CAME

CAME.COM/UK

MTMA/CONNECT
WITH PROXIMITY HOUSING



Covering MTM / MTMVR / VRW / VRM
Surface/Flush Mount 4G Audio Intercom
with Proximity Reader Housing*

*Reader not included. Accepts most manufacturers panel mount proximity readers.

QUICK SETUP REFERENCE GUIDE

FOR FULL INSTRUCTIONS PLEASE REFER TO THE INSTALLATION MANUAL

KM4G082C

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CAME

1 What's in your kit?

2 General Precautions

3 Dimensions

4 Pre-commissioning

5 Installation: Recessed and Surface

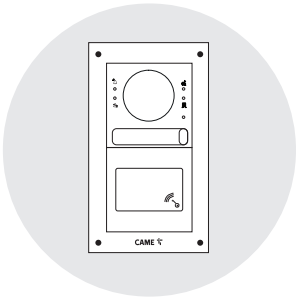
6 Configuration

7 Wiring Diagrams

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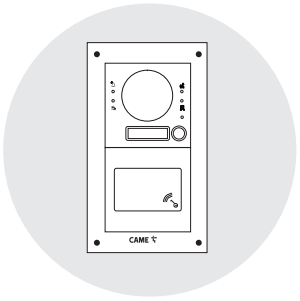
9 APN Settings

KIT CONTENTS



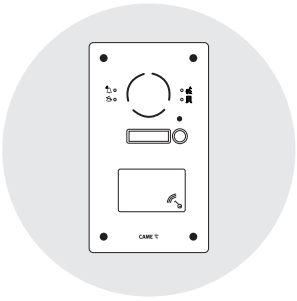
MTM CALL PANEL
Intercom

OR



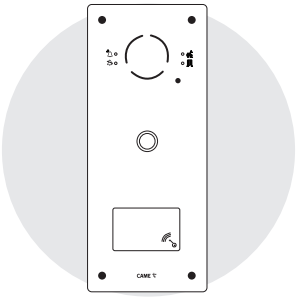
MTM VR CALL PANEL
Intercom

OR

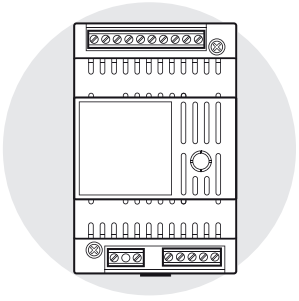


VRW CALL PANEL
Intercom

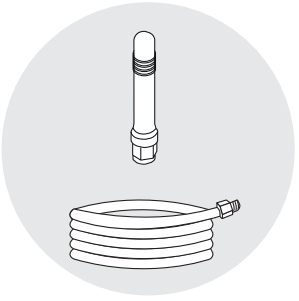
OR



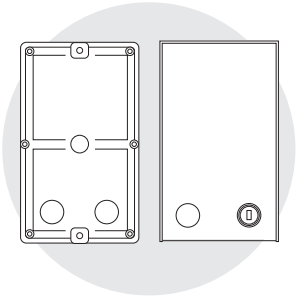
VRM CALL PANEL
Intercom



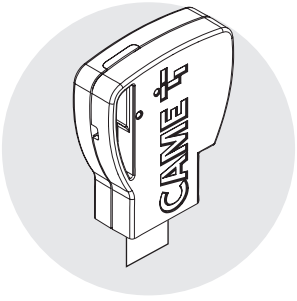
VAS/101
Power Supply



ANTENNA
With cable and mounting bracket



MOUNTING BOX OR RAIN HOOD
For flush mount or surface mount intercoms



CAME KEY
WiFi Interface

2 GENERAL PRECAUTIONS



- Read the instructions carefully before beginning the installation and carry out the actions as specified by the manufacturer.
- The installation, programming, commissioning and maintenance of the product must only be carried out by qualified technicians, properly trained in compliance with the regulations in force, including health and safety measures and the disposal of packaging.
- Before carrying out any cleaning or maintenance operation, disconnect the device from the power supply.
- The equipment must be destined solely for the use for which it was expressly designed.
- The manufacturer declines all liability for any damage as a result of improper, incorrect or unreasonable use.

3 DIMENSIONS

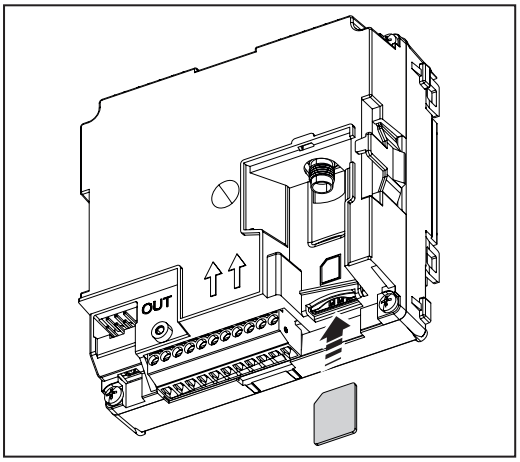
CAME

Type	Mounting	Size 1	Size 2	Size 3	Size 4
		W x H x D (mm)			
 **MTM**	**Surface**	N/A	135 x 228 x 64	135 x 318 x 64	135 x 408 x 64
	Flush	N/A	130 x 226 x 62 *(48mm depth into wall)*	130 x 316 x 62 *(48mm depth into wall)*	130 x 406 x 62 *(48mm depth into wall)*
 **MTM VR**	**Surface**	N/A	135 x 228 x 64	135 x 318 x 64	135 x 408 x 64
	Flush	N/A	130 x 226 x 62 *(48mm depth into wall)*	130 x 316 x 62 *(48mm depth into wall)*	130 x 406 x 62 *(48mm depth into wall)*
 **VRW**	**Surface**	N/A	135 x 228 x 68	135 x 318 x 68	135 x 408 x 68
	Flush	N/A	130 x 226 x 54 *(52mm depth into wall)*	130 x 316 x 54 *(52mm depth into wall)*	130 x 406 x 54 *(52mm depth into wall)*
 **VRM**	**Surface**	N/A	N/A	135 x 318 x 68	135 x 408 x 68
	Flush	N/A	N/A	130 x 316 x 54 *(52mm depth into wall)*	130 x 406 x 54 *(52mm depth into wall)*

4 PRE-COMMISSIONING

CAME

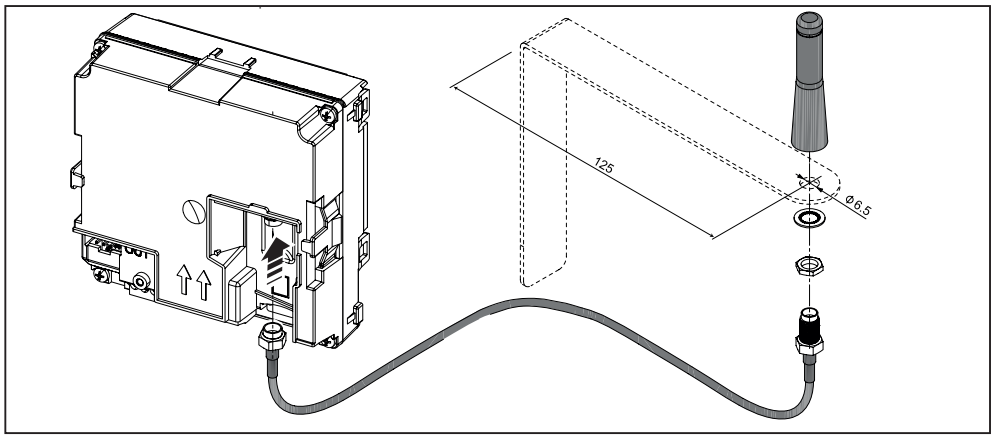
INSERTING THE MICRO SIM CARD



1. Please ensure that the module is disconnected from the mains power.
2. Insert the Micro SIM card into the slot as shown in the diagram

Please note: the Micro SIM is not included with the kit and will need to be purchased separately. We recommend the purchase of a VOLTE compatible Micro SIM card from O2, Vodafone, EE or Three. If this is a Pay As You Go card, ensure it has enough credit. Please ensure that your Micro SIM card is registered with your mobile service provider and is active.

ATTACHING THE ANTENNA



1. Connect the antenna to the connector on the module as show in the diagram, using the extension cable as shown
2. To improve the antenna reception, use a metal support as shown.
3. Once the antenna has been fitted, you can power on your device.

IF USING A MAINS SUPPLY

Carry out the following test before turning on the 230V AC supply.

1. Please ensure that all dip switches and jumper links on all devices have been set as per installation drawings.
2. Ensure 230V AC mains is connected to all mains powered devices and that the switched fused spurs are not turned on at this stage.
3. Ensure that the 18V DC supply is connected to all relevant devices with the correct polarity.
4. Ensure that any ribbon cables within the entry panel are connected correctly; starting at the MTM Audio Module to the “in” of next unit and so on.

Turn on the mains supply at the switched fused spur if all the above tests are correct.

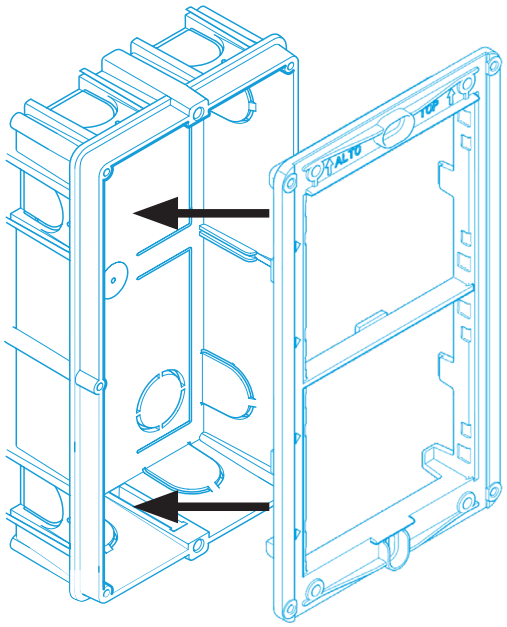
1. Switch on the mains power and WAIT AT LEAST ONE MINUTE before any programming to let the system settle.
2. With the system now powered ensure that you have 18V DC at all points indicated on the installation drawing.

5 INSTALLATION: RECESSED



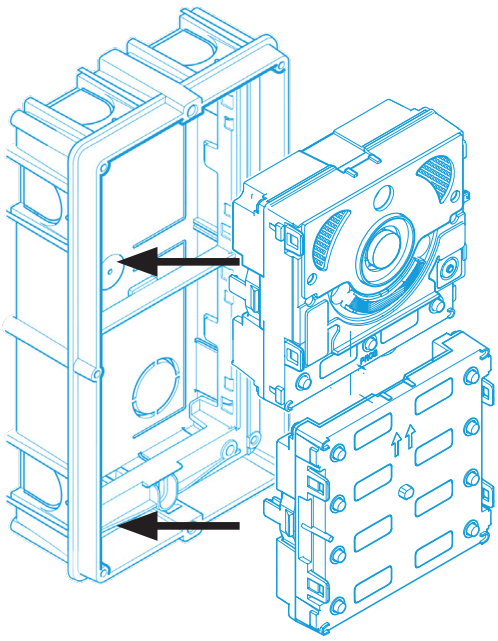
Items illustrated may differ from kit contents. All modules & frames are fitted in the same way.

