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Bolero Website User Manual



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General

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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 <u>easily</u> 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

/ D / D	_			
gnup/Dem	D			
Note: To sign in as t password.	he demo account, Cli	ck on the Login li	ik and enter demo as the userna	me and demo as the
create a new user ir	the system, enter vo	our information be	low	
New User			_	
Company Name	: [
Email:				
Email:				
Email: Login Name: Password:				
Email: Login Name: Password: Verify Password	I.			
Email: Login Name: Password: Verify Password			Crasta lisar	

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.

gnup/Demo				
Note: To sign in as the password.	demo account, Clic	k on the Login li	nk and enter demo as th	e username and demo as the
create a new user in th	ne system, enter you	ır information b	elow	
New Lines				
Company Name:	ACME Inc			
company manier	fsmith@acme.con	n		
Email:	-			
Email: Login Name:	fsmith			
Email: Login Name: Password:	fsmith			

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.

					Login	518-250-0887
Home	Products	Web Reports	Contact	<u>SignUp/Demo</u>		

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: fsmith
Password : fsmith

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.

(b)	bolen	8	Events Equipment	Accour	nts		Preferences Help) Logout		
Accour	it List	[Account List]								
C Sele	ct Inactive Clien	ts?								
Edit	Account#	Company	Address 1	City	Prov/State	Contact	Phone#	Active	Last Edit	Delete
0	1001	ACME Inc						5/11/2011 7:40:23 AM	5/11/2011 7:40:23 AM	T
@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.

	Preferences Help	Logout
Events Equipment Accounts		
Bolero Wireless Help Menu		
Lesson 001 - Creating a Bolero Account		
Lesson 002 - Subscriber Preferences - Basics		
Lesson 003 - Creating a Customer Account		
Lesson 004 - Creating an Equipment Record		
Lesson 005 - Installing the Bolero Vehicle Monitoring Modern (BOL500X)		
Lesson 006 - Installing the Bolero Cycle Monitoring Modem		
Lesson 007 - Generating and Viewing Events		
Lesson 008 - Customizing the User Interface		
Lesson 009 - Tracking your Sim Chips		
@2011 Bolero Wireless.		

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 than1 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.

			Preferences Help Logout
(o) boler	Events	Equipment Accour	nta 🔰
wineces			
ubscriber Preferences	5		
nd Add Upd	Delete		
Subscriber Defaults	nessages & Alerts Cu:	stom Labels Logo User Info	ormation
Subscriber Defaults	110	stom Labels Logo User Info Startup Screen:	Account List
Subscriber Defaults to Subscriber# Name:	110 ACME Inc.	stom Labels Logo User Info Startup Screen: Time Zone:	Account List
Subscriber Defaults Subscriber# Name: Home Account:	110 ACME Inc. ACME Inc.	stom Labels Logo User Info Startup Screen: Time Zone: City:	Account List
Subscriber Defaults Subscriber# Name: Home Account: Subscription Start	ACME Inc.	stom Labels Logo User Info Startup Screen: Time Zone: City: Trov/State:	Account List
Subscriber Defaults Subscriber# Name: Home Account: Subscription Start Date:	110 ACME Inc. ACME Inc. 5/6/2011	stom Labels Logo User Info Startup Screen: Time Zone: City: Tov/State: Country	Account List

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.

criber Preferences			
Add Update Delete			
scriber Defaults Messages Alerts Custom	Labels Logo User Information		
Display Message in Event Screen?	New Default Message	Send Email Notification addresses with a secio	? (must separate email olon (;))
Wakeup Message			* ×
OK (Acknowledgement)			- ×
Vehicle Ignition ON			÷ ×
Vehicle Ignition OFF			- ×
Vehicle Input 1 Triggered			÷ ×
Vehicle Input 2 Triagered			<u> </u>

BOL2000BP002MAN

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.

			Preferences Help Logout	
bole	Events	Equipment Accounts		
ıbscriber Prefer	rences			
nd Add	Update Delete	1.1.1		
ubscriber Defau	ilts Messages & Alerts Cus	tom Labels Logo User Information	n	
quipment Su	ummary Screen Labels	4		
Label	Default Value	New Value		
Label 1:	Equipment On		×	
Label 2:	Equipment Off		×	
Label 3:	Total Run Time		×	
Label 4:	GPS?		×	
Label 5:	Input 1		×	
Label 6:	Input 2	i	×	
Label 7:	Мар		×	
vent List Sci	reen Labels			
Label	Default Value	New Value		
Label 1:	Event Count		×	
Label 2:	Total Washes		×	

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.

