Remote Monitoring Systems

Email Programming and Control

Each device can be programmed and controlled by email. This is useful for adding multiple users at once or for activating the output relays by an automated email message. For example, you may get an automated email from a 3rd party and would like this to operate a light or motor for example.

For an email address to control or program the device, it must be known to the system. The operator should go to the 'Users' page from the 'Live Screen' and add a new user with the desired email address. The user must be set to an 'eReader' email address as shown below:
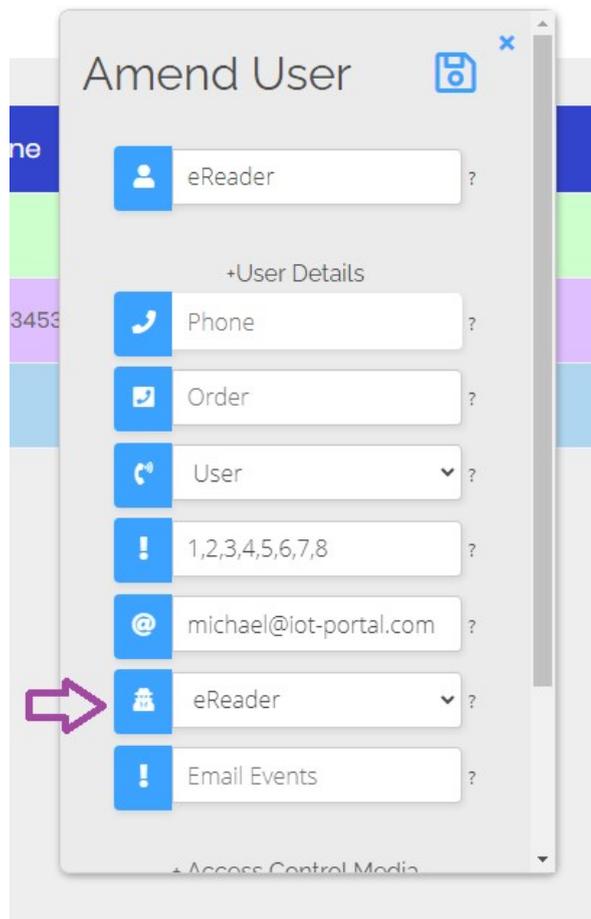
eReader email addresses show up on the Users page in purple. Emails sent from this email address will be able to change settings and control the output relays for this device. Emails are not as secure as phone numbers and can be easily spoofed, so ensure the eReader setting is only used during desired periods of programming and control.
For extra security an email API key can also be generated which can be included in the email body. This will ensure spoof emails are disregarded.

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To send commands to the device via email, messages should be sent to:

things@iot-portal.com

This is the standard email address for devices. The subject line of the email must contain only the 10-digit code for your device and nothing else.

Email Commands

Multiple commands may be sent per email, each separated by a new line. Each command will be processed and a reply will be sent for each command in 1 email.

Most SMS commands are accepted by email along with the user command:

User *name,phone,type,email,events*

For example:

User Michael,07123456789,master,michael@iot-portal.com,12345678

The type field can be: *master*, *text*, *call* or *user* (for dial-to-open). If a field isn't required leave it blank but insert a comma:

User Michael,,,michael@iot-portal.com,12345678

The events are input numbers for inputs 1 to 8.

The '**delete users**' command can be used with the API key to remove all 'users' leaving any admin, call, text phone or Full Access email address.

Controlling the output relays

You should specify the output you would like to operate with the # or * symbol as follows:
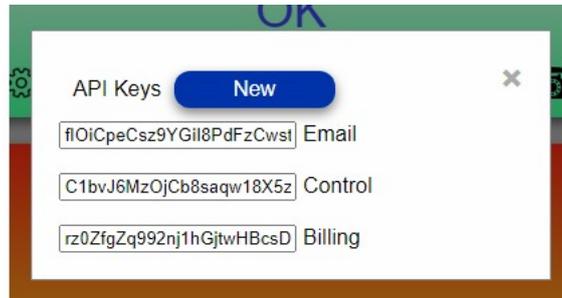
On#
Off#
Pulse*
Open*
Close*

Securing with an API Key

An API key can be generated on the Live Screen by clicking 'Show Tools'>'Create/View API Keys'.

If the email API key box is empty, click 'New'

To make use of the email API you should select 'eReaderAPI' as the user type. The API Key must be on the first line of the body of the email in order for eReaderAPI emails to be read.