1



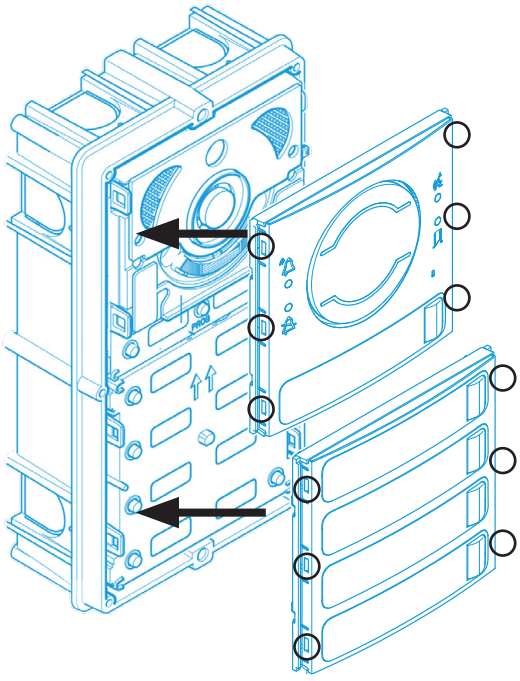
- Fit the aluminium module-housing profile into the recess mounting box

2



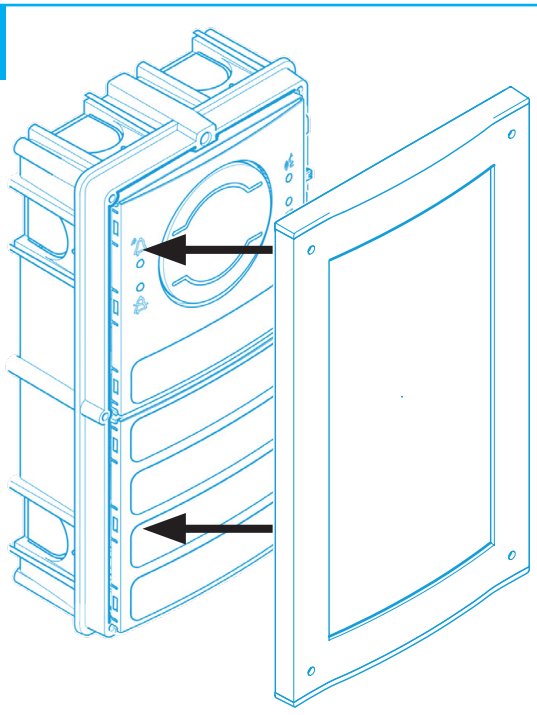
- Slide the electronic modules into place

3



- Snap the pre-configured front panels securely into place over the modules, using the clips circled

4



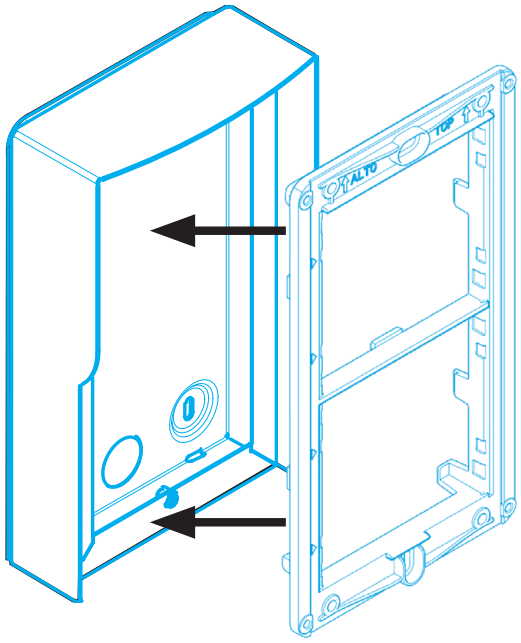
- Screw the outer frame into place over the modules, using the Alan key provided (MTM Aluminium version or the security tool (MTMVR ZAMAK version)

5 INSTALLATION: SURFACE



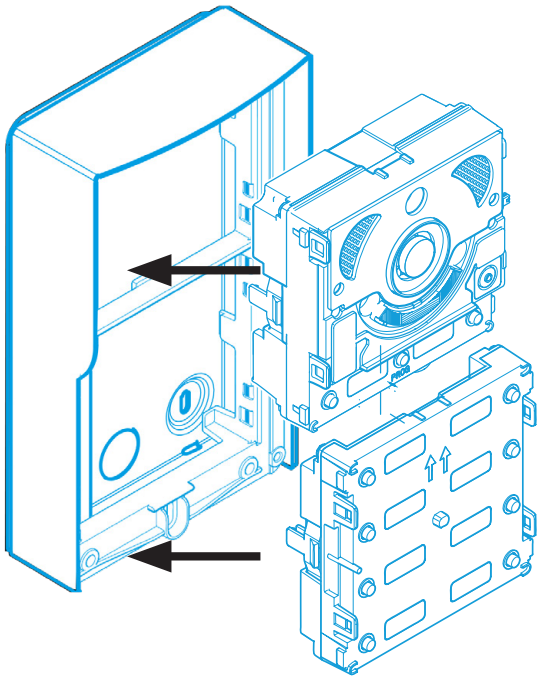
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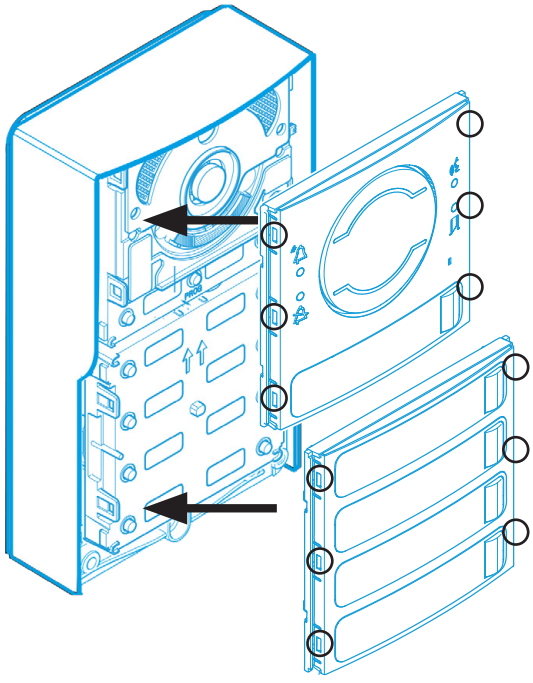
- Fit the aluminium module-housing profile into the rain hood

2



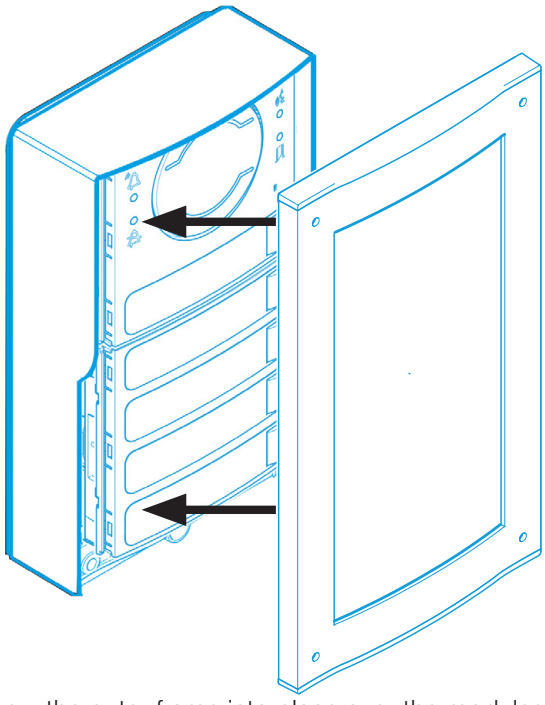
- Slide the electronic modules into place

3



- Snap the pre-configured front panels securely into place over the modules, using the clips circled

4



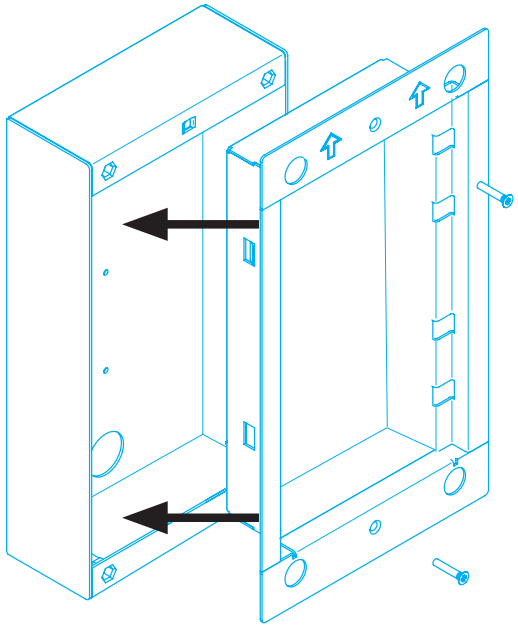
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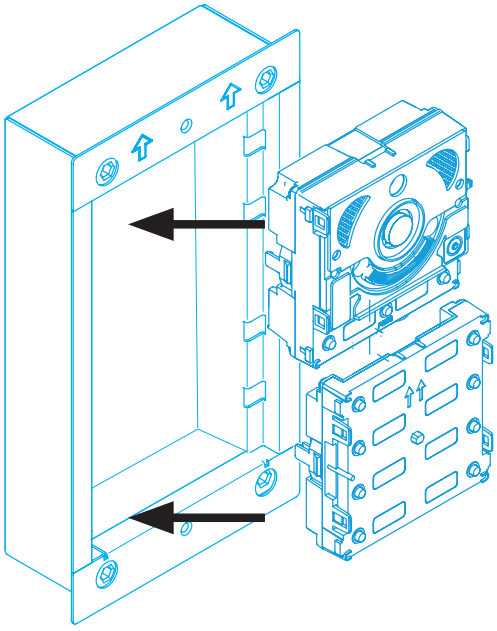
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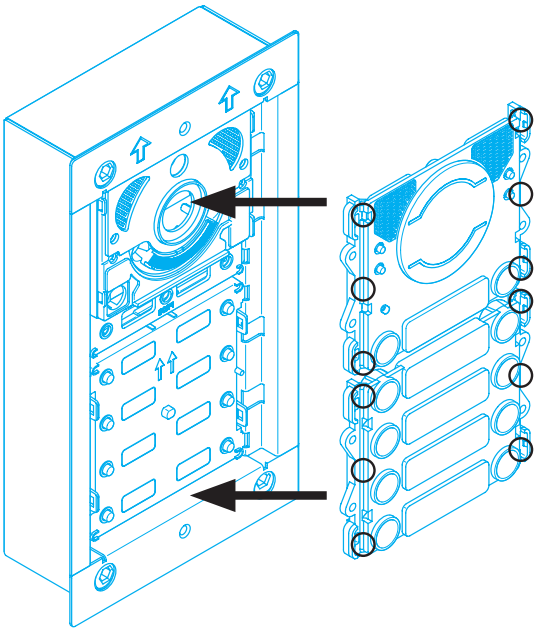
- Fit the aluminium module-housing profile into the recess mounting box

2



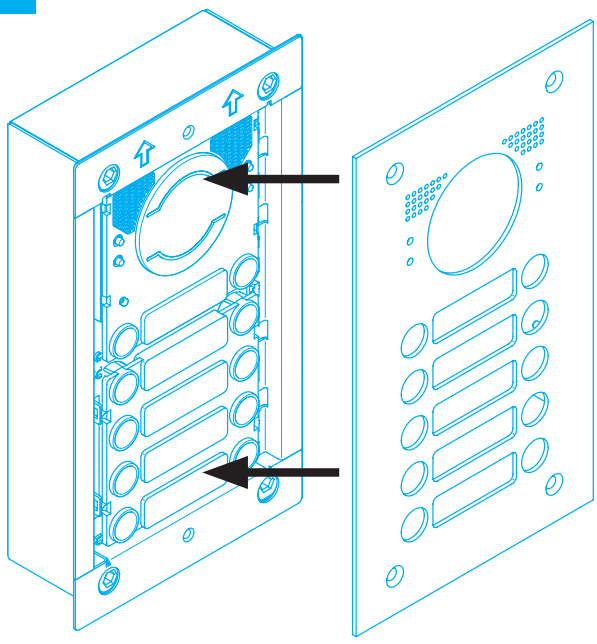
- Slide the electronic modules into place

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- Snap the pre-configured front panels securely into place over the modules, using the clips circled

4



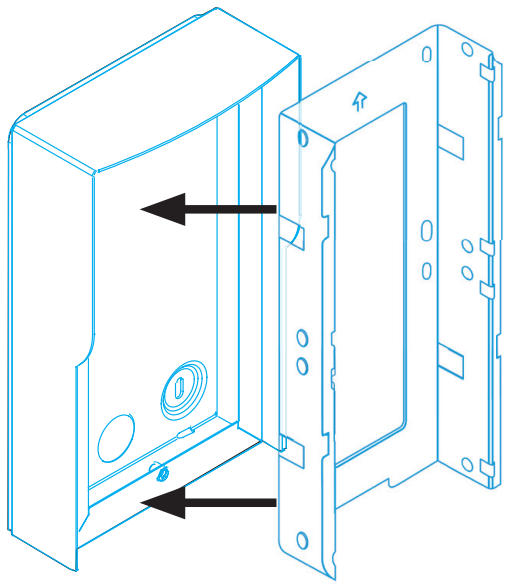
- Screw the outer frame into place over the modules.

