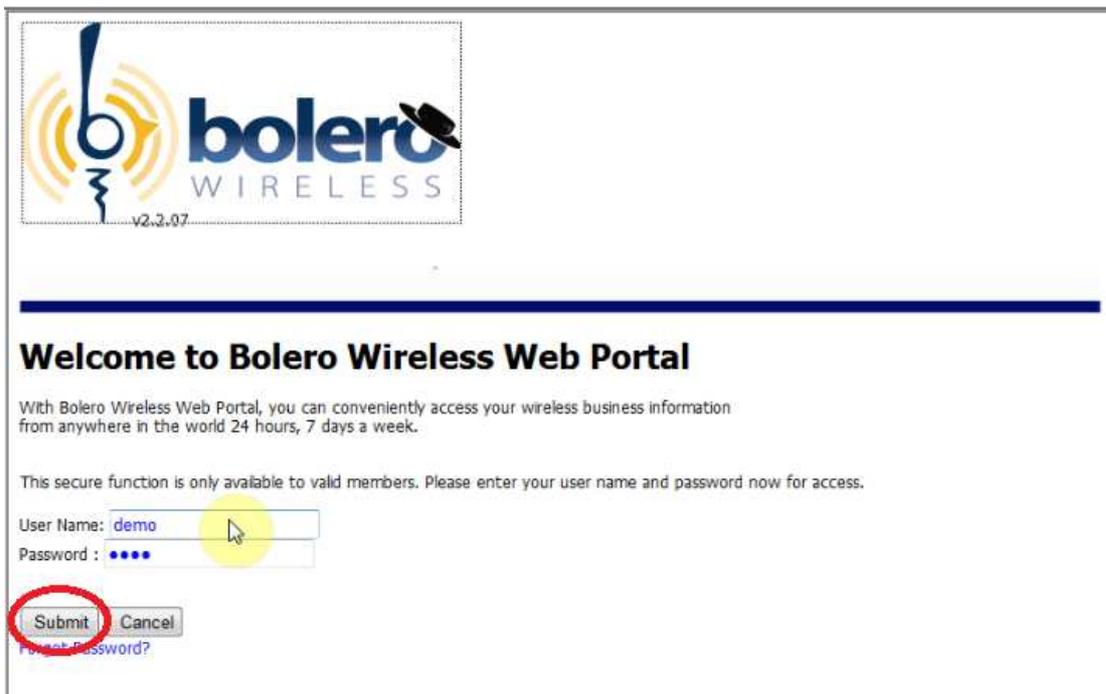
Click on the **Logout** link...



Then **click** on the **Login** link...



Sign on as username: **demo** with a password of **demo**.



Click the **Submit** button.

As you can see we've been testing various units here at Bolero, there are many events that have gone on.

Edit	Id	Company Name	Equipment Name	Network ID	Vehicle On	Vehicle Off	Run Time	GPS?	Overweight	Collision	Map
	186	Vehicle Monitor Acct	Delivery Truck #4454	no03d92060215	5/4/2011 8:32:01 AM	5/4/2011 8:33:17 AM	00:01:16	No	0	0	
	185	Vehicle Monitor Acct	Delivery Truck #4454	no03d92060215	5/3/2011 11:39:21 PM			No	0	0	
	184	Vehicle Monitor Acct	Delivery Truck #4454	no03d92060215	5/3/2011 11:38:47 PM	5/3/2011 11:39:12 PM	00:00:25	Yes	0	0	
	183	Vehicle Monitor Acct	Delivery Truck #4454	no03d92060215	5/3/2011 7:56:57 PM			No	0	0	
	182	Vehicle Monitor Acct	Delivery Truck #4454	no03d92060215	5/3/2011 5:24:29 PM	5/3/2011 5:25:12 PM	00:00:43	Yes	0	0	
	181	Vehicle Monitor Acct	Delivery Truck #4454	no03d92060215	5/3/2011 5:17:23 PM	5/3/2011 5:23:13 PM	00:05:50	Yes	0	0	
	180	Vehicle Monitor Acct		no03d92060215	5/2/2011 8:49:50 PM			Yes	0	0	
	179	Vehicle Monitor Acct		no03d92060215	5/2/2011 8:39:54 PM	5/2/2011 8:49:35 PM	00:09:41	Yes	0	0	
	178	Vehicle Monitor Acct		no03d92060215	5/2/2011 8:35:47 PM	5/2/2011 8:39:30 PM	00:03:43	Yes	0	0	
	177	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	5/2/2011 8:04:49 AM	5/2/2011 9:36:39 AM	01:31:50	No	0	0	
	176	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	5/1/2011 10:58:17 PM	5/1/2011 10:58:47 PM	00:00:30	No	0	0	
	171	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	5/1/2011 7:19:08 PM	5/1/2011 7:45:33 PM	00:26:25	Yes	0	0	
	170	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	5/1/2011 6:45:51 PM	5/1/2011 6:47:44 PM	00:01:53	No	0	0	
	169	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	5/1/2011 6:36:59 PM	5/1/2011 6:42:35 PM	00:05:36	No	0	0	
	168	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	5/1/2011 4:26:19 PM	5/1/2011 4:47:39 PM	00:21:20	No	0	0	
	167	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	5/1/2011 1:45:23 PM	5/1/2011 4:24:14 PM	02:38:51	No	0	0	
	166	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/29/2011 4:20:22 PM	4/30/2011 4:13:02 PM	23:52:40	Yes	0	0	
	165	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/29/2011 9:12:38 AM	4/29/2011 9:13:42 AM	00:01:04	No	0	0	
	164	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/26/2011 6:54:53 PM	4/27/2011 8:10:59 AM	13:16:06	Yes	0	0	
	163	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/26/2011 8:17:18 AM	4/26/2011 11:23:53 AM	03:06:35	Yes	0	0	
	162	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/25/2011 10:25:43 PM	4/26/2011 8:17:16 AM	09:51:33	Yes	0	0	
	143	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/23/2011 1:03:38 PM	4/23/2011 1:14:36 PM	00:10:58	Yes	0	0	

This is a good time to show you how to navigate pages within a grid view.

