



# DEEP SEA ELECTRONICS

## DSEWebNet Smart Device Application Manual

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### **DSEWebNet Smart Device Application**

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### **Amendments Since Last Publication**

<b>Issue</b>	<b>Comments</b>
1	Initial release
2	Update to match specification of new mobile application software

Typeface: The typeface used in this document is *Arial*. Care must be taken not to mistake the upper case letter I with the numeral 1. The numeral 1 has a top serif to avoid this confusion.

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## 1 INTRODUCTION

This manual covers the registration and operation of the **DSEWebNet Software** for DSE modules using the **DSEWebNet Application** on Smart Devices (tablets, smart devices). The **DSEWebNet Application** is supported on the iOS and Android devices, Windows phones do not support the DSEWebNet Application but DSEWebNet is accessible on the Windows mobile browser.

This is not a *controlled document*. There are no automatic notifications of changes to this manual. Any future updates of this document are included on the DSE website: [www.deepseaelectronics.com](http://www.deepseaelectronics.com)

The **DSEWebNet Application** does not contain all the DSEWebNet functions, the DSEWebNet PC browser must be used instead for the full DSEWebNet functions and features. Refer to the DSE publication: **057-168: DSEWebNet PC Internet Browser Software Manual** which is found on the DSE website: [www.deepseaelectronics.com](http://www.deepseaelectronics.com)

Separate manuals cover the DSE modules supported by the software which is downloaded from our website: [www.deepseaelectronics.com](http://www.deepseaelectronics.com)

The **DSEWebNet Application** is used in conjunction with the **DSE890 & DSE891 Gateway Device** and allows the user to remotely monitor and control a wide range of modules on a smart device. The **DSEWebNet Application** is downloadable and free of charge from the mobiles application store.




The **DSEWebNet Software** must only be used by competent, qualified personnel, as operating the system may have safety implications on the panel / generating set to which it is fitted.

The information contained in this manual must be read in conjunction with the information contained in the appropriate module documentation.

A separate manual deals with the operation of the **DSE Gateway** (See section entitled *Bibliography* elsewhere in this document).

### 1.1 CLARIFICATION OF NOTATION

Clarification of notation used within this publication.

	<b>NOTE:</b>	Highlights an essential element of a procedure to ensure correctness.
	<b>CAUTION!</b>	Indicates a procedure or practice, which, if not strictly observed, could result in damage or destruction of equipment.
	<b>WARNING!</b>	Indicates a procedure or practice, which could result in injury to personnel or loss of life if not followed correctly.

## 1.2 BIBLIOGRAPHY

This document refers to, and is referred by the following DSE publications which are obtained from the DSE website: [www.deepseaelectronics.com](http://www.deepseaelectronics.com) or by contacting DSE technical support: [support@deepseaelectronics.com](mailto:support@deepseaelectronics.com).

### 1.2.1 INSTALLATION INSTRUCTIONS

Installation instructions are supplied with the product in the box and are intended as a 'quick start' guide only.

DSE Part	Description
053-140	DSE890 & DSE891 Installation Instructions

### 1.2.2 MANUALS

Product manuals are obtained from the DSE website: [www.deepseaelectronics.com](http://www.deepseaelectronics.com) or by contacting DSE technical support: [support@deepseaelectronics.com](mailto:support@deepseaelectronics.com).

DSE Part	Description
057-165	DSE890 & DSE891 Operators Manual
057-235	DSEWebNet Smart Device Software Manual
057-156	DSE334 Configuration Suite PC Software Manual
057-237	DSE335 Configuration Suite PC Software Manual
057-267	DSEE100 Configuration Suite PC Software Manual
057-251	DSEE400 Configuration Suite PC Software Manual
057-203	DSEE800 Configuration Suite PC Software Manual
057-187	DSEL400 & DSEL401 Configuration Suite PC Software Manual
057-222	DSEL401 MKII Configuration Suite PC Software Manual
057-186	DSEP100 Configuration Suite PC Software Manual
057-178	DSE4310 & DSE4320 Configuration Suite PC Software Manual
057-093	DSE4410 & DSE4420 Configuration Suite PC Software Manual
057-172	DSE4510 & DSE4520 Configuration Suite PC Software Manual
057-258	DSE4510 MKII & DSE4520 MKII Configuration Suite PC Software Manual
057-201	DSE4610 & DSE4620 Configuration Suite PC Software Manual
057-114	DSE6010 & DSE6020 Configuration Suite PC Software Manual
057-223	DSE6010 MKII & DSE6020 MKII Configuration Suite PC Software Manual
057-096	DSE6110 & DSE6120 Configuration Suite PC Software Manual
057-224	DSE6110 MKII & DSE6120 MKII Configuration Suite PC Software Manual
057-290	DSE6110 MKIII & DSE6120 MKIII Configuration Suite PC Software Manual
057-117	DSE7110 & DSE7120 Configuration Suite PC Software Manual
057-185	DSE7110 MKII & DSE7120 MKII Configuration Suite PC Software Manual
057-077	DSE72xx & DSE73xx Configuration Suite PC Software Manual
057-243	DSE7310 MKII & DSE7320 MKII Configuration Suite PC Software Manual
057-160	DSE7410 & DSE7420 Configuration Suite PC Software Manual
057-262	DSE7410 MKII & DSE7420 MKII Configuration Suite PC Software Manual
057-169	DSE7450 Configuration Suite PC Software Manual
057-119	DSE8610, DSE8620 & DSE8660 Configuration Suite PC Software Manual
057-238	DSE8610 MKII Configuration Suite PC Software Manual
057-257	DSE8660 MKII Configuration Suite PC Software Manual
057-127	DSE8710 & DSE8760 Configuration Suite PC Software Manual
057-164	DSE8810 Configuration Suite PC Software Manual
057-174	DSE8860 Configuration Suite PC Software Manual

### 1.3 GLOSSARY OF TERMS

<b>Term</b>	<b>Description</b>
Gateway Site	Refers to the DSE890 and DSE891 DSE Gateway devices.
Module	Refers to the DSE product connected to the DSE890 or DSE891 DSE Gateway devices.
DTC	Diagnostic Trouble Code The name for the entire fault code sent by an engine ECU.
ECU/ECM	Engine Control Unit/Management An electronic device that monitors engine parameters and regulates the fuelling.
GSM	Global System for Mobile communications. Cell phone technology used in most of the World.
GPS	Global Positioning System A global navigation satellite system that provides geolocation and time information.
SCADA	Supervisory Control And Data Acquisition A system that operates with coded signals over communication channels to provide control and monitoring of remote equipment
SIM	Subscriber Identity Module. The small card supplied by the GSM/CDMA provider that is inserted into the cell phone, GSM modem or DSEGateway device to give GSM/GPRS connection.
SMS	Short Message Service The text messaging service of mobile/cell phones.

## 2 INSTALLATION INSTRUCTIONS

### 2.1 DSEGATEWAY

For information with regards to setting up the DSE890 or DSE891 Gateway Device, refer to DSE Publication: **057-165 DSE890 & DSE891 Gateway Operators Manual** which is found on the DSE website: [www.deepseaelectronics.com](http://www.deepseaelectronics.com)

### 2.2 SMART DEVICES COMPATIBILITY

#### 2.2.1 APPLE DEVICES

DSEWebNet application is optimised for iOS 8.1 or later. Compatible with iPhone, iPad, and iPod touch.

#### 2.2.2 ANDROID SMART DEVICES

DSEWebNet application is optimised for Android 4.0 and above.

#### 2.2.3 WINDOWS PHONES AND OTHER DEVICES

Windows phones and other devices do not support DSEWebNet application, but DSEWebNet is accessed through the Windows mobile browsers [www.dsewebnet.com](http://www.dsewebnet.com) in the Windows phones.


### 2.3 PC INTERNET BROWSERS

For information with regards to using the DSEWebNet on a PC, refer to DSE Publication: **057-168 DSEWebNet PC Internet Browser Software Manual** which is found on the DSE website: [www.deepseaelectronics.com](http://www.deepseaelectronics.com)

## 2.4 DEVICE COMPATIBILITY

At the time of printing, the following devices are currently compatible with the DSE890 & DSE891. Other devices are being added as part of DSE's ongoing development.

 **NOTE: Not all variants are available in all markets.**

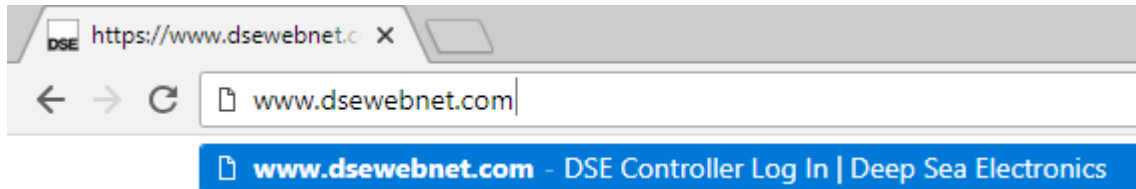
 **NOTE: Not all instrumentation is available with all Modules. Refer to the Configuration Suite PC Software manual relevant to your Module for details of supported instrumentation.**

DSE Controller
DSE334
DSE335
DSEE100
DSEE400
DSEE800
DSEL400
DSEL401, DSEL401 MKII
DSEP100
DSE4310, DSE4310 NC
DSE4320, DSE4320 NC
DSE4410 CAN, DSE4410 MPU
DSE4420 CAN, DSE4420 MPU
DSE4510, DSE4510 NC, DSE4510 RT, DSE4510 RTH, DSE4510 MKII
DSE4520, DSE4520 NC, DSE4520 RT, DSE4520 RTH, DSE4520 A1, DSE4520 MKII
DSE4610, DSE4610 RTH
DSE4620, DSE4620 RTH
DSE6010 CAN, DSE6010 MPU, DSE6010 MKII
DSE6020 CAN, DSE6020 MPU, DSE6020 MKII
DSE6110 CAN, DSE6110 MPU, DSE6110 MKII, DSE6110 MKIII
DSE6120 CAN, DSE6120 MPU, DSE6120 A3, DSE6120 MKII, DSE6120 MKIII
DSE7110, DSE7110 MKII
DSE7120, DSE7120 MKII
DSE7210
DSE7220
DSE7310, DSE7310 MKII
DSE7320, DSE7320 MKII
DSE7410, DSE7410 MKII
DSE7420, DSE7420 MKII
DSE7450
DSE8610, DSE8610 MKII
DSE8620
DSE8660, DSE8660 MKII
DSE8710
DSE8760
DSE8810
DSE8860

## 3 GETTING STARTED

To begin using *DSEWebNet* via the smart device application, an account is required with the necessary *Gateways* and *Modules* registered to it. This is achieved by accessing *DSEWebNet* website on a PC.

Launch a compatible internet browser and navigate to the website: **www.dsewebnet.com** to access the *DSEWebNet* Software.



### 3.1 REGISTERING AN ACCOUNT

#### 3.1.1 ACCOUNT TYPES AND USES

##### 3.1.1.1 USER ACCOUNT

A *User Account* is a quick and simple way for a single user to start and take control of DSE devices remotely.

A *User Account* is best suited to those who:

- Only have a small number of DSE devices to monitor
- Do not require all the additional features of the *Organisation Account*
- Needs to be registered under an *Organisation Account* to restrict their access.

##### 3.1.1.2 ORGANISATION ACCOUNT

An *Organisation Account* is a simple way for an organisation or company manager to start and take control of DSE devices.

An *Organisation Account* is best suited to an organisation or company who:

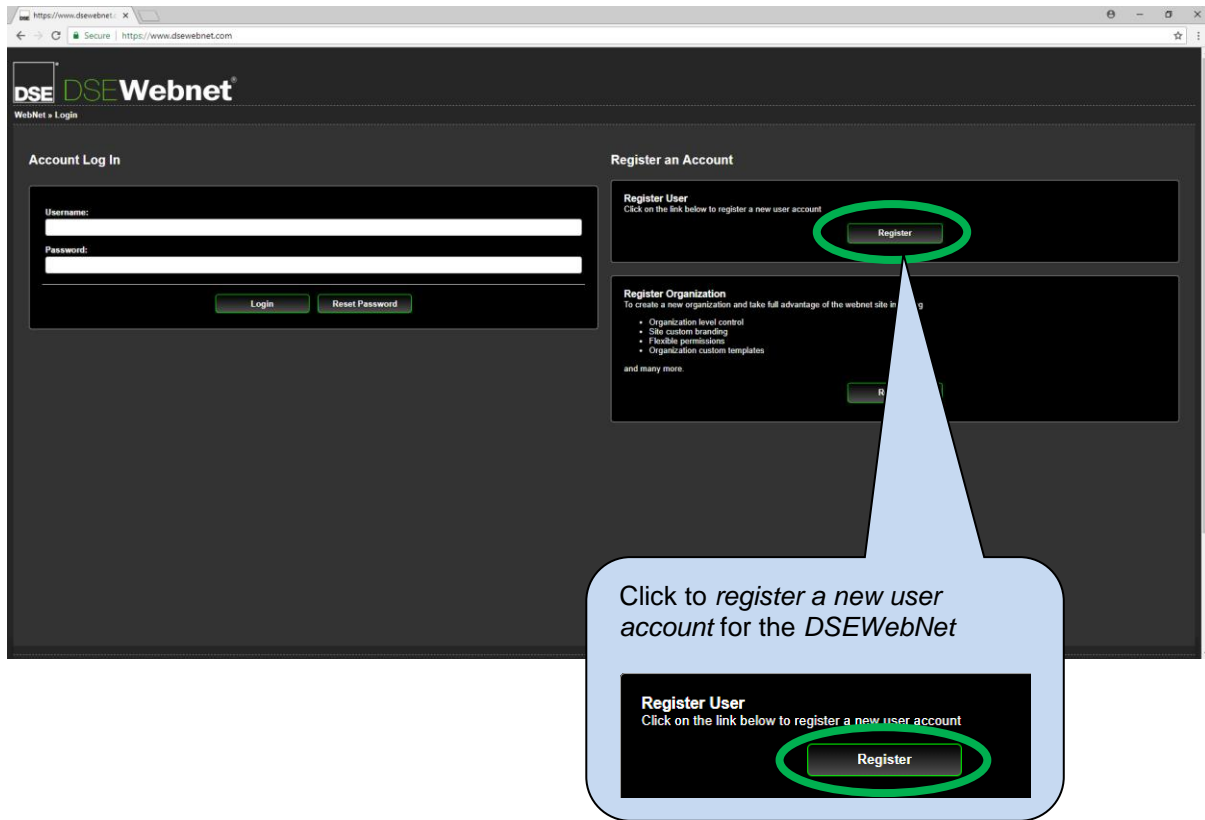
- Have a single user who wants to gain additional features.
- Have a number of DSE devices to monitor.
- Want to create access permissions to limit access for certain *User Accounts* registered to the organisation.

In addition to access permissions, an *Organisation Account* has the ability to use the following features:

- Geofencing
- Geotracking
- Sending reports and event triggers to multiple users
- Controlling multiple modules of the same type simultaneously
- Customisable graphical user interface
- Configurable module and site names

### 3.1.2 REGISTERING A USER ACCOUNT

To register a new *User Account*, click on *Register* in the *Register User* section located on the right hand side of the webpage, the registration form then appears.





3.1.2.1 NEW USER REGISTRATION FORM

**NOTE:** If the confirmation email for the DSEWebNet registration is not received, check the email's junk or spam email folder.

Once the registration form has been completed, click the *Register* button to complete. An email is sent to the new user's email address to confirm the registration. To cancel the registration, click the *Cancel* button.

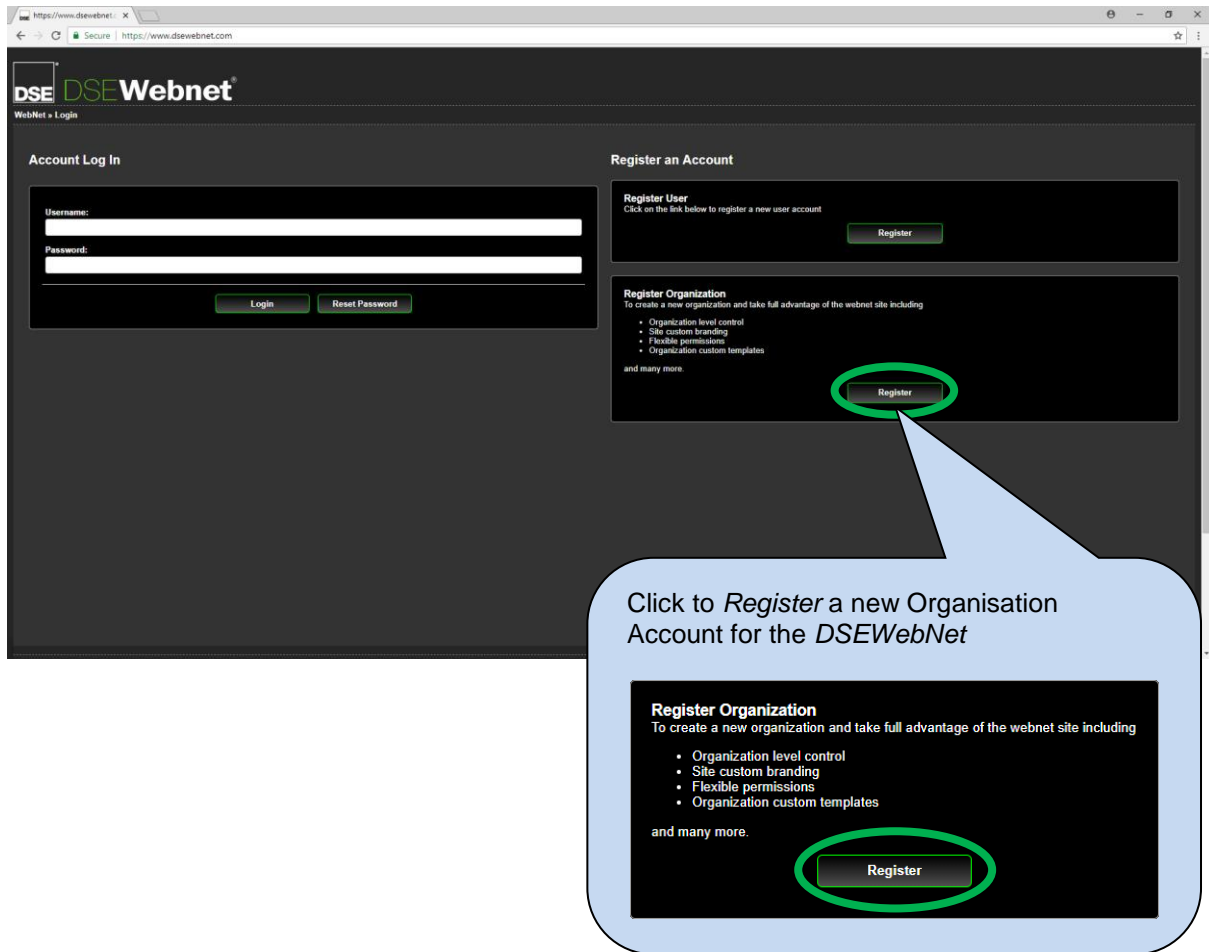
Blank registration form

Example of a completed registration form

Field	Description
Username	Enter the desired username for the new user's account.
Password	<b>NOTE: This field is CASE SENSITIVE</b>
	Enter the desired password for the new user's account.
Confirm Password	<b>NOTE: This field is CASE SENSITIVE</b>
	Re-enter the desired password for confirmation
First Name	Enter the new user's first name
Last Name	Enter the new user's last name
Email	<b>NOTE: A registration confirmation email is sent to the email address entered, ensure the email address is valid.</b>
	Enter the new user's email address. This is the default address allocated to events triggers and reports when configured.
Confirm Email	Re-enter the new user's email address for confirmation
Phone Number	Enter the new user's mobile phone number with the country code. This is the default number allocated to web events when configured.
Captcha	<b>NOTE: This field is CASE SENSITIVE</b>
	Enter the text displayed in the image below.
	Click button to change the image if the text is not clear.
	Click button to enunciate the text in the image if it is not clear.

### 3.1.3 REGISTERING AN ORGANISATION ACCOUNT

To *Register an Organisation Account*, click on *Register* in the *Register Organisation* section located on the right hand side of the webpage, the registration form then appears.



**New Organisation Registration Form**

**NOTE:** If the confirmation email for the DSEWebNet registration is not received, check the email's junk or spam email folder.

Once the registration form has been completed, click the *Register* button to complete. An email is sent to the organisation administrator's email address to confirm the registration. To cancel the registration, click the *Cancel* button.

The image shows a blank registration form with two main sections: 'Organization' and 'Admin User'. The 'Organization' section includes fields for Organization Name, Building Name / Number, Street, Town, City, Post / Zip Code, and a Country dropdown menu. The 'Admin User' section includes fields for Username, Password, Confirm Password, First Name, Last Name, Email, Confirm Email, and Phone Number. There is also a Captcha field with a visual puzzle and a checkbox for 'I have read and agree to the terms & conditions and privacy policy'. At the bottom, there are 'Register' and 'Cancel' buttons.

Blank registration form







The image shows the same registration form as above, but with example data filled in. The 'Organization' section is filled with: Company Name, Company Building, Main Street, Hunmanby, Filey, YO14 0PH, and United Kingdom. The 'Admin User' section is filled with: Username: Joe\_Bloggs\_Admin, Password: [masked], Confirm Password: [masked], First Name: Joe, Last Name: Bloggs, Email: Joe.Bloggs@Company.com, Confirm Email: Joe.Bloggs@Company.com, and Phone Number: +441234567890. The Captcha is 'H3P4B9' and the terms and conditions checkbox is checked. The 'Register' and 'Cancel' buttons are at the bottom.

