



Sunbird DCIM – SendQuick Integration Guide

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1.0 Introduction

1.1 About SendQuick

SendQuick™ develops and offers enterprise mobile messaging solutions to facilitate and improve business workflow and communication. Our solutions are widely used in areas such as IT alerts & notifications, secure remote access via Multi-Factor Authentication, emergency & broadcast messaging, business process automation and system availability monitoring.

In addition to functionality, SendQuick's messaging solutions have also been developed with other key features in mind. These include security and confidentiality of company information, and ease in mitigating disruption during unplanned system downtime such as that arising from cyberattacks. Our solutions are available in the form of server-grade hardware Appliance, Virtual Machine or Cloud-based.

SendQuick is your Innovative Partner for future-proof enterprise mobility solutions — used by over 1,500 corporations, with over 2,000 installations, including many Fortune Global 500 companies, in over 40 countries across the banking, finance, insurance, manufacturing, retail, government, education, and healthcare sectors.

1.2 Purpose of Document

This document is a guide on how to integrate Sunbird DCIM with SendQuick systems to send SMS alerts. In this guide, we will be using SendQuick Entera version 20141225-13HF4 and Sunbird Power IQ 9.0.0.194 for the integration illustration.

SendQuick supports receiving email SMTP, SNMP Traps or Syslog messages and converts them to SMS text alerts or notification to Social Messenger applications. In this document, we will highlight how to configure Sunbird DCIM to integrate with SendQuick via the email SMTP delivery method to send SMS text alerts.

2.0 Configure SMTP on Sunbird DCIM

When there is a need to send a notification alert, Sunbird DCIM can trigger an email to SendQuick that will then convert the email message to SMS. For this setup, SendQuick has a built-in SMTP that Sunbird DCIM can use as the SMTP Server.

2.1 Configure SMTP Server on Sunbird DCIM

On the dashboard of Sunbird DCIM platform, navigate to the following item:

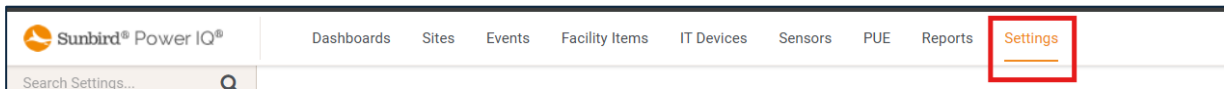


Figure 1 : Configure Settings on Sunbird

On the left panel find the “**Appliance Administration**” section, click on “**Server Settings**” then click on “**Manage SMTP Servers**”

