

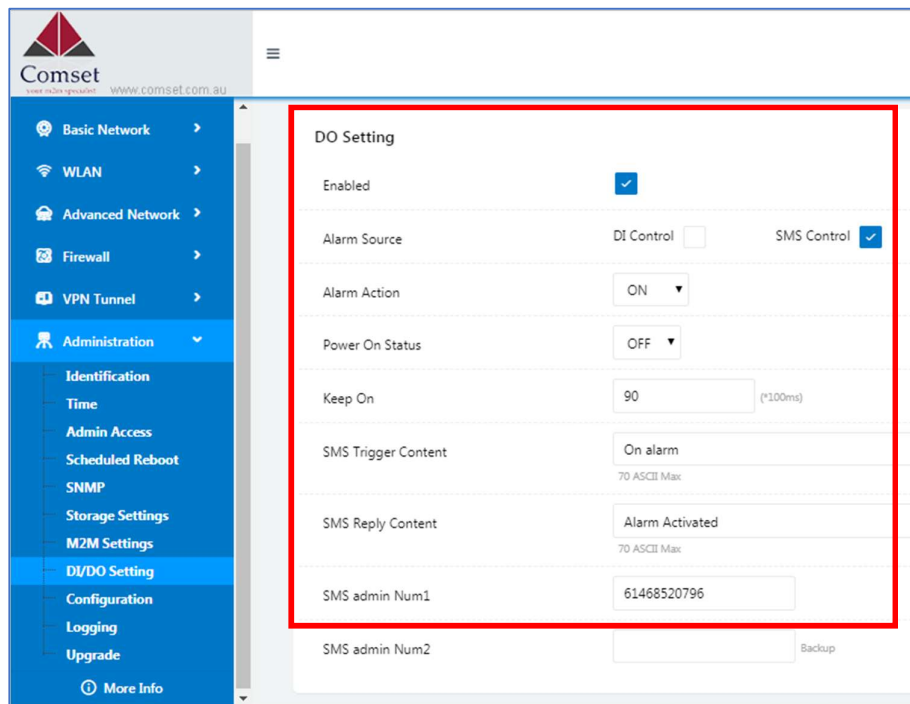
Comset CM510Q-W Digital Input / Output Configuration

The CM510Q-W comes with two Digital Input ports and one Digital Output port. The Digital Input ports, when triggered, can send an alarm notification via SMS for a specific event. The Digital Output port can be used to control electrical devices such as opening a gate or activating an alarm.

This guide is to show how to configure DI/DO settings on the router to send alarm notifications using SMS Control and DI Control.

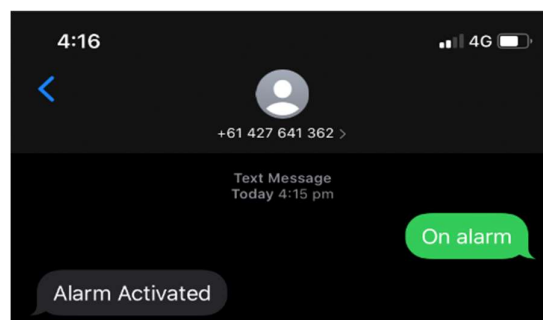
A. SMS Control

1. Go to Administration -> DI/DO Settings -> Enable DO Settings and configure as per screenshot below:



2. Click Save.
3. To test SMS Control, send a text i.e. 'On alarm' to the router.
4. You will receive a text 'Alarm Activated' via SMS confirming the trigger event as shown below.

The voltage between DO and GND goes from 0 VDC to 5 VDC for the set period of 90ms as shown in the configuration. This allows to control a relay board, which in turn can control electrical devices such as an alarm or a siren.



B. DI Control

1. Go to Administration -> DI/DO Settings -> Configure DI & DO Settings as per screenshot below:

DI Setting

Enabled Port1 Port2

Port1Mode

Filter (*100ms)

SMS Alarm

SMS Silence Time mins, range: 0~1440, 0-disabled

SMS Content
70 ASCII Max

SMS receiver num1

SMS receiver num2 Backup

DO Setting

Enabled

Alarm Source DI Control SMS Control

Alarm Action

Power On Status

Keep On (*100ms)

2. Enable SMS Alarm to receive notification when DI is triggered.
3. Click Save.
4. To test DI Control, short DI-1 and Ground. You will receive a text confirming the activation of alarm as shown below.

The voltage between DO and GND goes from 0 VDC to 5 VDC when DI is connected to ground as shown below:

