

## 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.

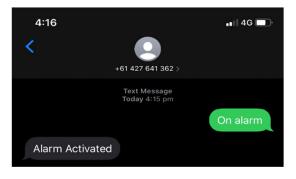
This guide is to show how to configure DI/DO settings on the router to send alarm notifications using SMS Control and DI Control.

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

Comset			
Basic Network	DO Setting		
🕏 WLAN 🔹 🔸	Enabled	~	
Advanced Network >	Alarm Source	DI Control	SMS Control 🔽
VPN Tunnel	Alarm Action	ON 🔻	
R Administration	Power On Status	OFF •	
Identification Time	Keep On	90	(*100ms)
Admin Access Scheduled Reboot	SMS Trigger Content	On alarm 70 ASCII Max	
SNMP Storage Settings M2M Settings	SMS Reply Content	Alarm Activated	
<ul> <li>DI/DO Setting</li> <li>Configuration</li> </ul>	SMS admin Num1	61468520796	
Logging Upgrade	SMS admin Num2		Backup
<ol> <li>More Info</li> </ol>			

- 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

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

DI Setting			
Enabled	Port1 🗸 Port2		
Port1Mode	ON •		
Filter	1 (*100ms)	DO Setting	
SMS Alarm	✓	Enabled	<b>_</b>
SMS Silence Time	2 mins, range: 0~1440, 0-disabled	Alarm Source	DI Control SMS Control
SMS Content	alarm triggered	Alarm Action	ON T
	70 ASCII Max	Power On Status	OFF •
SMS receiver num1	61468520796	Keep On	50 (*100ms)
SMS receiver num2	Backup		

- 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:

