

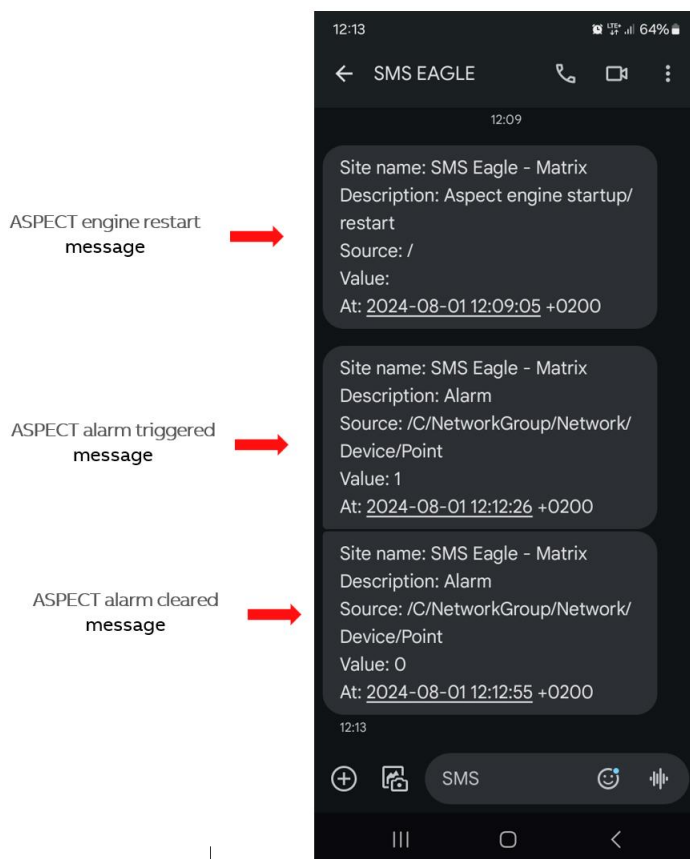
How to configure SMS Eagle gateway with ASPECT®

1 Introduction

For instances where an ASPECT® Site is required to send SMS messages, a hardware SMS/MMS gateway device must be connected and configured. ABB recommends the **SMSEagle** devices for this purpose.

SMSEagle for **ASPECT** systems can send 3 types of messages:

- ASPECT Engine Restart
- Alarm triggered
- Alarm cleared



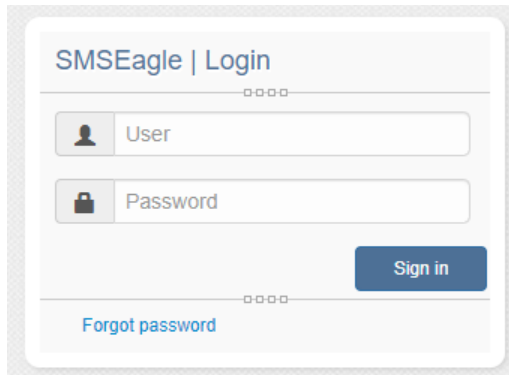
This document describes how to configure an **SMSEagle** device and the ASPECT site to which it is connected so that SMS messages are properly sent.

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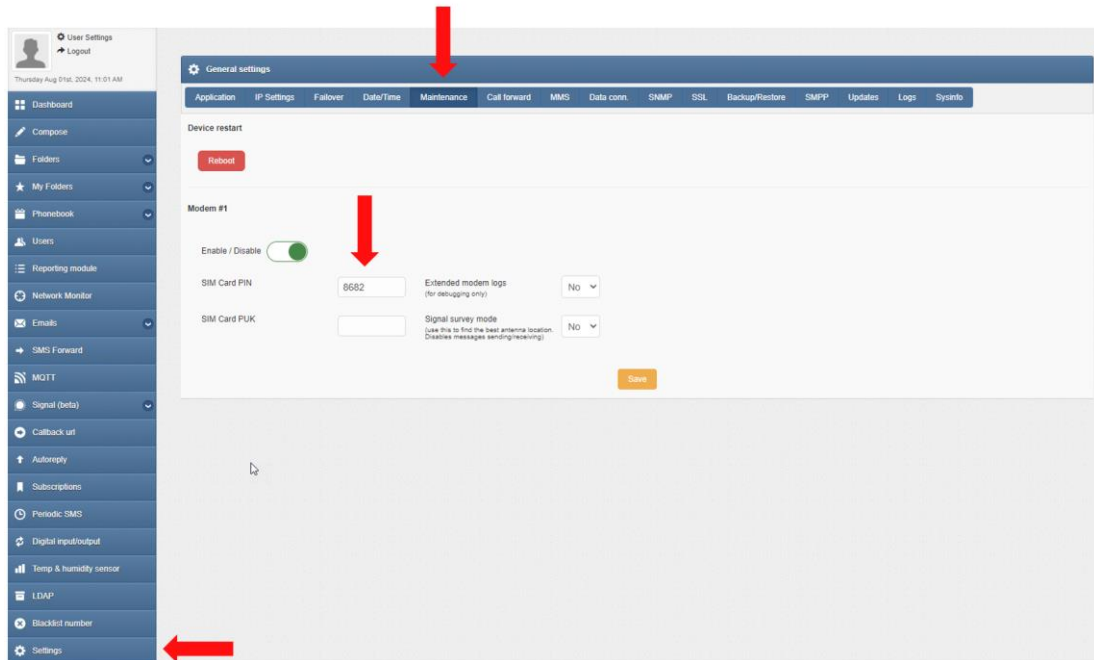
2 Steps to configure SMS Eagle

