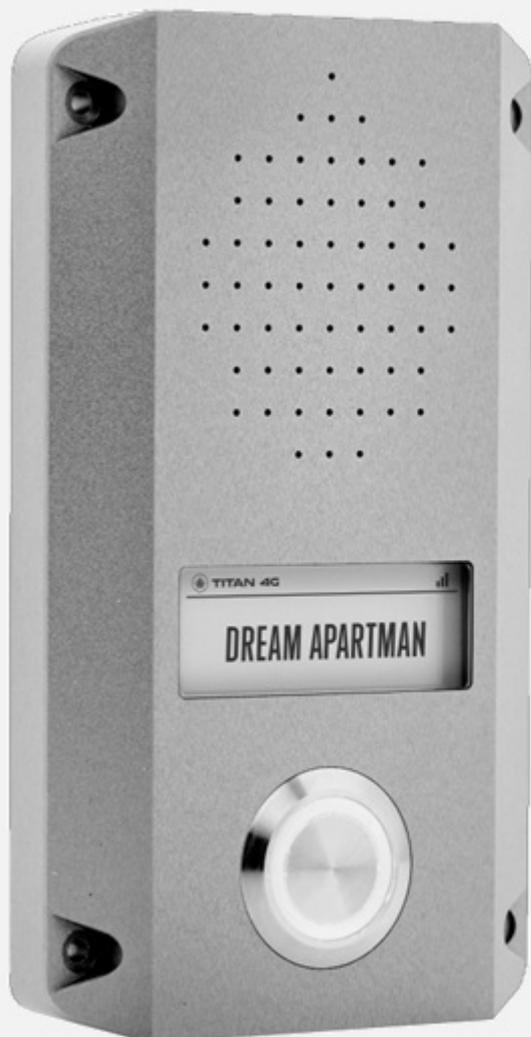


# TITAN 4G

## 4G Door Intercom

User manual v1.0



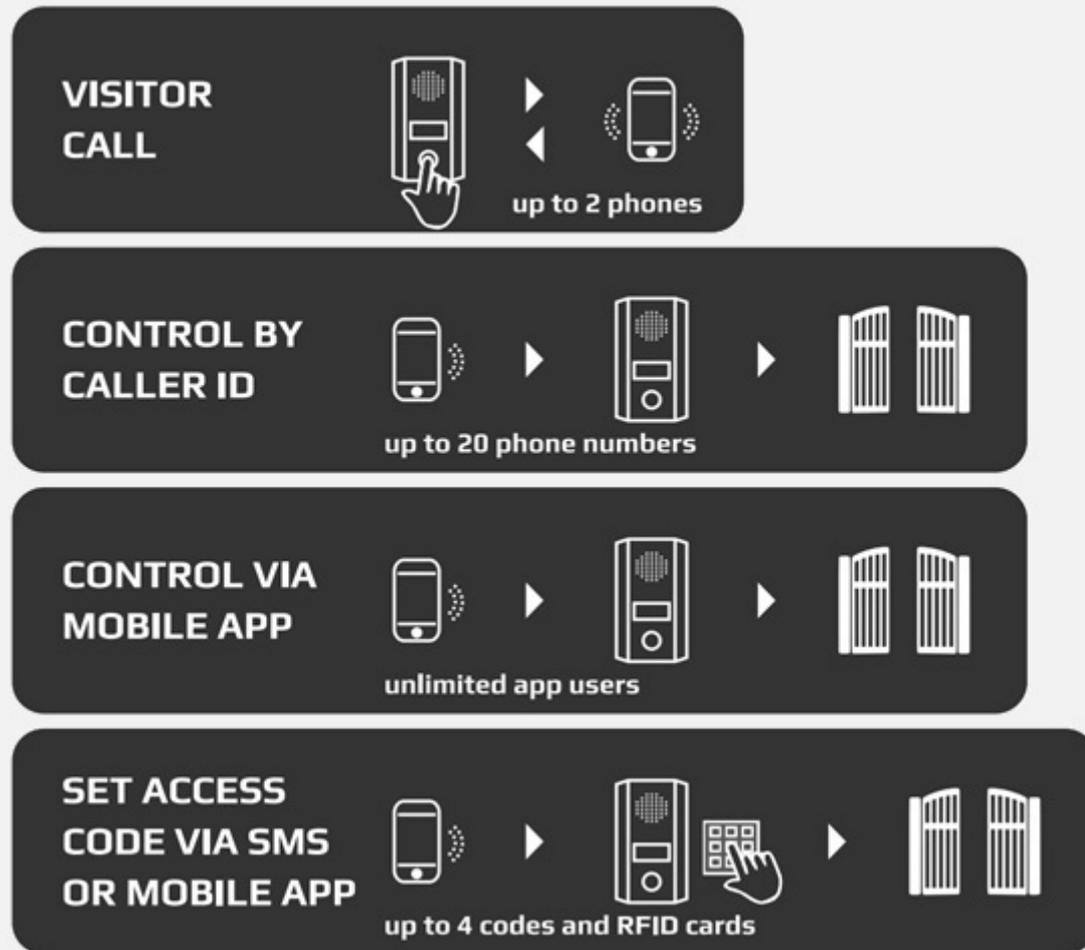
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## 1 Overview

The TITAN 4G door intercom works directly on the mobile network and no 3rd party server needed for communication. It is therefore a simple, fast operate and reliable product.

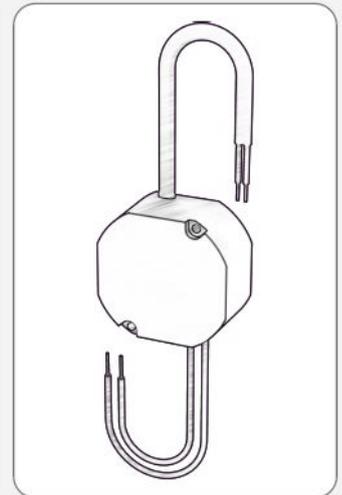
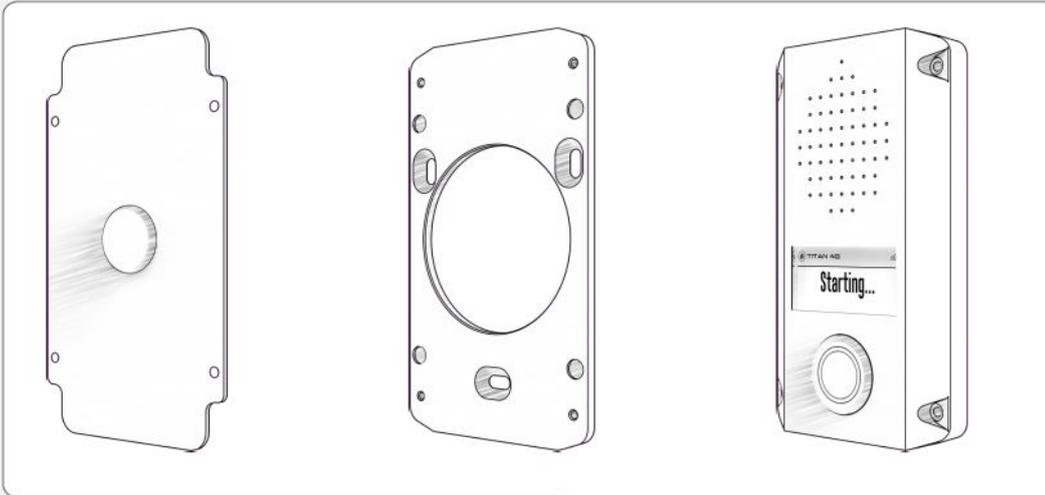
The device can perform the following functions:



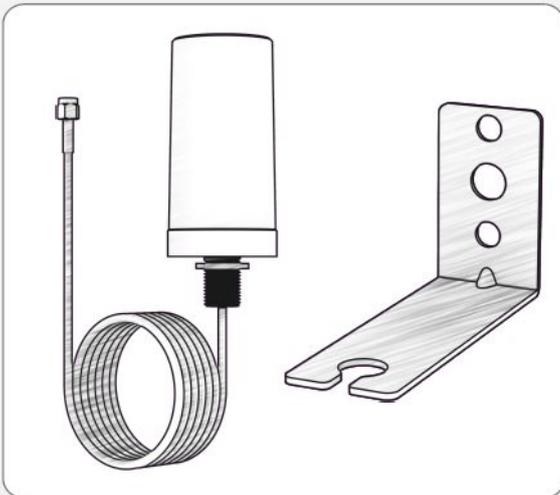
## 2 Key features

- 4G VoLTE mobile network compatibility
- Electronic paper displays with LED-backlit (display up to 20 characters)
- Ultra flat and vandal proof aluminium design in 3 colours (without flush mounting box)
- Remote control with 1 relay and 1 door lock option (via up to 20 free call or mobile APP)
- Local control via Wiegand input (management of 4 permanent, 4 temporary codes or RFID tags)
- Local setup via smartphone, notebook or tablet, using the WIFI hotspot emitted by the intercom
- Local setup with PC software via USB connection
- Remote configuration via cloud-based WEB server (optional)
- Event list (accessible locally or remotely via WEB)
- All in the box for installation (except SIM card)

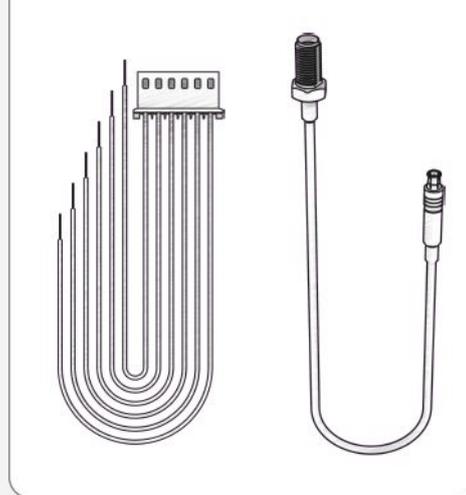
### 3 Package contents



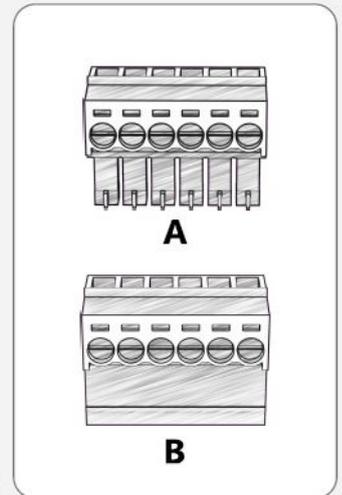
Power supply



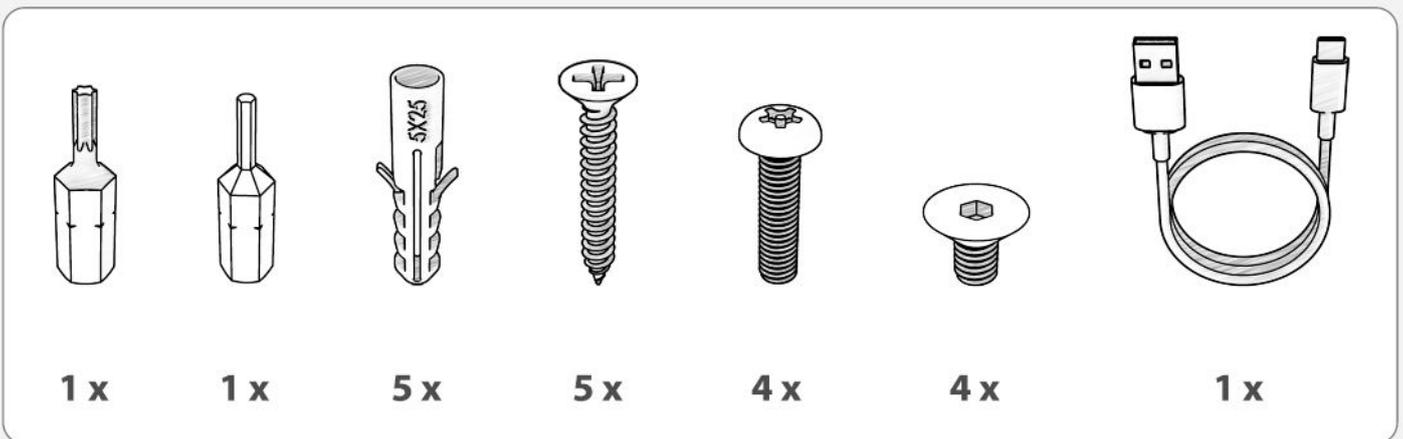
Antenna parts



Main unit parts



System connectors



1 x

1 x

5 x

5 x

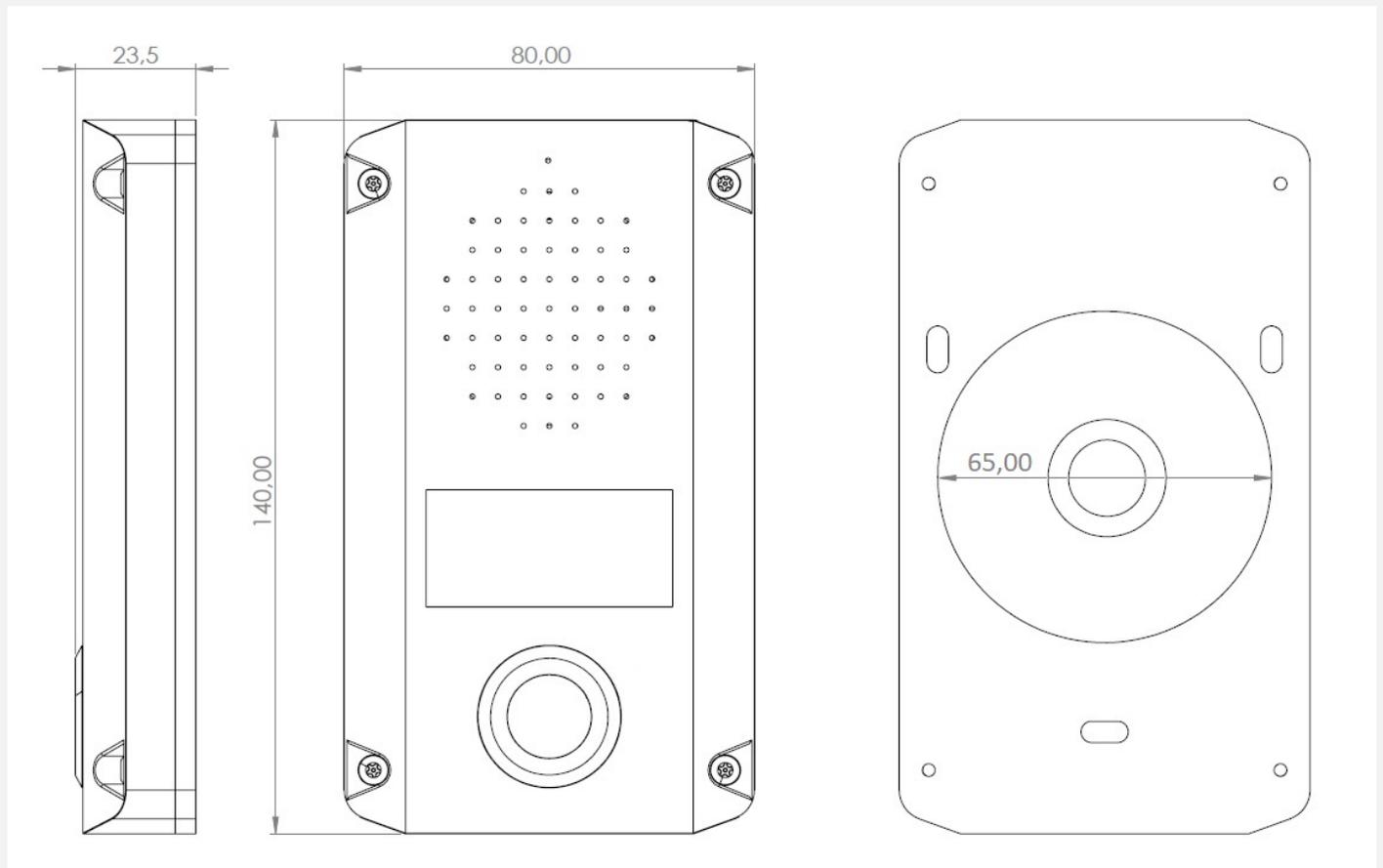
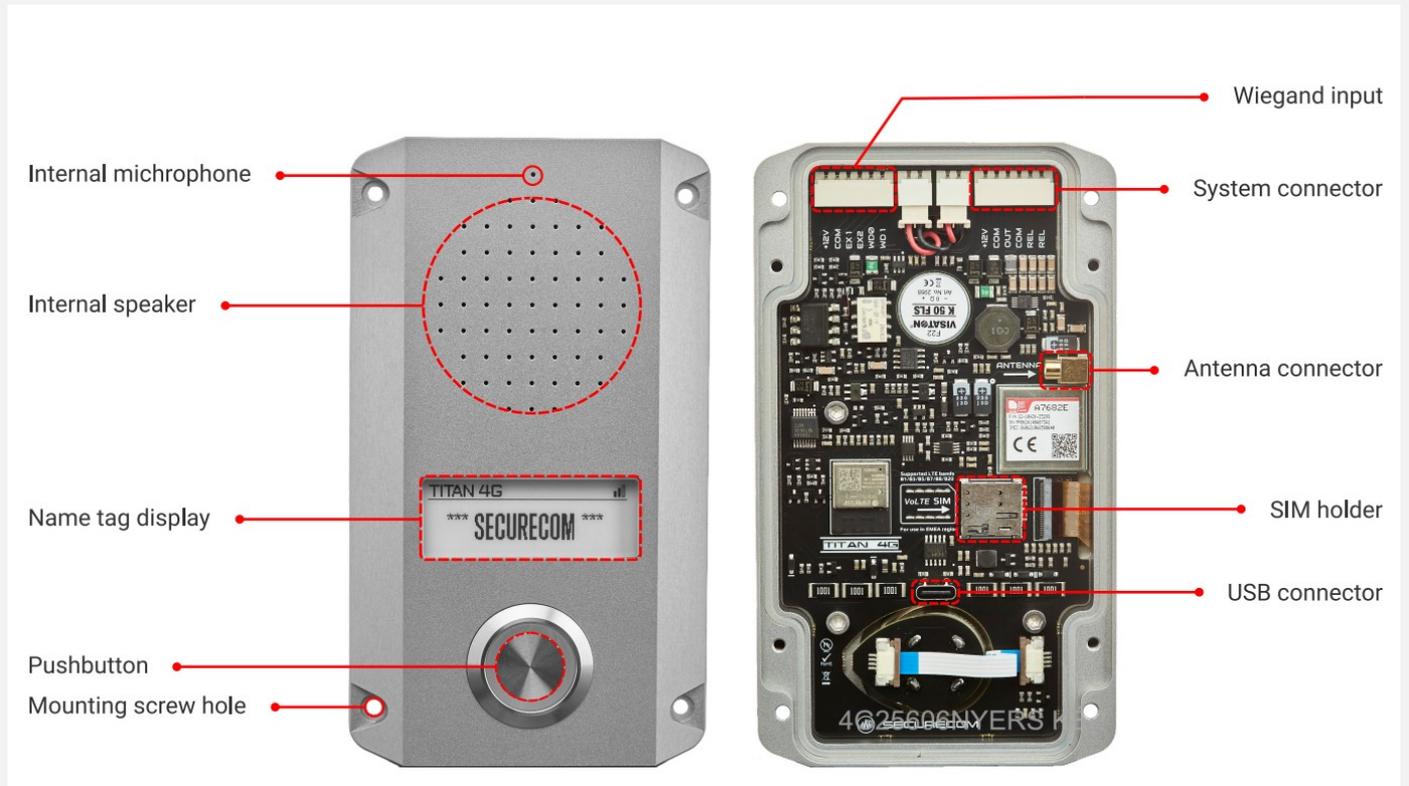
4 x

4 x

1 x

Auxiliary parts

## 4 Appearance



## 5 Operation

### Visitor mode

When the visitor pushes the call button, the device initiates a voice call to the configured phone number. If the called party accepts the call, the communication establishes for the configured duration. A new call is initiated only if the button is pressed again.

### Listening mode

The intercom unit can be called from the telephone numbers assigned to the telephone push-button. In this case the unit will answer the call without ringing and the voice connection will be established. If the call is made from another telephone number, the intercom will reject the call.

### Remote control by caller ID recognition

When an incoming call is received from a phone number assigned to this function, the device identifies the caller number and executes the assigned control. Caller numbers can be entered in the settings. Since the unit has 2 controllable outputs, it is possible to select which output is controlled by a call.

### Remote control via mobile APP

By downloading the PULOWARE mobile app, the unit's outputs can also be controlled from a smartphone by assigning the unit's device ID and having the appropriate authorisation.