Example of a completed registration form

**Organisation Details**

Field	Description
Organisation Name	<p><b>NOTE:</b> This field is CASE SENSITIVE</p> <p><b>NOTE:</b> This name is used when a User Account requests to join the Organisation Account.</p> <p>Enter the name of the organisation or company the account is for.</p>
Building Name/Number	Enter the building name or number of the organisation or company.
Street	Enter the street the organisation or company is located on.
Town	Enter the town the organisation or company is located in.
City	Enter the city the organisation or company is located in.
Post/Zip Code	Enter the post or zip code of the organisation or company.
Country	Select the country the organisation or company is located in.

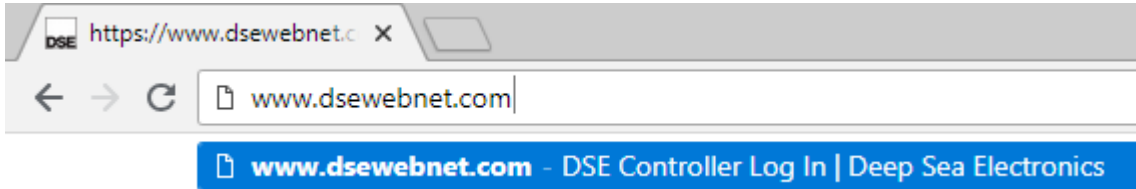
**Organisation Administrator Account Details**

Field	Description
Username	Enter the desired username for the organisation account.
Password	 <b>NOTE: This field is CASE SENSITIVE</b>
	Enter the desired password for the organisation account.
Confirm Password	 <b>NOTE: This field is CASE SENSITIVE</b>
	Re-enter the desired password for confirmation
First Name	Enter the organisation administrator's first name
Last Name	Enter the organisation administrator's last name
Email	 <b>NOTE: A registration confirmation email is be sent to the email address entered, ensure the email address is valid.</b>
	Enter the organisation administrator's email address. This is the default address allocated to events triggers and reports when configured.
Confirm Email	Re-enter the organisation administrator's email address for confirmation
Phone Number	Enter the organisation administrator's mobile phone number with the country code. This is the default number allocated to web events when configured.
Captcha	 <b>NOTE: This field is CASE SENSITIVE</b>
	Enter the text displayed in the image below.
	Click button to change the image if the text is not clear.
	Click button to enunciate the text in the image if it is not clear.

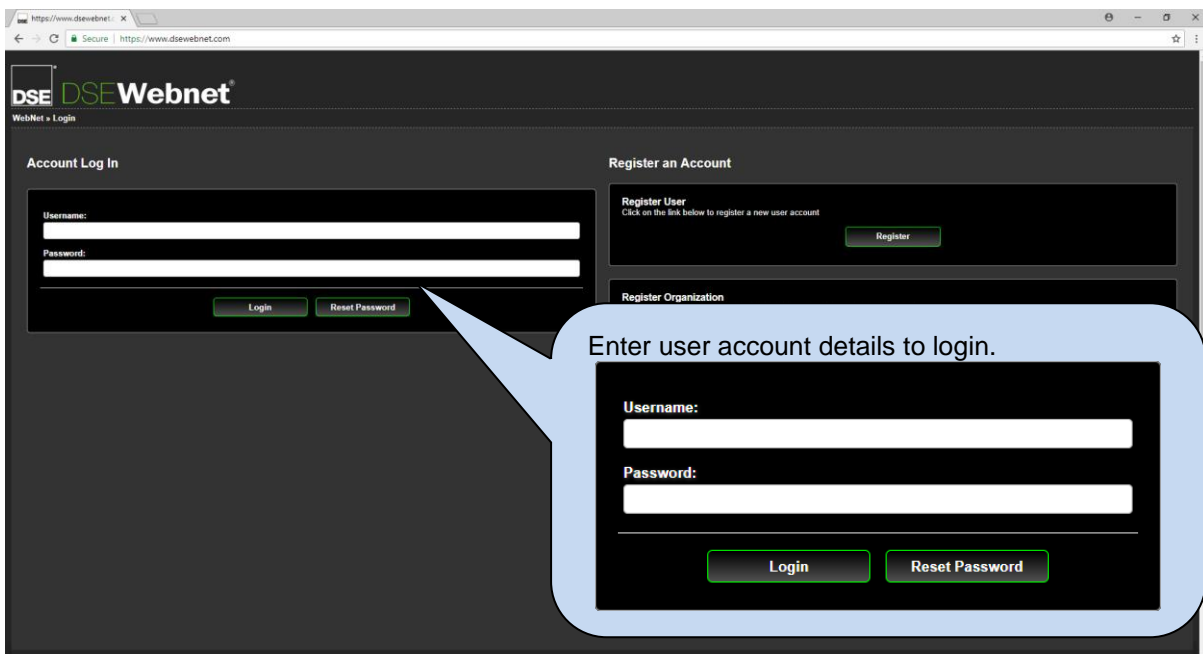
### 3.2 LOGGING IN

**NOTE:** To log in to the DSEWebNet, a user account is required. To register an account, refer to the section 'Registering an Account' elsewhere in this document.

Launch a compatible internet browser and navigate to the website: [www.dsewebnet.com](http://www.dsewebnet.com) to access the DSEWebNet Software.



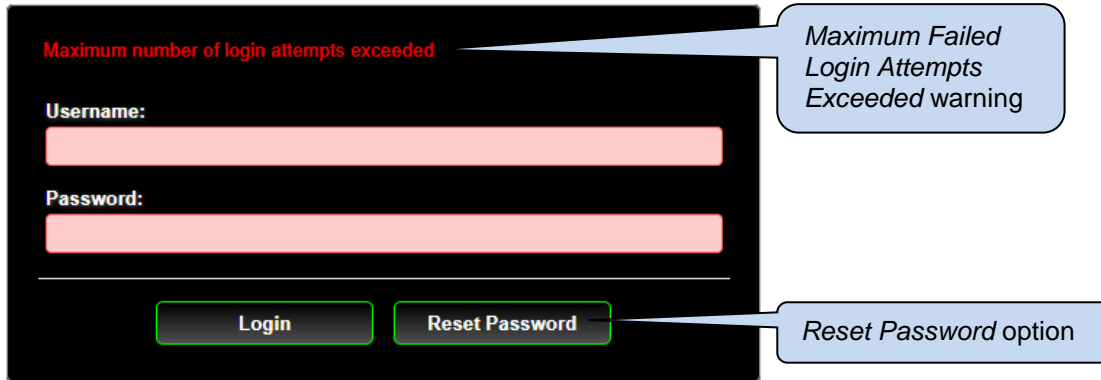
To *Login*, type the registered account details into the *Account Login* section. This is located on the left hand side of the webpage.



Field	Description
Username	Enter the username of the registered account
Password	<b>NOTE:</b> This field is <b>CASE SENSITIVE</b>
	Enter the password of the registered account
Reset Password	<b>NOTE:</b> If the password retrieval email is not received, check the email's junk or spam email folder.
	To retrieve a forgotten or lost password, click the <i>Reset Password</i> button. Enter the username of the account and the captcha, then click <i>Reset Password</i> . A new password is sent to the registered email address for that account.

### 3.3 MAXIMUM FAILED LOGIN ATTEMPTS EXCEEDED

If the user's *Password* is entered incorrectly three times, the account is locked and the password must be reset. To reset the user's password, click on the *Reset Password* option in the *Account Login* section located on the left hand side of the webpage. This sends a new password to the registered email address for that account. If the reset password email is not received, check the email's junk or spam email folder.

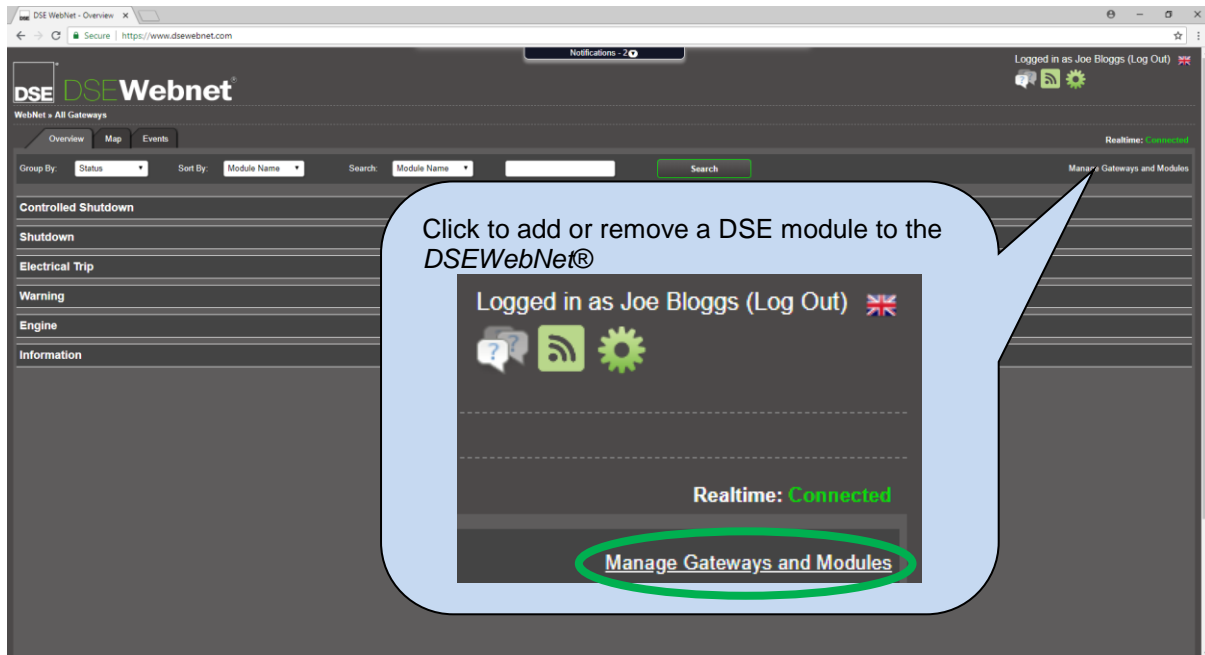


### 3.4 CONFIGURING THE SYSTEM

#### 3.4.1 ADDING OR REMOVING DSE GATEWAY

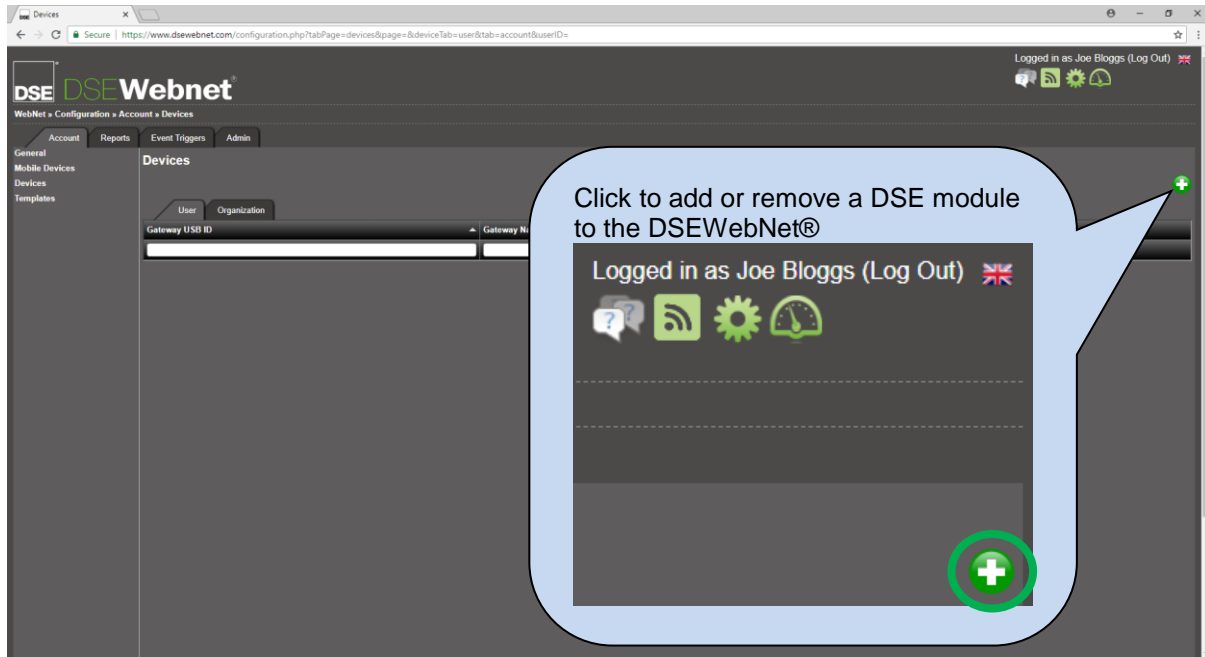
**NOTE:** To add a DSE Gateway to the DSEWebNet, the DSE Gateway **MUST** have been connected to the configured DSE Modules and the internet by an Ethernet or GPRS/GSM connection at least once.

Upon first login, the user is presented with a 'blank' account with no *DSEGateway* Devices configured. To add or remove a *DSEGateway* to the account, click on *Manage Gateways and Modules* located on the top right hand corner of the webpage. The *Devices* section of the *Account Settings* is opened.



## Getting Started


To add a *DSEGateway* to the account, click the *Plus*  button located on the top right hand corner of the webpage. The *Add New Gateway* option is opened.



**NOTE:** For information with regards to the set up of the DSE Gateway, refer to DSE Publication: 057-165 *DSE890 & DSE891 Gateway Operators Manual* located on the DSE website: [www.deepseaelectronics.com](http://www.deepseaelectronics.com)

To add a *DSEGateway* to the user's account, the *Gateway ID* and *Security Code* are required. This information is located in the *DSEGateway Configuration* screens.

The Gateway ID is located under the *Status | Info* section of the *DSEGateway®* configuration.

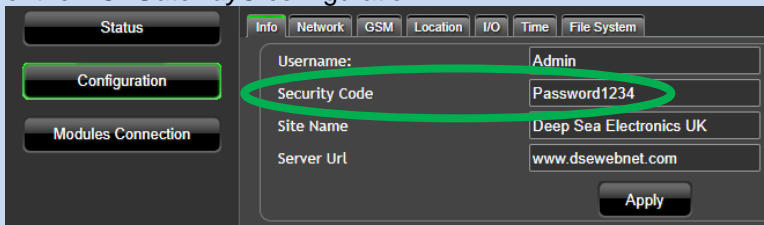


Exit without saving

Click to continue

OK Cancel

The Security Code is located under the Gateway Setup section of the *DSEGateway®* configuration.



Apply

If the *DSEGateway* being added to the user account has not been connected to the internet at least once, the below error message appears. Check to ensure that the *DSEGateway* is connected to the internet by ensuring the LINK LED is green on the *DSEGateway*.

New

The specified gateway USB ID does not exist

Gateway USB ID:

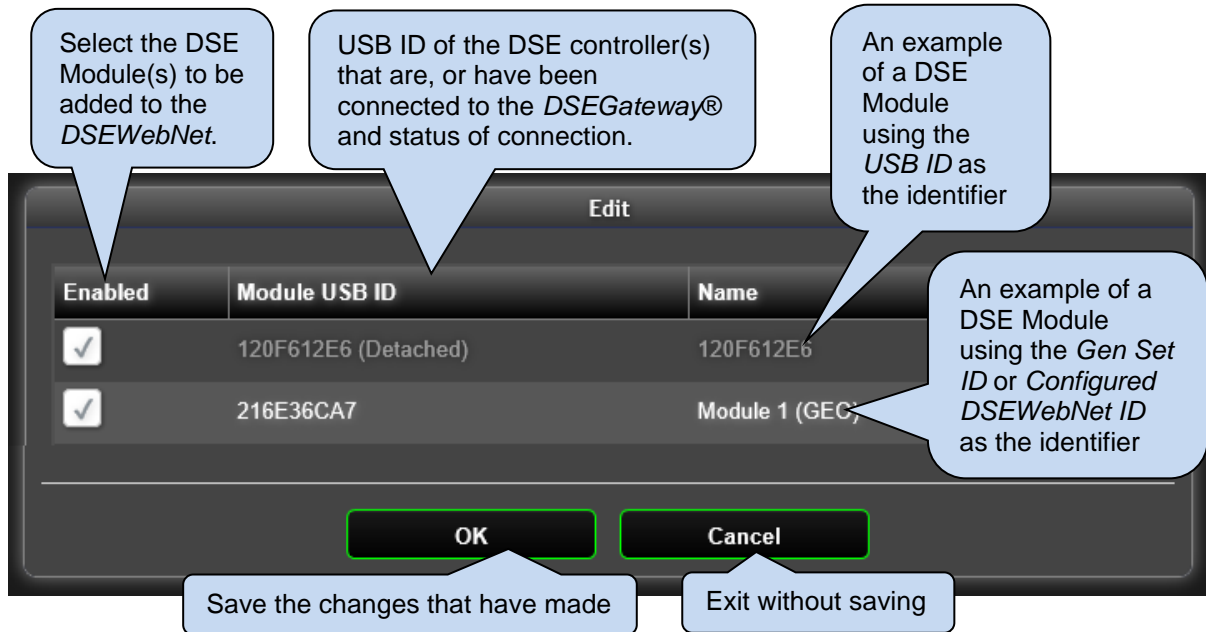
Gateway Password:

OK Cancel

### 3.4.2 ADDING OR REMOVING A DSE MODULE FROM A SITE

**NOTE:** For more information, refer to DSE publication: 057-151 DSE Configuration Suite PC Software Installation & Operation Manual located on our website: [www.deepseaelectronics.com](http://www.deepseaelectronics.com)

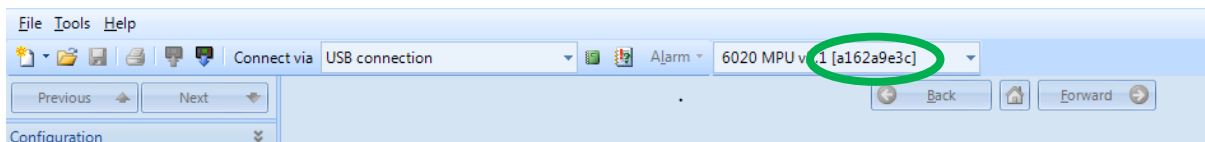
The DSE modules available to be added to the *DSEWebNet* are displayed and illuminated. Previously connected modules are shown greyed out and listed as *Detached*. To identify the DSE Module, the *DSEWebNet* uses the Module's *Gen Set ID*, *USB ID* or *Configured DSEWebNet ID* depending on what is available.



The DSE Module's *Gen Set ID* is found using the *DSE Configuration Suite* PC Software. Refer to the DSE Module's Software Manual for further details.

The DSE Module's *Configured DSEWebNet Site/Set Alias* is found using the *Admin* section of the *DSEWebNet*. Refer to the section entitled *Admin* elsewhere in this manual for further details.

The DSE Module's *USB ID* is found using the DSE Configuration Suite PC Software as shown below.



### 3.5 LOGGING IN

**▲NOTE:** To log in to the DSEWebNet application, a user account is required. To register an account, refer to the section *Registering an Account* elsewhere in this document.

To launch the *DSEWebNet Application*, tap the icon below.



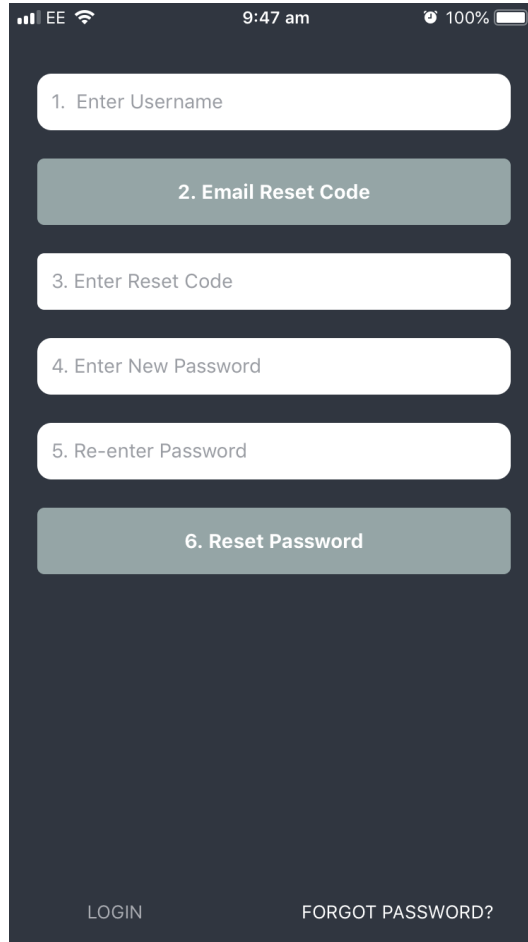
The following *DSEWebNet Application Login* page appears, type the registered account details in the *Username* or *USBID* field and the password in the *Password* field.



Field	Description
Username	Enter the <i>Username</i> of the registered account
Password	<b>▲NOTE: This field is CASE SENSITIVE</b>
	Enter the <i>Password</i> of the registered account

### 3.5.1 FORGOT PASSWORD?

When a password is forgotten tap *Forgot Password* on the *Login* screen, *Enter Username* and tap *Email Reset Code*. A code is sent to the registered email address for that account. If the email is not received, check the email's junk or spam email folder. Then *Enter Reset Code*, *Enter New Password* and *Re-enter Password* to confirm. Finally tap *Reset Password* to complete the process.



Field	Description
Enter Username	Enter the <i>Username</i> for the <i>DSEWebNet</i> account.
Email Reset Code	Tap to receive an email with a <i>Reset Code</i>
Enter Reset Code	Enter the received <i>Reset Code</i>
Enter Password	<div style="border: 1px solid black; padding: 2px;"> <p><b>NOTE: This field is CASE SENSITIVE</b></p> </div> Enter <i>New Password</i> for the account.
Re-enter Password	<div style="border: 1px solid black; padding: 2px;"> <p><b>NOTE: This field is CASE SENSITIVE</b></p> </div> Re-enter <i>password</i> to confirm
Reset Password	Tap <i>Reset Password</i> to complete the process

### 3.5.2 MAXIMUM FAILED LOGIN ATTEMPTS EXCEEDED

If the user's password is entered incorrectly three times, the account is locked and the password must be reset. To reset the user's password, click on the *Forgotten Password?* option in the *Login* page.



# 4 OPERATING DSEWEBNET

## 4.1 SYSTEM OVERVIEW

The image below shows an example of a DSEWebNet system monitoring three different gateways with multiple Modules connected. Each group indicates the number of modules in that state. See subsequent sections for more details on the features highlighted below.



Menu Tab switches between Devices, Notifications, Settings and Logout.

Notifications tab with counter indicates Notifications of Modules on the account.

DSE modules grouped by status.



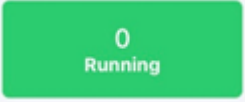
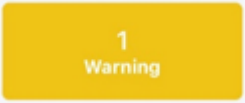

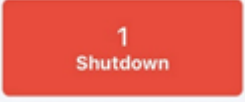
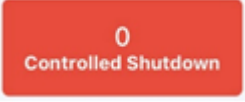

View All Devices grouped by site.

View All Devices

### 4.1.1 DSE MODULE STATUS

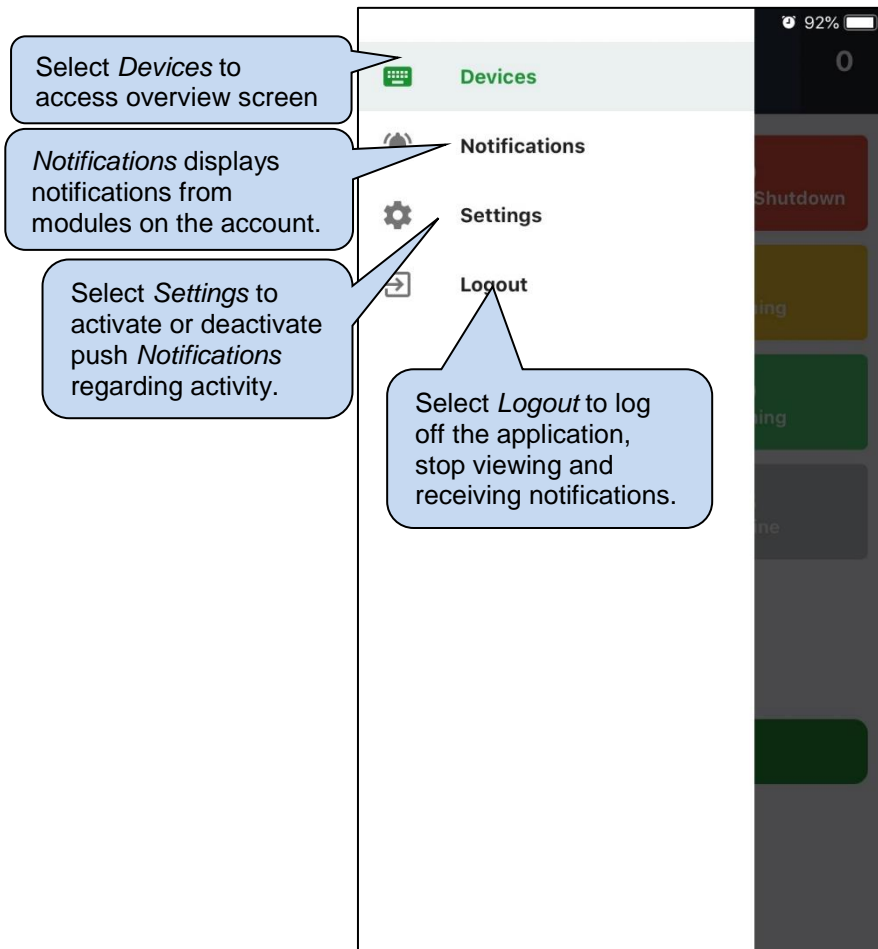
**▲NOTE: Alarms, events, control features and parameters that are monitored are dependent upon the DSE Module’s specification. Refer to the DSE Module’s Operators and Software Manuals for further details.**

The table below shows the colours used to represent the status of a *DSE Module* on the DSEWebNet. Each status group indicates the amount of Modules in that condition.

State	Description
	The DSE Module is <i>Offline</i> (no communication)
	The DSE Module is <i>Online</i> (communicating) and in standby in any control mode
	The DSE Module is <i>Running</i> a generator in any control mode.
	The DSE Module has a <i>Warning</i> alarm active
	The DSE Module has an <i>Electrical Trip</i> alarm active
	The DSE Module has a <i>Shutdown</i> alarm active.
	The DSE Module has a non emergency <i>Controlled Shutdown</i> alarm active.
	The DSE Module has an <i>Engine</i> alarm active.

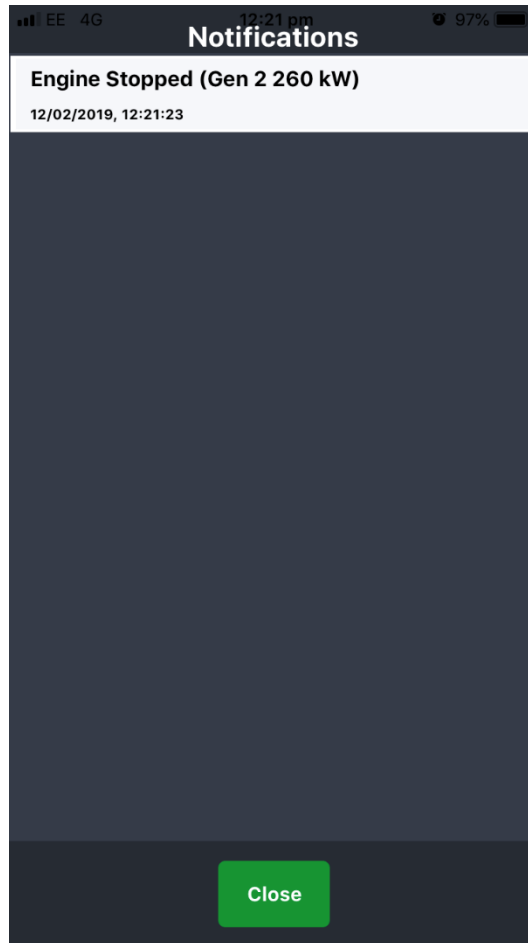
### 4.1.2 MENU TAB

Menu tab (lower left) is accessed from the overview screen.



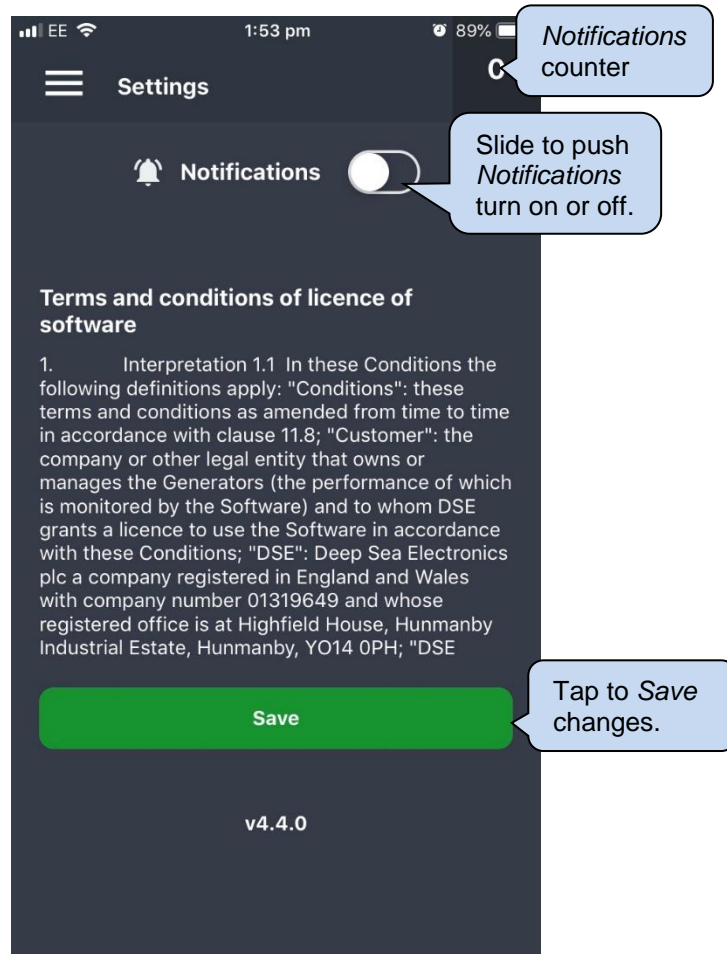
#### 4.1.2.1 NOTIFICATIONS

The *Notifications* screen is accessed via the *Menu* tab and tapping *Notifications* or tapping the *Notifications* counter in the top right of the screen.



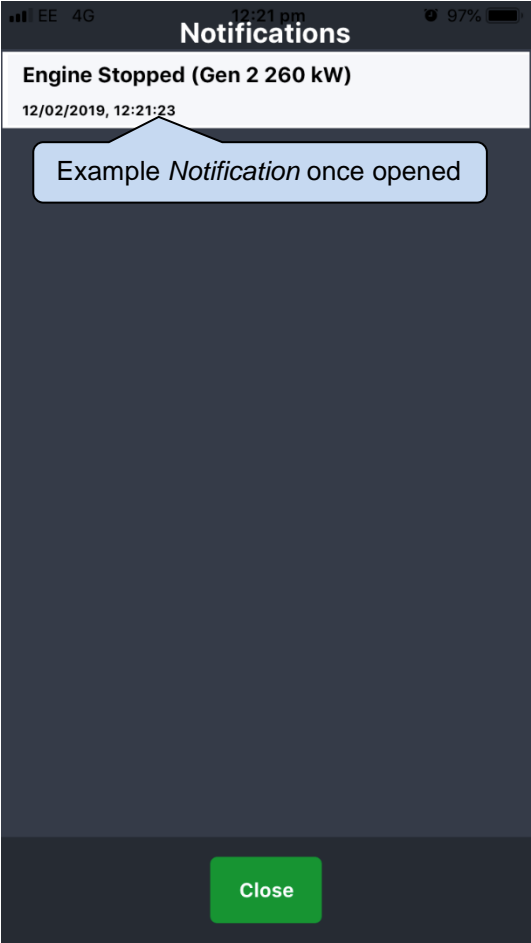
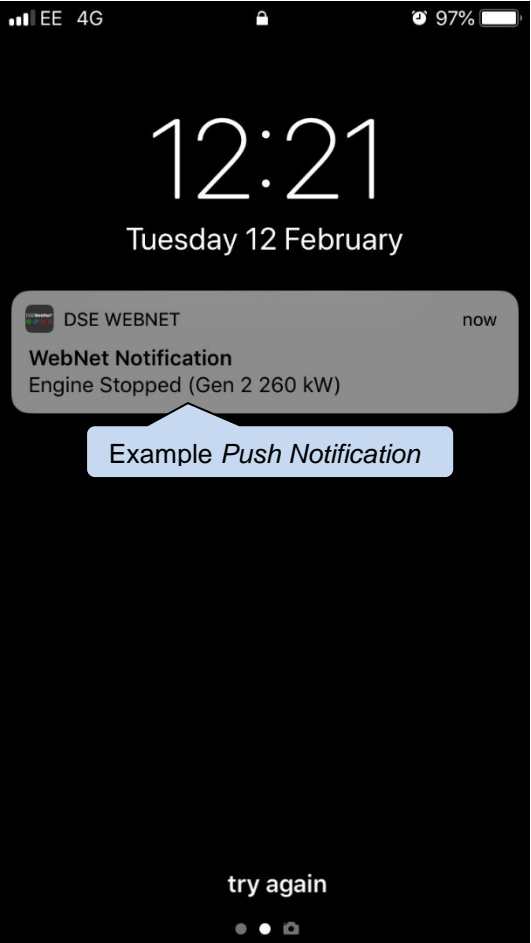
#### 4.1.2.2 SETTINGS

Push *Notifications* are activated and deactivated by sliding the icon side to side, the terms and conditions of software is also located here.



4.1.2.2.1 PUSH NOTIFICATIONS

Push Notifications are displayed on the device and displayed on the Notifications screen as shown. This screen is also accessed via any page that indicates the counter top right corner.

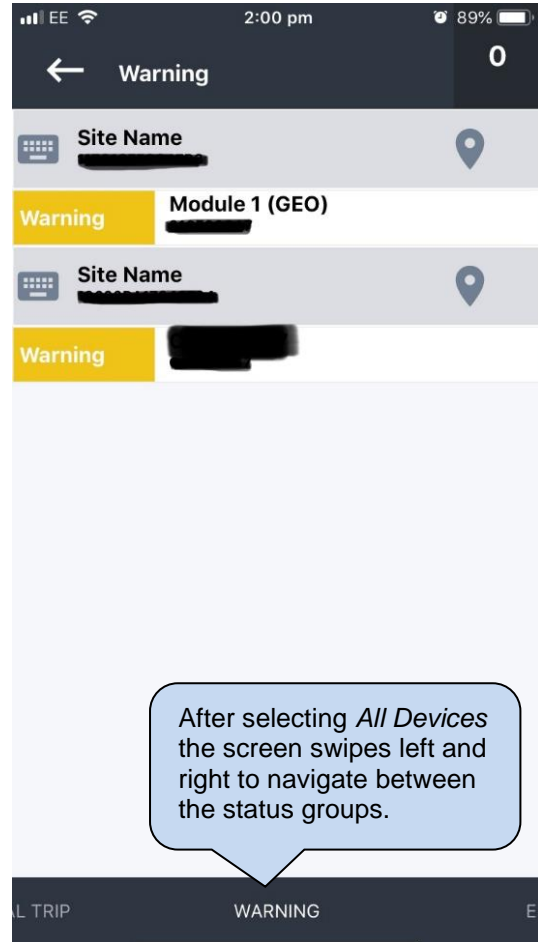


## 4.2 ALL DEVICES








Selecting *All Devices* from the *Overview* page shows all *Gateways* and *Modules* grouped by the gateway they are connected to as shown below. Swipe the screen left or right to navigate between the *Module Status* groups.



Example of *All devices*, *Overview*

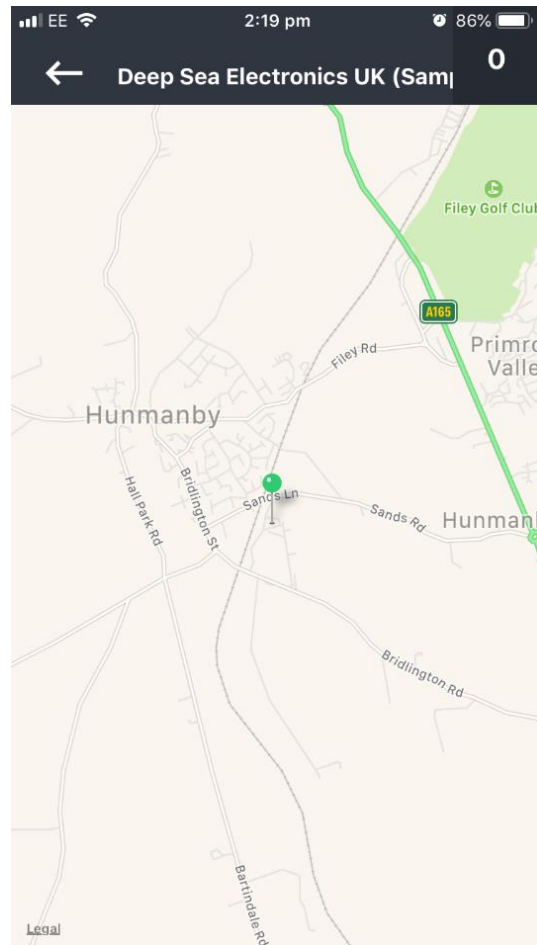
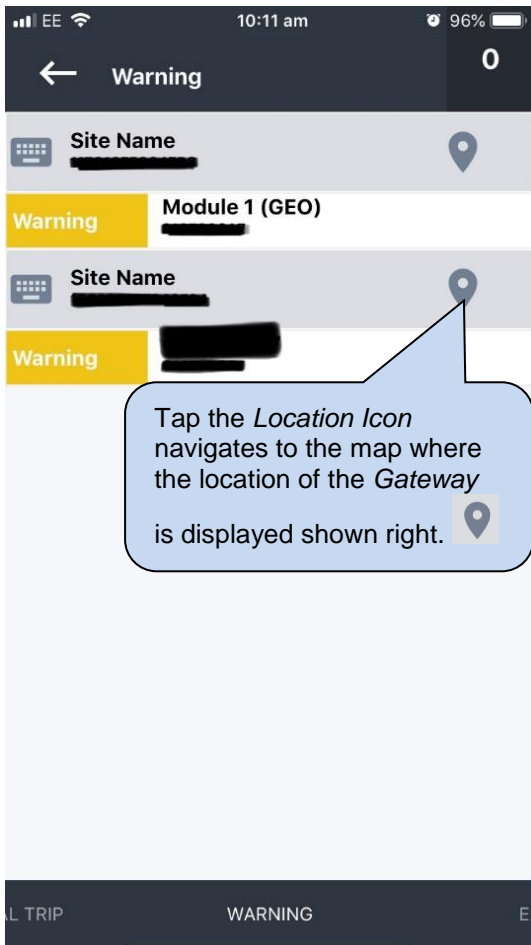


Example of *All Devices*, *Warning*

State	Description
	The DSE Module is <i>Offline</i> (no communication) and is located in the <i>Offline</i> group
	The DSE Module is <i>Online</i> (communicating) and in standby in any control mode and is located in the <i>Online</i> group
	The DSE Module is <i>Running</i> a generator in any control mode. and is located in the <i>Running</i> group
	The DSE Module has a <i>Warning Trip</i> alarm active and is located in the <i>Warning</i> group
	The DSE Module has an <i>Electrical Trip</i> alarm active is be located in the <i>Electrical</i> group
	The DSE Module has a <i>Shutdown</i> or <i>Controlled Shutdown</i> alarm active is be located in the <i>Shutdown</i> group
	The DSE Module has an <i>Engine</i> alarm active. and is located in the <i>Engine</i> group

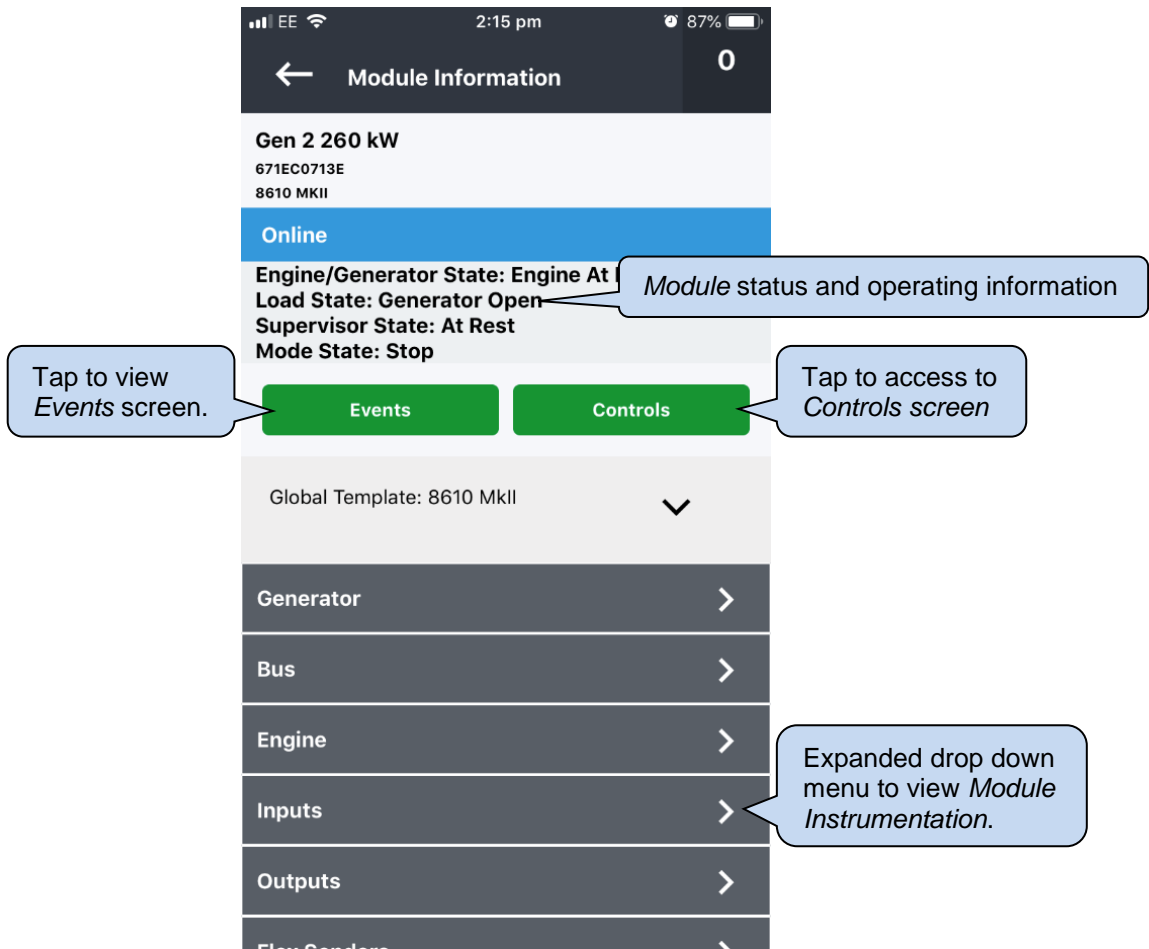
### 4.2.1 TRACKING GATEWAYS

When viewing the list of *Gateways*, tap the *Location Icon* for a *Gateway* to view its current location on the map screen. The map zooms in or out for ease of viewing.



