



# DNAKE

## S213K-4G-KIT MANUAL & INSTALLATION GUIDE



## DNAKE S213K-4G Manual – V.1.2

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### Introduction

The following information is intended as a guidance for the installation of the **Dnake** S213K Ip Door Entry panel to work alongside the **Teltonika** RUT200 4G Modem. It is recommended that the installation is conducted by a competent electrician / security engineer. Any damage caused to hardware where the following guidance has not been followed will not be deemed the responsibility of EasyGates Ltd.

For product training or additional guidance for installation, please contact our technical support team on 01384 569942 opt 2. Or email [Technical@Easygates.co.uk](mailto:Technical@Easygates.co.uk).

Further guidance can also be found via [manuals.easygates.co.uk](http://manuals.easygates.co.uk)

Product Information –

The kit supplied is intended to operate as a hybrid technology. Collectively operating both IP door entry via a 4G Modem to produce a 4G Video Intercom operable via smart mobile / tablets.

This kit is configurable for single residential properties with multiple relay outputs designed to operate both automatic gate and doors.

A Nano SIM card is required for the use of this product which will require data access to make both video calls, and enable remote access via the VPN Cloud portal.

Either standard 'Pay as You Go' or contract sim cards can be used for this system, however it is recommended to ensure that some form of automated 'top up' service is enabled to prevent loss of function of the system should the 'pay as you go' service run out of credit.

Each RUT200 router supplied in this kit is provided with 1 x credit that will allow for remote access via the Teltonika VPN portal. Additional credits can be purchased direct via EasyGates Direct. Please ensure that the modem information identified as this will be required for the remote access service. For more information, [click here](#).

**Kit Contents**

**S213K Contents**



S213K



Wiring Cover



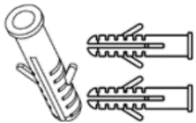
Sealing Plug for wiring port



Junction cover



PM2.5x6 (4 pcs)



Screw Plugs (2 pcs)



PA4 x 30 (2 pcs)



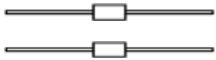
PM4 x 20 (2 pcs)



FM3 x 4.5 (2 pcs)



Screwdriver



Diodes (2 pcs)

**4G Enclosure Contents**



RUT200 4G Modem



Compact Angled Antenna (2 pcs)



Power Cable



HDR-30-12



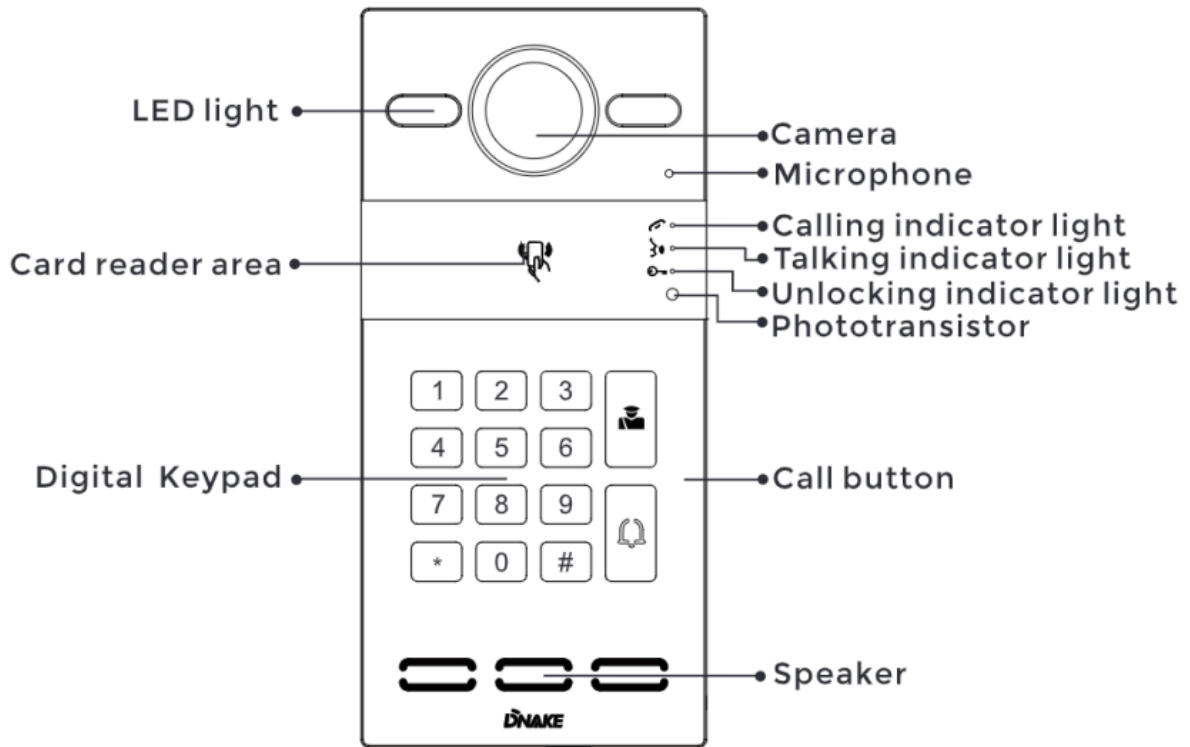
35mm top-hat DIN Rail (2 pcs)