### Local control via Wiegand input

The outputs can be locally controlled from an external code lock, either with a fixed code or RFID tag, with up to 4 permanent users. The Wiegand input can accept the following standard formats: 8-bit keystroke, 26-bit, 32-bit, 34-bit codelock and RFID reader.

A special feature is that 4 additional temporary user codes can be added remotely via App or SMS, with a set validity period.

## 6 Status display

### Fault indications

In the event of an operating or setting error, the error message appears on the display with a red background light.

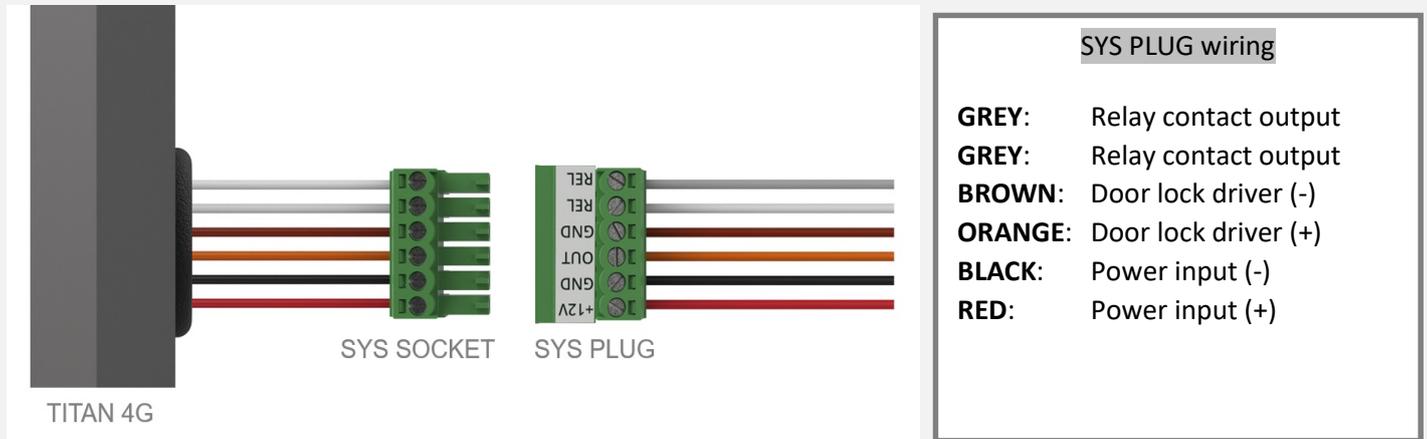
### Forward incoming SMS messages

The unit forwards the SMS messages received on its SIM card (e.g. balance information in case of a prepaid card) to the first configured phone number. After forwarding, the received message is deleted from the SIM card.

## 7 Connecting the device

### SYSTEM cable

The intercom has an internal system socket to which an interface cable is connected, and the cable is wired out of the device case. The cable terminates in the terminal block shown in the drawing.



### Electrical parameters of the SYSTEM terminal block

Function	Voltage	Current	Note
Power input	9-30 VDC	max. 0.5 A	for door lock control, max. 1.5 A
Door lock driver	same as the supply voltage	max. 1 A	
Relay contact	dry contact, max. 60 VDC	max. 1 A	

### WIEGAND cable

To connect a local electronic code lock or RFID reader to the intercom, use the following WIEGAND cable. The cable is not included in the package, on request it can be ordered separately.



The Wiegand input can accept the following standard formats: 8-bit keystroke, 26-bit, 32-bit, 34-bit codelock and RFID reader.

## 8 Setup

Before installation, check that the following conditions are met:



Please read this entire manual before installing this product!



Make sure the 4G mobile network coverage at the installation site is sufficient!  
Allow sending caller ID must be enabled!



This product requires a regular voice SIM card.  
**Do not use a data only SIM, as this will not work in the unit!**  
In order to make voice calls on a 4G system, your SIM and provider will need to offer VOLTE support (Voice over LTE)!



Set up and test the device in the workshop, before installation on site!

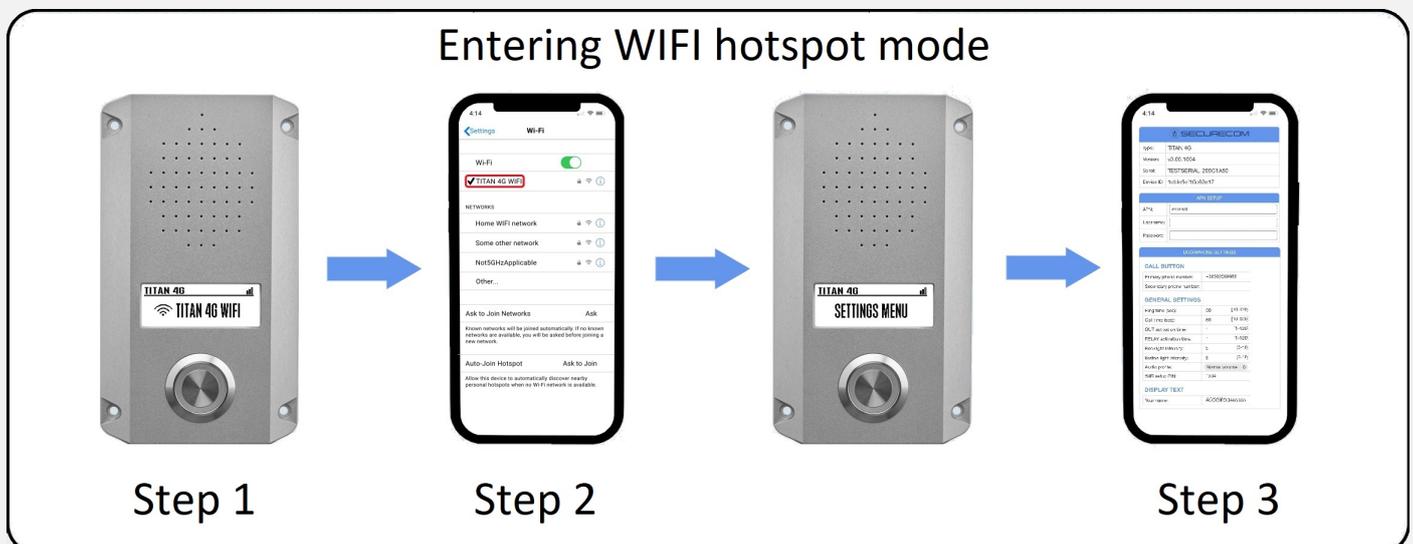
There are two ways to set up your device locally: on your smartphone or on your PC or notebook.  
In both cases, you can set it up conveniently and efficiently.

### Setting up with smartphone via the device's own website

**This is the preferred method because it is simple, convenient and works well even when the unit is already mounted on the wall!**

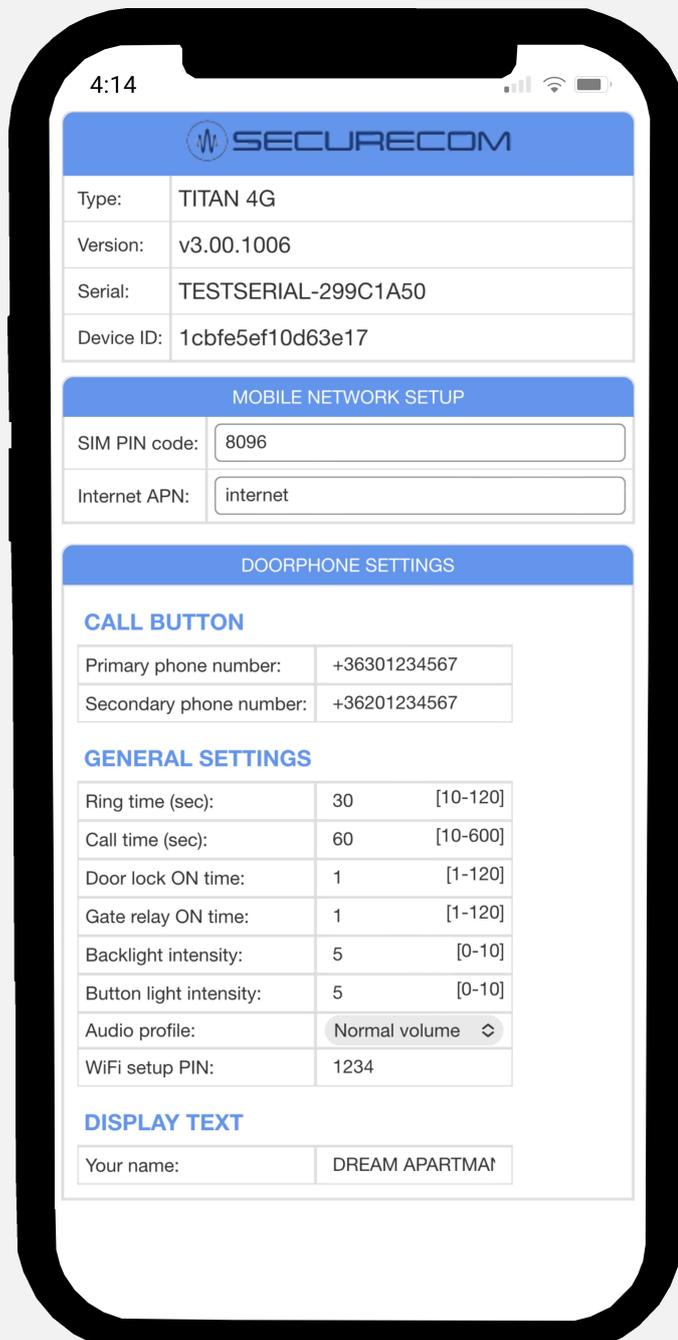
To start the settings, the device must be in WIFI hotspot mode.

1. Press and hold the call button for at least 10 seconds to enter hotspot mode.
2. It will then blink rapidly, indicating that it has entered setup mode and it is broadcasting a network called TITAN 4G WIFI. Then connect to this network!
3. After a few seconds, the device will enter the SETTINGS MENU and the following screen will appear.



**Your new device is not password-protected, so set a WIFI setup PIN to prevent unauthorised access the first time you set it up!**

To view the full settings, scroll up the screen. To enter the settings, tap the data field and enter the desired value. The window next to the phone picture explains the settings. After entering the settings, press the SAVE button to return to normal mode.



#### INFORMATION

The device ID code is required for the mobile APP and remote management.

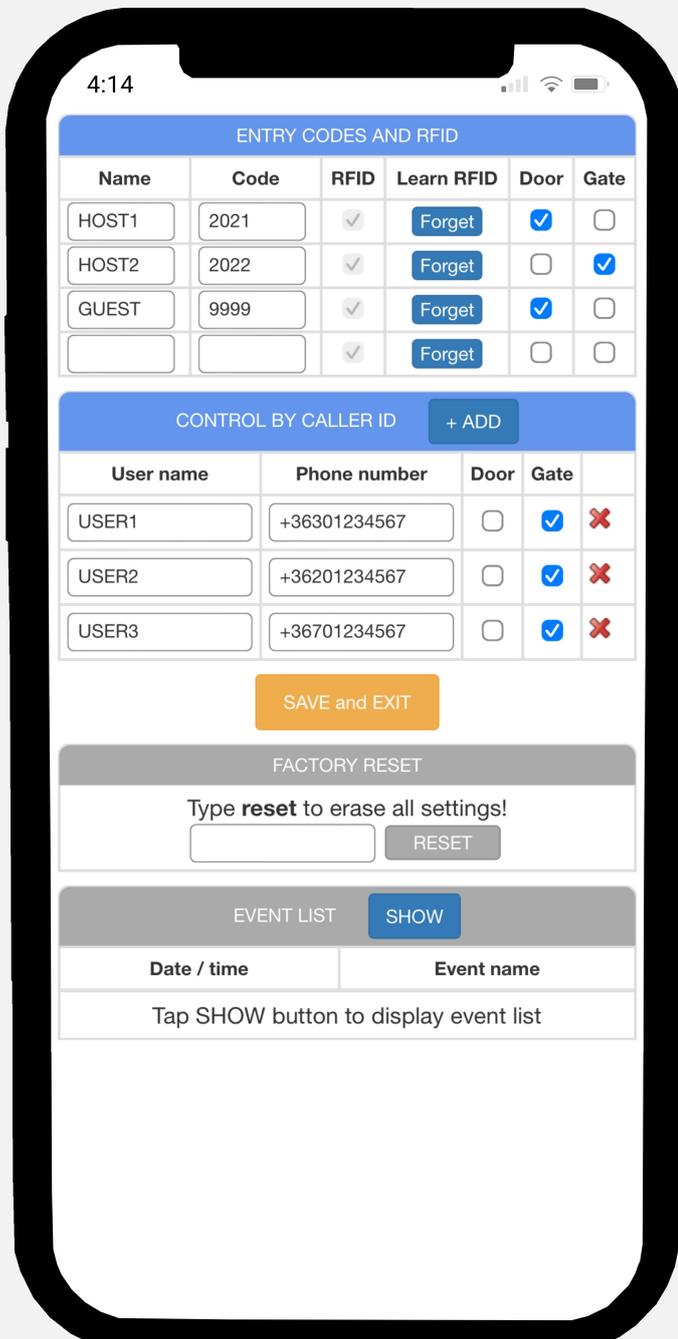
#### MOBILE DATA CONNECTION

To connect to the PULOWARE mobile APP or to access your device remotely, you need to connect your device to the mobile internet.

#### CUSTOM USER SETTINGS

If the primary number is not answered, call the secondary number.

- Duration of the phone ringing
- Duration of the phone call
- Door lock activation time
- Gate control relay activation time
- Backlight= OFF, in case of 0
- Button light= OFF, in case of 0
- 3 volume level
- Setup with WIFI hotspot mode can be protected by PIN code
- The name shown on the display



#### for LOCAL ACCESS CONTROL SETUP

The outputs can be locally controlled from an external code lock, either with a fixed code or RFID tag, with up to 4 permanent users. 4 additional temporary user codes can be added remotely, with a fixed validity period.