	Preferences Help Logout
Events Equipment Accounts	
ubscriber Preferences	
ind Add Update Delete	
6	
Upload Logo	
Browse Upload Logo	

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.

					Preterances	nah	Logout		
	F	ivents Equip	ment Acco	nts					
bscriber Preferenc	es								
nd Add Up	pdate Delet								
ubscriber Defaults	Messages & Alerts	Custom Labels	Logo User In	ormation					
inload Log	-								
pioud Loi	JO								
pioad Log	90								
Upload logo to d	atabase	\sim							
Upload logo to da	atabase								
Upload logo to d	atabase Browse								
Upload logo to da	atabase Browse	UploantLoge)						
Upload logo to da	atabase Browse	UploarLogo)						
Upload logo to d	atabase Browse	Uploant Logo)						
Upload logo to d	atabase Browse.	Upload Logo)						
Upload logo to d	atabase Browse	Uploar Logo	>						
upload logo to d	atabase Browse	Uploat)						
Upload logo to d	atabase Browse	Uploar Logo)						
upload logo to d	atabase Browse.	Uploantiogo)						
Upload logo to di	atabase Browse Browse ATION	Upicat Logo)						
Upload logo to d	atabase Browse	Uploattogo	D						
	atabase Browse ME ATION	Uplost	>						
Upload logo to d	atabase Browse Browse ATION	Uploart Loga	D						
Upload logo to d	atabase Browse	Upicat Logo	D						
Upload logo to d	atabase Browser	Upicart Logo							
Upload logo to d	atabase Browse:	Uploant Logo							
Upload logo to d	atabase Browser	Uplostigge	>						

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.

Delete ages & Alerts Custom La	abels Logo User information	
Delete ages & Alerts Custom La	abels Logo User information	
Delete ages & Alerts Custom La	abels Logo User Information	
ages & Alerts Custom La	abels Logo User Information	
	Change Password:	
scriber Admin	Old Password:	
nith	New Password:	
nith@acme.com	Confirm New Password	
2011 12:00:00 AM	Secret Question:	
	Secret Answer:	
nit nit	h h@acme.com 011 12:00:00 AM	h New Password: h@acme.com Confirm New Password D11 12:00:00 AM Secret Question:

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.

Events Equipment Accounts	Preferences Help
Bolero Wireless Help Menu	
Lesson 001 - Creating a Bolero Account	
Lesson 002 - Subscriber Preferences - Basics	
Lesson 003 - Creating a Customer Account	
Lesson 004 - Creating an Equipment Record	
Lesson 005 - Installing the Bolero Vehicle Monitoring Modem (BOL500X)	
Lesson 006 - Installing the Bolero Cycle Monitoring Modern	
Lesson 007 - Generating and Viewing Events	
Lesson 008 - Customizing the User Interface	
Lesson 009 - Tracking your Sim Chips	
BOOT Balava Makalava	

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.

			_			Preferences Help	Legout		
CORPORATION	Even	ts Equipment	Account	its.					
(ccount List [New Account]	[Account List]								
Select Inactive Clients?									
Select Inactive Clients?	omnaay	Address 1	City	Prov/State	Contact	Phone#	Active	Last Edit	Delete

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.

			Preferences Help Logout
RPSRATI	Events Equipment	Accounts	
t Account			
count List]	[Map] [Equipment] [E	Event List]	
dd Lidhlate	Delete		
ME INC.	Custom Notes		
		Acct Status	Action
ccount#	1001	ACCT Status.	Active .
Company Name:	ACME Inc.	Modem Senal#:	
1ain Phone:	(617) 883-2232		
Corp#:			
Availability:			
Contact Name:	Fred	Acct. Ref#:	
ddress:	1334 Main Street	Alt. Phone:	
ddress Line 2:		Fax:	(
irection:		Website:	
ross Street		Email:	demitb@acme.com
itu	Poston	Cital.	ushingache.com
aty.			
state/Prov:	MA • Zip: 10012		
Contraction of the Contraction o	1.400.4		

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.

<u>eo</u> n	BM	E (Events Equipment	n CAccour			Preferences Help	Logout		
Accoun [New A	t List ccount] ct Inactive Client	[Account L	ist]							
Edit	Account#	Company	Address 1	City	Prov/State	Contact	Phone#	Active	Last Edit	Delete
0	1001	ACME Inc.	1334 Main Street	Boston	MA	Fred	(617) 883-2232	5/6/2011 12:20:01 PM	5/6/2011 4:41:28 PM	T
p2011	Bolero Wireless.		40							

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

	Prefarances Help Legout	
CORPORATION		
Account List	[Account List]	

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.

				Preferences Help Logout
A BRANIS	Events Equ	ilpment Acc	iounts)	
dit Account				
Account List]	[Map] [Equipment]	[Event List]	
	Databa			
Add opolog	Delete			
enchmark Bu	ilders			
Details Locations (Custom Notes			
Account#	1003		Acct Status:	Active
Company Name:	Benchmark Builders	1	Modem Serial#:	
Main Phone:	(617) 343-3419			
Corp#:				
Availability:				
	la de la composición de la composicinde la composición de la composición de la composición de la compo		Acct Doft	
Contact Name:	Susan		ALCL. Rei#:	
Address:			Alt. Phone:	
Address Line 2:			Website	
Direction:			website.	
Cross Street:			Email:	
City:	Boston			
State/Prov:	MA Zip: 10233			
Country	USA 💌			

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,

			Preferences	Help	Legout	
CORPORATION	Events	Equipment Accounts				
Equipment List	[Conjument Lint]					
Select Inactive Equipm	[Equipment List]					
No records were found m	atching search criteria.					
@2011 Bolero Wireless.						

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.

	Preferences Help Logout
	oment Accounts
d New Equipment uipment Event List Reset Equipment d Update Delete	
etails Custom Notes	
General Information	Status
Equipment#: 0 Account ID:	Status: Active
Equipment Name: Benchmark Builders	TimeZone: (GMT-05:00) Eastern Tim 💌
Product Code:	Last IP Address
Serial ID: Network ID:	Date:
SimChip ID:	

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.

Product Code:		-1
Serial ID:	Bolero Counter/On-Off (Anynet)	
Network ID:	Bolero Counter/On-Off (Enfora) Bolero Input Event Monitor (Anynet)	1
SimChip ID:	Bolero GPS Monitor (Enfora)	

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.

quipment Event List				
	Reset Equipment			
dd Update	Delete			
enchmark Buile	lors / Truck DT2342			
Details Custom Notes	iers / Truck DT2342			
General Information			Status	
			21 21 1 2	
Equipment#: 1	001		Equipment Status:	Active
Account ID:	Benchmark Builders	•		Land
			Modem TimeZone:	(GMT-05:00) Eastern Tim
Equipment Name:	ruck DT2342			
Product Code:	Bolero GPS Monitor (Enfora)	J	Last IP Address:	
Serial ID: n	003d92060215		Last IP Address	
			Date:	
SimChin ID+				

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.

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.





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.





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

Yes and the second s		
Connector:		
Manufacturer:	Molex	
Part Number:	43025-0800	
Pins:		
Manufacturer:	Molex	
Part Number:	43030-0008 20-24 AWG	a class
	43030-0011 26-30 AWG	
Crimp Tool:		
Manufacturer:	Molex	16
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 functionally 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-Gi 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.



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 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 location 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.



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:

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	Connector:		
Part Number: 43025-0800 Pins: Manufacturer: Manufacturer: Molex Part Number: 43030-0008 20-24 AWG 43030-0011 26-30 AWG Image: Crimp Tool: Manufacturer: Molex Part Number: 63811-2800	Manufacturer:	Molex	
Pins: Manufacturer: Molex Part Number: 43030-0008 20-24 AWG 43030-0011 26-30 AWG Crimp Tool: Manufacturer: Molex Part Number: 63811-2800	Part Number:	43025-0800	
Manufacturer: Molex Part Number: 43030-0008 20-24 AWG 43030-0011 26-30 AWG Crimp Tool: Manufacturer: Molex Part Number: 63811-2800	Pins:		
Part Number: 43030-0008 20-24 AWG 43030-0011 26-30 AWG Crimp Tool: Manufacturer: Molex Part Number: 63811-2800	Manufacturer:	Molex	
43030-0011 26-30 AWG Crimp Tool: Manufacturer: Molex Part Number: 63811-2800	Part Number:	43030-0008 20-24 AWG	a contraction of the second se
Crimp Tool: Manufacturer: Molex Part Number: 63811-2800		43030-0011 26-30 AWG	
Manufacturer: Molex Part Number: 63811-2800	Crimp Tool:		
Part Number: 63811-2800	Manufacturer:	Molex	16
SIX STATES	Part Number:	63811-2800	10 C
St.			

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 functionally 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.

		Equipment Acco	unts		Preferances Help	Logout
Equipment Summary I Equipment Summary Modem	RunTime [Equipment Event List]	[Equipment Location N	Map]	7	days	
Start Date:	End Date:	¤				
No records were found	matching search criteria.					
@2011 Bolero Wireless.						

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.

					Prefers	nces Help Lo	tuogo			
EORPOR		Events	Equipment Acc	counts						
Equipment S	ummary RunTime	ment Event List]	[Equipment Location	Map]						
Modem				Go Back: 7	days					
Start Date:	1	End Date:								
Export Data										
Edit Id G	ompany Name	Equipment Name	Network ID	Equipment On	Equipment Off	Total Runtime	GPS?	Input 1	Input 2	Ма
👂 187 B	enchmark Builders	Heavy Truck #44	no03d92060215	5/4/2011 2:52:41 PM	L2		No	0	0	1
@2011 Bolero	Wireless.									

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.

				Preferenc	es Help Lo	gout			
CORPORATION	Events	Equipment A	ccounts						
Equipment Summary RunTime	ant Event List]	[Equipment Location	n Man]						
Modem	lenc Evenc Ebcj	[Equipment Eocacit	Go Back:	7 days					
Start Date:	End Date:			, data					
Export Data									
Edit Id Company Name	Equipment Name	Network ID	Equipment On	Equipment Off	Total Runtime	GPS?	Input 1	Input 2	Мар
187 Benchmark Builders	Heavy Truck #44	no03d92060215	5/4/2011 2:52:41 PM	5/4/2011 2:33:15 PM	00:00:34	No	0	0	X
@2011 Bolero Wireless.									

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.

				Preference	Help Logout	
AC		Events Equipment Accou	inta			
vent List		_				
Equipment Sum	nary] Equipm	ent Event List [Equipment Location M	lap]			
odem Benchma	ark Builders no03c	192060215 (BOL-600XEF)	Go Back: 7	days		
tart Date:		End Date:				
Export Data						
Transaction#	Account#	Company	Equipment#	Equipment Name	Event Datetime	Message List
	1002	Benchmark Builders	1001	Heavy Truck #44	5/4/2011 2:53:16 PM	Vehicle Ignition OFF
54926	1002	Derreinnank Denders				
54926 54925	1002	Benchmark Builders	1001	Heavy Truck #44	5/4/2011 2:53:05 PM	Wakeup Message

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...

Products

	Events Equipment Accounts	Preferances Help Log	*
Then click on th	e Login link	Log	518-250-0887

SignUp/Demo

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

Web Reports



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.

						Preferences	Help	Logout			_
	3	bolerð	Events	Equipment A	ecounts						
lui	pmen	t Summary RunTime									
ode	pment	Summary [Equip	ment Event Listj	(Equipment Locatio	Go Back:	dave					
0.01				0000	00 back. ,	uays					
tar	t Date	:	End Date:								
xpo	ort Dat	a									
dit	Id	Company Name	Equipment Name	Network ID	Vehicle On	Vehicle Off	Run Time	GPS?	Overweight	Collision	Ma
1	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	X
1	185	Vehicle Monitor Acct	Delivery Truck #4454	no03d92060215	5/3/2011 11:39:21 PM			No	0	0	3
7	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	3.
1	183	Vehicle Monitor Acct	Delivery Truck #4454	no03d92060215	5/3/2011 7:56:57 PM			No	0	0	X
7	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	X
1	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	T.
1	180	Vehicle Monitor Acct		no0342060215	5/2/2011 8:49:50 PM			Yes	0	0	4
1	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	X
7	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	7
7	177	Vehicle Monitor Acct	Forklift A0023212	i4000026e0879	5/2/2011 8:04:49 AM	5/2/2011 9:36:39 AM	01:31:50	No	0	0	1
1	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	X
1	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	X.
7	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	X
9	169	Vehicle Monitor Acct	Forklift A0023212	i4000026e0879	5/1/2011 6:36:59 PM	5/1/2011 6:42:35 PM	00:05:36	No	0	0	7
7	168	Vehicle Monitor Acct	Forklift A0023212	i4000026e0879	5/1/2011 4:26:19 PM	5/1/2011 4:47:39 PM	00:21:20	No	0	0	7
7	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	7
1	166	Vehicle Monitor Acct	Forklift A0023212	4000026e0879	4/29/2011 4:20:22 PM	4/30/2011 4:13:02 PM	23:52:40	Yes	0	0	2
7	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	2
1	164	Vehicle Monitor Acct	Forklift A0023212	i4000026e0879	4/26/2011 6:54:53 PM	4/27/2011 8:10:59 AM	13:16:06	Yes	0	0	X
1	163	Vehicle Monitor Acct	Forklift A0023212	i4000026e0879	4/26/2011 8:17:18 AM	4/26/2011 11:23:53 AM	03:06:35	Yes	0	0	2
1	162	Vehicle Monitor Acct	Forklift A0023212	i4000026e0879	4/25/2011 10:25:43 PM	4/26/2011 8:17:16 AM	09:51:33	Yes	0	0	X
1	143	Vehicle Monitor Acct	Forklift A0023212	H000025e0879	4/23/2011 1:03:38 PM	4/23/2011 1:14:36 PM	00:10:58	Yes	0	0	X

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.

0	119	Vehicle Monitor Acct	Forklift A0023212	i4000026e0879	4/20/2011 7:35:18 PM	4/20/2011 7:38:05 PM	00:02:47	Yes	0	0	2
0	117	Vehicle Monitor Acct	Forklift A0023212	i4000026e0879	4/19/2011 3:04:02 PM	4/19/2011 3:05:29 PM	00:01:27	No	0	0	1
0	116	Vehicle Monitor Acct	Forklift A0023212	i4000026e0879	4/19/2011 2:58:20 PM	4/19/2011 3:04:00 PM	00:05:40	Yes	0	0	×.
1	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	3
0	114	Vehicle Monitor Acct	Forklift A0023212	4000026e0879	4/19/2011 11:22:07 AM	4/19/2011 11:46:15 AM	00:24:08	Yes	0	0	N

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

BOL2000BP002MAN

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.

1						Preferences	Help	Logout			
(6)		VIRELESS	Everns	Equipment ×	ccounts						
quip	men	t Summary RunTime									
Equip	ment	Summary [Equip	ment Event List]	(Equipment Locatio	on Map]						
loder	m 🗌				Go Back:	7 days					
Start	Date	· ·	End Date:								
Jeare	Date										
Expor	t Dat	Company Name	Fauisment Nama	Natwork ID	Vahirle On	Vehicle Off	Run Time	6952	Overweight	Collision	Mar
0	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	
1	185	Vehicle Monitor Acct	Delivery Truck #4454	no03d92060215	5/3/2011 11:39:21 PM			No	0	0	X
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	X
0	183	Vehicle Monitor Acct	Delivery Truck #4454	no03d92060215	5/3/2011 7:56:57 PM			No	0	0	X
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 (U.M.
1	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	H

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 to 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.