Adaptable Enclosure  
260 x 210 x 95mm

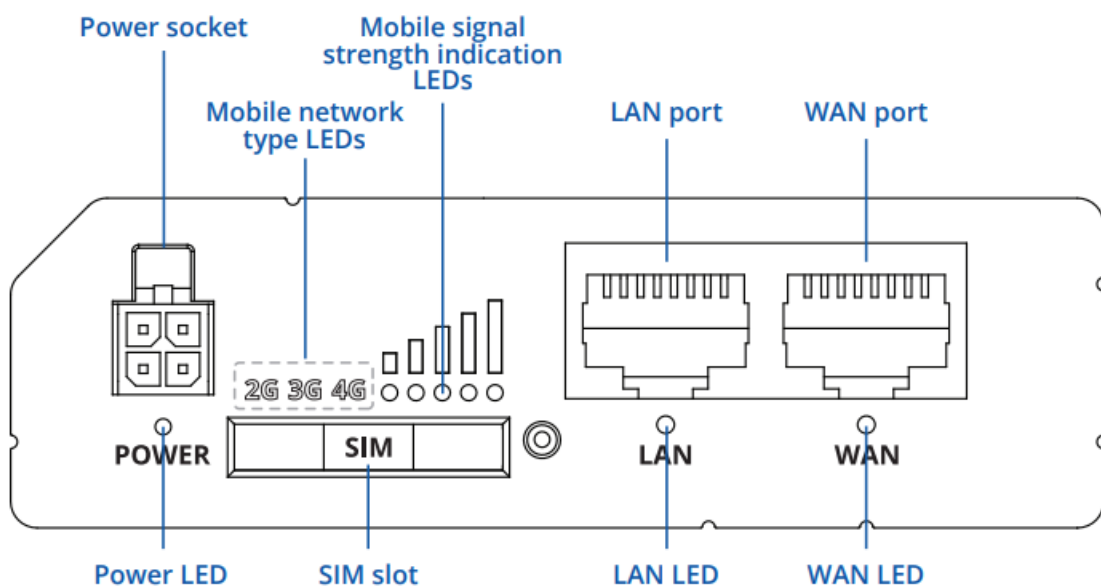
S213K

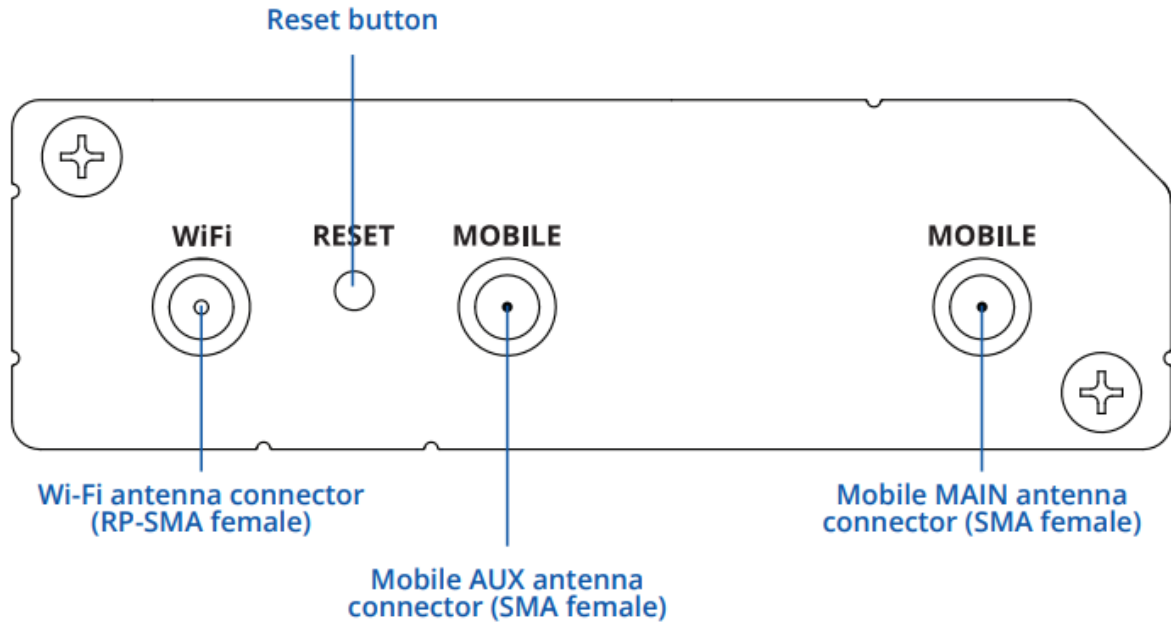
[\(FULL MANUAL – CLICK HERE\)](#)



RUT200

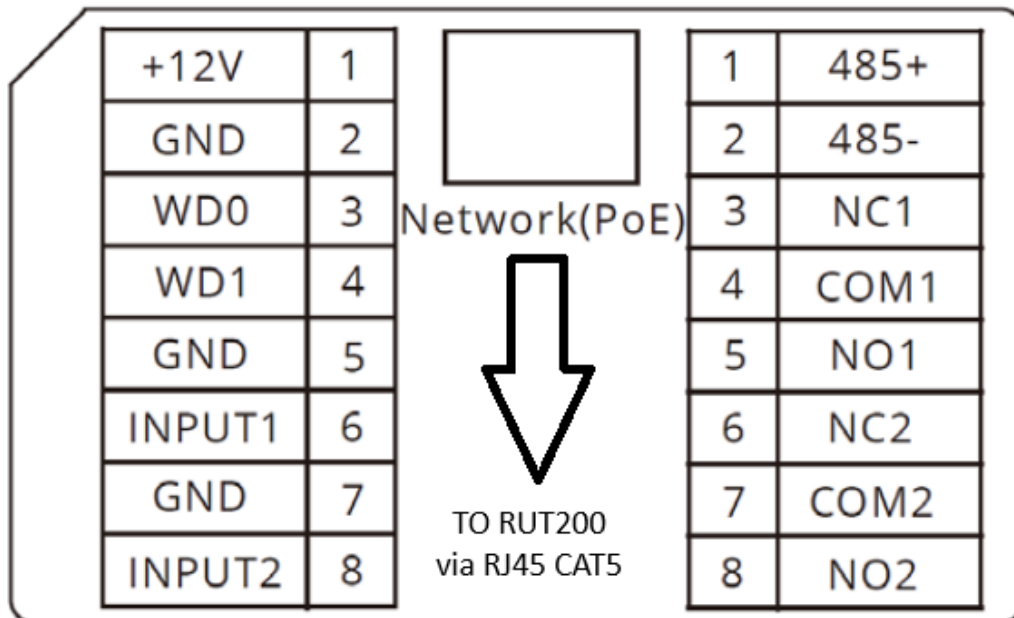
[\(FULL MANUAL – CLICK HERE\)](#)





### Wiring Diagrams

The S213K can be powered by either a direct 12VDC PSU, or via POE. This kit is not supplied with a POE solution, however an inline POE injector can be introduced to eliminate the 12VDC requirement.



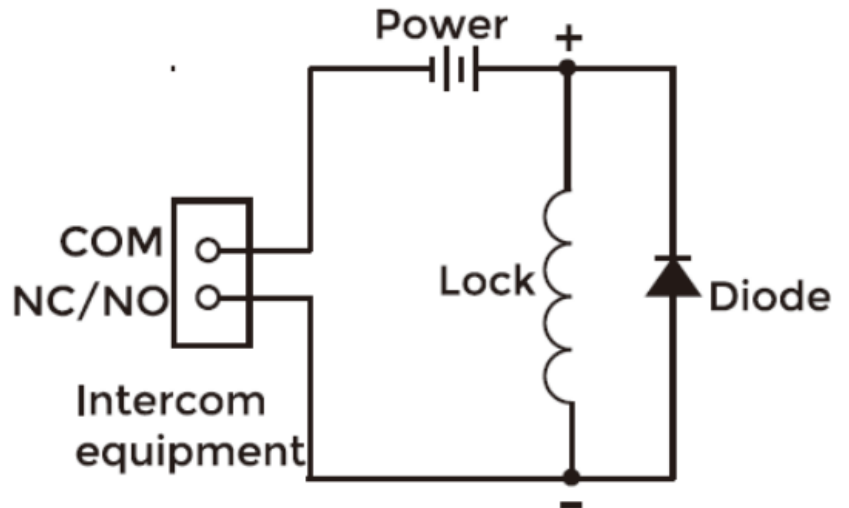
**CONNECT NETWORK INPUT ON S213K TO LAN CONNECTION ON RUT200 VIA CAT5E CABLE WITH RJ45 PLUGS**



**Lock Connection – Use of diode**

1. When connecting to an inductive load device such as a relay or electromagnetic lock, you are recommended to use a diode 1A/400V (included in the accessories) in antiparallel with the load device to absorb inductive load voltage peaks. The intercom will be better protected in this way.

2. The load current of the relay cannot be greater than 2A. See attached picture for more details.

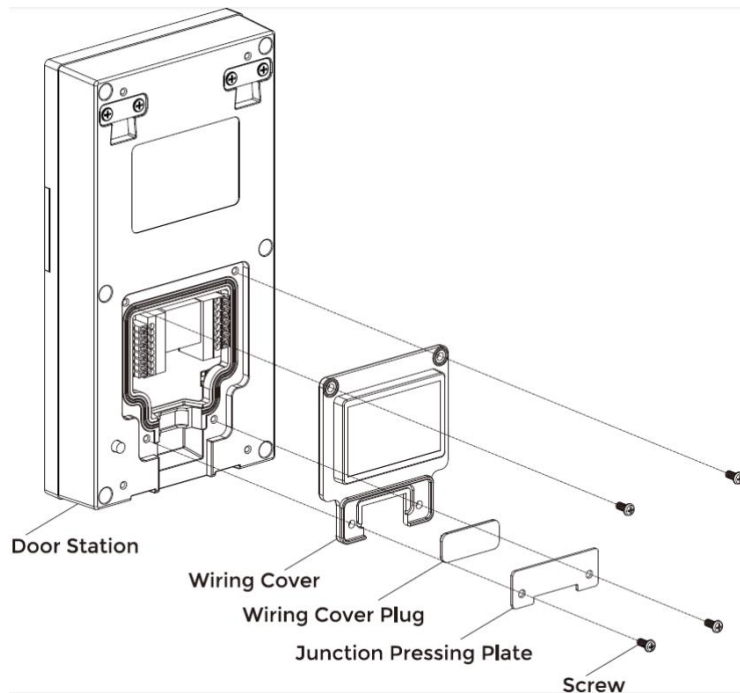


**Cable Size / Power Guide**

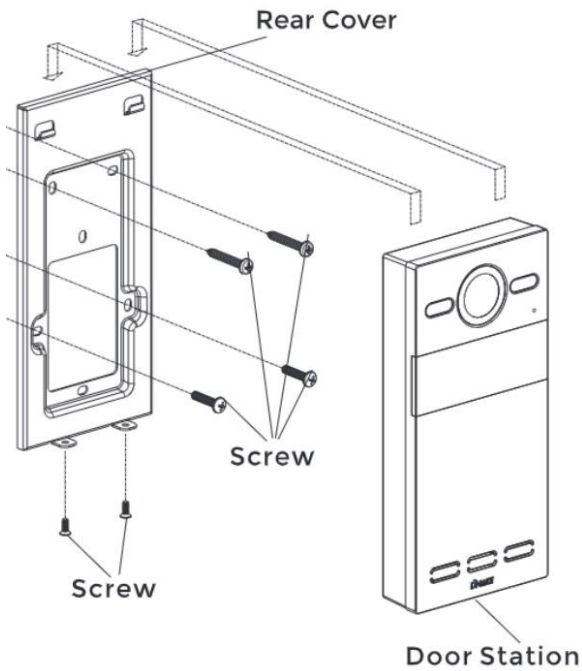
Model	Description	CSA
HDR-30-12	12VDC PSU	230V – 1.5mm CSA (up to 10m)
S213K	IP Door Entry	POE / 0.5mm 12VDC
RUT200	4G Router	9-30VDC (12VDC Supplied) -

**Installation**

Once the wired connections have been made, assemble the door station to the rear of the intercom. Please see the below illustration for guidance on this assembly.



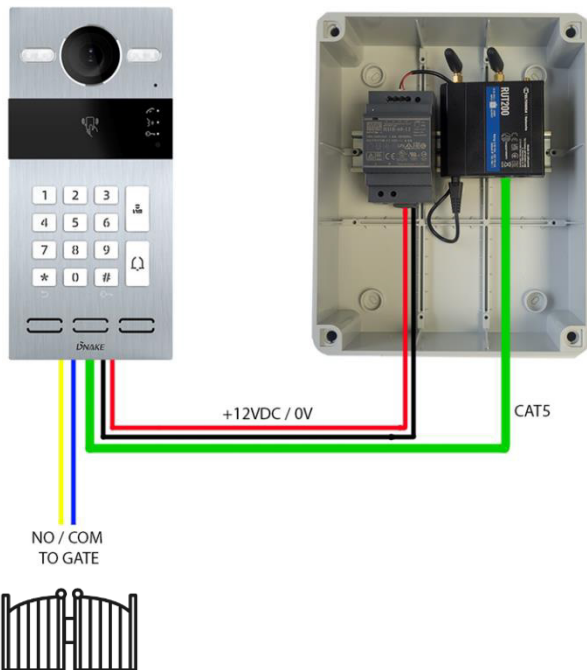
connections have been made, you will need to assemble the door station to the rear of the intercom. Please see the below illustration for guidance on this assembly.



You will then need to fix the mounting plate for the intercom to the wall / post, then use the two fixing screws supplied to mount the intercom to the plate. See illustration to the left.

**Wiring to Automatic Gate:**

In the kit you will be supplied with a 12VDC 4.5A PSU. The door station will need to be connected to this to power the unit up. If however, you would like to utilise a POE injector, this can be used in place of the 12V supply.

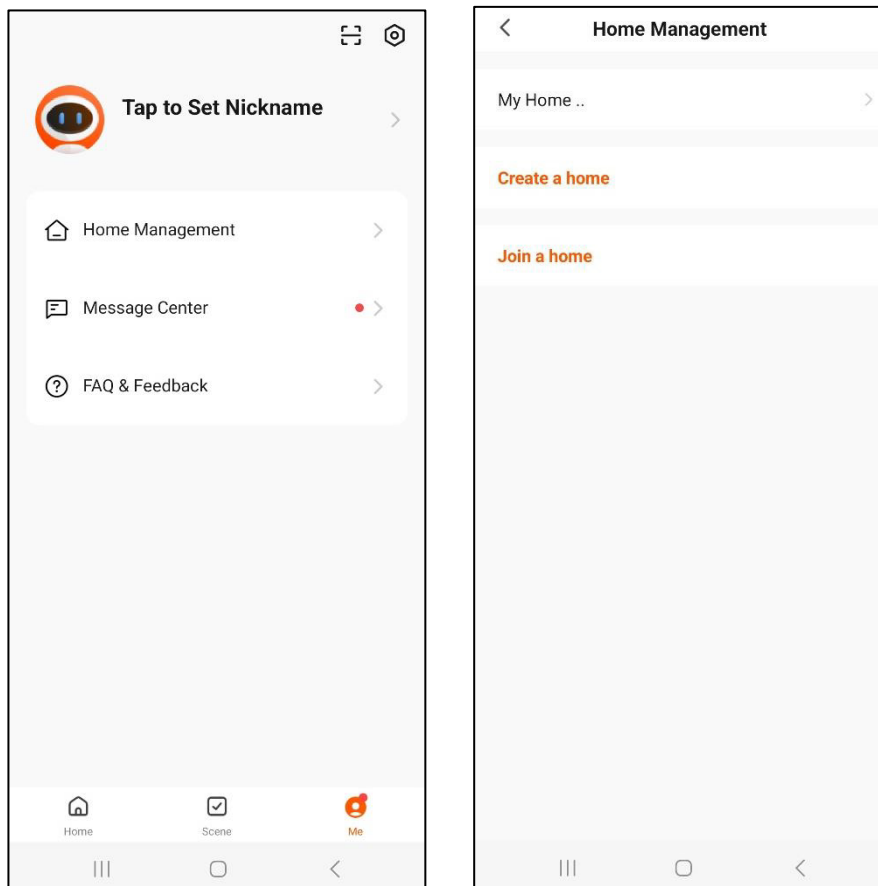


Now you have the entry panel and 4G module connected, you will now need to pair the app to the S213K panel. First, you will need to download the 'Dnake Smart Life' app from the Google Play store, or the App Store.



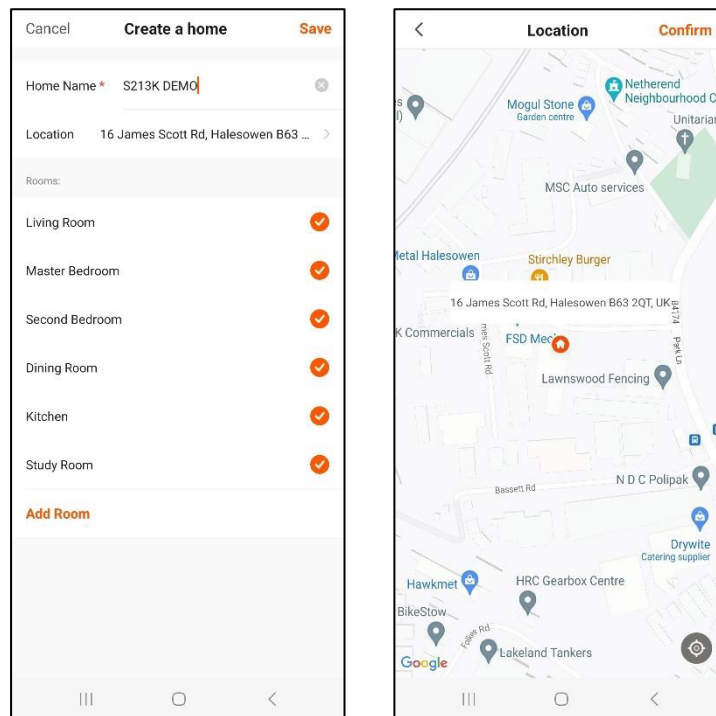
Once Downloaded, follow the next steps to set up the device to the app.

1. Set up an account in the app and log in with the credentials used.
2. Once logged in, select the tab at the bottom labelled 'Me'.
3. Then click 'Home Management, and 'Create a Home'.

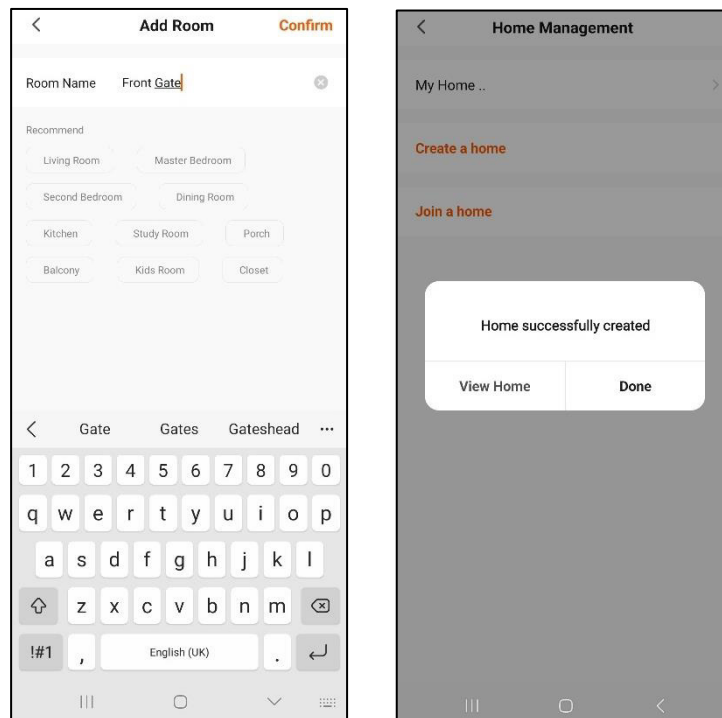




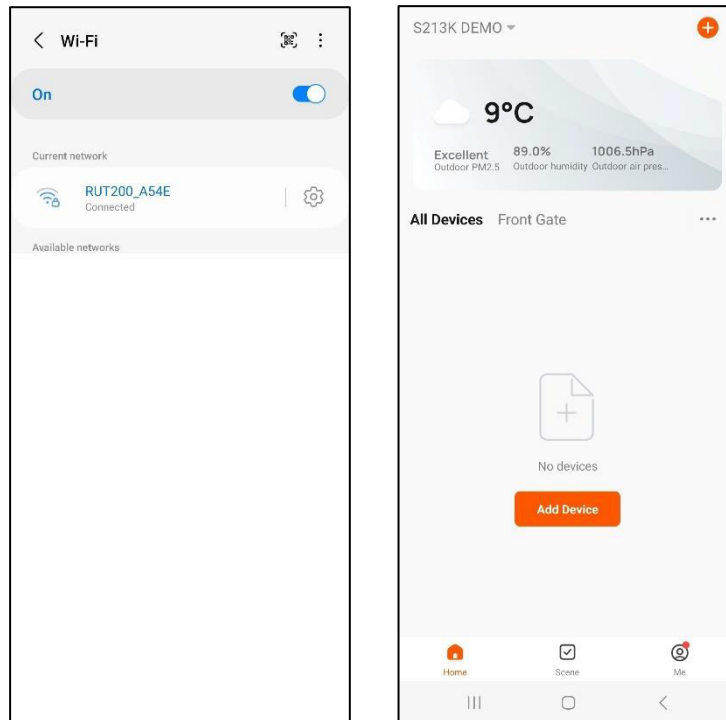
4. Set a name for the 'Home' being created, and set the location of the installation.



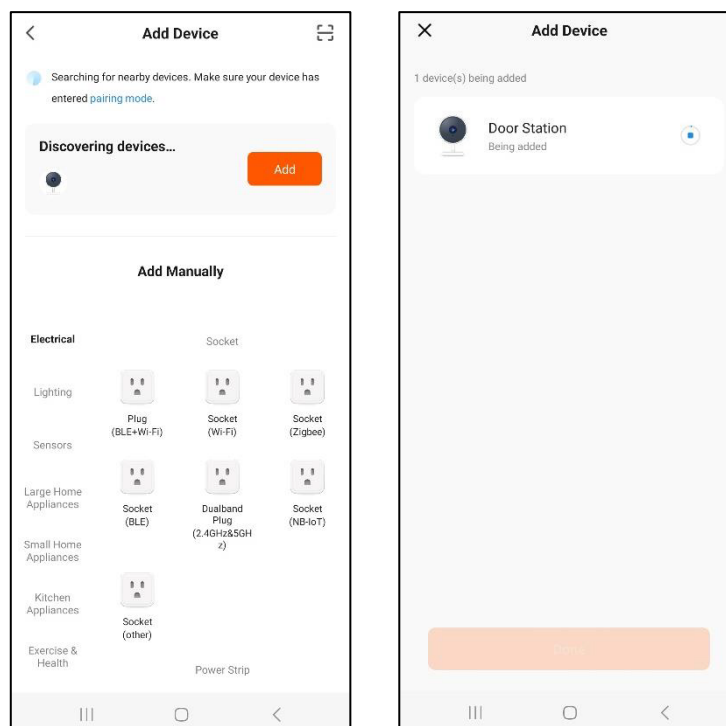
5. Untick all 'Rooms', the click 'Add Room' at the bottom of the screen. Enter the name of the Entry point (I.E 'Front Gate'), then click Confirm. You will then see 'Home Successfully Created'.