### 4.3 DSE MODULE

Once a module is selected *Events Controls*, and *Module Instrumentation* is accessible.

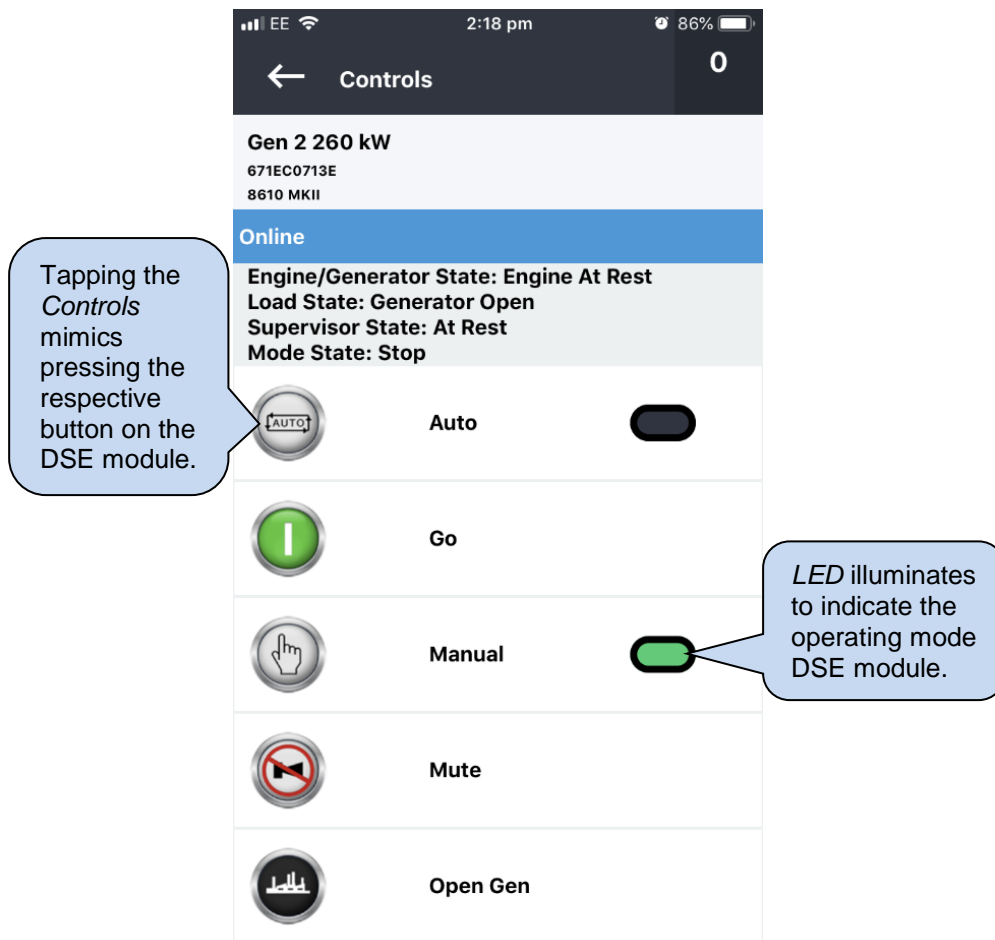


### 4.3.1 CONTROLS










The *Controls* provide the user with the ability to control a *DSE Module* remotely with ease.

**NOTE:** Control buttons and operating procedures are dependent upon the *DSE Module's* specification. Refer to the *DSE Module's* Operators and Software Manuals for further details.











**NOTE:** Dependent upon access restrictions set by the *Organisation Administrator* or changes to the graphical user interface using the *Widget Editor*, the control buttons may be disabled.













4.3.1.1 AUTOSTART MODULE

Button	Mode	Description
	Stop	Places the DSE Module into <i>Stop Mode</i> . Click the button to reset any latching alarms. It immediately opens the generator load switch and stops the engine.
	Manual	Places the DSE Module into <i>Manual Mode</i> . Click the button to enable the user to start the engine by the <i>Start</i> button and control the generator load switch using the <i>Unload Generator</i> and <i>Load Generator</i> buttons.
	Automatic	Places the DSE Module into <i>Automatic Mode</i> . Click the button to enable the DSE Module to start and stop the engine automatically by different methods.
	Mute	Click the button to mute the alarm sounder on the DSE Module and also perform a lamp test.
	Start	When in <i>Manual Mode</i> , click the button to start the generator.
	Unload Generator	When in <i>Manual Mode</i> , click the button to open the generator load switch.
	Load Generator	When in <i>Manual Mode</i> , click the button to close the generator load switch.
	On	The LED indication on the DSE Module is active. This shows the status of operating mode and load switch status.
	Off	The LED indication on the DSE Module is not active. This shows the status of operating mode and load switch status.








4.3.1.2 AMF MODULE

Button	Mode	Description
	Stop	Places the DSE Module into <i>Stop Mode</i> . Click the button to reset any latching alarms. It immediately opens the generator load switch and stops the engine.
	Manual	Places the DSE Module into <i>Manual Mode</i> . Click the button to enable the user to start the generator by the <i>Start</i> button and control the generator and mains load switch using the <i>Transfer to Mains</i> and <i>Transfer to Generator</i> buttons.
	Test	Places the DSE Module into <i>Test Mode</i> . Click the button to enable the user to start the generators to give a test on load or island mode facility depending on module configuration.
	Automatic	Places the DSE Module into <i>Automatic Mode</i> . This enables the DSE Module to start and stop automatically by different methods.
	Mute	Click the button to mute the alarm sounder on the DSE Module and to perform a lamp test.
	Start	When in <i>Manual Mode</i> , click the button to start the generator.
	Transfer to Mains	When in <i>Manual Mode</i> , click the button to transfer the load from the generator to the Mains.
	Transfer to Generator	When in <i>Manual Mode</i> , click the button to transfer the load from the Mains to the generator.
	On	The LED indication on the DSE Module is active. This shows the status of operating mode and load switch status.
	Off	The LED indication on the DSE Module is not active. This shows the status of operating mode and load switch status.









4.3.1.3 MAINS MODULE

Button	Mode	Description
	Stop	Places the DSE Module into <i>Stop Mode</i> . Click the button to reset any latching alarms. It immediately opens the generator bus load switch and removes the start request.
	Manual	Places the DSE Module into <i>Manual Mode</i> . Click the button to enable the user to start the generator by the <i>Start</i> button and control the generator bus and mains load switch using the <i>Transfer to Mains</i> and <i>Transfer to Generator Bus</i> buttons.
	Test	Places the DSE Module into <i>Test Mode</i> . Click the button to enable the user to start the generator by the <i>Start</i> button to give a test on load or island mode facility depending on module configuration.
	Automatic	Places the DSE Module into <i>Automatic Mode</i> . Click the button to enable the DSE Module to start and stop the generators automatically by different methods.
	Mute	Click the button to mute the alarm sounder on the DSE Module and to perform a lamp test.
	Start	When in <i>Manual Mode</i> , click the button to start the generators.
	Transfer to Mains	When in <i>Manual Mode</i> , click the button to transfer the load from the generator bus to the Mains.
	Transfer to Generator Bus	When in <i>Manual Mode</i> , click the button to transfer the load from the Mains to the generator bus.
	On	The LED indication on the DSE Module is active. This shows the status of operating mode and load switch status.
	Off	The LED indication on the DSE Module is not active. This shows the status of operating mode and load switch status.











4.3.1.4 GENERATOR BUS-TIE MODULE

Button	Mode	Description
	Alarm Reset	Click the button to reset any latching alarm.
	Manual	Places the DSE Module into <i>Manual Mode</i> . Click the button to enable the user to control the generator bus-tie load switch using the <i>Generator Bus-Tie Load Switch Control</i> button.
	Automatic	Places the DSE Module into <i>Automatic Mode</i> . Click the button to enable the DSE Module to open and close the generator bus-tie load switch automatically by different methods.
	Mute	Click the button to mute the alarm sounder on the DSE Module and to perform a lamp test.
	Generator Bus-Tie Load Switch Control	When in <i>Manual Mode</i> , click the button to close or open the generator bus-tie load switch.
	On	The LED indication on the DSE Module is active. This shows the status of operating mode and load switch status.
	Off	The LED indication on the DSE Module is not active. This shows the status of operating mode and load switch status.

4.3.1.5 DSE333

Button	Mode	Description
	Auto	Places the DSE Module into <i>Automatic Mode</i> . Click the button to enable the DSE Module to start and stop the generator automatically by different methods.
	Prohibit Return	Places the DSE Module into <i>Prohibit Return Mode</i> . Click the button to enable the DSE Module to start and stop automatically by different methods. Additionally it prevents the generator returning the load to the Mains until instructed.
	Test On Load	Places the DSE Module into <i>Test Mode</i> . This enables the user to start the generator to give a test facility.
	Manual	Places the DSE Module into <i>Manual Mode</i> . Click the button to start the generator and enable the user to control the generator and mains load switch using the <i>Transfer to Mains</i> and <i>Transfer to Generator</i> buttons.
	Transfer to Mains	When in <i>Manual Mode</i> , click the button to transfer the load from the generator to the Mains.
	Transfer to Generator	When in <i>Manual Mode</i> , click the button to transfer the load from the Mains to the generator.
	On	The LED indication on the DSE Module is active. This shows the status of operating mode and load switch status.
	Off	The LED indication on the DSE Module is not active. This shows the status of operating mode and load switch status.

4.3.1.6 DSE334 & DSE335

Button	Mode	Description
	Stop	Places the DSE Module into <i>Stop Mode</i> . Click the button to reset any latching alarms. It immediately opens S2 load switch and removes the start request.
	Manual	Places the DSE Module into <i>Manual Mode</i> . Click the button to start the generator and enable the user to control S1 and S2 load switches using the <i>Transfer to S1</i> and <i>Transfer to S2</i> buttons.
	Mode	Click the button to cycle through other available operating modes (Test On Load, Test Off Load & Prohibit Return). Click the <i>Tick</i> button to select once desired operating mode has appeared.
	Automatic	Places the DSE Module into automatic mode. Click the button to enable the module to start and stop automatically via different methods.
	Mute	Click the button to mute the alarm sounder on the DSE Module and to perform a lamp test.
	Tick	When the DSE Module is cycling through different operating modes using the <i>Mode</i> button, click the button to enter to the mode selected.
	Transfer to S1	When in <i>Manual Mode</i> , click the button to transfer the load from S2 to S1.
	Transfer to S2	When in <i>Manual Mode</i> , click the button to transfer the load from S1 to S2.
	On	The LED indication on the DSE Module is active. This shows the status of operating mode and load switch status.
	Off	The LED indication on the DSE Module is not active. This shows the status of operating mode and load switch status.