A CORPORATIO	Events	Equipment Accourt	nta	6	DEP	
ubscriber Preference	s					
nd Add Up	date Delete					
ubscriber Defaults	Messages & Alerts Custom	Labels Logo User Info	rmation			
	#C5(15(4))					
Subscriber#	110	Startup Screen:	Account List	-		
Subscriber# Name:	110 ACME Inc.	Startup Screen: Time Zone:	Account List (GMT-05:00) Eastern Tim	e (US 💌		
Subscriber# Name: Home Account:	ACME Inc.	Startup Screen: Time Zone:	Account List (GMT-05:00) Eastern Tim	e (US -		
Subscriber# Name: Home Account: Subscription Start	ACME Inc.	Startup Screen: Time Zone: City: Prov/State:	Account List (GMT-05:00) Eastern Tim MA Postal/Zip 1	e (US •		
Subscriber# Name: Home Account: Subscription Start Date:	110 ACME Inc. ACME Inc. 5/6/2011	Startup Screen: Time Zone: City: Prov/State: Country	Account List (GMT-05:00) Eastern Tim MA Postal/Zip 1 USA	• (US •)		

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

Startup Screen:	Account List	
Time Zone:	Account List	-
City:	Equipment Sum Say	
Prov/State:	WIA POStaly Lip	10025
Country	USA	
Area Code:	617	

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.

	Prefe	ences Help Logo	out		
Events Equipment	Accounts				
Equipment Summary RunTime	and all				
Equipment Summary [Equipment Event List] [Equipment	ocation Map]				
Modem	Go Back: 7 days				
Start Date: End Date:					
Export Data					
Edit Id Company Name Equipment Name Network II	Equipment On Equipment Off	Total Runtime	GPS? Input 1	Input 2	Ma
200 Benchmark Builders Truck DT2342 no03d92060	215 5/8/2011 9:33:08 PM 5/8/2011 9:33:35 P	M 00:00:27	No 0	0	3
@2011 Bolero Wireless.					

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.

				Preferences Help Logout
ACMI	E	its Equip	nent Accounts	
ORPORATIO	> 64			
bscriber Preferenc	es			
d Add 🛄	Delete			
ubscriber Defaults	Messages & Alerts	ustom Labels	Logo User Informatio	ion
quipment Sumi	mary Screen Label	5		
Label	Default Value	New	Value	
Label 1:	Equipment On	Pump	o On	×
Label 2:	Equipment Off	Pump	Off	×
Label 3:	Total Run Time			×
Label 4:	GPS?			×
Label 5:	Input 1	1/2 F	ull	×
Label 6:	Input 2	3/4 F	ull	×
Label 7:	Мар			×
vent List Scree	n Labels			
Label	Default Value	New	Value	
Label 1:	Event Count			×
Label 2:	Total Washes	[]		×
Label 3:	Message List			×
rent Tab: Subscribe	r Defaults			
011 Rolaro Miralass				

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.

		Preferenc	es Help Log	out			
	Accounts						
Equipment Summary RunTime Equipment Summary [Equipment Event List] [Equipment Loc Modem]	ation Map]	7 dave					
Start Date: End Date: Export Data		/ Usys					
Edit Id Company Name Equipment Name Network ID	Pump On	Pump Off	Total Runtime	GPS?	1/2 Full	3/4 Full	Map
200 Benchmark Builders Truck DT2342 no03d9206021 @2011 Bolero Wireless.	5 5/8/2011 9:33:08 PM	5/8/2011 9:33:35 PM	00:00:27	No	0	0	

Customizing Messages

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

				1.1.81.81.81.81	a ruch señeur	
AC M		Events Equipment	Accounts			
vent List						
Equipment Sumn	nary] Equipm	nent Event List [Equipment	Location Map]			
Iodem Benchma	ark Builders no03	d92060215 (BOL-500XEF)	Go Back:	7 days		
0.025200						
Start Date:		End Date:				
Export Data		End Date:				
tart Date: xport Data Transaction#	Account#	Company	Equipmen	t# Equipment Name	Event Datetime	Message List
tart Date: Export Data Transaction# 256617	Account# 1003	Company Benchmark Builders	Equipmen 1001	t# Equipment Name Truck DT2342	Event Datetime 5/8/2011 9:33:36 PM	Message List Vehicle Ignition OFF
tart Date: Export Data Transaction# 156617 156616	Account# 1003 1003	Company Benchmark Builders Benchmark Builders	Equipmen 1001 1001	t# Equipment Name Truck DT2342 Truck DT2342	Event Datetime 5/8/2011 9:33:36 PM 5/8/2011 9:33:29 PM	Message List Vehicle Ignition OFF Wakeup Message
Export Date: Export Data Transaction# 256617 256616 256615	Account# 1003 1003 1003	End Date: Company Benchmark Builders Benchmark Builders Benchmark Builders	Equipmen 1001 1001 1001	t# Equipment Name Truck DT2342 Truck DT2342 Truck DT2342 Truck DT2342	Event Datetime 5/8/2011 9:33:36 PM 5/8/2011 9:33:29 PM 5/8/2011 9:33:10 PM	Message List Vehicle Ignition OFF Wakeup Message Wakeup Message
Export Date: Export Data Transaction# 256617 256616 256615 256614	Account# 1003 1003 1003 1003	End Date: Company Benchmark Builders Benchmark Builders Benchmark Builders Benchmark Builders	Equipmen 1001 1001 1001 1001	t# Equipment Name Truck DT2342 Truck DT2342 Truck DT2342 Truck DT2342	Event Datetime 5/8/2011 9:33:36 PM 5/8/2011 9:33:29 PM 5/8/2011 9:33:10 PM 5/8/2011 9:33:09 PM	Message List Vehicle Ignition OFF Wakeup Message Wakeup Message Vehicle Ignition ON

In our application, we want the messages to say Pump On, Pump Off, ½ full and ¾ full.

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

scriber Preferences			
d Add Update Delete			
bscriber Defaults Messages & Alerts Custom	Labels Logo User Information		
essages & Alerts			
Display Message in Event Screen?	New Default Message	Send Email Notification addresses with a secio	i? (must separate email olon (;))
Wakeup Message			÷ ×
🗹 OK (Acknowledgement)			÷ ×
Vehicle Ignition ON	Pump On		î x
Vehicle Ignition OFF	Pump Off		÷ ×
Vehicle Input 1 Triggered	Tank 1/2 Full		- ×
Vehicle Input 2 Triggered	Tank 3/4 Full		÷ ×
n na nasharan ta Alita Inda Alita Alita	I. Ken Milling Oleven and Art	<u>ط</u>	~

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

Change the Input 1 message to Tank 1/2 full

Change the Input 2 message to Tank ³/₄ 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.

		Preferences melp so	Bross .
Evonts	Equipment Accounts		
criber Preferences			
Add Update Delete			
criber Defaults Messages & Alerts Custor ssages & Alerts	m Labels Logo User Information		
splay Message in Event Screen?	New Default Message	Send Email Notification? (mo addresses with a secicolon (ust separate email ;))
splay Message in Event Screen? Wakeup Message	New Default Message	Send Email Notification? (m addresses with a secicolon (ust separate email ;;))
splay Message in Event Screen? Wakeup Message OK (Acknowledgement)	New Default Message	Send Email Notification? (m addresses with a secicolon (st separate email (;)) + X + X
Splay Message in Event Screen? Wakeup Message OK (Acknowledgement) Vehicle Ignition ON	New Default Message	Send Email Notification? (m addresses with a secicolon (st separate email (;))
splay Message in Event Screen? Wakeup Message OK (Acknowledgement) Vehicle Ignition ON Vehicle Ignition OFF	New Default Message Pump On Pump Off	Send Email Notification? (m addresses with a secicolon (x st separate email (;))
splay Message in Event Screen? Wakeup Message OK (Acknowledgement) Vehicle Ignition ON Vehicle Ignition OFF Vehicle Input 1 Triggered	New Default Message Pump On Pump Off Tank 1/2 Full	Send Email Notification? (m addresses with a secicolon (xist separate email (;))

<u>Alerts</u>

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 ³/₄ 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 in front of the email address.

Enter the email address in the space provided.

Click the Update link to update the database.

criber Preferences				
Add Upgate Delete				
scriber Defaults Messages & Alerts Custom	Labels Logo User Information			
ssages & Alerts				
splay Message in Event Screen?	New Default Message	Send E addres	mail Notification? (must separa ses with a secicolon (;))	nte email
Wakeup Message				C ×
OK (Acknowledgement)				÷×
Vehicle Ignition ON	Pump On			î x
Vehicle Ignition OFF	Pump Off	аст	emgr@acme.com; acme.com	÷×
Vehicle Input 1 Triggered	Tank 1/2 Full			÷ ×
Vehicle Input 2 Triggered	Tank 3/4 Full	E		÷×
		-		

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.