- Now you have set the app up ready to connect the device, go to your wifi settings, and connect to the RUT200 Router that the Intercom is connected to. The password for the router will be located on the inside of the box that the kit is supplied in (alternatively, this can also be found on the back of the router itself). Once connected, go back into the app and click 'Home' at the bottom, then click 'Add Device'.

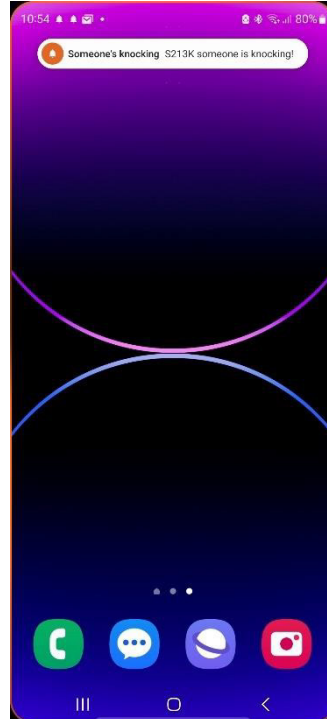
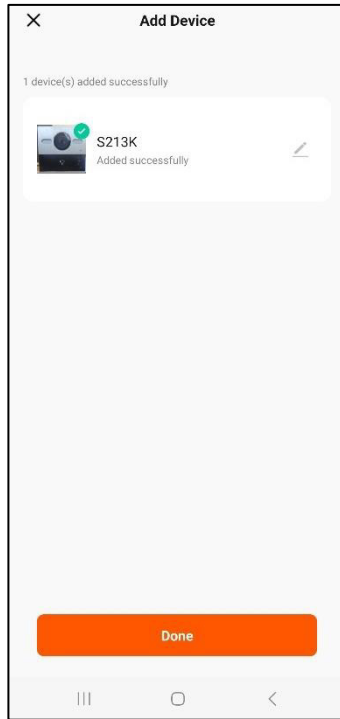


- After clicking 'Add Device', the app will search for connected devices within the network, and should discover the S213K Door Station. Click add once more & wait for the device to be added.



- Now the setup is complete, you can change back to the original wifi / mobile data and test the call button on the door station. This will ring through to the app via a notification. Notification tones can be modified in the menus of the app itself via the below setting.

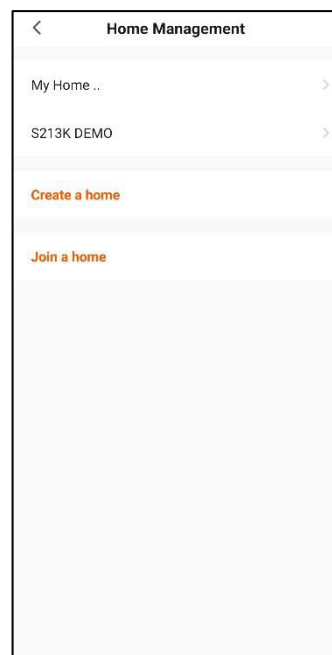
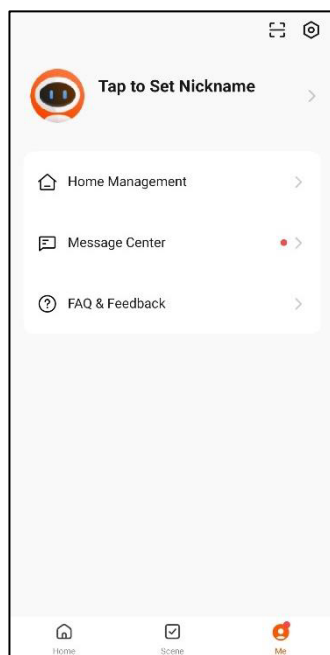
**Me > Settings > Privacy Permission Settings > App Notifications > Notification Categories > Long Bell Notification.**



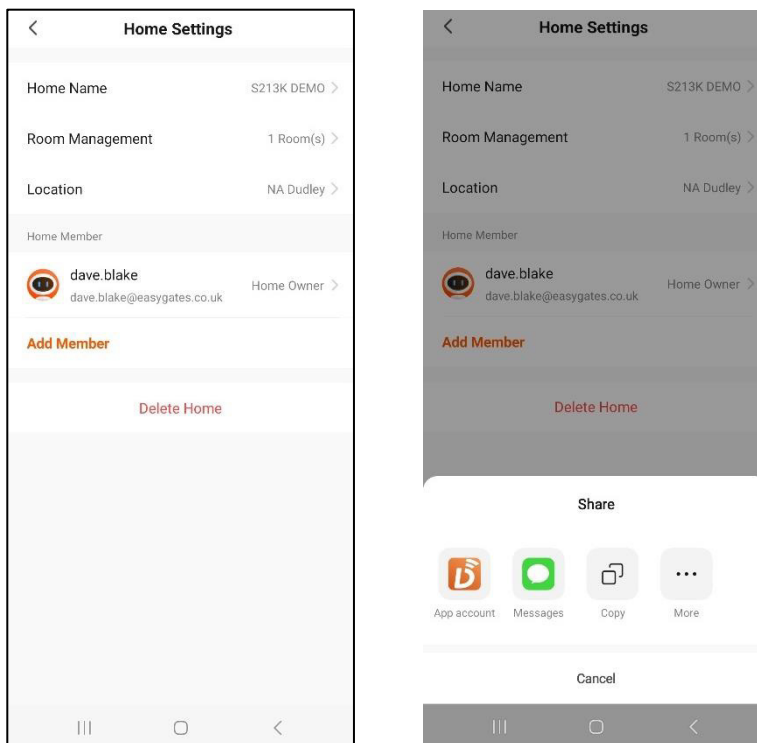
### Programming – Adding Additional Users

When it comes to adding family members / additional users for the door station, this will need to also be done through the app via the main account holder.

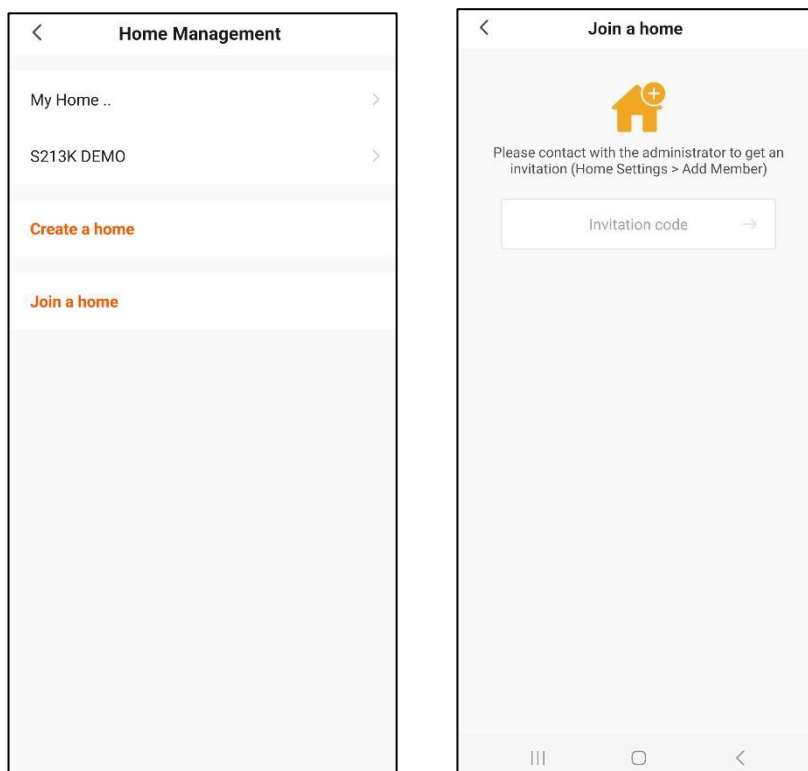
- Go to 'Me' in the bottom right of the app, and select 'Home Management, then select the home previously created.