5 INSTALLATION: SURFACE



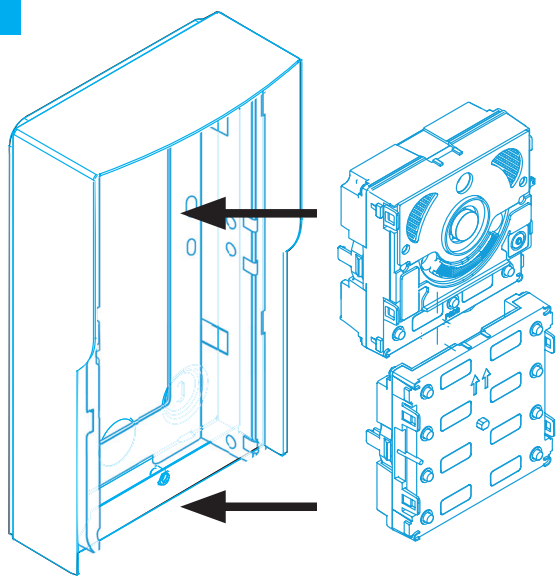
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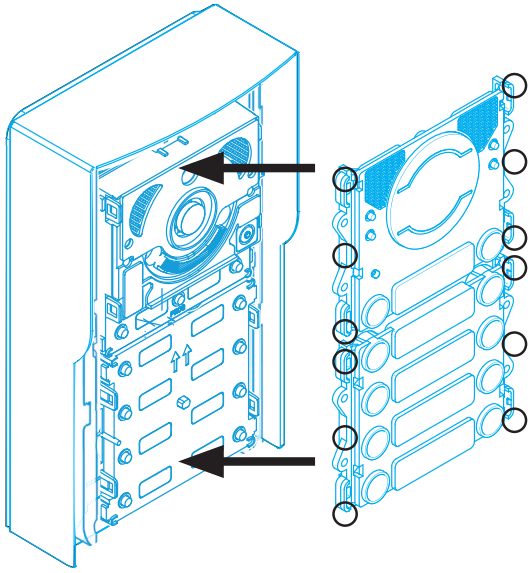
- Fit the aluminium module-housing profile into the recess mounting box

2



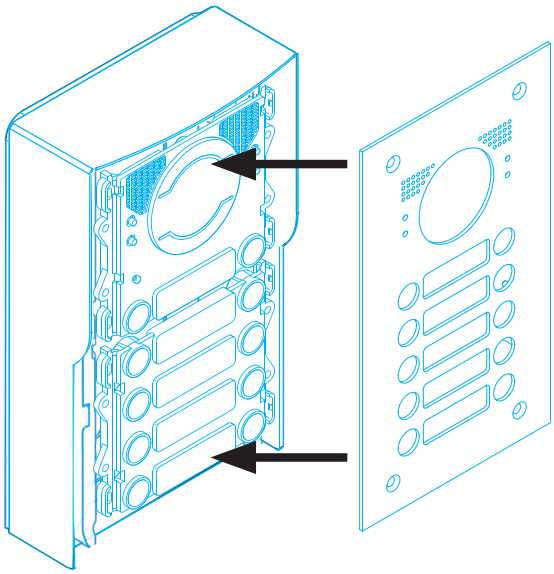
- Slide the electronic modules into place

3



- Snap the pre-configured front panels securely into place over the modules, using the clips circled

4



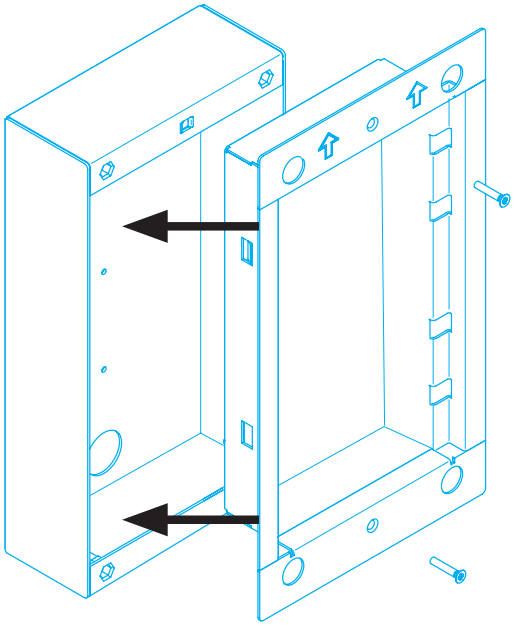
- Screw the outer frame into place over the modules.

5 INSTALLATION: RECESSED



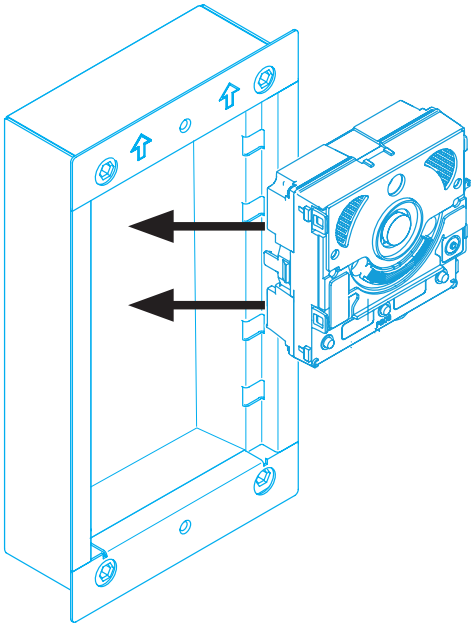
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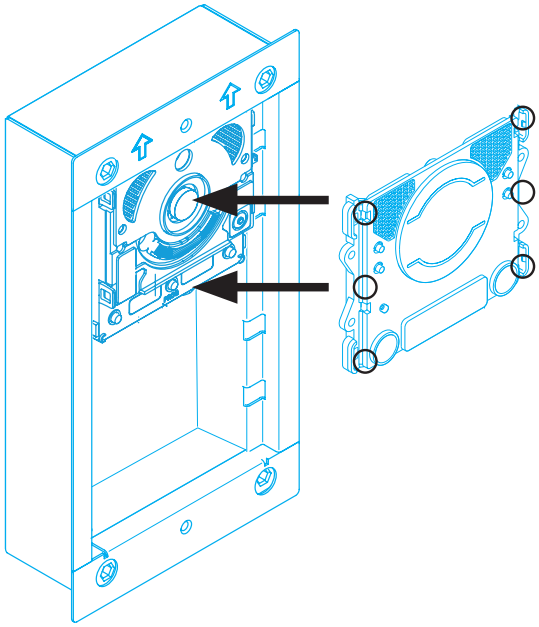
- Fit the aluminium module-housing profile into the recess mounting box

2



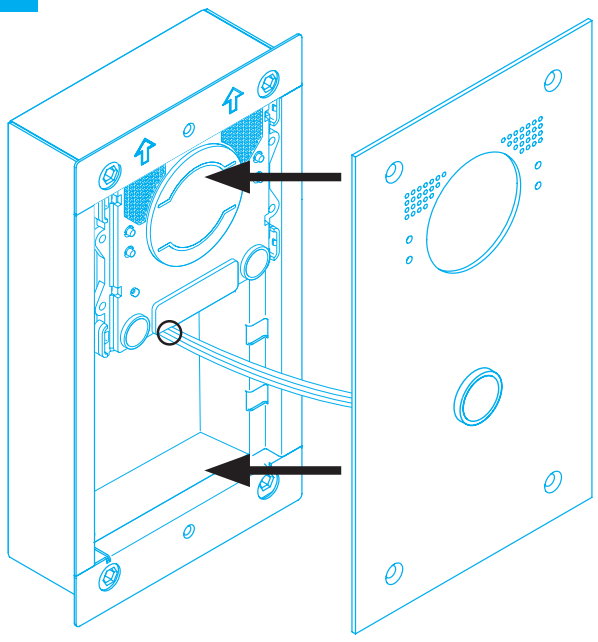
- Slide the electronic module(s) into place

3



- Snap the pre-configured front panels securely into place over the module(s), using the clips circled

4



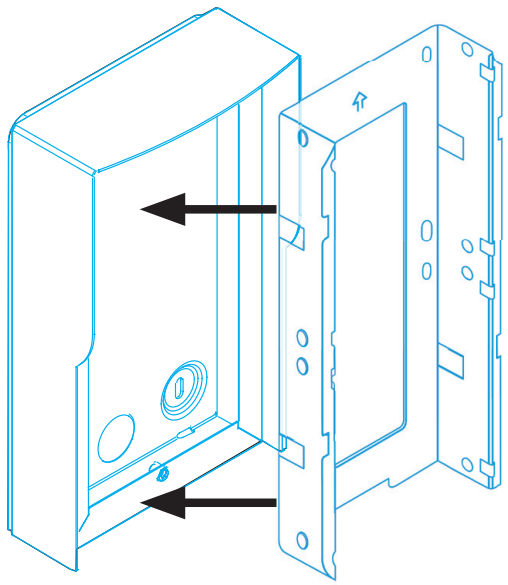
- Connect the ribbon cable from the button to the module above
- Screw the outer frame into place over the module(s).

5 INSTALLATION: SURFACE



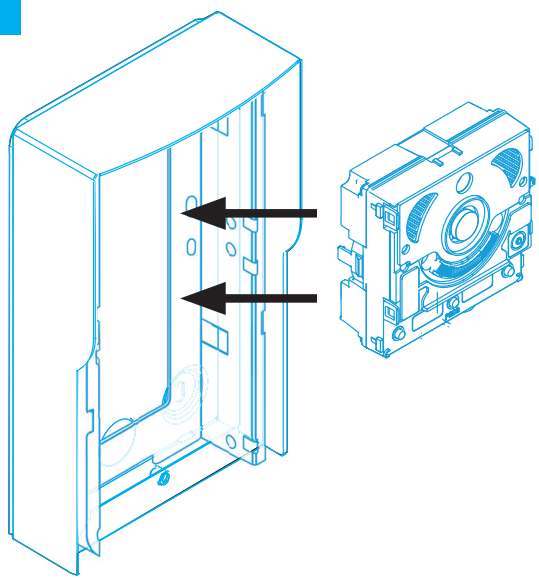
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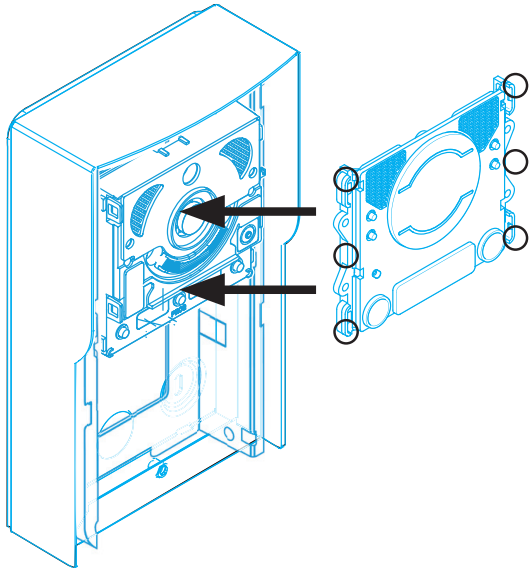
- Fit the aluminium module-housing profile into the recess mounting box

2



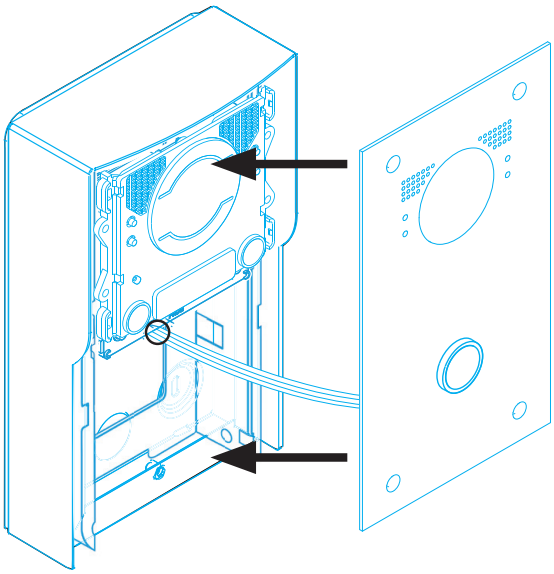
- Slide the electronic module(s) into place

3



- Snap the pre-configured front panels securely into place over the module(s), using the clips circled

4



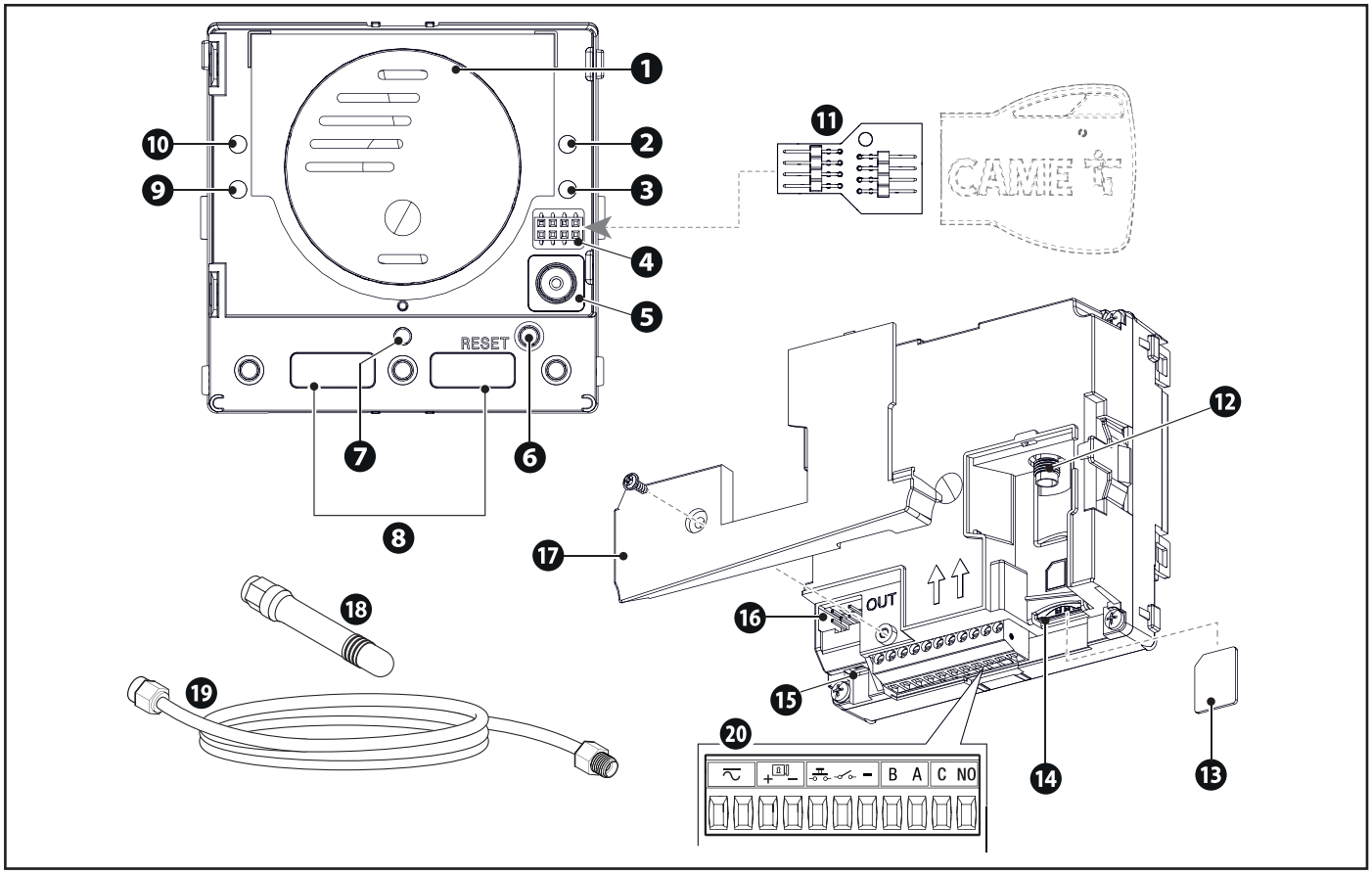
- Connect the ribbon cable from the button to the module above
- Screw the outer frame into place over the module(s).

6 CONFIGURATION

CAME

MTMA/CONNECT – AUDIO MODULE





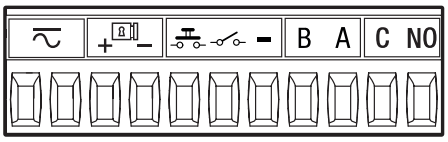
1 Speaker
2 LED warning light: conversation in progress (yellow)
3 LED warning light: door open (green)
4 Connector for CAME KEY
5 Microphone
6 Reset button (restart the device)
7 Network diagnostics LED
8 Call buttons
9 LED warning light: user busy (blue)
10 LED warning light: call in progress (red)
11 CAME KEY adapter (88040-0055)
12 Antenna plug
13 Micro SIM card
14 Slot for Micro-SIM-CARD (Push-Push)
15 Hearing-impaired module housing
16 Additional module housing
17 Terminal cover
18 Antenna
19 Extension cable for antenna remote control

6 CONFIGURATION

CAME

MTMA/CONNECT – AUDIO MODULE



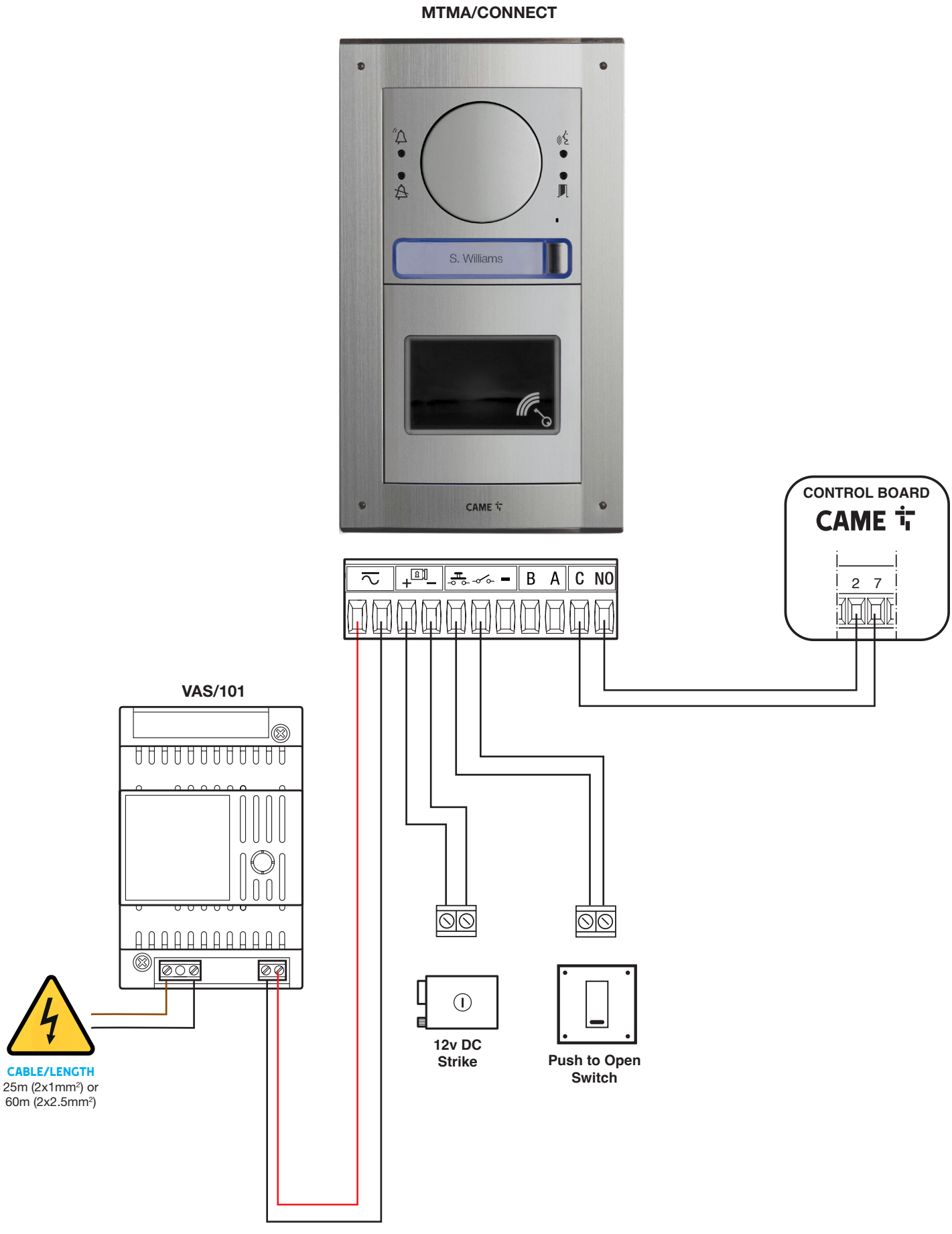


⓴ Terminal board for electrical connections		
~	Power supply	
+ –	Electric lock	Electric lock connection 12V max. 1A
	Door release button (NO)	
	Programmable input	See the section [Programming – Module management] for information on configuration from the app. By default, the input duplicates the function of call button 1.
–	Earth	
B A	BUS CRP connection	Up to 2 devices can be connected.
C NO	AUX 1A 30V ES1 (SELV) contact	Relay operating modes: - Pulse (See the section [Programming – Module management] to configure the relay activation time from the app) - Continuous activation* - Continuous deactivation

* Activation may be interrupted during programming or restarting, or where the power supply is unstable/absent.

7 WIRING DIAGRAM

CAME



7 WIRING DIAGRAM

CAME

MTMA/CONNECT



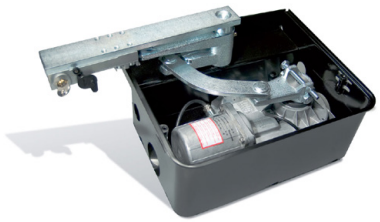
CONTROL BOARD

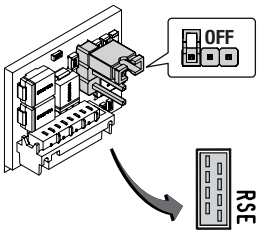
CAME

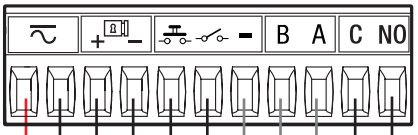
2 7

GATE OPERATOR
CONTROL BOARD









A B GND

11 10

12v DC
Strike

Push to Open
Switch

8 COMMISSIONING VIA APP

CAME

IMPORTANT!

THE INSTALLATION MUST BE CARRIED OUT BY SKILLED AND QUALIFIED PERSONNEL

1 DOWNLOAD THE CONNECT SETUP APP

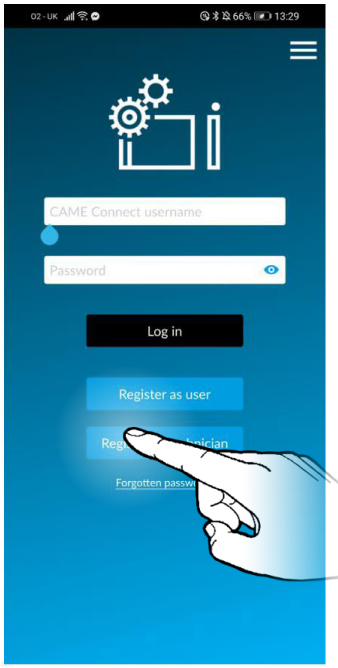
GET IT ON Google Play

GET IT ON App Store

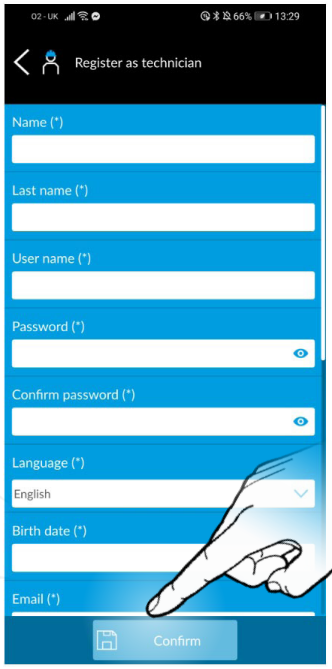
1.1 Scan the QR code appropriate to your smartphone.

2 TECHNICIAN CONNECT SETUP APP

If you have an existing account, please move to step 3.

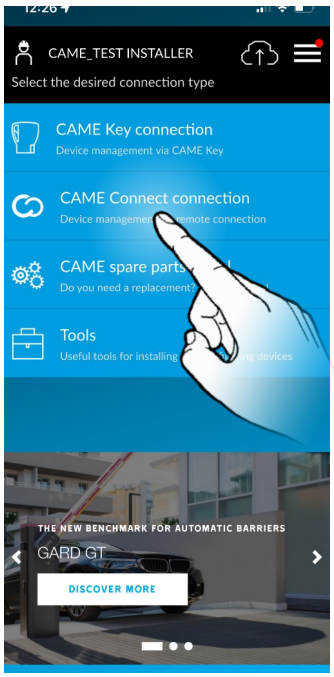


2.1 Select “Register as technician”.

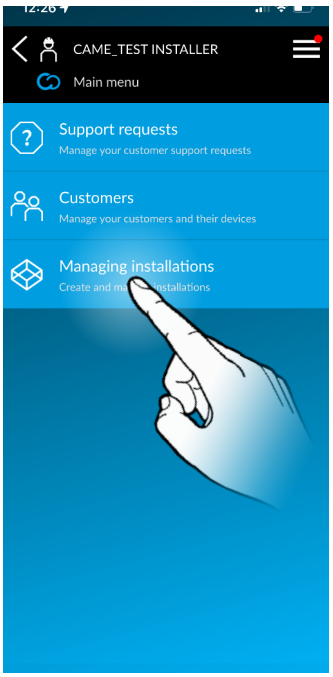


2.2 Fill in your details and then “Confirm”.You will receive an email containing your log in information and request to confirm the account. Should the email not arrive, please check your junk folder.

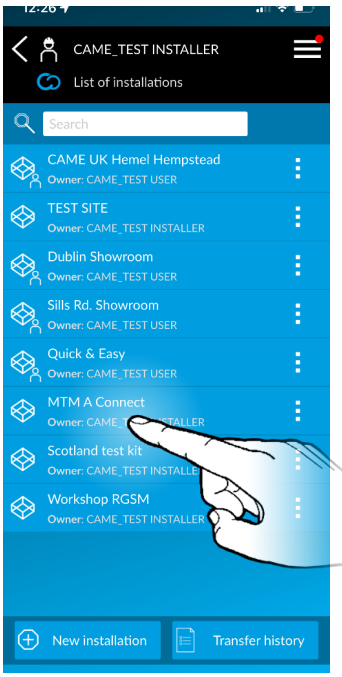
3 ADDING THE GATEWAY TO YOUR TECHNICIAN ACCOUNT



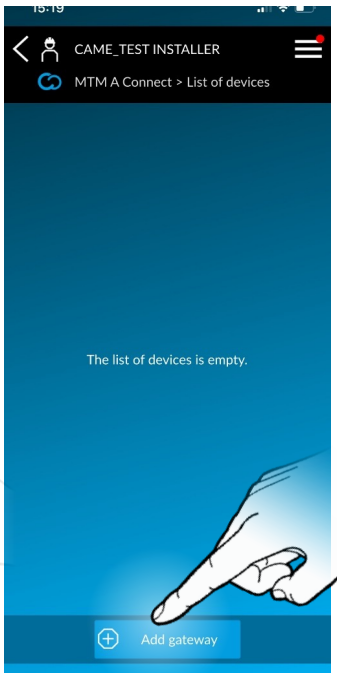
3.1 Select **“CAME Connect connection”** in order to proceed.



3.2 Select **“Managing Installations”**

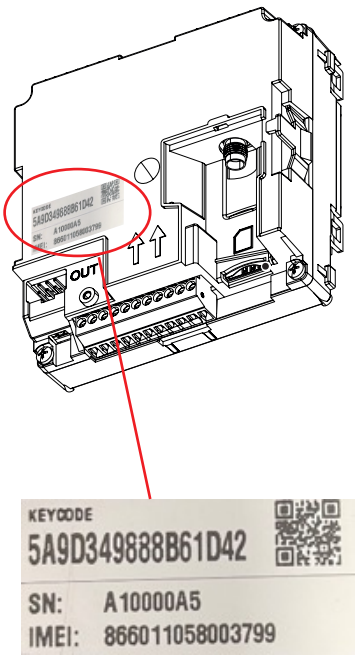


3.3 You can either select an existing Site or Installation or create a new one. In this example, we already have a Site called MTM A Connect, so we will select that one.

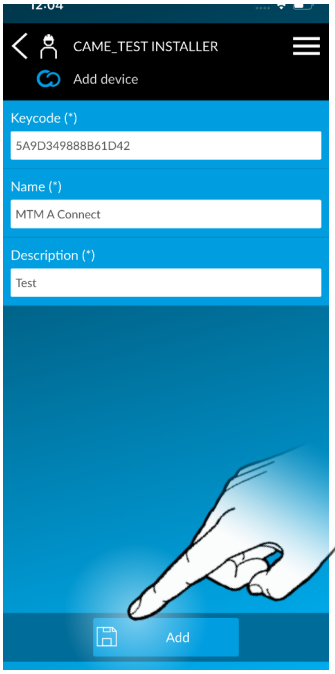


3.4 Select “**Add Gateway**”.

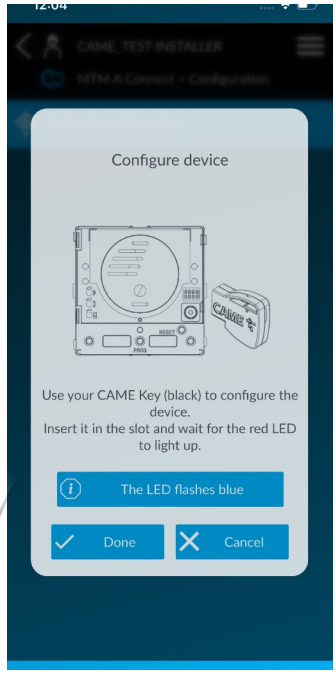
8 COMMISSIONING VIA APP



3.5 You can now use the app to scan the QR code on the rear of the MTMA/Connect unit (see above).



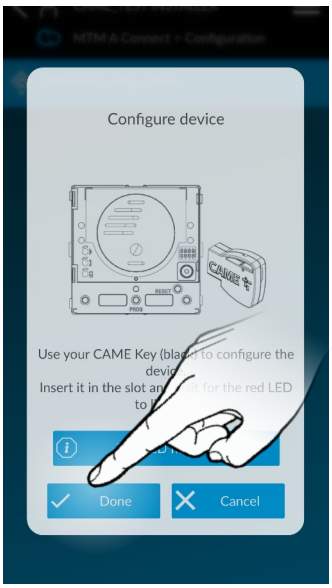
3.6 Give the device a name and a description. When done, press **"Add"** at the bottom.



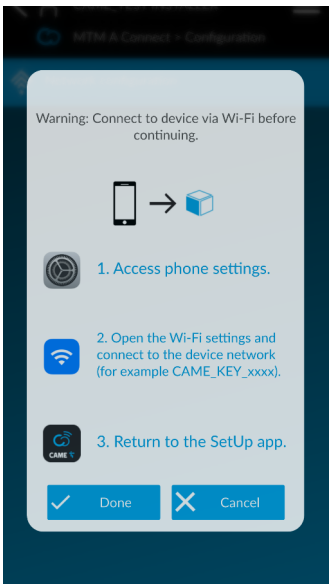
3.7 You will now see this screen as the system has detected you are trying to add a gateway which is an MTMA/Connect.



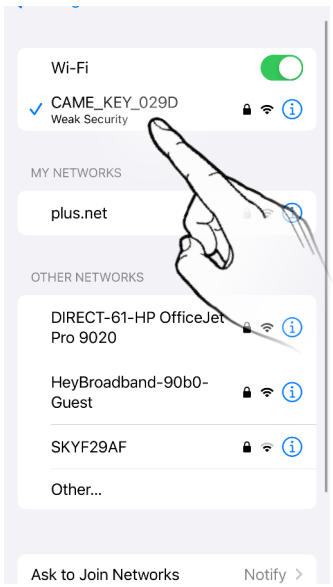
3.8 Plug in the CAME KEY (using the supplied adaptor) into the socket on the front of the unit (see above). Wait for the **RED** LED to be active on the CAME Key.