#### for REMOTE ACCESS CONTROL SETUP

Remote control of outputs can be done by phone call with caller ID recognition, up to 20 users.

#### SAVE SETTINGS

Touch the SAVE button to save the settings and return to normal operation. Enter the word reset to return to factory settings.

#### ACCESS TO THE EVENT LIST

Touch the SHOW button to view the list of events on your device.

## Setting up with PC software via USB

**In this setup mode, you need to remove the intercom from the wall and unscrew the back cover, as the USB port is inside the device!**

- The intercom is configured using the SecurecomConfigurator application via USB connection. The program can be downloaded from <https://www.securecom.eu/en/application-notes>
- Install the SecurecomConfiguratorSetup.exe (on MS Windows 10, 11).
- After installation, run the SecurecomConfigurator application and connect the intercom to your computer using the USB cable provided.
- Select the new communication port on the application that the system has created for the USB connection. If you cannot find it, go to Windows -> Device Manager and identify it.

Once connected, you will see the following screen to enter your settings.

ACCOUNT: info@securecom.eu **LOGOUT** OPERATOR: Administrator EN FR SP HU IT GR

### DEVICES

SINGULAR WIFI	[e0535f79d05ae1d9]	✓
DEMO DOOR MASTER 3	[366029e0c6e91f1b5]	✓
Tokay 3MT	[1c0a7e05e9073f1c4]	✓
Sfűtő ház	[8c754267c1141cc5]	✓
AKSD táviráz gépjáráz	[1b39c0f1101105b5]	✓
ECSTOW Gámsóni	[1f76a4c1010123f10]	✓
Árkáyi Kapu	[000a00715b819330]	✓
Szászvá Therm	[95127ba02e89e01c4]	⊖
Csokolai Kapu	[70c7e20112e92e9f]	⊖
TITAN 4G (esetl. Csok)	[138e7f03102032f]	⊖
Acer	[3105a121727e019e]	⊖
Szemke garázs	[103601f0b1d910b]	✓
UZZZ VÁRSZÉK	[1112e81e102e102e]	✓
HT - Orsolya v. társaság	[70a113a1102f10]	✓
TITAN	[8781810111a10200]	⊖
	[1211e1e9720120e1]	⊖

TYPE: TITAN 4G  
FIRMWARE: v3.0.1006 ✓  
NAME: TITAN 4G

#### MODULE STATUS

Connection: E-UTRAN (4G) Telekom HU  
Network signal (%): 77 %  
Call button 1: INACTIVE  
OUT: INACTIVE  
RELAY: INACTIVE

#### DOORPHONE SETTINGS

##### CALL BUTTON

Primary phone number: +36301234567  
Secondary phone number: +36201234567

##### GENERAL SETTINGS

Ring time (sec): 30  
Call time (sec): 60  
Door lock ON time (sec): 1  
Gate control ON time (sec): 1  
Backlight intensity: 5  
Button light intensity: 5  
Audio profile: Normal volume

##### DISPLAY TEXT

Your name: DREAM APARTMAN

#### MOBILE INTERNET SETTINGS

PIN code: 8096  
APN: internet  
User:  
Password:

#### TEMPORARY CODES

Code	Availability	Door	Gate
8866	2024. 11. 30.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1122	2024. 12. 31.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

#### ENTRY CODES AND RFID

Name	Code	RFID	Learn RFID	Out[1]	Rel[2]
HOST1	2021	<input checked="" type="checkbox"/>	Learn Forget	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HOST2	2022	<input checked="" type="checkbox"/>	Learn Forget	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GUEST	9999	<input type="checkbox"/>	Learn Forget	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	Learn Forget	<input type="checkbox"/>	<input type="checkbox"/>

#### EVENT LIST

Date/time	Event
2024.09.10 11:35:08	Device restored
2024.09.10 11:33:39	Device lost
2024.09.06 13:34:16	Device restored

#### CONTROL BY CALLER ID

[+ ADD PHONE NUMBER](#)

User name	Phone number	Door	Gate
USER1	+36301234567	<input type="checkbox"/>	<input checked="" type="checkbox"/>
USER2	+36201234567	<input type="checkbox"/>	<input checked="" type="checkbox"/>
USER3	+36701234567	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Number of devices: 16  
Online devices: 10  
Offline devices: 6

[+ ADD DEVICE](#)

**Attention:** Always download the settings to the device to validate changes!

The PC setting allows you to change the same settings as for the WIFI hotspot. If an operational or network anomaly occurs during the operation of the unit, detailed information will be provided in the LAST EVENTS window. For more convenient setup, use WIFI hotspot mode or remote cloud server based WEB access!

## 9 Installation

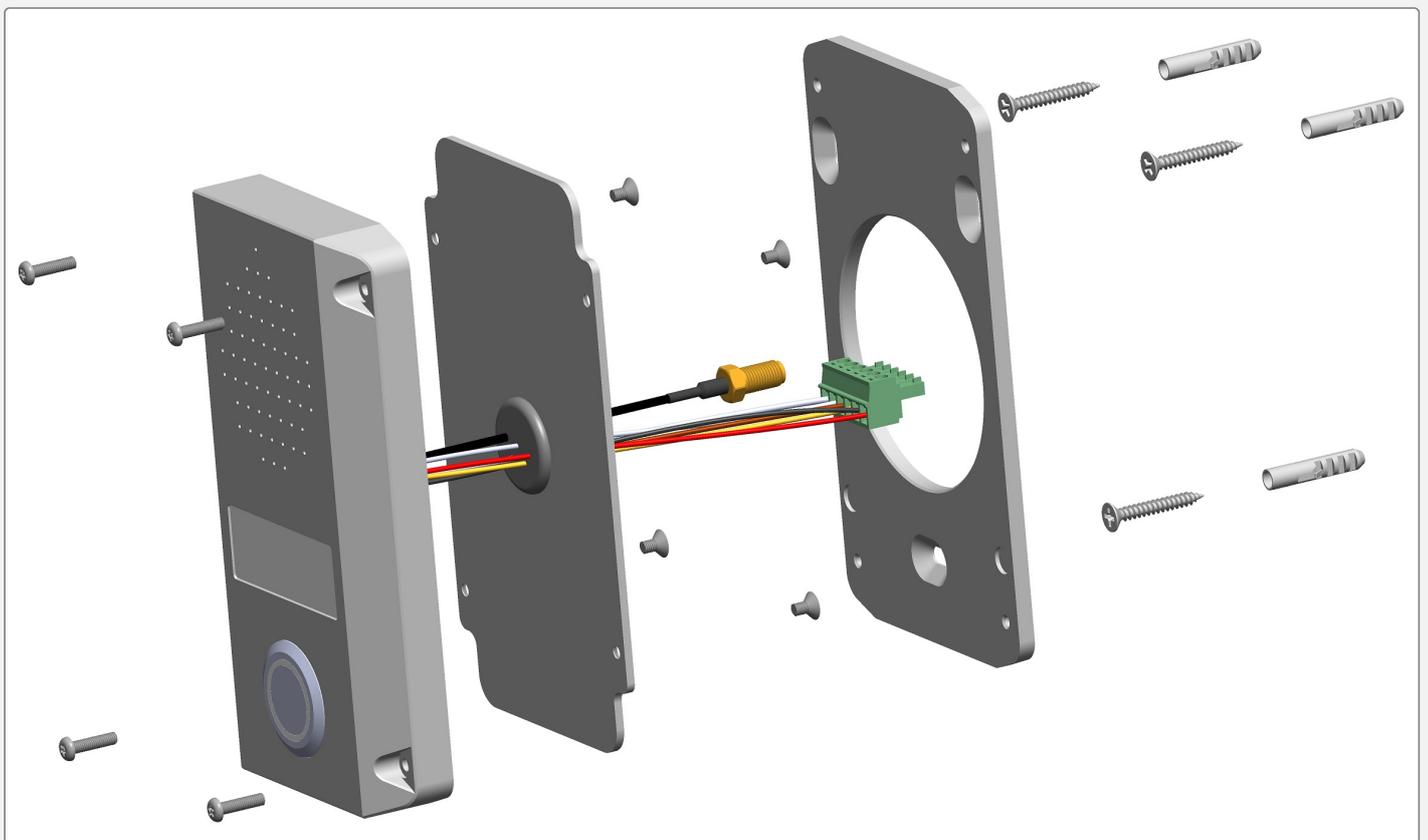
### WARNING

**Attention:** The package includes a 240 VAC auxiliary power supply, so care should be taken when connecting it to avoid electric shock! Only a qualified electrician should connect the high-voltage part to the mains!

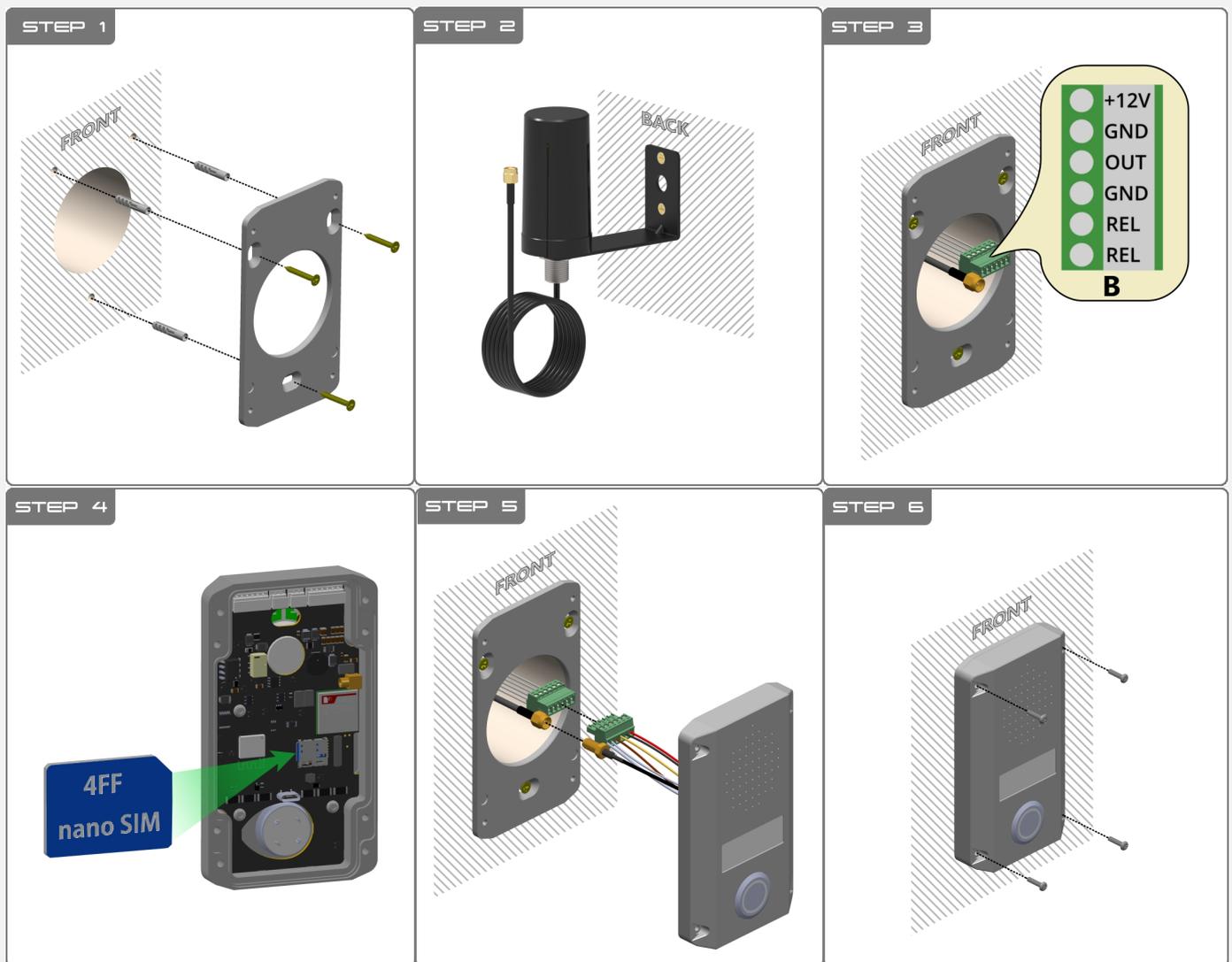
- Mounting, installation and servicing work on electrical devices may only be performed by a qualified electrician. Failure to observe this regulation could result in the risk of serious damage to health or fatal injury due to electric shocks.
- Because of electrostatic charging, direct contact with the circuit board can result in destruction of the device. Direct contact with the circuit board must therefore be avoided at any time.
- Do not install or make any wire terminations while power supply is plugged in. It can cause electric shock or damage to the device.
- Do not connect any terminal on the device to an AC power line. Fire or electric shock could result.

- Use the supplied AC/DC power supply and the wiring and installation must be done by a qualified electrician.
- Do not install the device in any of the following locations. Fire, electric shock, or device trouble could result.
  - Places near heating equipment that varies in temperature.
  - Places subject to dust, oil, chemicals.
  - Places subject to moisture and humidity extremes, such as bathrooms, cellars, greenhouses, etc.
  - Places where the temperature is very low, such as inside a refrigerated area or in front of an air conditioner.
  - Places subject to steam or smoke (e.g. near heating or cooking surfaces).
  - Where electrical noise-generating devices, such as electric motors or inverter electric appliances, are nearby.
  - Locations subject to frequent vibration or impact.
- We are not liable for any damage to property or personal injury caused by misuse or failure to observe the hazard information. In such cases, all warranty claims are void. We are not liable for consequential damage!
- The device shall be used in compliance with local laws and regulations.
- Store the device in a dry and ventilated environment.
- Avoid exposing the device to shocks or heavy pressure.
- Do not install the device on unstable brackets, surfaces or walls.
  - Make sure the material is strong enough to support the weight of the device.
- Use only applicable tools when installing the device.
  - Using excessive force with tools could cause damage to the device.
- Do not use chemicals, caustic agents, or aerosol cleaners. Use a clean dry cloth for cleaning.
- Keep the device more than 1 m away from microwave, radio, TV, wireless router and any other wireless devices.
- On devices with intercom or built-in speaker or built-in microphone or signal transmission functions, keep the wires more than 30 cm away from AC 100-240 V wiring AC induced noise and/or device malfunction could result.
- The device can be damaged if dropped. Handle with care.