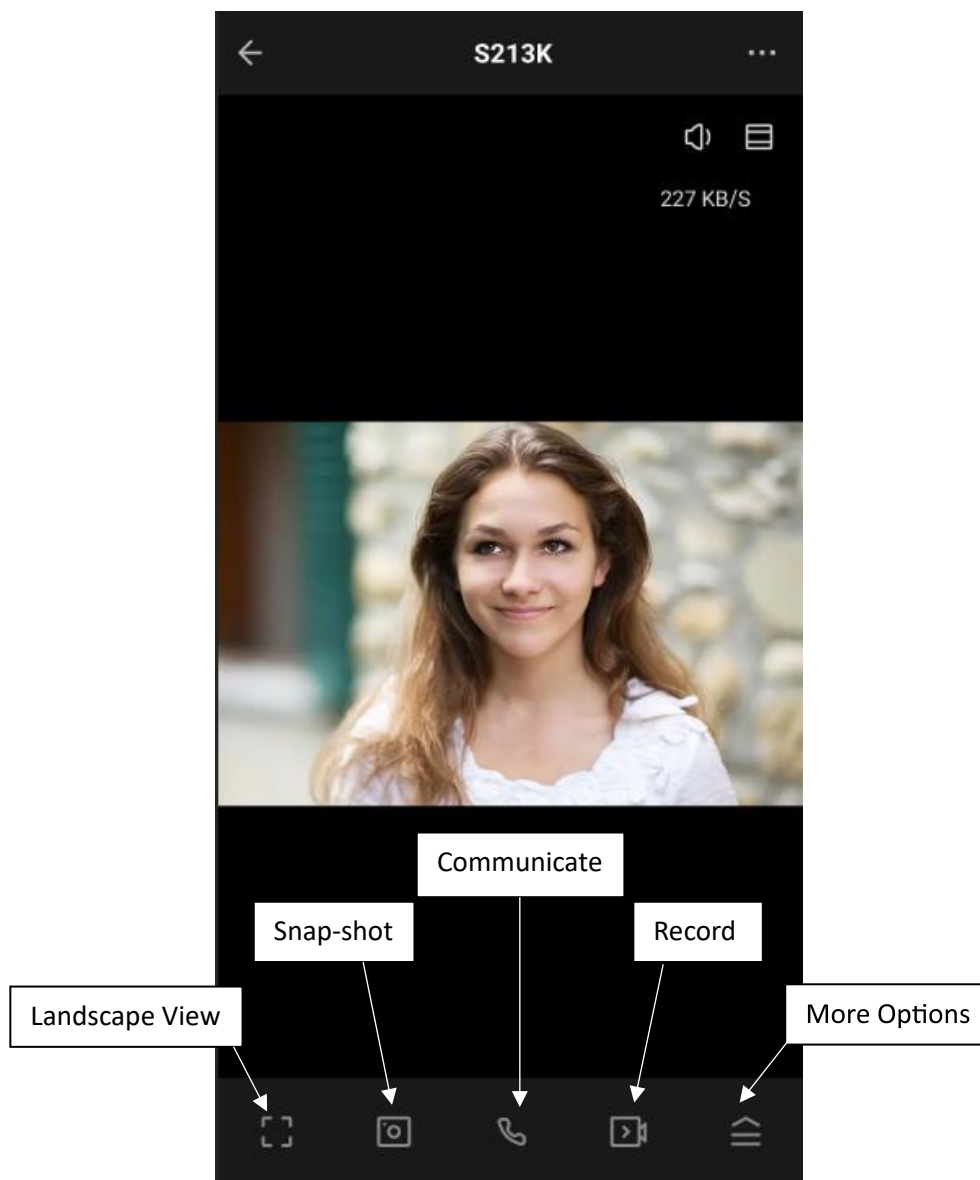
2. Click the 'Add Member' Button in the center, below the existing account and share the invite via the options that come up. (If choosing the 'App Account' option, you will need to enter their User Code you are adding, found via 'Settings > Account and Security' in the users app). Otherwise, the user will be sent a code to join the home you have created via whatever means you send it to them in.



3. Once the additional user has been invited to use the app, they can join the Home by going into 'Home Management' and click 'Join Home'. Then simply enter the Invitation code received.



The Below guide will reference some of the key features of the app, and how to use them.



**Landscape View** – Will Expand the camera view to the full screen of the mobile / tablet.

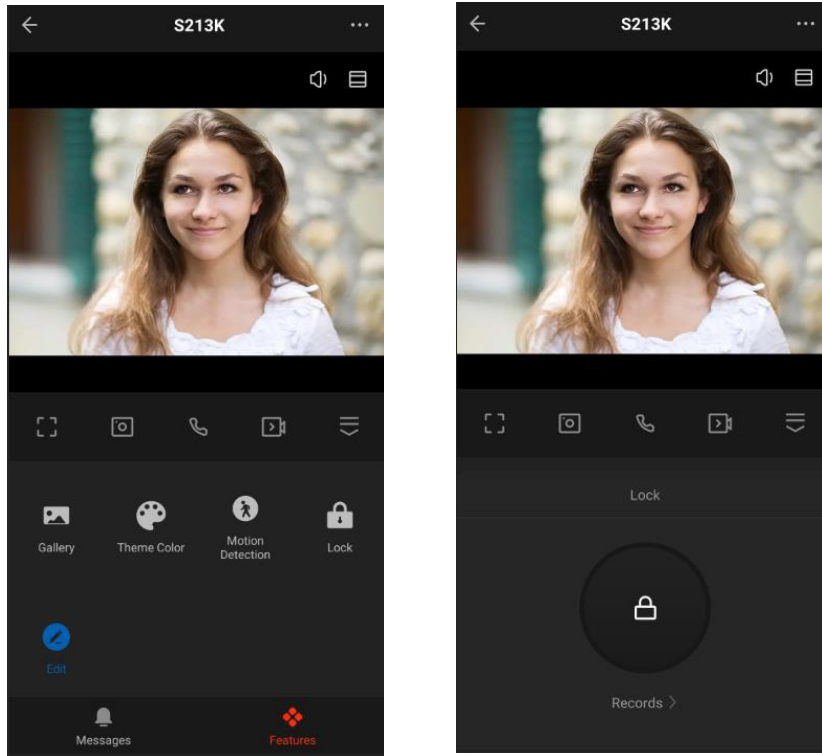
**Snap-Shot** – Will take a picture to the camera roll of the image on the screen