						Preferenc	es Help Log	pout			
	RPG		Events	Equipment A	counts						
Equip Equip	ment ment	Summary RunTime	ment Event List]	[Equipment Location	n Map]						
loder	m				Go Back:	7 days					
Start	Date:		End Date:								
Expo	t Data	a									
Edit	Id	Company Name	Equipment Name	Network ID	Pump On	Pump Off	Total Runtime	GPS?	1/2 Full	3/4 Full	М
0	201	Benchmark Builders	Truck DT2342	no03d92060215	5/8/2011 9:40:01 PM	5/8/2011 9:40:25 PM	00:00:24	No	0	0	1
0	200	Benchmark Builders	Truck DT2342	no03d92060215	5/8/2011 9:33:08 PM	5/8/2011 9:33:35 PM	00:00:27	No	0	0	X
0201	1 Bole	ro Wireless.									

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.

CORPORA		Events	Equipment	Accounts		Preference	s Help Logout	
vent List				rate.				
Equipment Sumn	nary] Equip	ment Event List	[Equipment I	ocation Map]				
lodem Benchma	rk Builders no0	3d92060215 (BOL-	OOXEF)		Go Back: 7	davs		
Start Date:		End Date:	F			1.003 - 0000		
Export Data								
Transaction#	Account#	Compa	а у		Equipment	# Equipment Name	Event Datetime	Message List
256620	1003	Benchm	ark Builders		1001	Truck DT2342	5/8/2011 9:40:26 PM	Pump Off
56618	1003	Benchm	ark Builders		1001	Truck DT2342	5/8/2011 9:40:02 PM	Pump On
	1003	Benchm	ark Builders		1001	Truck DT2342	5/8/2011 9:33:36 PM	Vehicle Ignicon Off
56617								
256617 256614	1003	Benchm	ark Builders		1001	Truck DT2342	5/8/2011 9:33:09 PM	Vehicle Ignition ON

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.

	Events	Equipment	Accounts	Prefe	rences Help Logout		
CORPORAT	TION						
Equipment List							
New Equip[hant]	[Equipment List]						
Select Inactive I	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		T
@2011 Bolero Wire	less.						

Select <u>Your</u> 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.

		Preferences Help Lo	jout
Events Equip	ment Accounts		
RPORATION			
Equipment			
rquipment			
pment Event List Reset Equipment			
Update Delete			
ME Inc. / SC 8901-3343			
ails Custom Notes			
aneral Information	Status		
	Environant		
luipment#: 1002		Active	
count ID: ACME Inc.			
	Modem TimeZope'	(GMT-05-00) Eastern Tim +	
uipment Name: SC 8901-3343	Timezone.	(OMT-03:00) Eastern milital	
	, Last IP Address		
oduct Code: SIMChip	Last IP Address.		
mChip ID: 89014104232823353332	Date:		1

BOL2000BP002MAN

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.

	RPORAT	Events	Equipment	Accounts	Pre	terences Help Logout		
Equip (New	oment List / Equipment] elect Inactive Ed	[Equipment List]						
the set of the set								
Edit	Equipment#	Company	Status	Equipment Name	Modem Type	Serial/Simchip#	Last Event Date/Time	Delete
Edit	Equipment#	Company ACME Inc.	Status Active	Equipment Name SC 8901-3343	Modem Type	Serial/Simchip# 89014104232823353332	Last Event Date/Time	Delete

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

			Preferences Help	Logout
	Events Equipment	Accounts		
ORPORATIO	-			
t Equipment				
ipment Event Lis	t Reset Equipment			
d Uggjate	Delete			
C)	Iders / Truck DT2342			
tails Custom No	tes			
i.e.				
General Information	on	Status		
quipment#:	1001	Equipment	Transa and	
ccount ID:	Benchmark Builders	Status:	Active	
		Modem	(GMT-05-00) Eastern Tim	
quipment Name:	Truck DT2342	Timezone.	Cominastory Eastern minist	
roduct Code:	Bolero GPS Monitor (Enfora)	✓ Last IP Address:		
Serial ID:	no03d92050245	Last IP Address Date:		
SimChip ID:	89014104232823353332)		

Click the Update link to update the database.

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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.