## Assembly drawing



## Mounting and wiring



- STEP 1:** Mark the intercom location. Ensure that the antenna cable can be routed, e.g. through a through-hole or cable duct. If possible, install a one-gang junction box behind the intercom (e.g. diameter 65mm, depth min. 60mm), as the small size and IP68 rating of the auxiliary power supply make it suitable for outdoor installation. Drill the appropriate holes and then fix the wall bracket of the device.
- STEP 2:** Use the supplied bracket and screws to fix the antenna in the designated place (e.g. on the other side of the wall) The antenna is suitable for outdoor installation.
- STEP 3:** Carry out the electrical wiring of the AC/DC power supply and the control unit. Connect the appropriate wires to the supplied terminal block (according to the pinout). The terminal block pinout is explained in more detail in the Connecting the device chapter. Make sure the antenna connector is available for installation.
- STEP 4:** Make sure you have the correct SIM card in your device, as described in the Setup section.
- STEP 5:** Hold the device carefully and plug the wall sockets to the intercom sockets. Plug and screw the antenna cable together.
- STEP 6:** Fix the unit to the wall bracket using the supplied security screws.
- STEP 7:** Turn on the power to the power supply.

## 10 Remote management via WEB

All settings of the TITAN 4G intercom can be changed remotely via the PULOWARE cloud server, available at [www.puloware.com](http://www.puloware.com), but registration is required to use the website. Once registered, the device ID of the communicator must be added to the account for management.

After logging in you can see the device settings via WEB in the same way as locally on the intercom site.

ACCOUNT: info@securecom.eu LOGOUT OPERATOR: Administrator EN FR SP HU IT GR

**DEVICES**

SINGULAR WIFI	[e0535f79d05aefd9]	✓
DEMO DOOR MASTER 3	[366029e0c6e9f1b5]	✓
Tokay SMT	[10ea87e5967d749c]	✓
Sfűtő ház	[607d4267c1d443c5]	✓
AKSD táviróz gépház	[182900770211025e]	✓
ESTOW Camson	[8046c101012a510]	✓
Úrkay Kapu	[009c00158a18331]	✓
Szászvá Therm	[99127ba02e8f307e]	⊖
Csokolai Kapu	[10073e0111eae9f]	⊖
TITAN 4G (szűz Csok)	[18e7e030100000]	⊖
Ács	[610540279e8199]	⊖
Szeinkő garázs	[100001001c910b]	✓
TITAN 4G	[1cbfe5ef10d63e17]	✓
VZZA VÁROKAZ	[1010a0e0c0a0e0]	✓
HT - Drága Vrata Zupaj	[787118a010f9d0]	✓
TITAN	[87e1b01112a0700c]	⊖
	[1211e8873b100e4]	⊖

Number of devices: 16  
Online devices: 10  
Offline devices: 6

**+ ADD DEVICE**

**SECURECOM**  
TYPE: TITAN 4G  
FIRMWARE: v3.0.1006  
NAME: TITAN 4G

**LATEST EVENTS**

- 2024.09.10 12:42:06: Phone initialization
- 2024.09.10 12:42:06: Phone power key impulse
- 2024.09.10 12:42:17: CALL #1: +36301234567
- 2024.09.10 12:42:34: Phone: hangup
- 2024.09.10 12:44:10: Forget RFID #4
- 2024.09.10 12:44:10: Config changed!
- 2024.09.10 12:44:18: Forget RFID #3
- 2024.09.10 12:44:18: Config changed!

**MODULE STATUS**

Connection: E-UTRAN (4G) Telekom HU  
Network signal (%): 77 %  
Call button 1: INACTIVE  
OUT: INACTIVE  
RELAY: INACTIVE

**DOORPHONE SETTINGS**

**CALL BUTTON**

Primary phone number: +36301234567  
Secondary phone number: +36201234567

**GENERAL SETTINGS**

Ring time (sec): 30  
Call time (sec): 60  
OUT activation time: 1  
RELAY activation time: 1  
Backlight intensity: 5  
Button light intensity: 5  
Audio profile: Normal volume

**DISPLAY TEXT**

Your name: DREAM APARTMAN

**MOBILE INTERNET SETTINGS**

PIN code: 8096  
APN: internet  
User:  
Password:

**TEMPORARY CODES**

Code	Availability	Out[1]	Rel[2]
8866	2024. 11. 30.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1122	2024. 12. 31.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

**ENTRY CODES AND RFID**

Name	Code	RFID	Learn RFID	Forget	Out[1]	Rel[2]
HOST1	2021	<input checked="" type="checkbox"/>	<input type="button" value="Learn"/>	<input type="button" value="Forget"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HOST2	2022	<input checked="" type="checkbox"/>	<input type="button" value="Learn"/>	<input type="button" value="Forget"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GUEST	9999	<input type="checkbox"/>	<input type="button" value="Learn"/>	<input type="button" value="Forget"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="button" value="Learn"/>	<input type="button" value="Forget"/>	<input type="checkbox"/>	<input type="checkbox"/>

**EVENT LIST**

Date/time	Event
2024.09.10 11:35:08	Device restored
2024.09.10 11:33:39	Device lost
2024.09.10 11:09:34	Device restored
2024.09.09 17:36:29	Device lost
2024.09.09 17:28:49	Device restored
2024.09.09 16:14:29	Device lost
2024.09.09 09:32:21	Device restored
2024.09.06 17:30:46	Device lost
2024.09.06 13:34:16	Device restored

**CONTROL BY CALLER ID** + ADD PHONE NUMBER

User name	Phone number	OUT	RELAY
USER1	+36301234567	<input type="checkbox"/>	<input checked="" type="checkbox"/>
USER2	+36201234567	<input type="checkbox"/>	<input checked="" type="checkbox"/>
USER3	+36701234567	<input type="checkbox"/>	<input checked="" type="checkbox"/>

In addition to changing codes, it is also possible to remotely teach or delete RFID tags.

## 11 Remote configuration via SMS

It is possible to enter temporary codes via SMS message for control from an external code lock (up to 4 codes). The message contains the keyboard code, the expiry date, and the serial number of the controlled output. Only the owner's (the host's) phone number in the first position can send the setup SMS. SMS sent from any other phone number will not be taken into account.

The format of the setting SMS is as follows: **Code ID=Numeric code/Date/Output**

where:

**Code ID** is a serial number of the possible 4 codes. eg. CODE1, CODE2, CODE3, CODE4

**Numeric code** is the user code for code lock control. Maximum 8 digits can be set.

**Date** is the expiry date, until the end of the current day

**Output** is the serial number of the controlled output (**1**: Door, **2**: Gate)

In the example below, we set the temporary code for the first user (CODE1), where the code is 4455, the validity date is 20241231 and the controlled output is the Door.

CODE1=4455/20241231/1