If you want to go back in time, **click** on the **2** link at the bottom of the screen for the next page of events in the data base.

	119	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/20/2011 7:35:18 PM	4/20/2011 7:38:05 PM	00:02:47	Yes	0	0	
	117	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/19/2011 3:04:02 PM	4/19/2011 3:05:29 PM	00:01:27	No	0	0	
	116	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/19/2011 2:58:20 PM	4/19/2011 3:04:00 PM	00:05:40	Yes	0	0	
	115	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/19/2011 2:43:19 PM	4/19/2011 2:58:18 PM	00:14:59	Yes	0	0	
	114	Vehicle Monitor Acct	Forklift A0023212	H000026e0879	4/19/2011 11:22:07 AM	4/19/2011 11:46:15 AM	00:24:08	Yes	0	0	

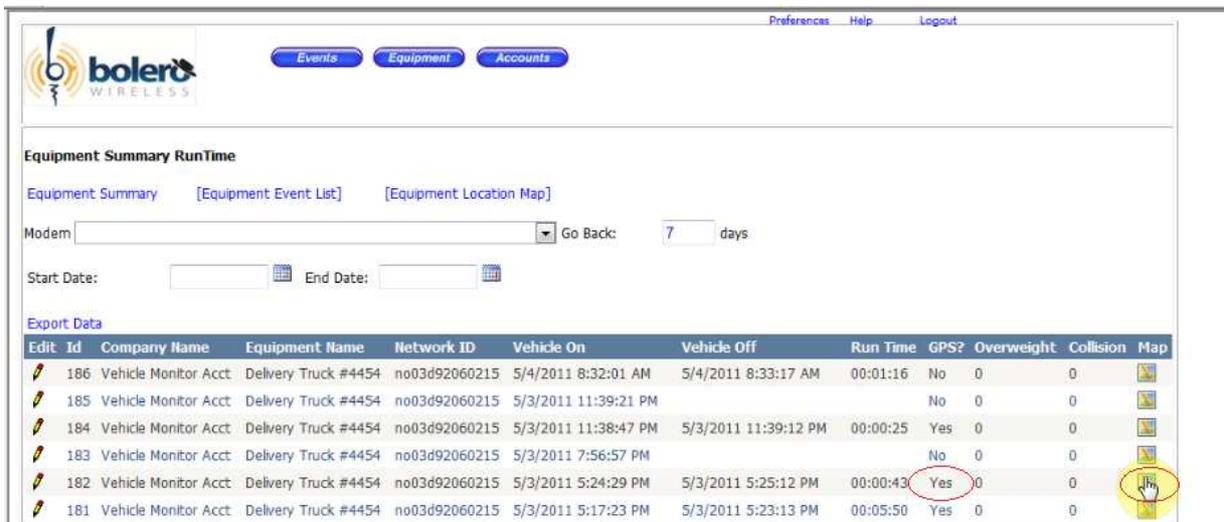
1 2 3  
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Alternatively, you can click on 3 link to get to the very first record for this device in this example.

Let's go back to page 1 by **clicking** on the **1** link

Let's have a look at a GPS event.

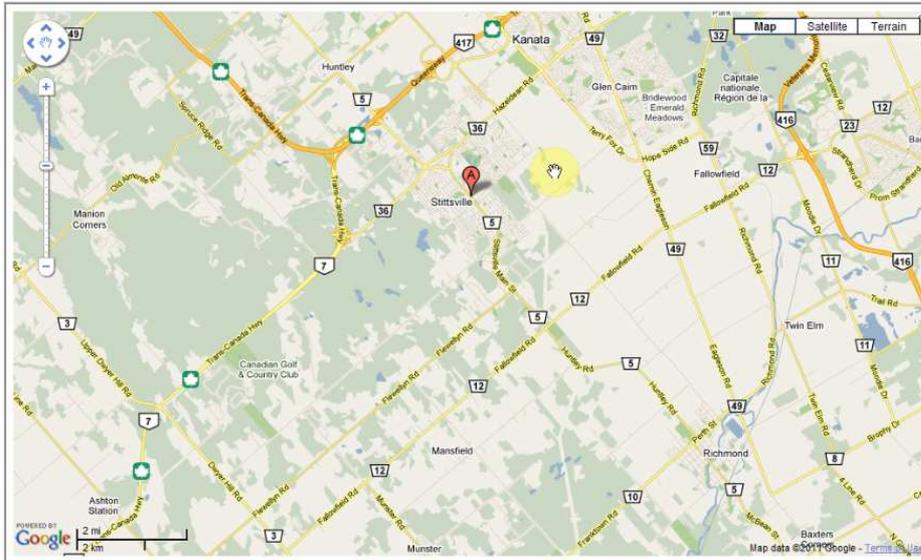
You'll see here that the GPS column has a **Yes**.



You will notice that the Map icon is only activated when the GPS column contains the value Yes. This means that a GPS Lock was acquired while the equipment was on and the ignition was turned off.

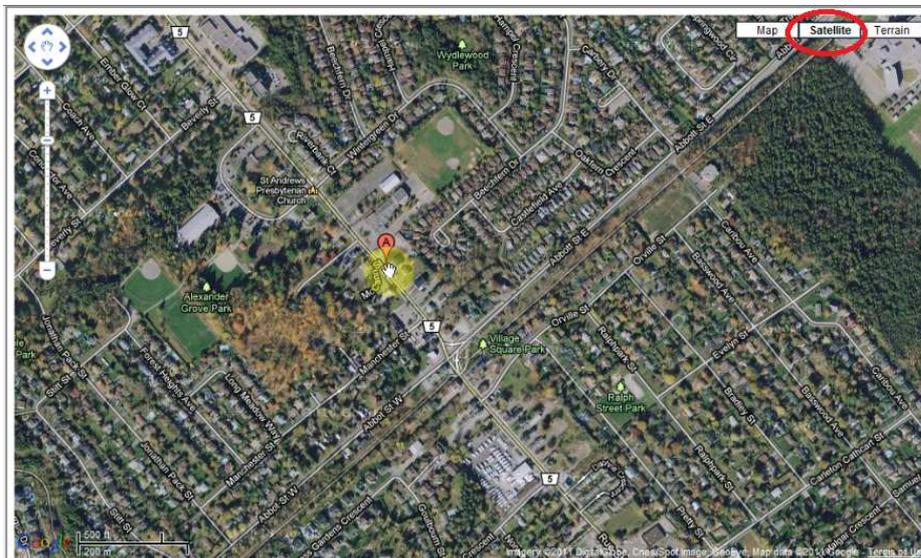
Go ahead and **click** on the **Map icon**.