3.9 Press **"Done".**



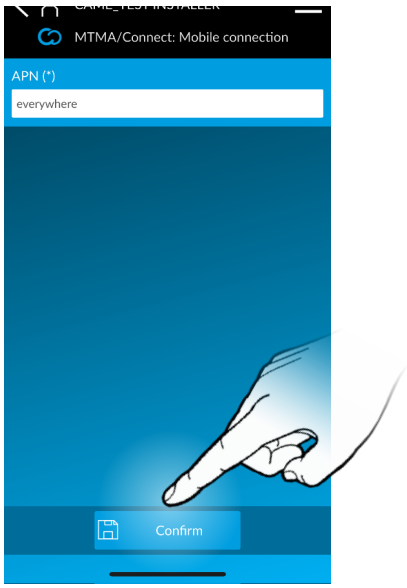
3.10 When you see this screen, change the active app to the phones Settings (shown here on iPhone), and select the WiFi connections.



3.11 Select the CAME_KEY_0xxx from the Wifi list. If requested to enter a password, enter 01234567.

Wait for the LED on the CAME Key to turn **BLUE.**

Now switch back to the Connect SETUP app.



3.12 The screen will be ready for you to set the APN of the VoLTE SIM card in the device, to enable it to access the Internet.

In this example, we have used an EE 4G SIM card, and for EE the APN is simply 'everywhere'.

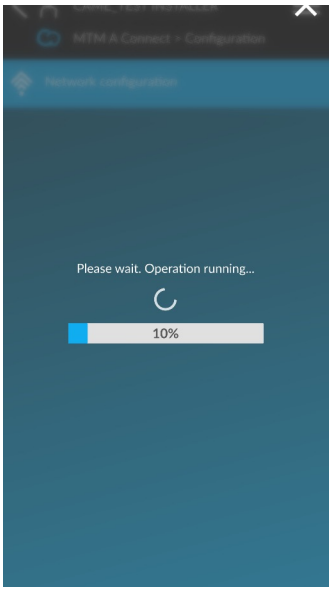
Press **"Confirm"** to continue.

See section 9 for APNs.

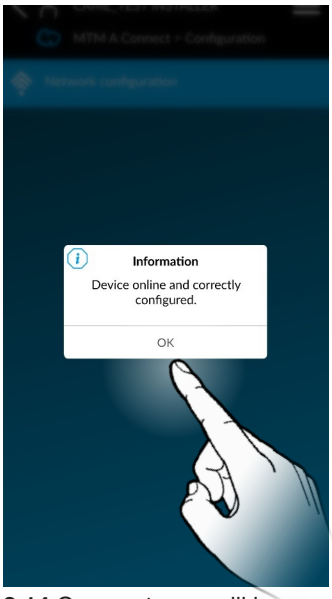
8 COMMISSIONING VIA APP

CAME

4 SYSTEM MANAGEMENT



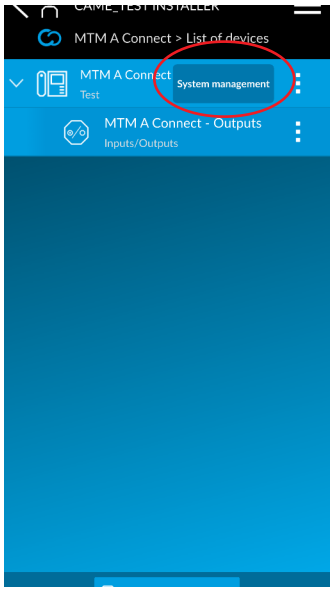
3.13 For the next few seconds, the SIM card will register to the network using the APN settings you entered just now. During this time, the progress bar will show on the screen like this.



3.14 Once set, you will be asked to acknowledge this.

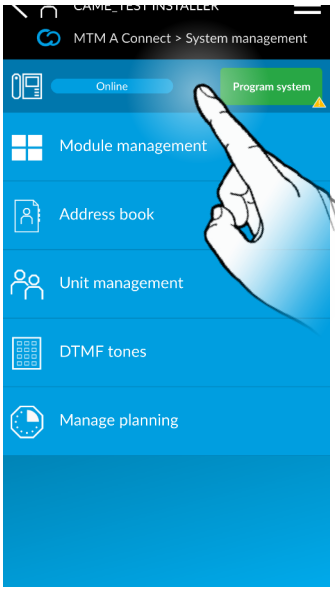
Press "**OK",** and the device will reboot.

You will then see an image asking you to remove the CAME KEY, as it is no longer required.

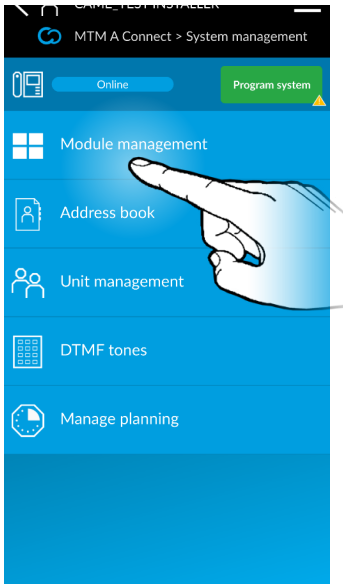


4.1 Once the device has rebooted, it will appear in the app as a Gateway device, but with an extra option – a button to the right labelled System management.

This new button manages the Door Entry functions, which we will look at next - otherwise it acts like a normal CAMEconnect gateway, and devices can be added to it in the normal manner.

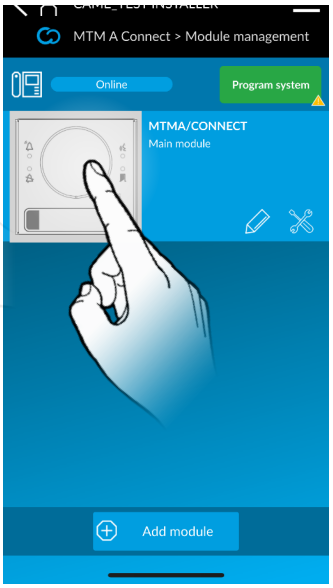


4.2 To setup the Door Entry system, press **"System management".**

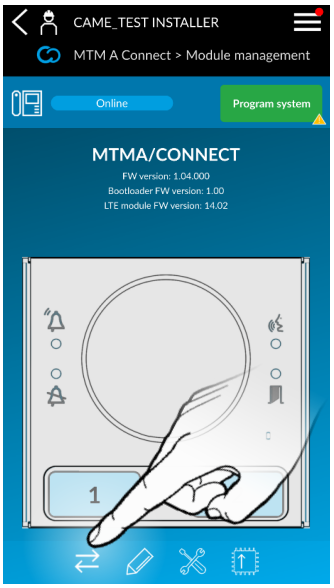


4.3 select **"Module management."**

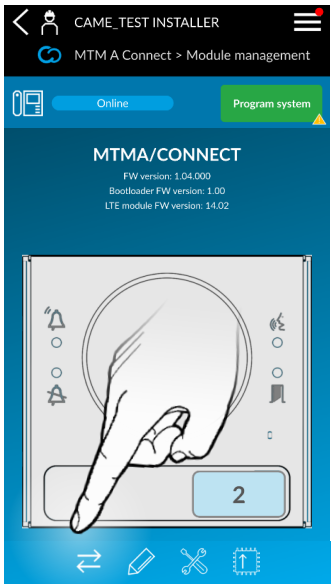
In this menu we can select WHICH buttons are linked to which Flats, as well as adding any additional MTM modules which may be present.



4.4 To change the layout configuration of the CALL buttons on the main module, simply press the module image itself to access to button configuration screen.

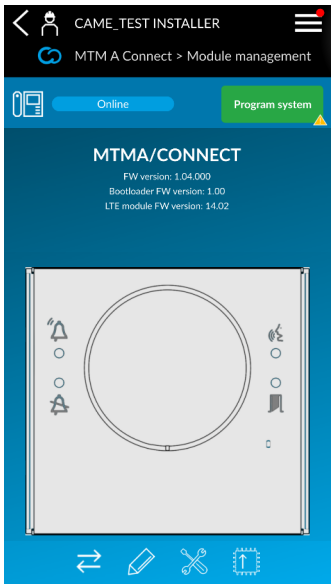


4.5 The CALL button configuration screen shows the current layout of the CALL buttons (default is BOTH – as shown here). To change the layout press the ⇄ button beneath the image to cycle through the options.

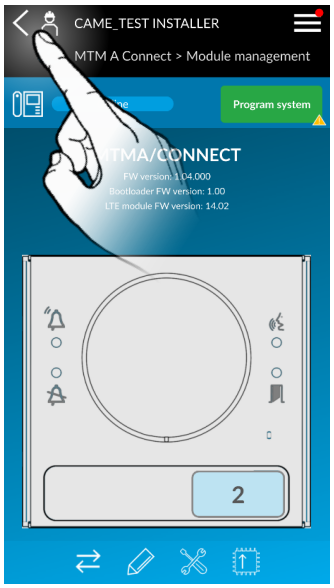


4.6 You can select ONE button only – or press the button again to move to the next choice…

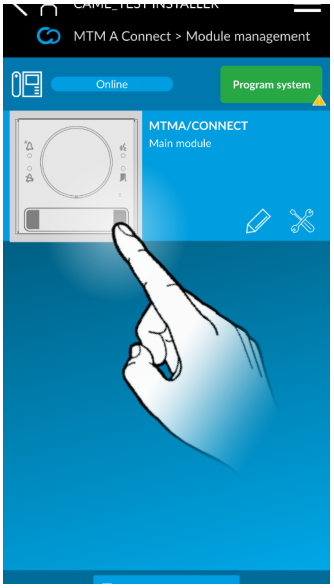
8 COMMISSIONING VIA APP



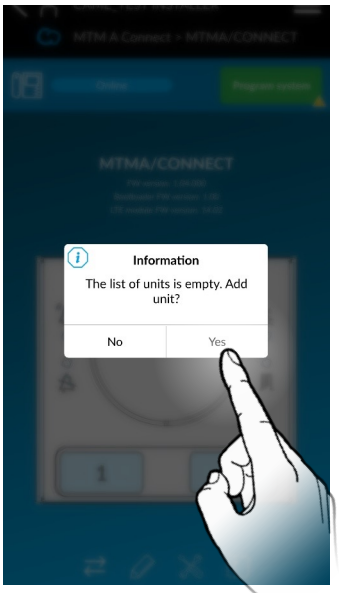
4.7 Or you can select NO buttons – or press the button again to move back to the first choice…



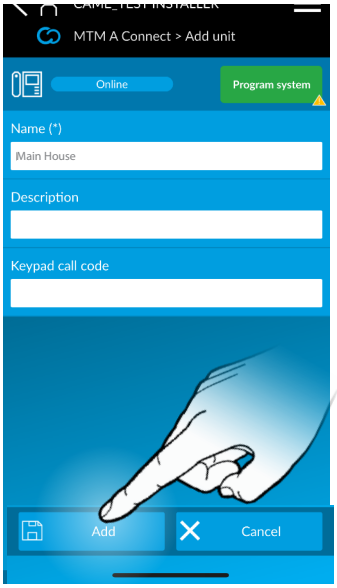
4.8 When happy with the configuration, press BACK at the top left and the new configuration will be shown on the main page.



4.9 Now let's add the right hand call button. On the image of the base module on the screen, press the right hand call button.



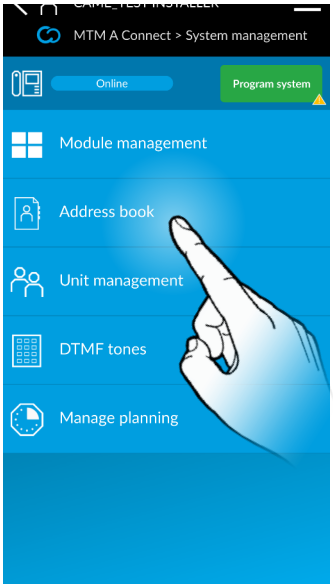
4.10 If no call button destinations (units) have been programmed previously, you will be alerted of this, and asked to add a unit. Press **"Yes."**



4.11 Enter a name for the destination to be called by this button (i.e. Main House), and a description if required.

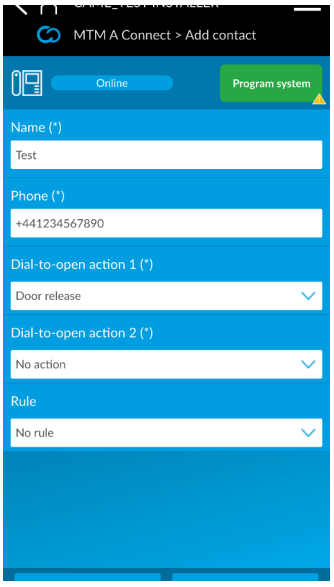
Keypad call code – Leave blank

Note this is only used for programming digital call systems



4.12 In order for the unit to call someone, we will need to add some contacts into the Address Book next.

Press **"Address book"** from the menu.

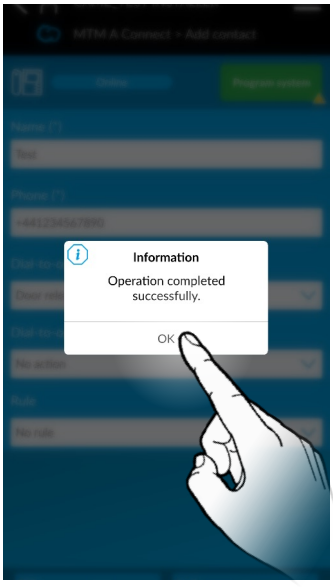


4.13 Give the call recipient a name, and then enter their Phone Number.

(NOTE: the number must be entered in full international dialling standard – i.e. +44 (UK) +353 (IE) and no leading zero).

You can also assign which functions are required for each of the two Dial to open actions. Choose from Door Release, Aux Relay ON/OFF, Aux ON, Aux OFF etc..

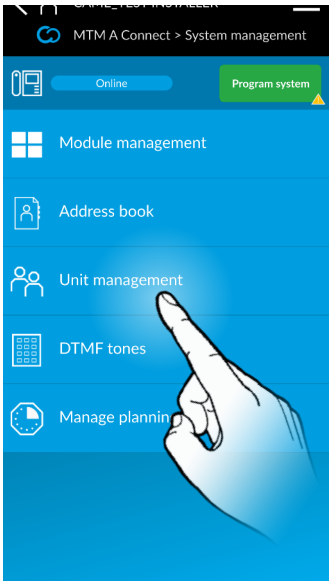
Then press **"Add"** to add this contact.



4.14 Press **"OK"** on the box.

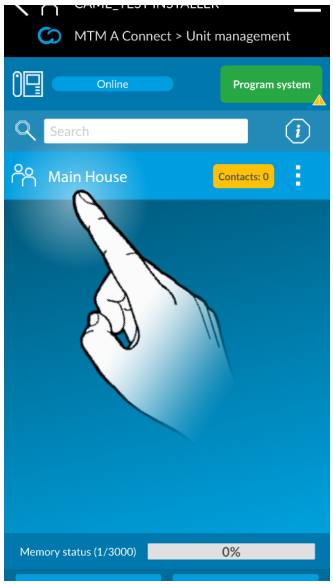
You can now repeat this process and add as many contacts as you wish. Remember that only 5 may be assigned to a call button, and the order in which they are called can be changed as required.

8 COMMISSIONING VIA APP

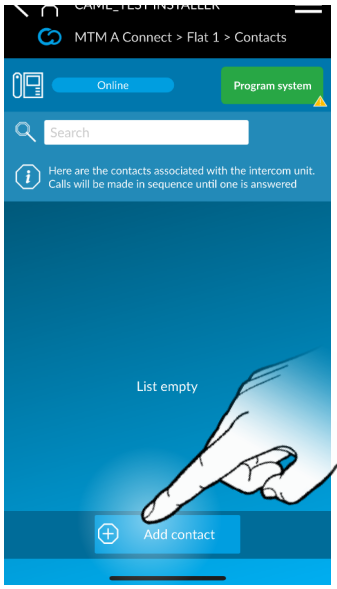


4.15 We can now associate the Contacts to the Call Buttons.

Select **“Unit management.”**

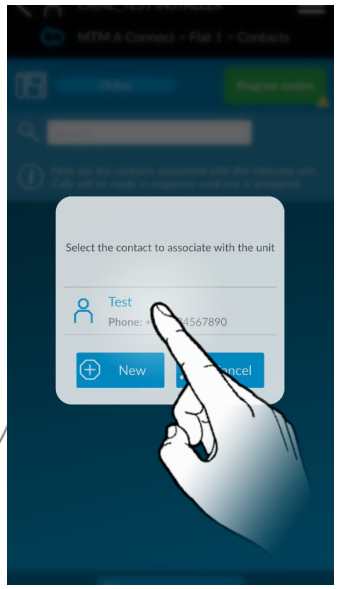


4.16 Now select the desination i.e Main House



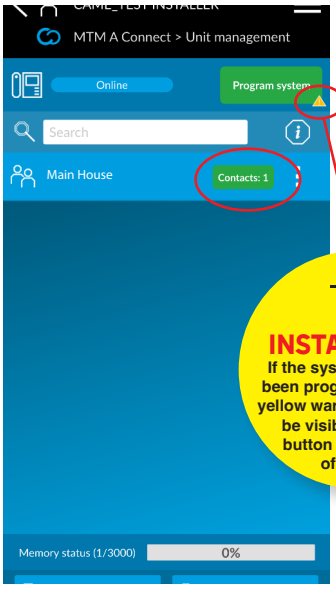
4.17 If there are no contacts associated yet with the destination i.e Main House, the screen above will be shown.

To add a new contact select. **“Add contact”** at the bottom.

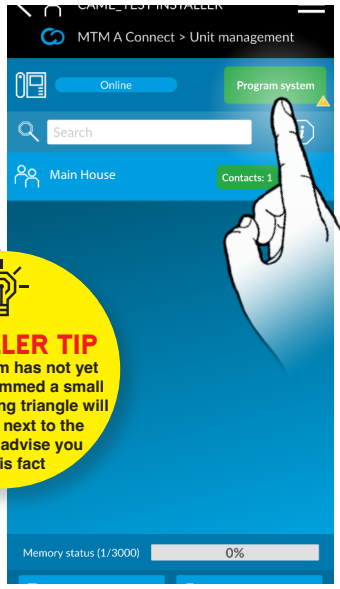


4.18 A list of available contacts is shown, you can scroll through the list and select the one you wish to use, or press New to add a new contact.

Here we will use the test contact we added earlier, by selecting it by name.

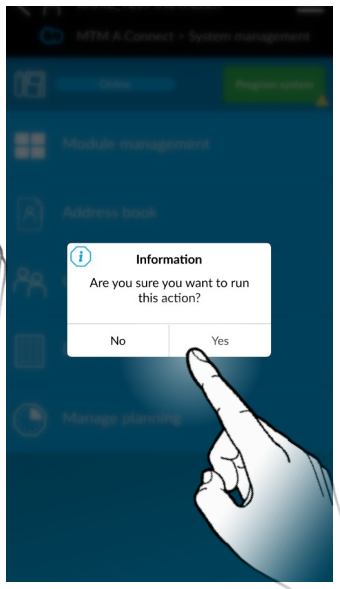


4.19 Next to the relevant destination (ie Main House), it will show the number of contacts associated with it in the green box to the right. (In our example, only 1 is associated and will be called).



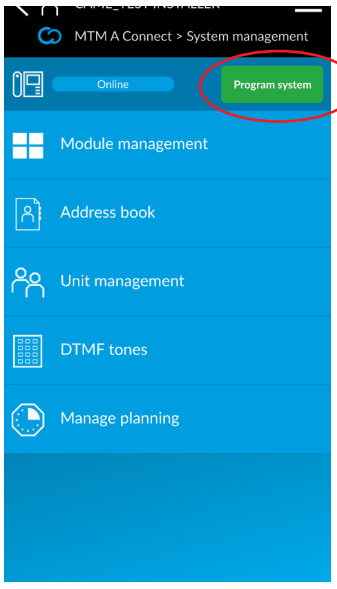
4.20 If you wish to add more contacts to the Main House, simply select it again, add another contact, and change the order required for them to be called in.

When done press the **GREEN Program system** button on the top right.



4.21 Press **“Yes”** to confirm that you DO want to program the system with these settings.

You will then see another popup advising that Programming has started. You can press **“OK”** if you wish.

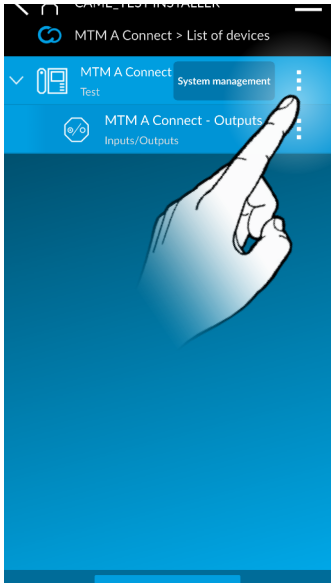


4.22 Once the programming phase is completed, the Cloud icon will disappear and the button on the top right will change to Program system, but without the small yellow warning triangle.

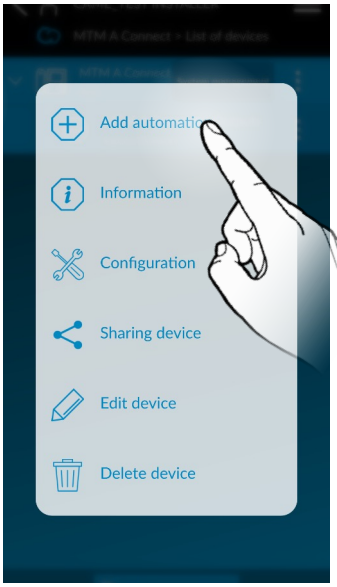
The basic operation of the Door Entry system is now programmed and ready to be used.

8 COMMISSIONING VIA APP

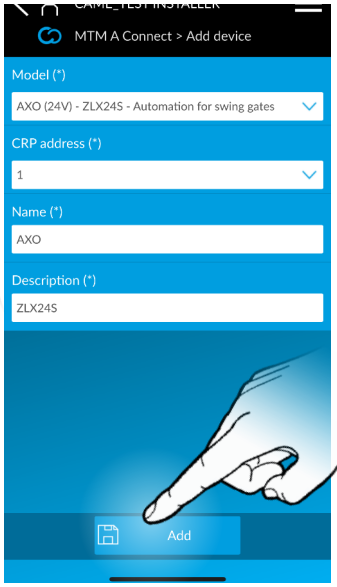
5 CONFIGURING THE CRP GATEWAY



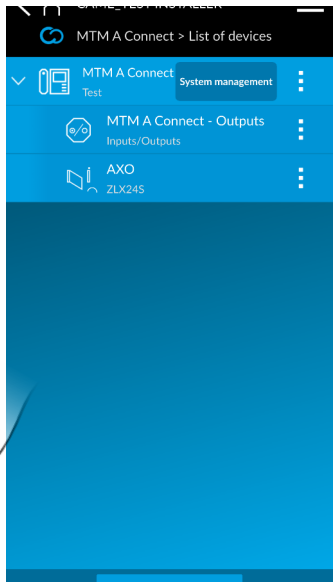
5.1 From the Device menu within the site, press the **three dots icon** to the right of the device name



5.2 A menu will appear (see right) with a series of options. As per normal when adding a device to a gateway, select **“Add automation”** to proceed.