**Communicate** – Opens 2-Way audio communication between the door station and mobile / tablet

**Record** – Will record video / audio to camera roll of the feed from the door station

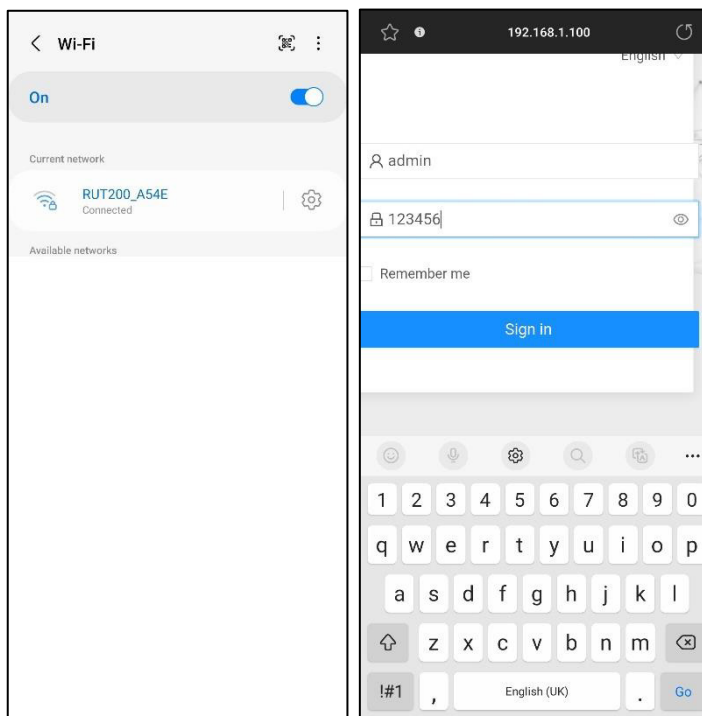
**More Options** – Opens up more features, such as Lock output, Theme colour, and Gallery

To release the gates / door that the entry panel is connected to, simply open the 'More Options' tray, and then click the 'Lock' symbol. You will then see another page with the Lock symbol present. Press again and click confirm. This will activate the output of the entry panel.

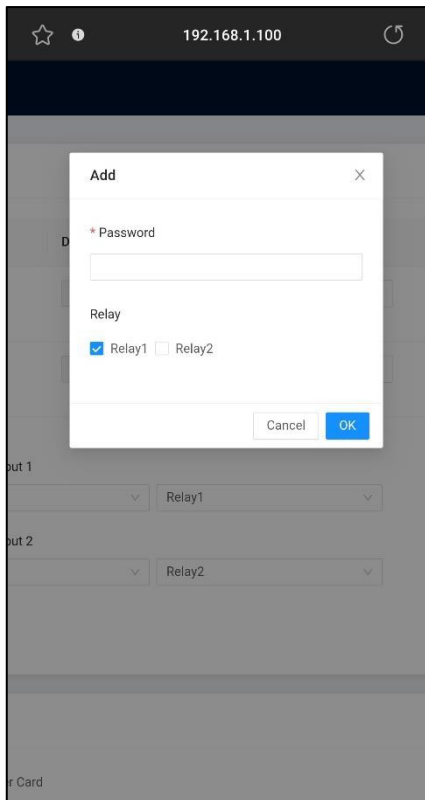
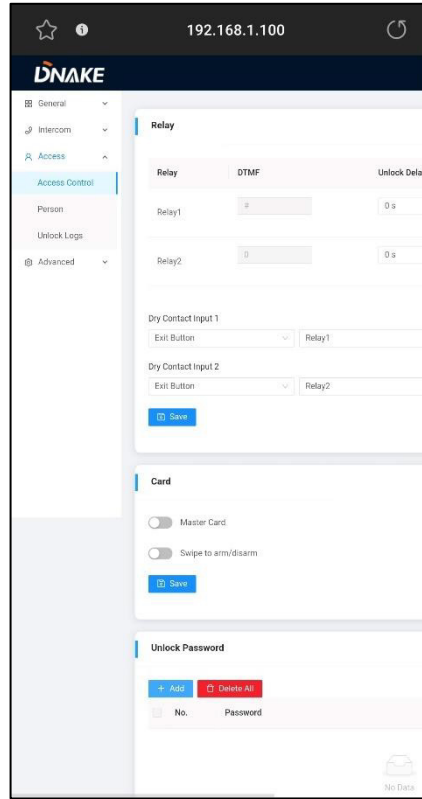
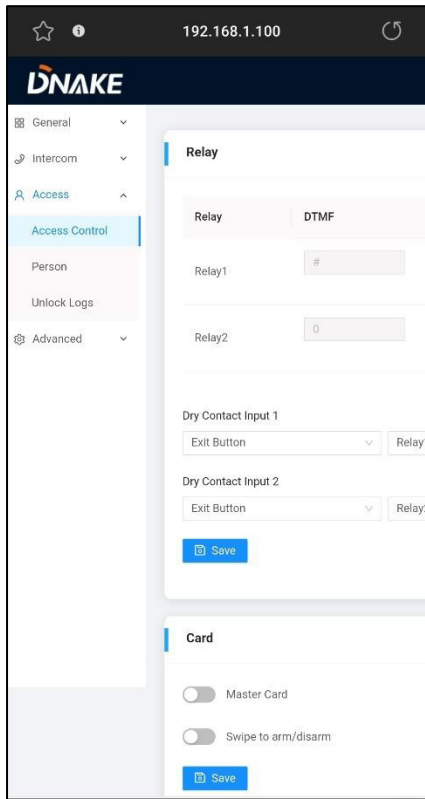


To add Keypad codes and Proximity tags, you will need to access this feature by logging in to the door stations IP address. This process is quick and simple when local to the 4G module.

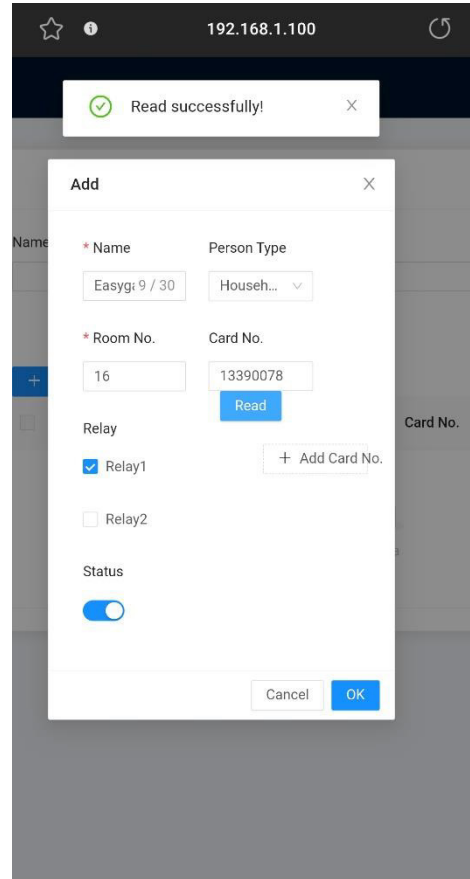
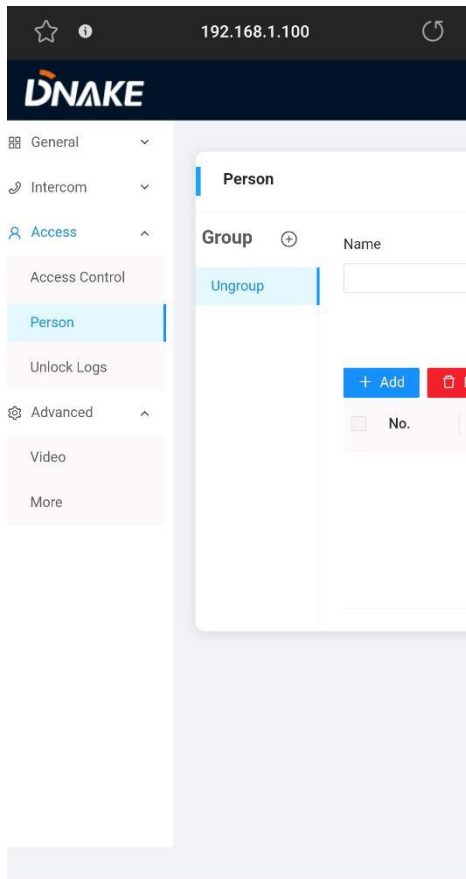
1. Log into the RUT200 Routers Wifi. The password for this is located on the enclosure or on the rear of the RUT200 itself. Then open your web browser and enter in the address bar 192.168.1.100 – This will take you to a login screen as per below. Log in with the user – admin and password 123456