A new screen is displayed showing us where the device was at that time.



The interface uses Google maps, so we can drill down into the map area by double clicking on the map.

**Click** on the **Satellite** button in the upper left hand corner to switch to the the satellite view.



That ends our lesson on how to generate and view events.

You should now be able to easily view and analyze the business events generated by the Bolero solution.

## Lesson 008 – Customizing the User Interface

In this lesson we will learn how to customize the Bolero User Interface.

Customizing the interface is an optional step and is not required.

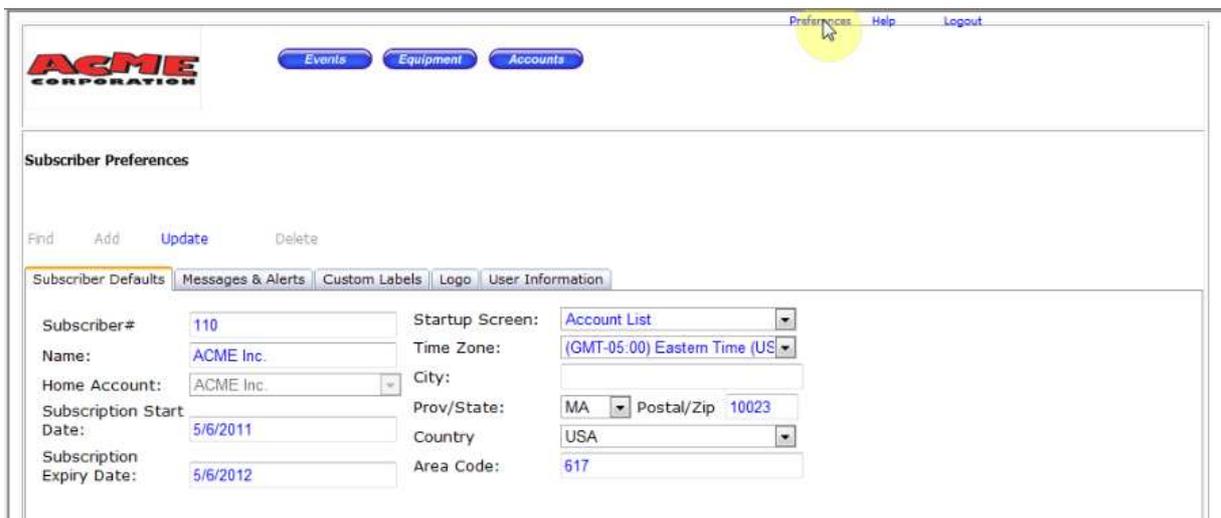
Customizing the user interface will tailor fit it to your business operation.

### Startup Screen

You will notice that when you log into the portal, that the system will immediately bring you to the Account List page.

This option can be customized in the Preferences screen.

**Click** on the **Preferences** link and in this page you can choose the startup screen you wish to display whenever you log in.



You can see that the following screens are available in the Startup Screen drop down list.



For this application, we would prefer that the Equipment Summary List screen is shown by default.

**Click** on the **Startup Screen drop-down** list and **select** the **Equipment Summary screen**.

Click on the **Update** link to update the database.

Now every time you log in, the system will bring you to this screen

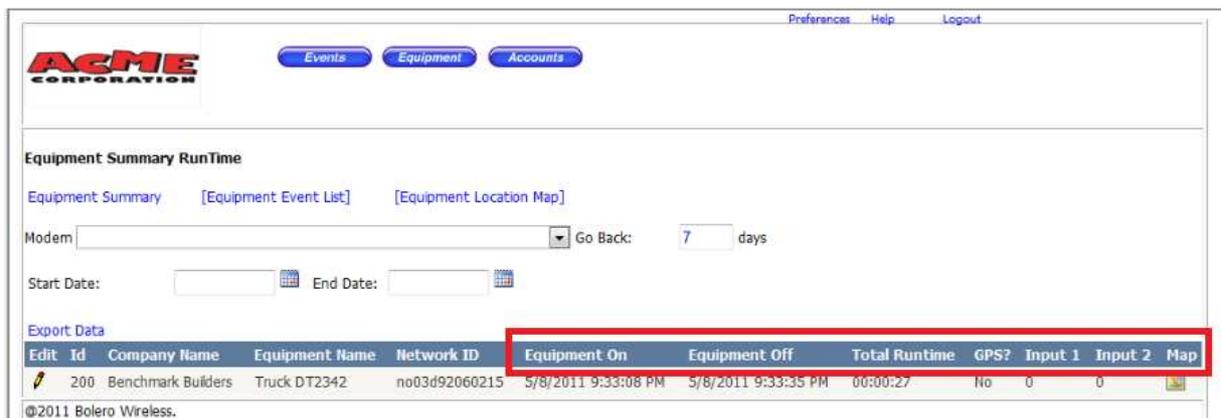
Go ahead and log out and log back in to see this in action.

You will see that we are now by default in the Equipment Summary List screen.