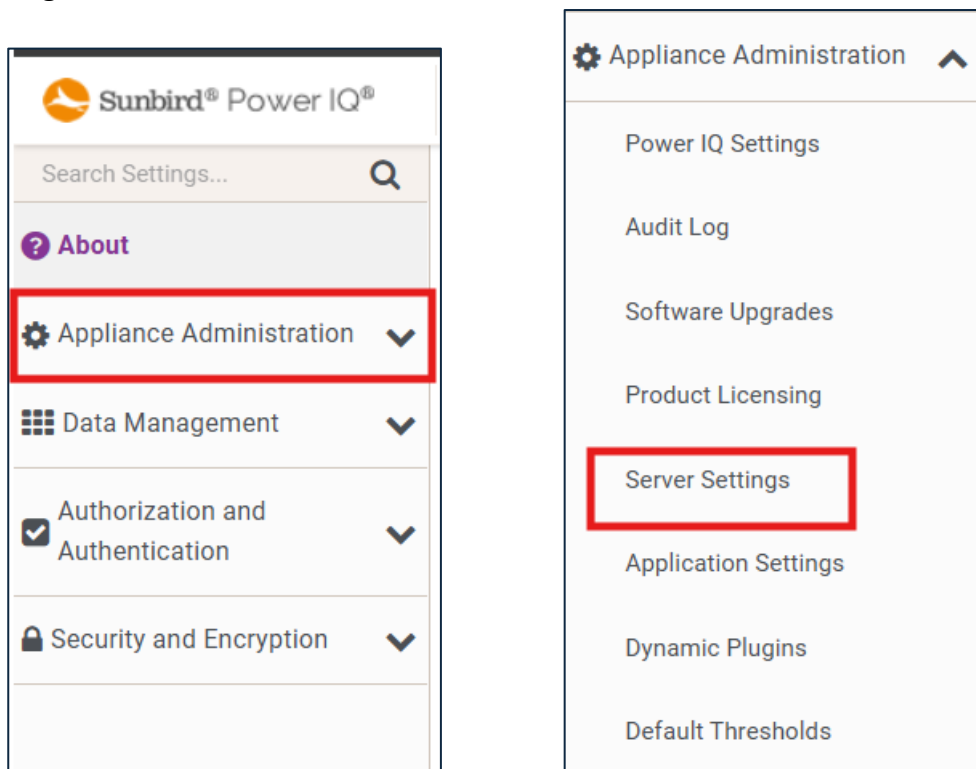


Figure 2 :Select “server settings” under Appliance Administration

Fill in the fields for **SMTP SERVER Settings**.

In the field for Server name/IP Address key in your SendQuick IP address (in our example, we are using *192.168.0.196*). By default, the SMTP Port Number is 25. Leave the “SSL and TLS” box unchecked and leave “Authentication type” selection to None.

The screenshot shows the 'SMTP Server Settings' configuration page. It is divided into two main sections: 'Basic Settings' and 'Authentication and Encryption Settings'.
Basic Settings:
- Server name/IP address: 192.168.0.196
- Port: 25
- Sender e-mail address: sunbird@192.168.0.196
A note below the sender address states: 'E-mails will be sent from this address (for example, poweriq@example.com)'.
Authentication and Encryption Settings:
- Authentication type: None (dropdown menu)
- Username: (empty text field)
- Password: (empty text field)
- Confirm password: (empty text field)
- Encryption method: None SSL TLS
At the bottom, there are two buttons: 'Send a Test E-mail' and 'Save SMTP Settings'.

Figure 3 : SMTP Settings

If you would like to test if the SMTP can send an email, click on “Send a Test E-mail” and test sending an email to see if the setup is correct.

The screenshot shows a dialog box titled 'Recipient e-mail address'. The text inside reads: 'We'll try to send a test e-mail to this address using the specified SMTP settings.' Below this text, the email address '██████████@192.168.0.196' is displayed. At the bottom of the dialog, there are 'Cancel' and 'OK' buttons.

Figure 4 : Testing the SMTP configuration by Sending a Test Email.

Put the phone number to receive the SMS text as the email address using the format <mobilenumber>@<sendquickdomainname>. Replace <mobilenumber> with the phone number and <sendquickdomainname> with the Domain name of your SendQuick system.

If the setup is correct, you should get a **Test Successful!** notification. Click on “Save These Settings Now” to continue.

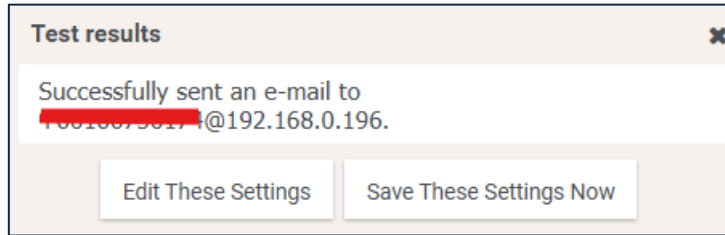


Figure 5 : Notification if test is successful

To confirm that SendQuick has subsequently received the email and sent out as SMS, go to SendQuick dashboard. Navigate to:

Usage Logs > Message Log

Click on the **Sent** tab and **SMS** tab. If there is a corresponding entry in the logs, that means the SMS text was sent successfully.