2. Once logged in, select 'Access Control' from the menu on the left hand side of the screen, and then locate 'Unlock Password' on the opened screen. Click 'Add', then enter the keypad code desired, and select the associated relay intended for.



To add proximity tags, the process is similar to adding keypad codes, however, in this case you will need to add a 'person' via the tab on the left, and add the fob by putting the reader into a 'learn' mode by pressing 'read' below the card number field. When in this mode, present the fob to the reader on the door station. See below example.



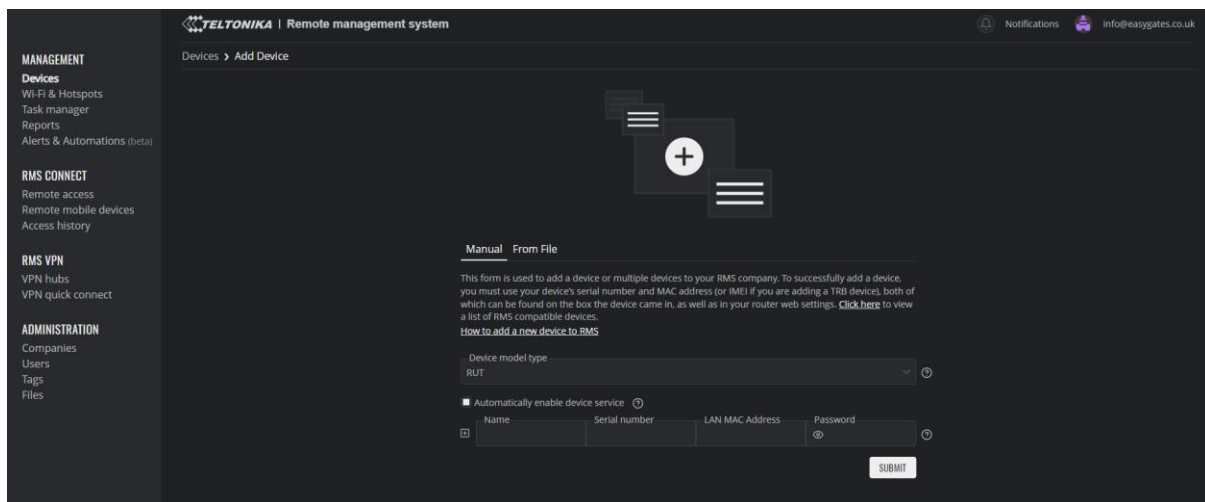


The use of the RUT200 Router offers you the potential to remotely connect into the Dnake S213K via their remote management system. By registering the RUT200 on <https://account.rms.teltonika-networks.com/>, you will be able to manage keypad codes, proximity fobs, access logs, and all diagnostic features.



To register your router, you will need to locate the serial number, LAN MAC Address, and Password details. These can be found on the back of the RUT200 router.

Once logged in, click 'Devices' on the left hand side, then fill out the details where prompted and give the device a name.



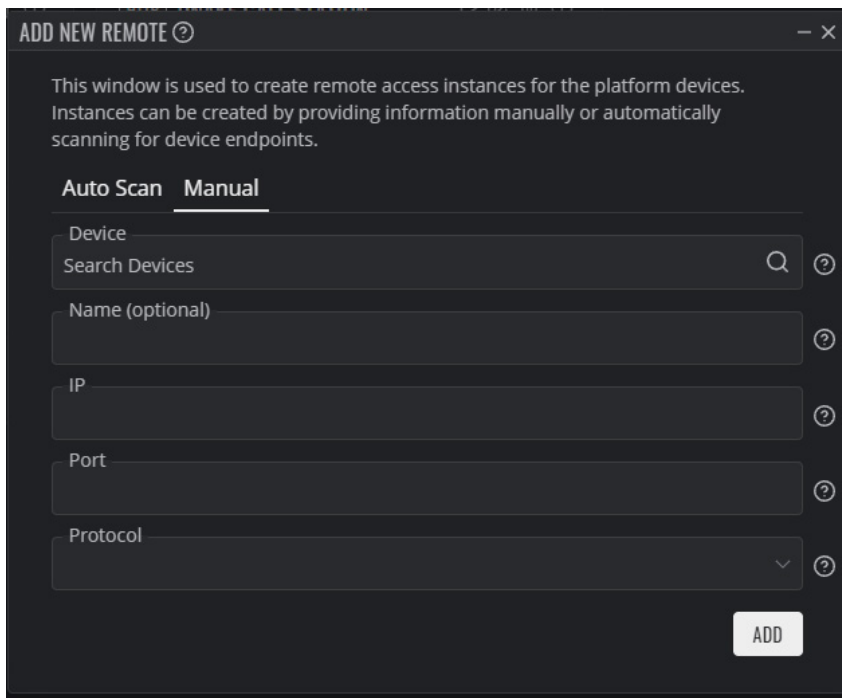
The server will then look for the online status of the router, and add this to your list of saved devices.

You can then proceed to set up the 'remote access' configuration to connect directly to the S213K Door station.

When setting up the remote access, you will be prompted with the below configuration box. You will need to select the device which you have just added. Then enter a name for the connection you intend on making (such as “S213K Remote Access”).

The default IP address of the S213K will be set to 192.168.1.100. However, if this has been changed, enter in the new address that has been set.

The default port to set will be 80, and the protocol to set will be HTTP.



The screenshot shows a dark-themed window titled "ADD NEW REMOTE" with a close button in the top right. Below the title is a help icon and a paragraph of text: "This window is used to create remote access instances for the platform devices. Instances can be created by providing information manually or automatically scanning for device endpoints." Below this text are two tabs: "Auto Scan" and "Manual", with "Manual" selected. The form contains several input fields: "Device" with a search icon and a help icon; "Name (optional)" with a help icon; "IP" with a help icon; "Port" with a help icon; and "Protocol" with a dropdown arrow and a help icon. An "ADD" button is located at the bottom right of the form.

Once added, you will then be able to connect directly to the device and a browser window will automatically pop up with the S213K Login screen.