5.3 Select the Operator type (in the example we have selected an AXO (24v) connected to a ZLX24S control panel. Enter the CRP address (default is 1), and the Name and Description of the device. When ready press **“Add”.**



5.4 Your selected operator will now appear below the Gateway and I/O control in the device list.

Any CAMEconnect operations can now be carried out as per normal.

8 COMMISSIONING VIA APP

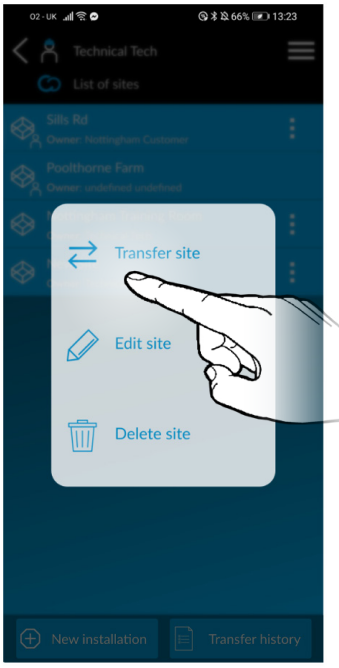
6 TRANSFER TO CUSTOMER

OPTIONAL: If you choose to transfer site ownership to your customer, you will lose the ability to remotely manage this system, unless your customer raises a support request giving you permission to access the system.

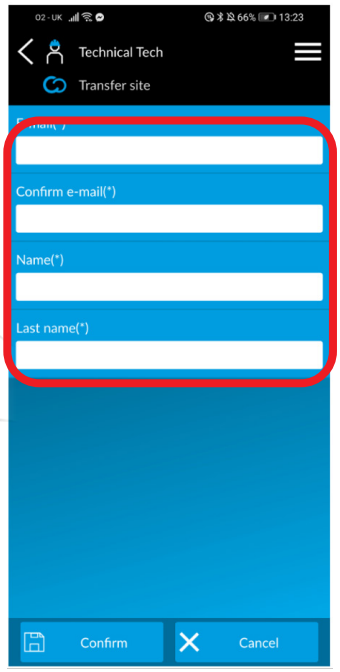
Transferring site ownership will allow your customer to make changes to the system.



6.1 To transfer to a customer, select the 3 dots.



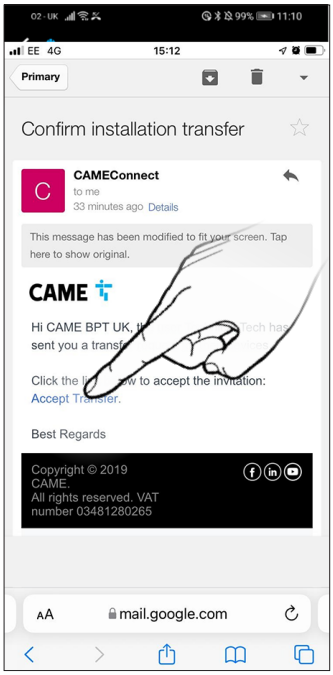
6.2 Select Transfer site



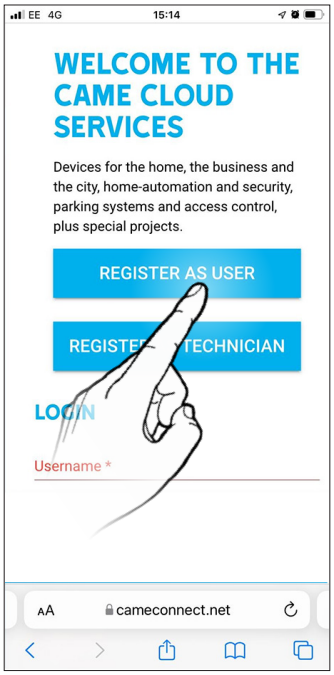
6.3 Enter customer details you wish to transfer to.



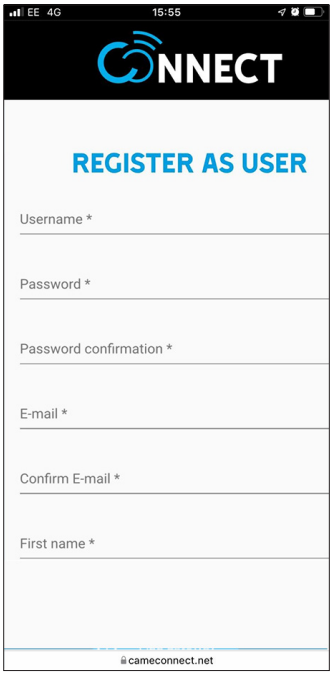
6.4 Select confirm. The customer will get an email asking to confirm the account.



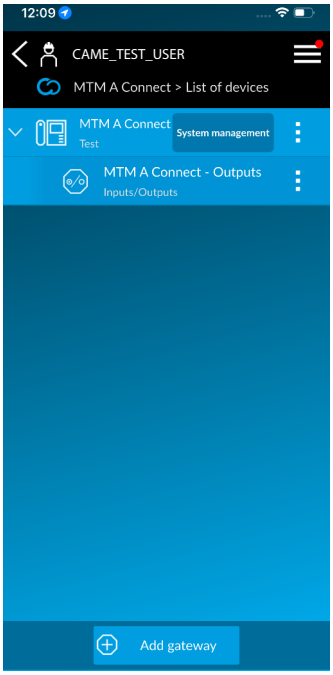
6.5 Accept the transfer request directly from the email received by the customer.



6.6 If the user has not previously registered, select REGISTER AS USER.



6.7 Complete the registration details.



6.8 Finally, download the Setup App to the user's smartphone.

On first login you will be prompted to accept the gateway.

You will then be presented with control options for the automation.

Google Play App Store

9 APN SETTINGS

The APN settings listed below are correct as at ***March 2024***, but may be subject to change from the Mobile Network Operator.

Should the below settings not work for your sim, please contact the Mobile Network Provider who will be able to confirm the correct APN to use.

UK

Provider	Service	APN
O2	Contract	mobile.o2.co.uk
	PAYG	payandgo.o2.co.uk
Vodafone	Contract	internet
	PAYG	pp.vodafone.co.uk
EE	Both	everywhere
Three	Both	three.co.uk

IRELAND

Provider	Service	APN
Vodafone	Both	live.vodafone.com
Eir	Both	data.myeirmobile.ie
Three	Both	3ireland.ie

10 DTMF SETTINGS

The system has preset DTMF tone settings. During a call pressing a key combination will carry out a specific function. For example to increase the volume on the speaker Key 1#.

There are 8 of these that are set by default. 4 of which cannot be changed.

The other 4 can be modified from their default settings if required.

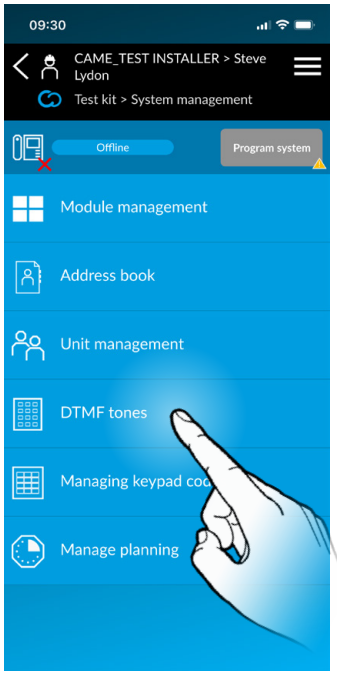
The process for this is detailed within this section.

DTMF Functions:

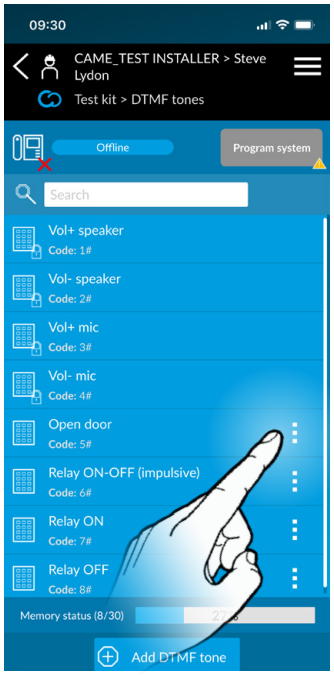
Function	DTMF	Locked?
Volume + Speaker	1#	Yes
Volume - Speaker	2#	Yes
Volume + Mic	3#	Yes
Volume - Mic	4#	Yes
Open Door	5#	No
Relay Pulse	6#	No
Relay On	7#	No
Relay Off	8#	No

10 DTMF SETTINGS

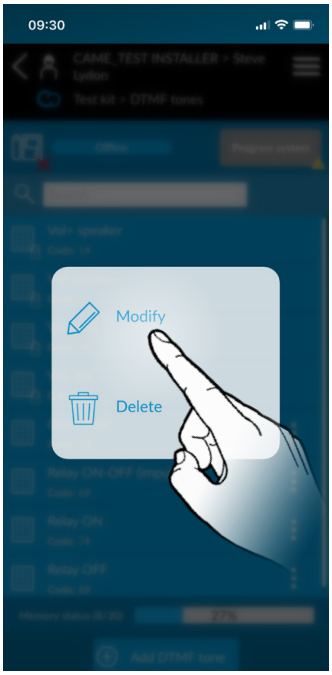
CHANGING DTMF SHORTCUT KEYS



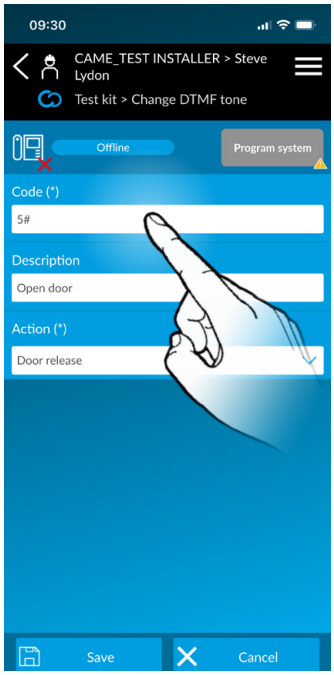
10.1 From the Main Menu Press **“DTMF tones”.**



10.2 To change the preset DTMF key combination press the 3 dots as pictured above.

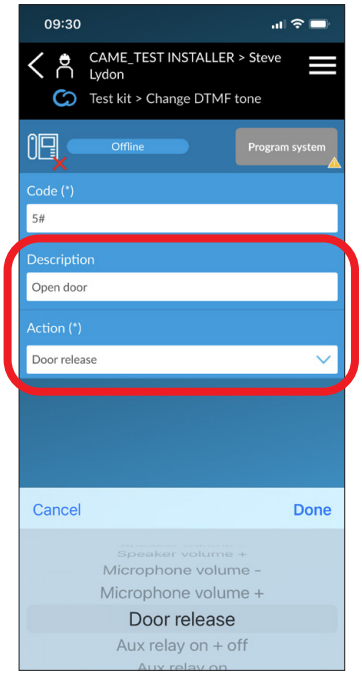


10.3 Select Modify.



10.4 Replace the code with your desired key combination

Note: key combinations must be a minimum of 2 characters.



10.5 It is also possible to change the description and action of the function from within this menu if desired.

NOTES

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