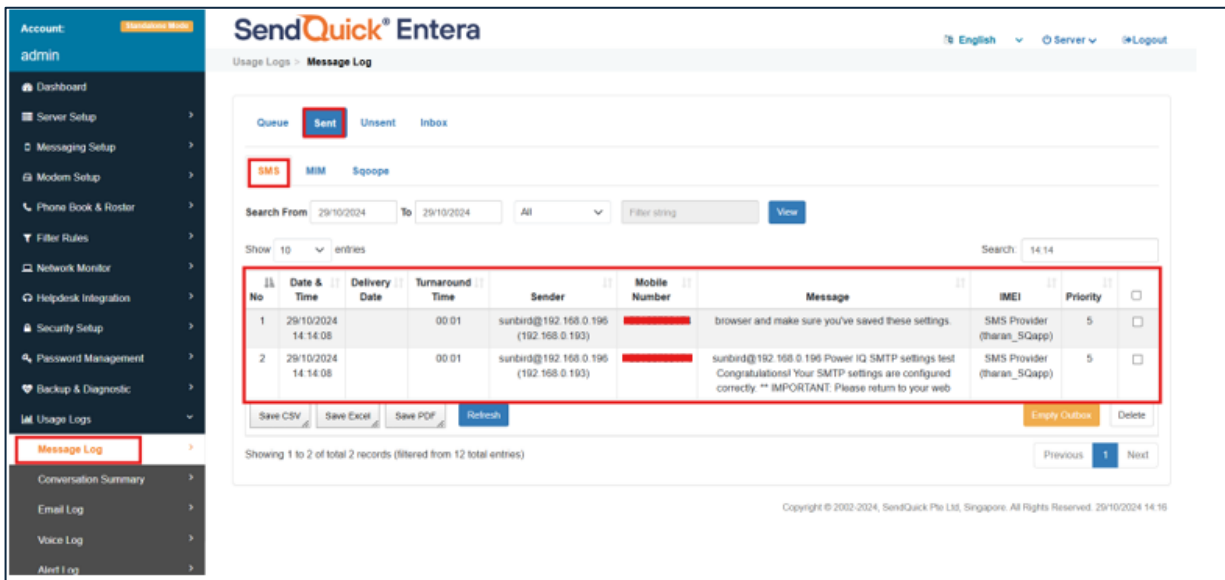


Figure 6 : Message log on SendQuick to check if Message was Sent Successfully

Once your SMTP server settings have been set you are ready to add filters for event notifications