To make sure the **SMSEagle** hardware is set correctly, follow the steps:

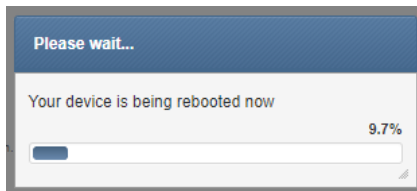
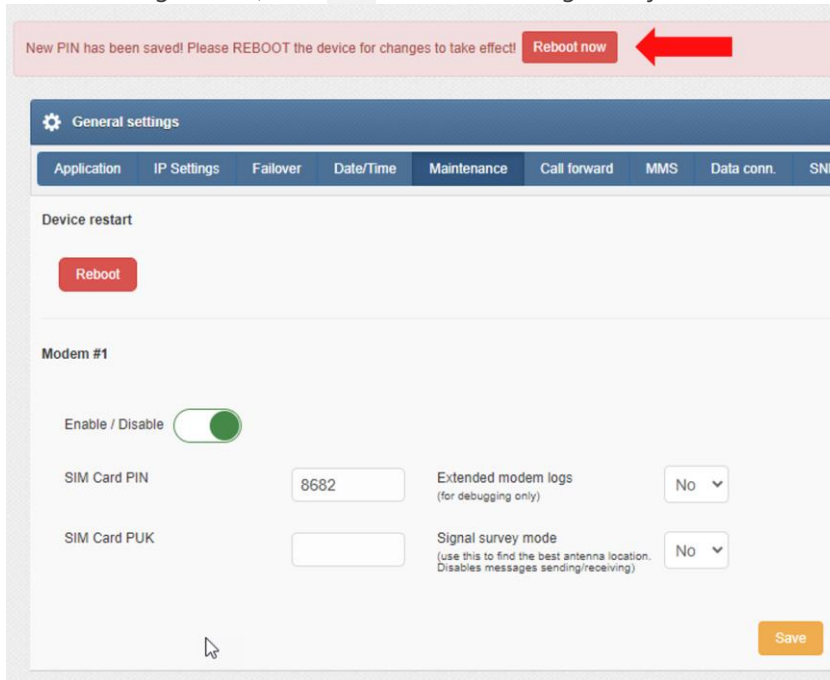
1. Determine the IP address of the device. The **SMSEagle** gateway is configured as DHCP client, so you can use any IP scanner to find what IP address has been assigned.
2. Type the IP address in a web browser to access the device's login page.
3. Use the Quick Start Guide available in the device box or on support.smseagle.eu to determine the device's default login credentials (for example `admin/password`). Enter these credentials on the device's login page:



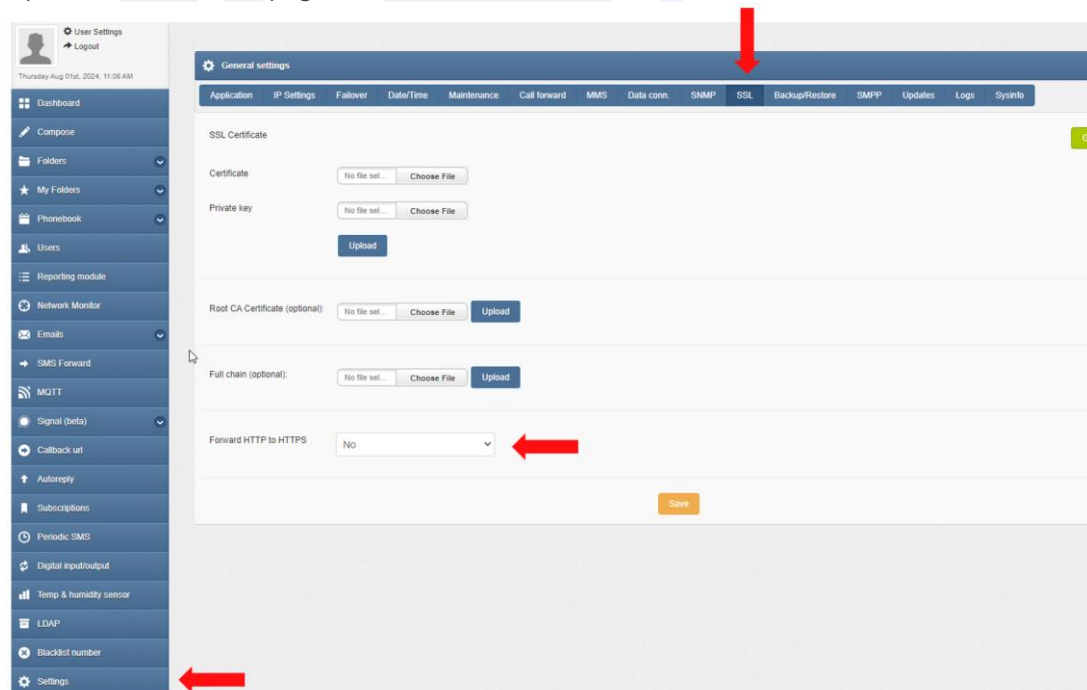
4. In the **SMSEagle** Web GUI select **Settings** in the sidebar and then the **Maintenance** tab and enter your SIM card PIN number. If PIN code is not enabled on the card, leave this field blank.



5. After entering the PIN, click **Save** and reboot the gateway

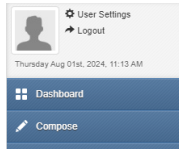


6. Open the **Settings > SSL** page. Set **Forward HTTP to HTTPS** to "No"



Click **Save** and reboot the device.

7. To test if messages can be sent successfully to the desired recipient, it is possible to manually create an SMS message by clicking **Compose** in the left-hand bar:



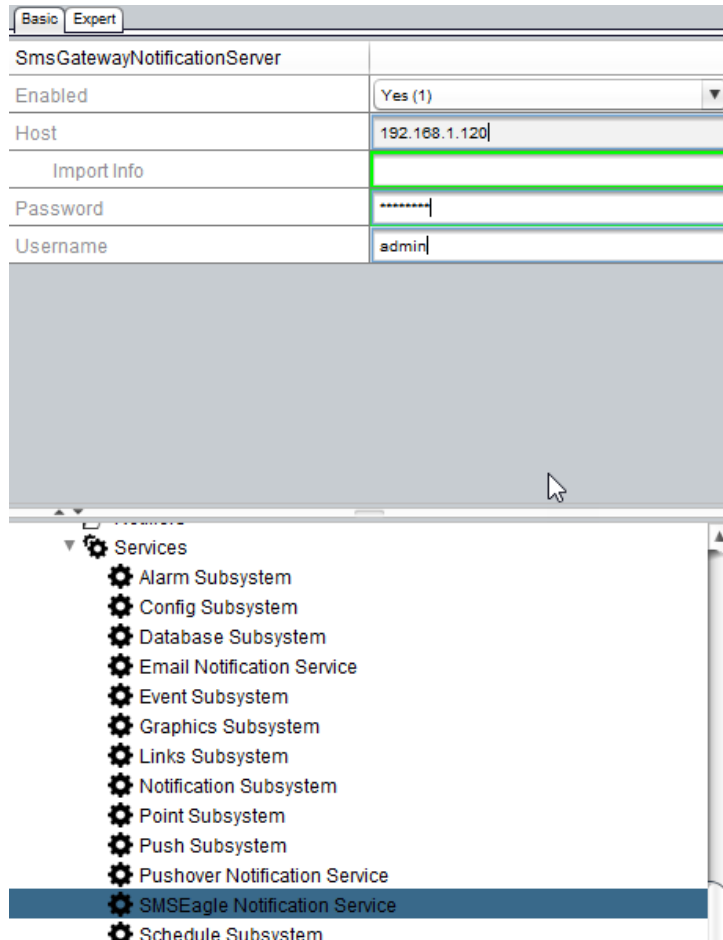
This opens the **Compose** page. Fill in the form and click **Send Message**:

A screenshot of the 'Compose' form. The title bar says 'Compose' with a close button. The form has several sections: 'Send to:' with radio buttons for 'Phonebook', 'Input manually' (selected), and 'Import from file'. Below is a text input field containing '+48123456789'. 'Time:' has radio buttons for 'Now' (selected), 'At date and time', 'After a delay', 'Between hours', and 'Priority'. 'Validity:' has a dropdown menu set to 'Default'. 'Message type:' has checkboxes for 'SMS' (checked), 'Flash SMS', 'MMS', 'USSD Code', 'Signal', and 'Email'. There is a 'Message templates...' link. A large text area labeled 'Message:' contains 'Test Message'. At the bottom left, it says '12 characters / 1 message' and 'max. message length: 1300 chars'. At the bottom right, there is a checkbox for 'Send as Unicode'. At the very bottom, there are three buttons: 'Send Message', 'Send and Repeat', and 'Cancel'.

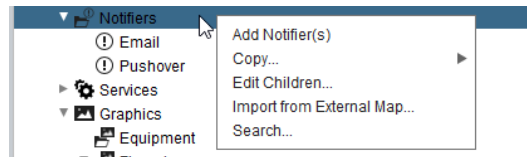
3 Steps to configure ASPECT

1. Open ASPECT-Studio and in your ASPECT Project tree navigate to Services > SMS Eagle Notification Service.
2. In the Basic properties tab enter the IP address and credentials for the SMSEagle device.

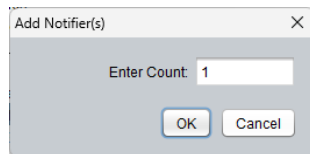
Note: Press ENTER after typing the password for the properties window to accept it.



3. Navigate to Notifiers section in your ASPECT Project Tree.
4. Right-click on Notifiers and select Add Notifier(s) in the context menu.



5. Set Enter Count to 1 and click on the OK button.



- In the **Basic** properties tab change the **Notifier Type** to **SMSEagle Gateway (1)** and the **Reference Name** to **SMSEagle**.

Basic Expert Edit/Display	
Notifier	
Display Name	SMSEagle
Active Mode	Always (1)
Content	%PROJECTNAME% %DESC% Source:...
Description	
Filter-Desc	*
Filter-Name	*
Filter-Path	*
Friendly Name	
ID Path	/N/3
Import Info	
Linked Schedule	None
Maximum Priority	1000
Minimum Priority	0
Notifier Type	SMSEagle Gateway (1)
Notify on exit?	No (0)
Reference Name	SMSEagle
Reference Path	/N/SMSEagle
Send Priority	0
Send To	
Subject	%PROJECTNAME% %SOURCE% %DESC%

Notifiers

- Email
- SMSEagle**
- Pushover

- Double-click on the **Send To** property value and enter a comma-separated list of the mobile numbers of all recipients.

Send To: +48123456789,+48987654321

Send To

+48123456789,+48987654321

OK

- Double-click on the **Subject** property value to define the Subject of the SMS message.

Note: Both plain text and ASPECT TStrings (Tokenized Strings) can be used in this field

Subject	%PROJECTNAME% %SOURCE% %DESC%
---------	-------------------------------

Subject

Site name: %PROJECTNAME%

OK

- Double-click on the **Content** property value to adjust your message content.

Note: Both plain text and ASPECT TStrings (Tokenized Strings) can be used in this field

Content	Description: %DESC% Source: %SOURCE%...
---------	---

Content

Description: %DESC%

Source: %SOURCE%

Value: %VALUE%

At: %DATE%

OK

- Set the **Active Mode** property to specify how this Notifier will become active:

Active Mode	Always (1)
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Note: Notifier Active Mode can be Disabled, Always Active, Controlled by Schedule, or Inverted Schedule Control.

- Disabled Notifiers will automatically stop evaluation - this is useful to temporarily suspend a notifier without deleting it.
- Always Active Notifiers will always continue to evaluate.
- Controlled by Schedule (with a corresponding schedule selection) will be true any time a schedule has an event/value and false any time that it does not have an event/value.
- Inverted Schedule control (with a bound schedule) will be true any time that the bound schedule does not contain a value.

- Set the Notifier's alarm priorities to limit notifications to specific ASPECT alarm priorities.

Maximum Priority	1000
Minimum Priority	0

12. Set the **Notify on Exit** property to receive notifications when alarm is cleared

Notify on exit?	Yes (1) ▼
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13. Deploy the **ASPECT** project.
14. To test whether notifications being sent to all desired recipients, deliberately trigger an alarm.