### 4.3.2 GENERATOR INSTRUMENTS / S2

This page shows the *Generator Instruments* of the DSE Module selected.

DSE Module's measured values of the *Generator Instruments*

Realtime dial 1
Generator L1-N Voltage 239.7 V

Realtime dial 2
Generator L2-N Voltage 240.5 V

Realtime dial 3
Generator L3-N Voltage 239.6 V

Realtime dial 4
Generator Frequency 50 Hz

Realtime data table 1
Generator L1-L2 Voltage 416.1 V
Generator L2-L3 Voltage 415.8 V
Generator L3-L1 Voltage 415.6 V

Scroll down to view the rest of the page.

4.3.3 MAINS INSTRUMENTS / S1

**NOTE:** The Mains/S1 section is only available for modules with mains/S1 sensing.

This page shows the *Mains Instruments* of the module selected.

DSE Module's measured values of the *Mains Instruments*

The screenshot displays the 'Mains' section of the DSEWebNet interface. At the top, there is a status bar with signal strength, carrier (EE), Wi-Fi, time (2:56 pm), and battery (61%). Below the status bar is a navigation bar with a back arrow, the title 'Mains', and a counter '0'. The main content area lists the following information:

- Mains, 500 kW, 800 A**  
6F23CF278A
- Online** (blue bar)
- Realtime dial 1**  
Mains L1-N Voltage  
241.2 V
- Realtime dial 2**  
Mains L2-N Voltage  
242.7 V
- Realtime dial 3**  
Mains L3-N Voltage  
242.2 V
- Realtime dial 4**  
Mains Frequency  
50 Hz
- Realtime data table 1**  
Mains L1-L2 Voltage  
418.4 V  
Mains L2-L3 Voltage  
421.7 V  
Mains L3-L1 Voltage  
417.3 V

Scroll down to view the rest of the page.

### 4.3.4 ENGINE INSTRUMENTS

This page shows the *Engine Instruments* of the module selected.

The screenshot displays the 'Engine' page in the DSEWebNet application. At the top, the status bar shows 'EE', signal strength, Wi-Fi, time '3:02 pm', and battery level '91%'. The page title is 'Engine' with a back arrow and a counter '0'. The engine model is 'Gen 2 260 kW' (671EC0713E). A green bar indicates the engine is 'Running'. Below are six 'Realtime dial' sections:

- Realtime dial 1: Engine Speed 1502 RPM
- Realtime dial 2: Oil Pressure 5.16 Bar
- Realtime dial 3: Coolant Temperature 80 °C
- Realtime dial 4: Battery Voltage 13.1 V
- Realtime dial 5: Charge Alternator Voltage 28.1 V
- Realtime dial 6: Fuel Level

Annotations include a callout for 'DSE Module's measured values of the Engine Instruments.' and a note 'Scroll down to view the rest of the page.' pointing to the bottom of the list.

4.3.5 IO

Displays the configuration and state of the inputs and outputs for the *DSE Module*. This section provides diagnostics assistance for fault finding.

The screenshot shows the 'Inputs' page for a 'Gen 2 260 kW' generator. The page is titled 'Inputs' and shows a status of '0'. Below the title, it indicates 'Gen 2 260 kW' and '671EC0713E'. The status is 'Online'. A section titled 'Digital io table 1' lists several channels:

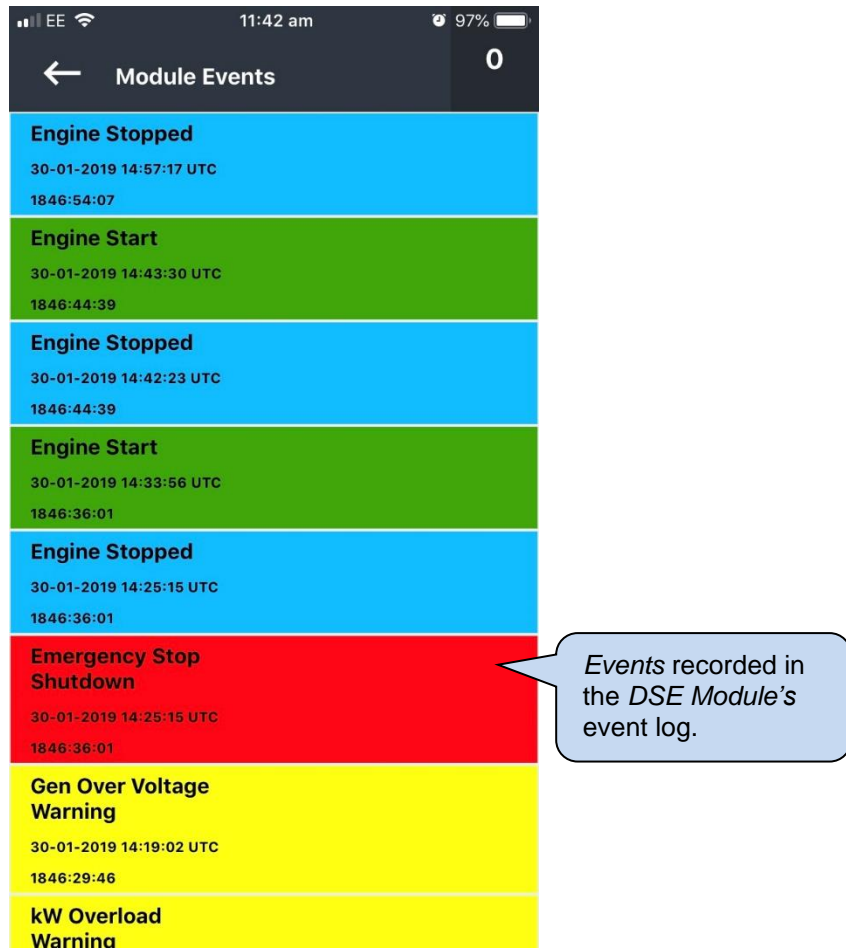
- A: Remote Start On Load Demand
- B: Mains Parallel Mode
- C: User Config
- D: Generator Closed Auxiliary
- E: User Config
- F: Louvre Open (PLC)
- G: Simulate Auto Button








Each channel has a status indicator (a circle) and a switch icon. Callouts provide details for each:

- Callout 1 (left):** 'What the input or output is configured for.' points to the channel labels.
- Callout 2 (top right):** 'Shows if the input or output channel is active or not. This input is *Opened* and is inactive. The input is configured to be *Close to Activate*' points to the status indicators for channels A, B, C, and D.
- Callout 3 (bottom right):** 'Shows if the input or output channel is active or not. This *Output* is *Closed* and is active. The output is configured to *Energise*.' points to the status indicators for channels E, F, and G.
- Callout 4 (bottom left):** 'Scroll down to view the rest of the page.' points to the bottom of the list.

### 4.3.6 EVENTS

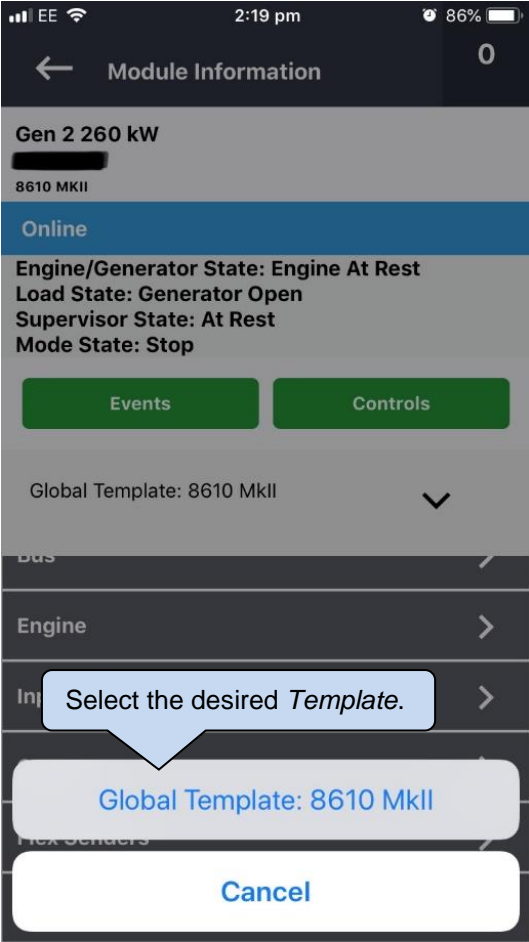
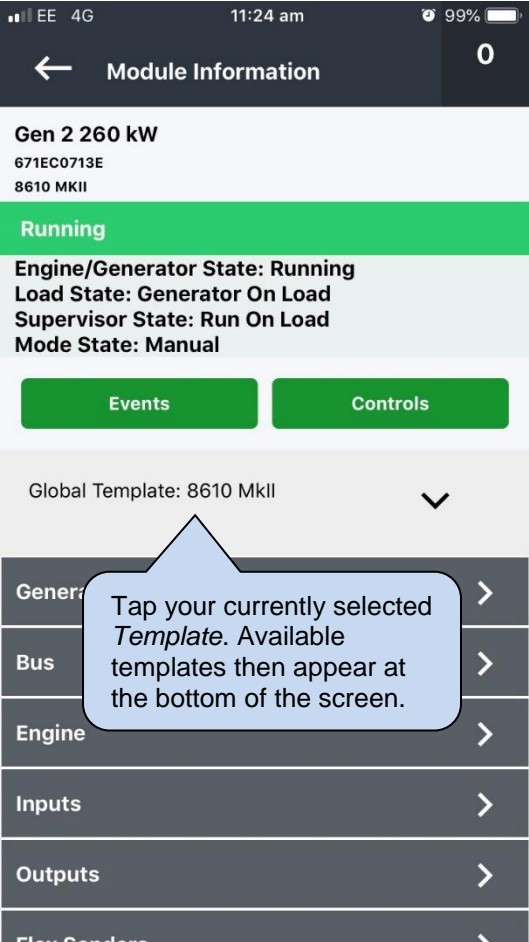
This page shows the current *Events* logged by the *DSE Modules* with dates and times for reference.



State	Description
	The DSE Module is <i>Offline</i> (no communication) and is located in the <i>Offline</i> group
	The DSE Module is <i>Online</i> (communicating) and in standby in any control mode and is located in the <i>Online</i> group
	The DSE Module is <i>Running</i> a generator in any control mode. and is located in the <i>Running</i> group
	The DSE Module has a <i>Warning Trip</i> alarm active and is located in the <i>Warning</i> group
	The DSE Module has an <i>Electrical Trip</i> alarm active is be located in the <i>Electrical</i> group
	The DSE Module has a <i>Shutdown</i> or <i>Controlled Shutdown</i> alarm active is be located in the <i>Shutdown</i> group
	The DSE Module has an <i>Engine</i> alarm active. and is located in the <i>Engine</i> group

### 4.3.7 TEMPLATES

Switch between personalised *Templates* that have been previously configured on the *DSE WebNet* website.



*This Page Is Intentionally Left Blank*