Go to Sunbird DCIM Dashboard, click on **“Admin”** and click **“Profile”**

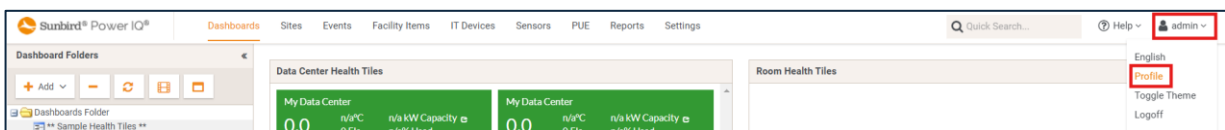
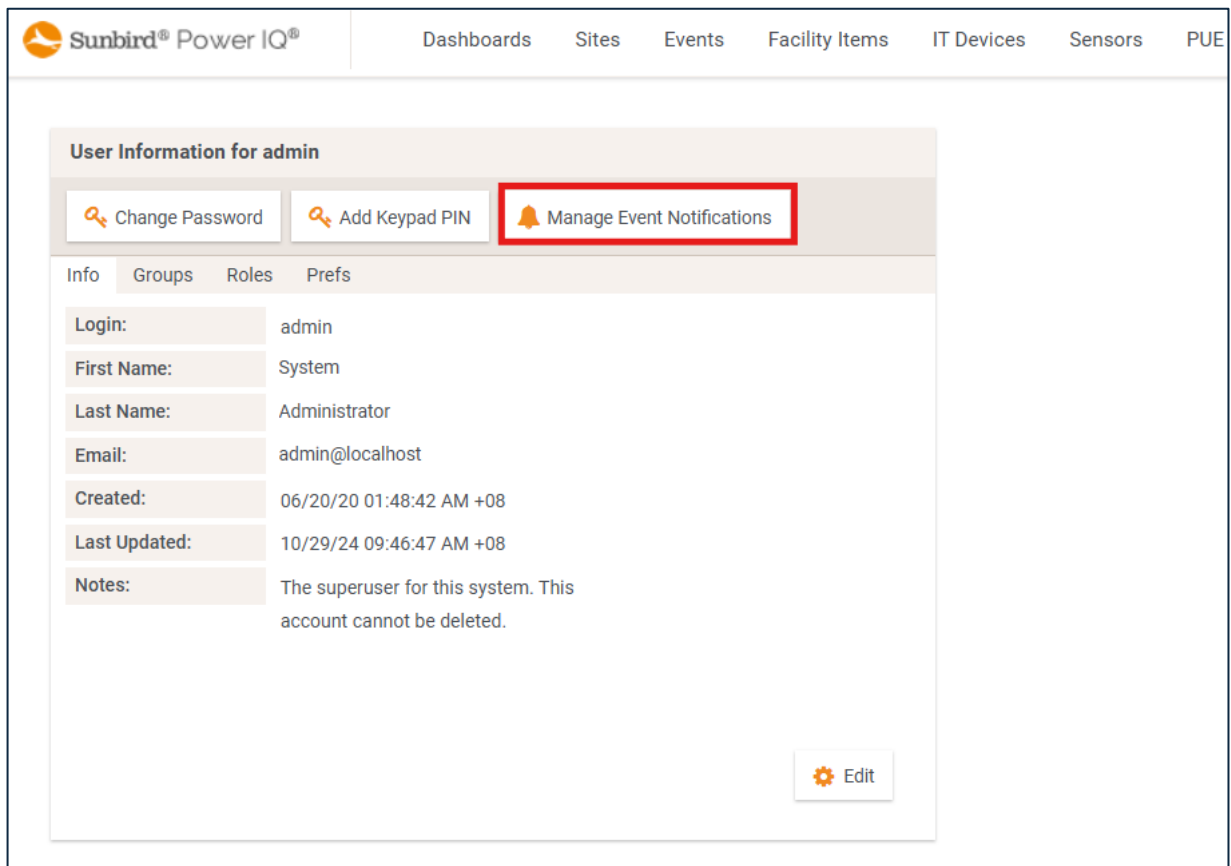


Figure 7 : Add event for event notifications

Click on **“Manage Event Notifications”**



The screenshot shows the Sunbird Power IQ interface. At the top, there is a navigation bar with the Sunbird logo and the text 'Power IQ'. Below this, there are several menu items: Dashboards, Sites, Events, Facility Items, IT Devices, Sensors, and PUE. The main content area is titled 'User Information for admin'. It contains three buttons: 'Change Password', 'Add Keypad PIN', and 'Manage Event Notifications'. The 'Manage Event Notifications' button is highlighted with a red border. Below the buttons, there are tabs for 'Info', 'Groups', 'Roles', and 'Prefs'. The 'Info' tab is selected, showing user details: Login: admin, First Name: System, Last Name: Administrator, Email: admin@localhost, Created: 06/20/20 01:48:42 AM +08, Last Updated: 10/29/24 09:46:47 AM +08, and Notes: The superuser for this system. This account cannot be deleted. There is an 'Edit' button at the bottom right of the user information section.

Figure 8 : Add event for event notifications.

On the **Manage Event Notifications** page, tick all that apply for Severity and Source (depending on what event end users wants to get notifications)

Select **“Send notifications for all PDUs”**

Click save once settings have been selected

Manage event notifications

Enable this filter

Severity

- Critical
- Warning
- Informational

Source

- PDU
- Inlet
- Transfer switch
- UPS
- Circuit breaker
- Circuit
- Outlet
- Environmental sensors
- Asset strip
- Rack
- Door
- PDU connectivity
- PDU Configuration
- Internal Power IQ services
- Dynamic Plugin

Send notifications for all PDUs

Send notifications only for the following PDUs

Custom Field 1:

Custom Field 2:

+ Add - Remove

IP address patterns

▶ See Matching PDUs

Save - Remove

+ Add a filter

Figure 9 : Enable filters for event notifications

When a triggering event occurs, PowerIQ will notify the event to via SMTP settings to Sendquick to then send out the SMS Alerts.

Note : These guidelines are applicable for Sunbird power IQ and Sunbird DCIM