

Configuring DIO SMS/Email Notification on a CM685V

The CM685V comes with four DIO ports that can be used as digital output ports to control electrical devices via SMS, such as turning on a pump or opening a gate. The four DIO ports can also be used as digital input ports that can send an email or an SMS when triggered for alarm notification.

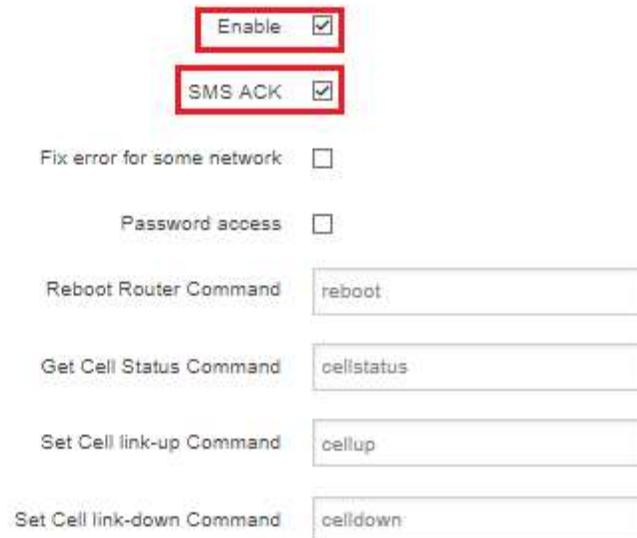
This guide is to show you how to configure DIO on the router to send alarm notifications via SMS or Email.

SMS Notification

1. Navigate to Services -> SMS -> SMS Command ->enable the SMS function and SMS ACK. Click on 'Save and apply'. See screenshot below.



SMS Command



A screenshot of the 'SMS Command' configuration page. The 'Enable' checkbox is checked and highlighted with a red box. The 'SMS ACK' checkbox is also checked and highlighted with a red box. Below these are three unchecked checkboxes: 'Fix error for some network', 'Password access', and 'Reboot Router Command'. There are five text input fields for commands: 'Reboot Router Command' (reboot), 'Get Cell Status Command' (cellstatus), 'Set Cell link-up Command' (cellup), and 'Set Cell link-down Command' (celldown).

- Go to the 'Phone Number' tab to set the user's mobile number that will be allowed to control the router via SMS. Click on 'Save and apply'. See screenshot below.



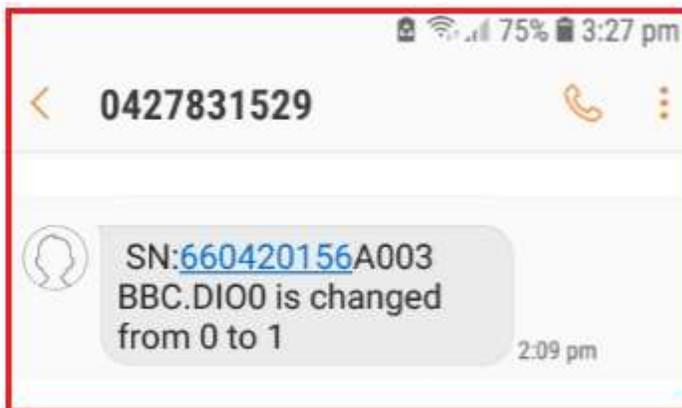
- By default DIO_0 is set to low value '0'. Go to Services->SMS->SMS command and set DIO_0 to high value '1', by clicking on Set DIO0.



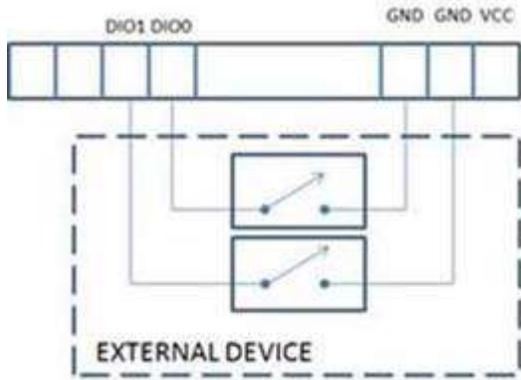
Note: After clicking on the Set DIO0 button, the word 'success' is displayed. See below:



- You will receive a notification SMS for DIO update on the registered phone number. See below:



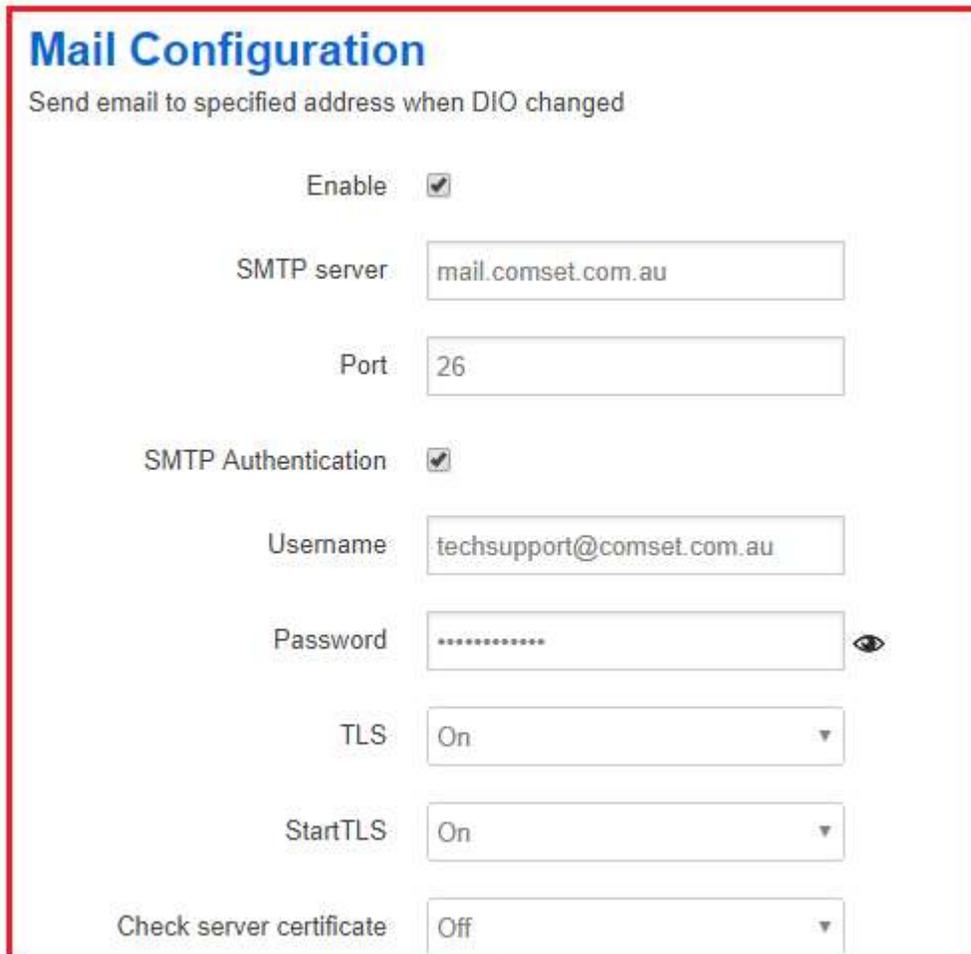
- Click 'Save and Apply'.
- To test SMS notification, short DIO0 and Ground. You will receive a text confirming DIO0 status has changed from '1' to '0'.



Email Notification

1. Go to Services -> SMS -> Mail.

Set appropriate parameters based on your email account settings. Please see screenshot below:



Mail Configuration
Send email to specified address when DIO changed

Enable

SMTP server

Port

SMTP Authentication

Username

Password 

TLS ▼

StartTLS ▼

Check server certificate ▼

2. Set DIO_0 name, high text and low text to identify status via Email. See screenshot below.



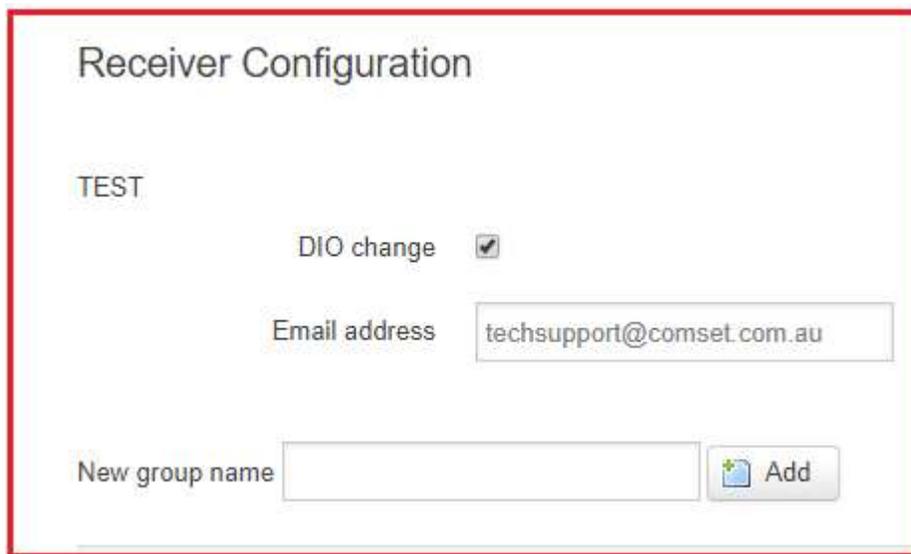
DIO_0 name Gate01

DIO_0 high text Closed

DIO_0 low text Open

3. Add Group Name Receiver configuration and check the box 'DIO change' to ENABLE Email notification.

See below screenshot.



Receiver Configuration

TEST

DIO change

Email address techsupport@comset.com.au

New group name

4. You should now be able to receive an email notification from the router to your email client host when there is a change of the DIO status value. See below screenshot:



Gate01 changed Inbox x

 techsupport@comset.com.au
to 

Hostname:CM685V_W, Gate01 is changed from Open to Closed