**Labels**

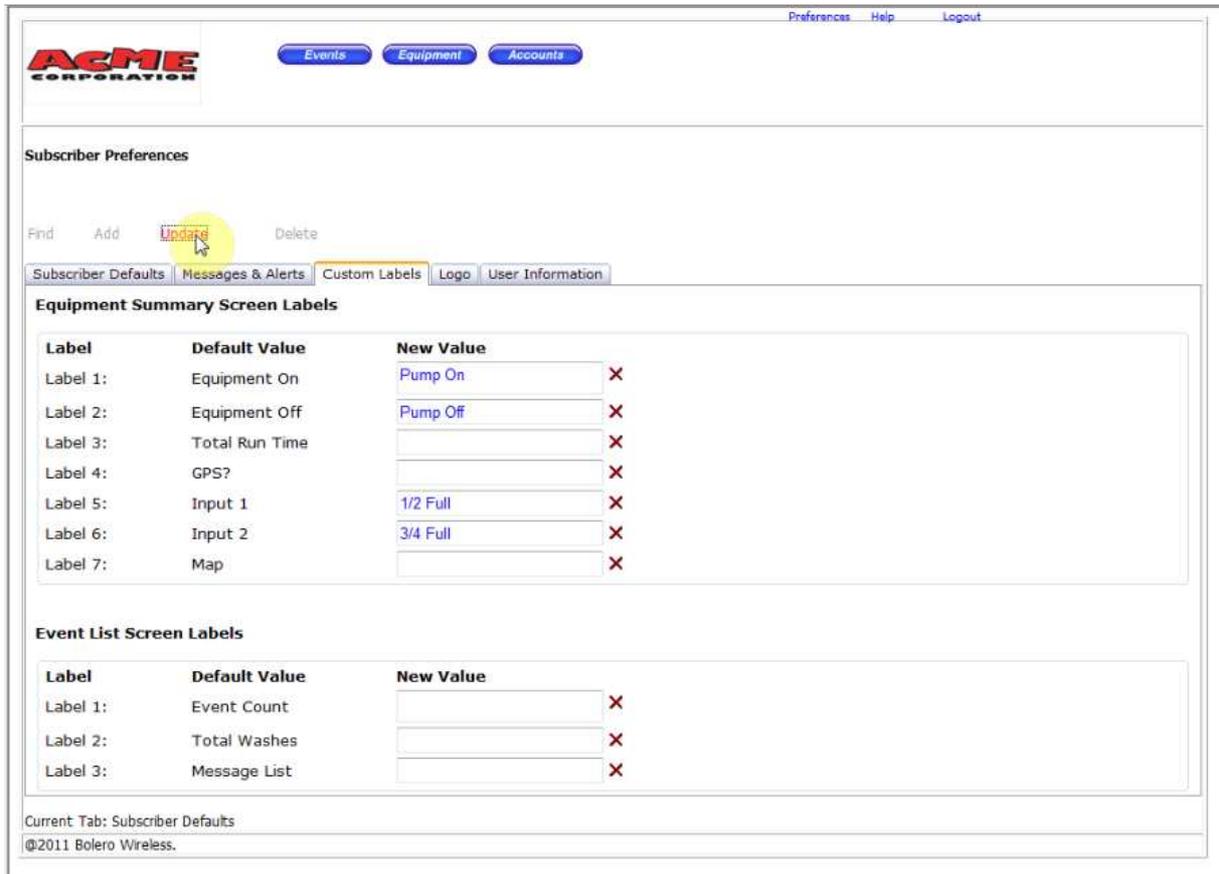
We can further customize the interface by changing the default labels shown in this grid. These labels can be given different values.

Perhaps you are using this website to monitor a pump and a tank monitoring solution. Instead of Equipment On and Equipment Off, we want it to read Pump On and Pump Off.



Another change we would like to make is to change the input labels to ½ Full and ¾ full.

To customize these labels, **click** on the **Preferences** Link, then **click** on the **Custom Labels** tab.



This is the screen where you can customize the labels.

You will see on the left hand side the default label provided.

Let's go ahead and change them to the new values.

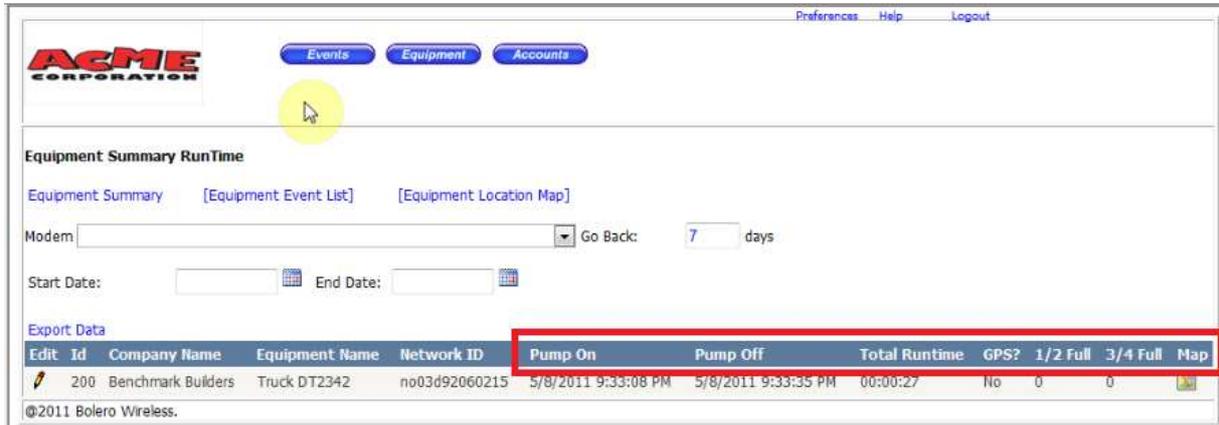
Change Equipment On and Off to Pump On and Off

Change Input 1 to 1/2 full

Change Input 2 to 3/4 full

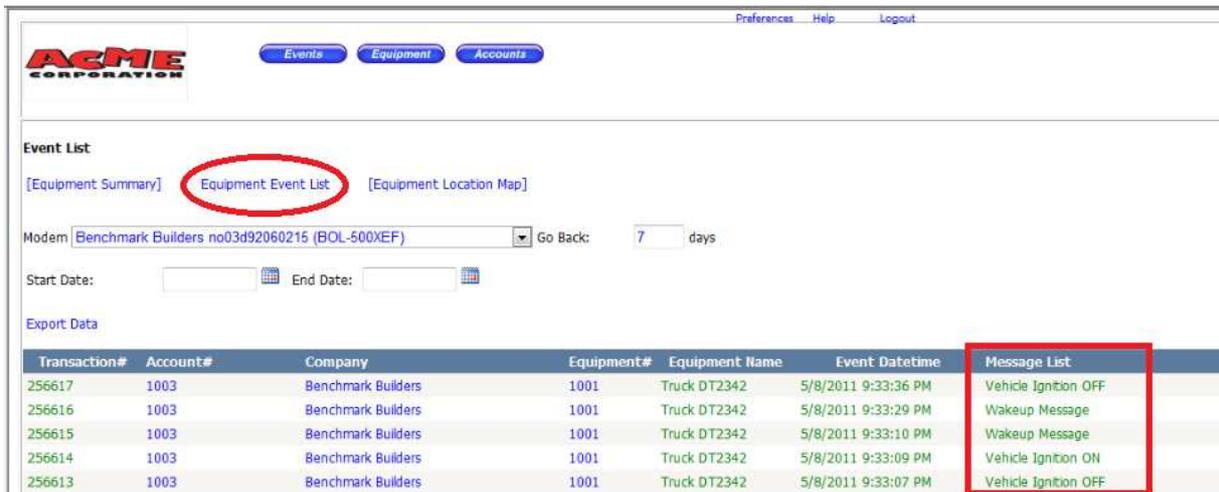
**Click** the **Update** link then **click** on the **Events** button in the upper part of the screen to go back to the Equipment Summary List screen

You will notice that the screen is now displaying the data with the new labels.



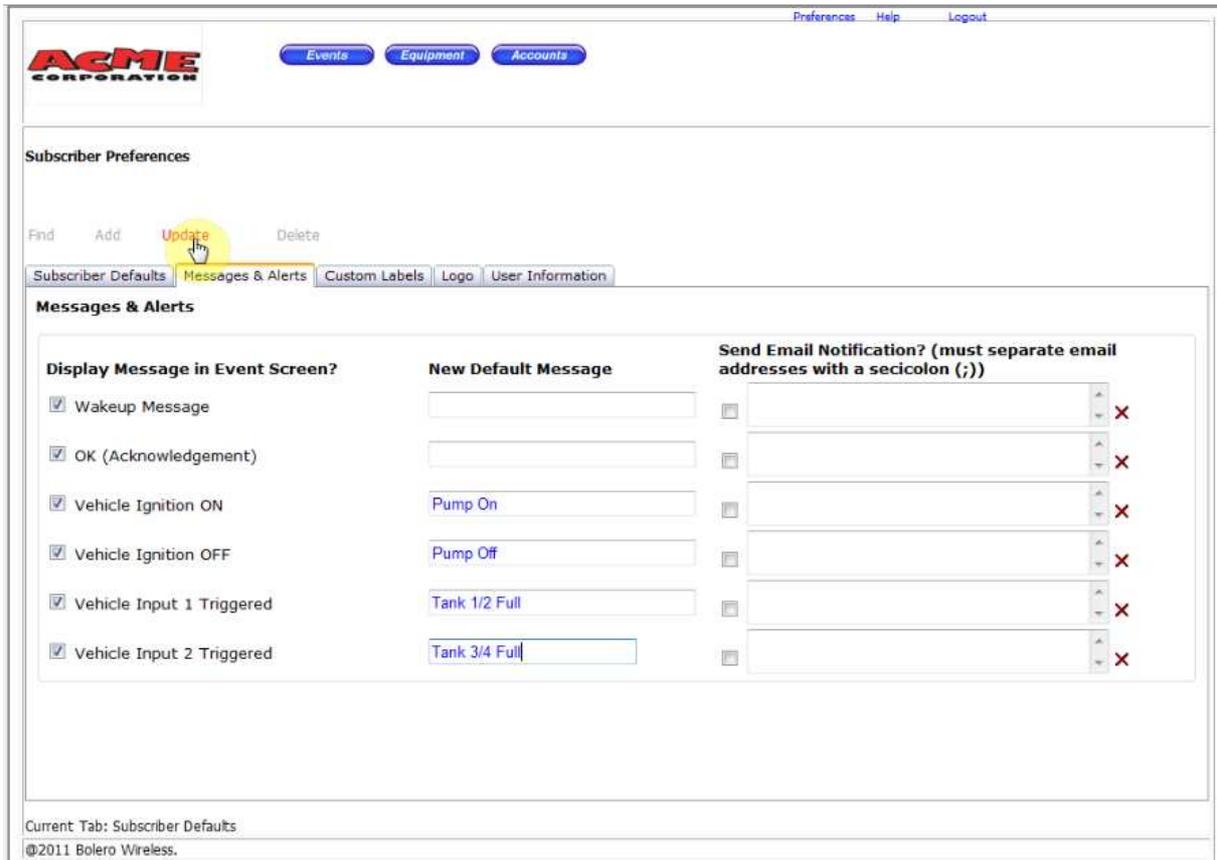
**Customizing Messages**

We can customize the messages displayed in the Equipment Event List screen to what we want them to read as.



In our application, we want the messages to say Pump On, Pump Off, 1/2 full and 3/4 full.

To change the default messages displayed, **click** on the **Preferences** Link and then **click** on the **Messages and Alerts** tab.



Go ahead and change the Vehicle Ignition On and Off to Pump On and Off

Change the Input 1 message to Tank ½ full

Change the Input 2 message to Tank ¾ full

**Click** the **Update** link to update the database

Now, whenever one of these messages are generated, they will be generated with the new message value.

**Limiting Messages Displayed**

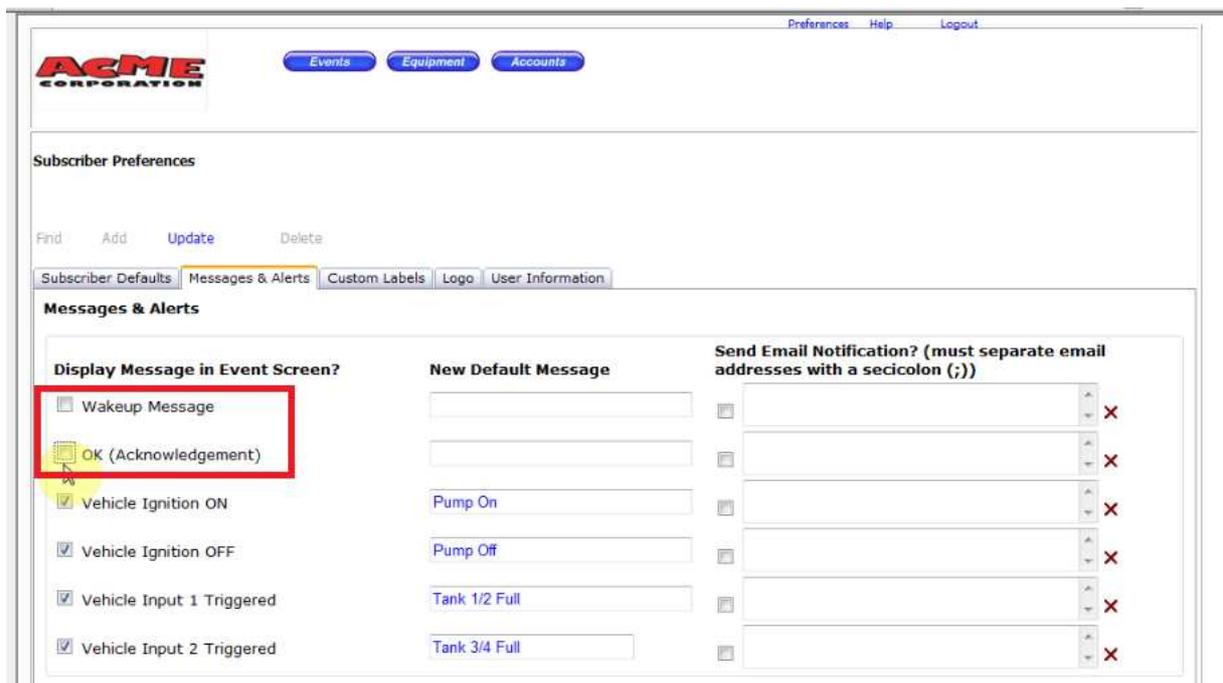
The checkmark in front of each event message option determines whether the message is displayed in the user interface or not.

By default, all the messages will be displayed in the user interface.

To turn off a message, simply undo the check mark by **clicking** on the associated **checkmark** control.

You can easily turn the message on and off by reselecting the check mark.

Let's go ahead and turn **the Wakeup and OK messages off for our application by clicking on the checkmarks** in front of the Wakeup Message and OK (Acknowledgement) option as illustrated in the screen.



**Alerts**

You will notice the area on the right of the screen is the **Send Email Notification** section.

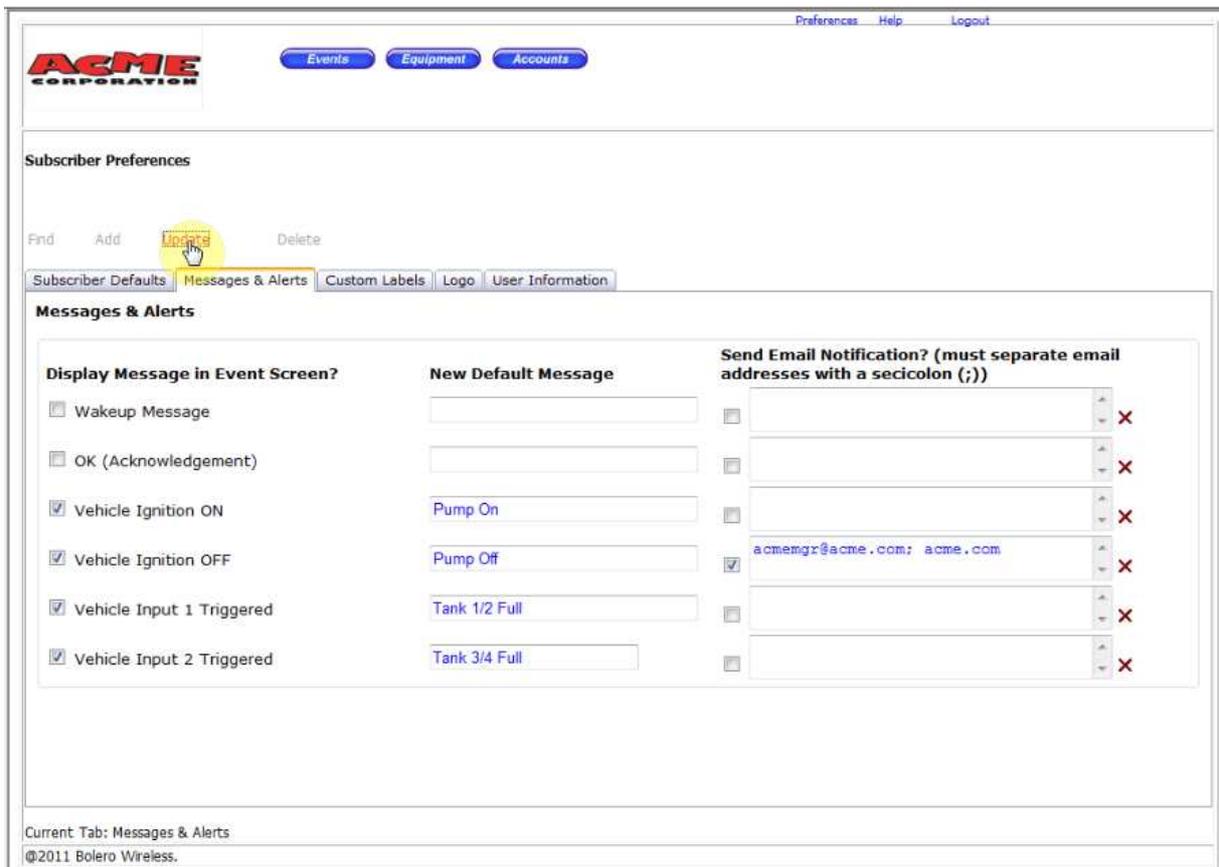
This is where you will associate Events (pump on and off, tank ¾ full, etc) with the automatic generation of an email to a specified email address.

Let's go ahead and send an email message to the ACME service manager whenever the **Pump Off** event occurs. The service manager will use this information to schedule an emergency work order.

**Click** on the **Checkbox** front of the email address.

**Enter** the email address in the space provided.

**Click** the **Update** link to update the database.



You may enter as many email addresses as you like. Just make sure to separate each one with a semicolon.

**Putting it all together.**

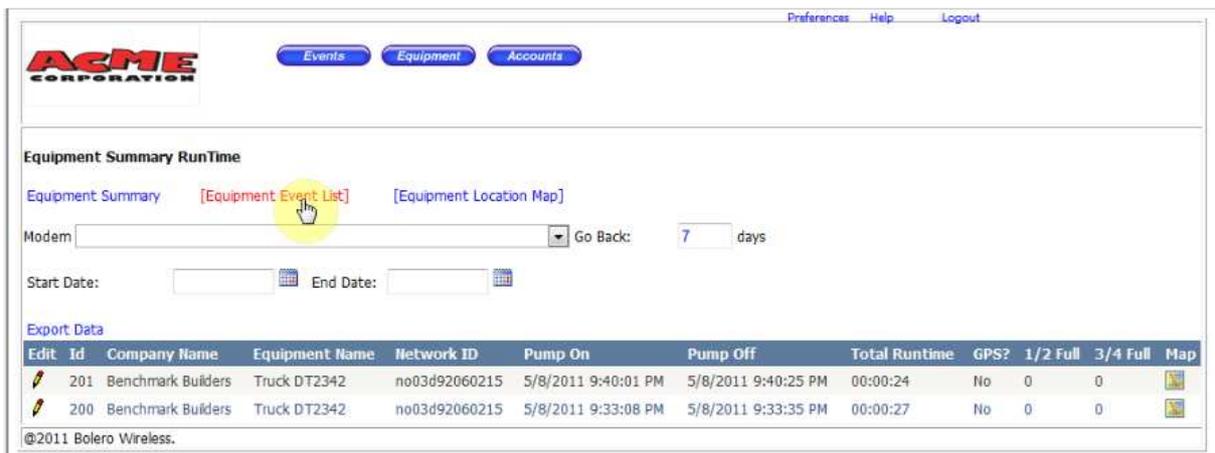
Lets test everything now and see how all the changes are working now.

**Click** on the **Events** button in the upper part of the screen

Let's turn on the ignition on our device

Let's now turn the pump off.

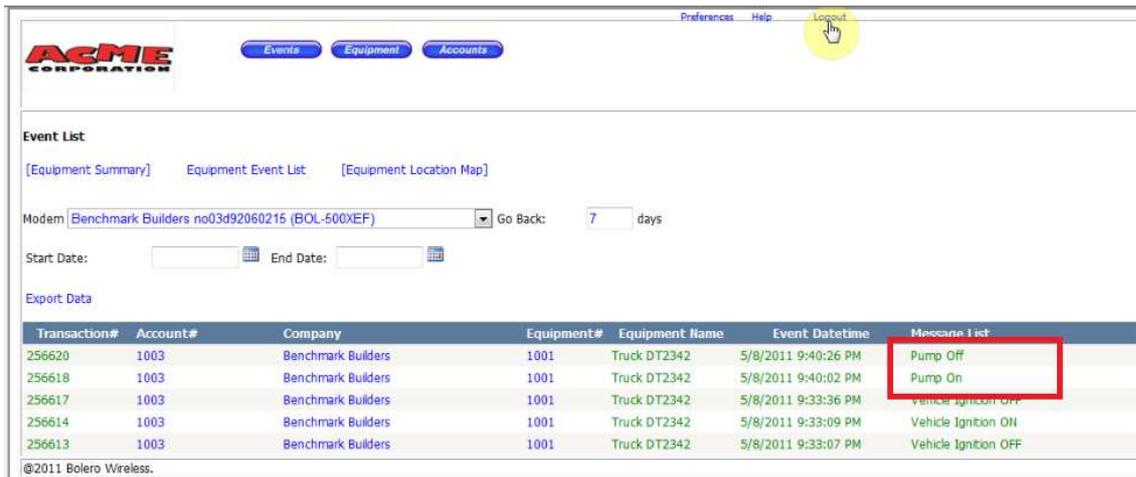
**Press** the **F5** key on the keyboard to refresh the screen.



You will see the new summary event has been created.

Click on the **Equipment Event List** link.

You will see that all the new messages generated include the new message values.



You should now be able to customize the user interface to fit your business requirements.

## Lesson 009 – Tracking your SIM Chips

In this lesson, you will learn how to track the SIM Chips that are used in the Bolero modems.

While this lesson is optional, tracking your SIM chips is an important aspect of managing your equipment network.

Bolero's monthly billing process is based on the number of active SIM Chips you have in use in a given month.

### Create SIM Chip

Let's go ahead and create an Equipment Record for the SIM Chip

**Click** on the **Equipment** button in the upper portion of the screen

**Click** on the **New Equipment** Link.



Equipment List

[New Equipment](#) [Equipment List]

Select Inactive Equipment

Edit	Equipment#	Company	Status	Equipment Name	Modem Type	Serial/Simchip#	Last Event Date/Time	Delete
	1001	Benchmark Builders	Active	Truck DT2342	Bolero GPS Monitor (Enfora)	no03d92060215		

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Select Your Account from the **Account drop-down list**. We recommend keeping all the SIM Chips in one account for easier management. Later in the lesson, you will link the SIM Chip to the Bolero modem.

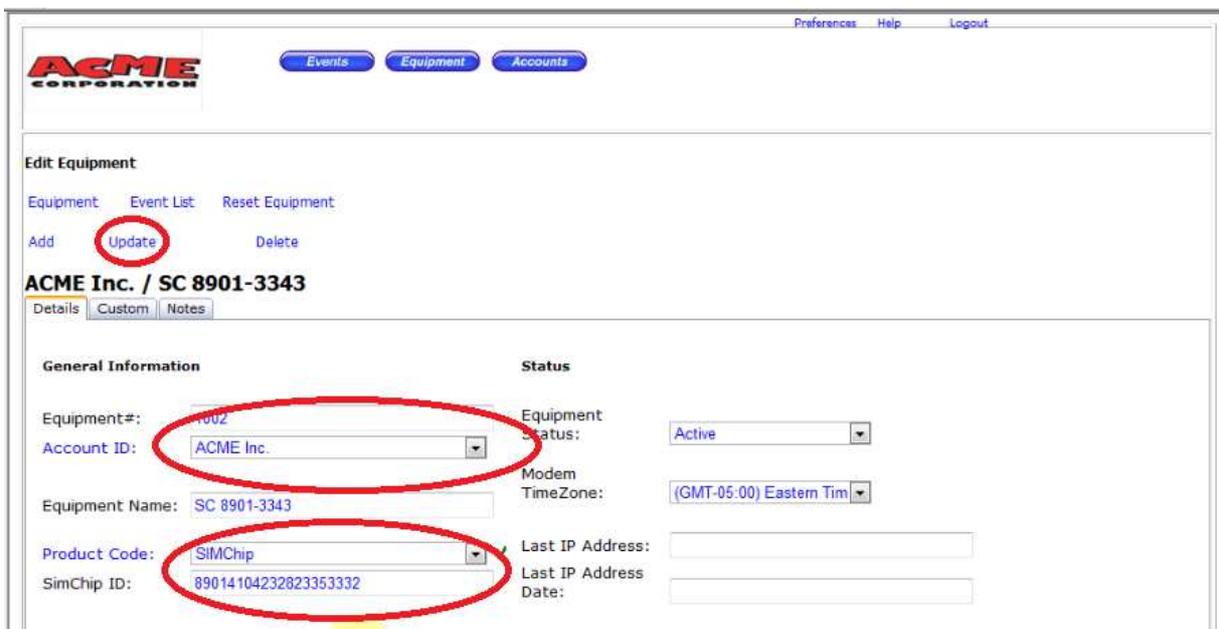
Select the SIM Chip option from the **Product Code drop-down list**.

Name the Equipment. This is the short name. We recommend you use the first four and last four digits of the SIM Chip ID (for example SC8901-3343).

The SIM Chip number is typically a 20 digit number. 8901 4104 2335 5743 232. The SIM Chip number can be found on the SIM chip shipped to you.



Enter the complete SIM Chip number into the SIM Chip ID field.



**Click** on the **Update** Link

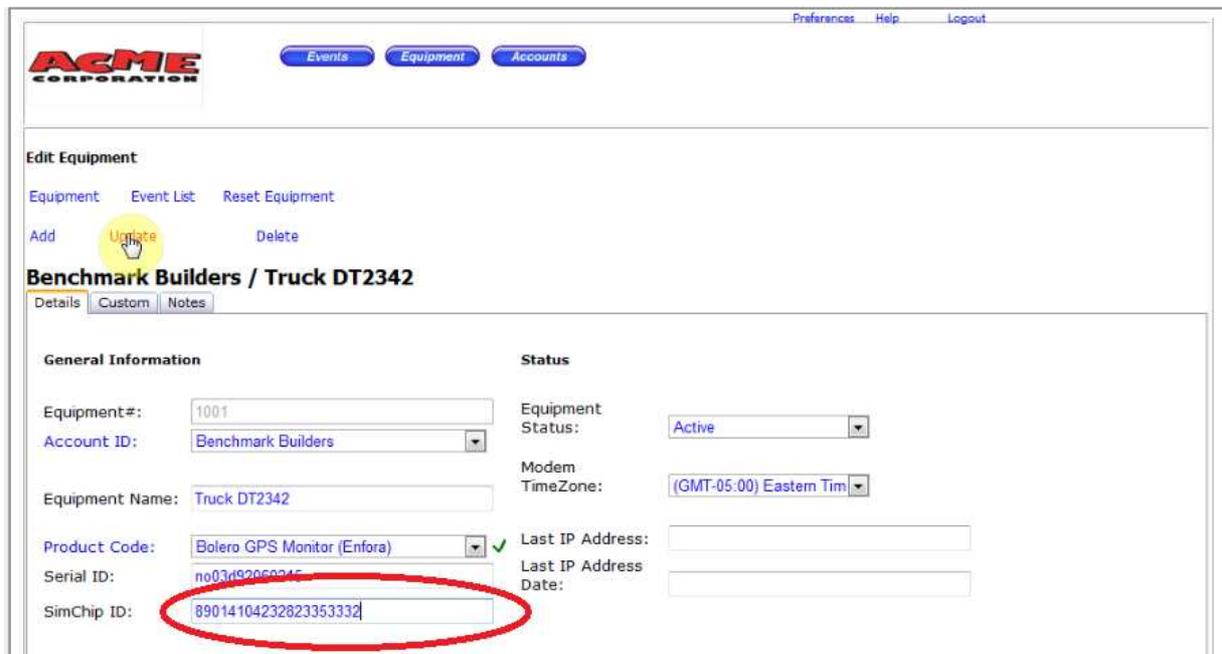
**Link SIM Chip to Equipment**

To link the SIM Chip to the equipment it is installed in **click** on the **Equipment** button in the Upper part of the screen

Select the Bolero modem equipment record, in our example, Truck DT2342, that we want to associate the SIM Chip to. **Click** on the **Pencil icon** or on the **Equipment Number** link to edit it.



Enter the SIM Chip number in the SIM Chip ID field.



**Click** the Update link to update the database.

It is recommended that process be performed on each installation of each modem in the field.

You should now be able to manage the SIM Chips in your operation.