

# 6033

## WiFi control board 230VAC

### INSTALLATION MANUAL



# 6033 WiFi Automation System for 1 Motor 230VAC

The 6033 automation system is the ideal solution for one 230VAC motor, providing the ability to remotely manage the gate or door via a mobile application.

With the 6033 automation system, the user can perform all automation settings and control the door from anywhere through a smartphone and WiFi network.

## GENERAL INFORMATION

The automation control board has been designed for controlling sliding doors / shutters / residential gates operated by 230VAC motors.

It is intended for residential and commercial installations and must be installed by persons with basic technical knowledge of electrical systems and automation.

This device is an automation component and not a complete machine.

The final installation of the door must comply with the applicable safety requirements for the door itself.

The product complies with the essential requirements for safety, electromagnetic compatibility, and radio equipment of the relevant European Directives.

## IMPORTANT SAFETY INFORMATION

- The product must be used and installed only in applications for which it was designed
- Keep these instructions for future reference
- Ensure proper grounding is provided
- Before carrying out any wiring or programming, disconnect the power supply
- A 6A / 30mA residual current device (RCD) must be used for power supply
- Do not modify or alter any parts of the automation system without prior consultation with Profelmnet
- Do not allow children or pets near the door while it is in operation
- Keep remote controls out of reach of children to prevent accidental operation
- Installation, maintenance, or repair must be

carried out by qualified personnel

- Installation of a safety contact for pedestrian protection is mandatory
- Profelmnet, as the manufacturer, reserves the right to modify the product without prior notice
- Any use not described in these instructions is not recommended
- Installation must be carried out with the power supply disconnected
- The device must be used only with active safety devices (e.g. photocells or safety edge) to ensure safe door operation
- After installation, a complete door travel test must be performed
- Do not operate the door if people, animals, or objects are present in its path
- Before use, the installer must ensure that the door moves freely and without mechanical resistance

The product must not be disposed of with household waste, in accordance with Directive 2012/19/EU (WEEE).

## TECHNICAL SPECIFICATIONS

- Operating voltage: 230VAC 50Hz
- Motor output: 230VAC
- Accessories output: 12-24VAC / DC
- Operating temperature: -20°C to +60°C
- Remote control receiver: Rolling code or Fixed code, depending on the model

## MANDATORY USE OF PHOTOCELLS

For safe operation of the door, the installation of photocells is mandatory in every new automation installation.

Operating the door without active safety devices makes the system non-compliant with EN 12453 safety requirements.

The door must not operate without an active photocell.

If the photocells are not connected or are not operational, the system must be used only in manual mode.

## OPERATIONAL TEST PROCEDURE

After installation:

1. Check that the door moves smoothly without obstruction
2. Verify correct operation of the photocells
3. Check the limit switches
4. Perform 5 complete opening and closing cycles
5. Ensure that the manual release mechanism operates correctly

## INSTALLATION RESPONSIBILITY

Profelmnet bears no responsibility for the final installation of the door, nor for improper or incomplete use of the product.

Correct installation and adjustment of safety devices (photocells, safety contact, motor force settings) are the responsibility of the installer or the individual completing the installation.

Operating the door without installed safety devices is prohibited and may result in injury or damage.

Profelmnet supplies only the automation equipment and is not the manufacturer of the final door or gate.

Profelmnet bears no responsibility for the availability, operation, or changes of third-party cloud platforms (Tuya, Google Home, Amazon Alexa).

## CE DECLARATION OF CONFORMITY



According to Directive 2006/42/EC (Machinery Directive), the manufacturer: L. PSARROS & SIA OE declares that the following product: 6033 – WiFi Automation System for 1 Motor 230VAC is an automation component and not a complete machine, and complies with the requirements of the following European Directives:

- 2014/53/EU – Radio Equipment Directive (RED)
- 2014/30/EU – Electromagnetic Compatibility Directive (EMC)

The integrated WiFi radio module complies with Directive 2014/53/EU (RED) and operates in the 2.4GHz and 5GHz frequency bands in accordance with European regulations.

Final installation and commissioning are permitted only when the complete system complies with Directive 2006/42/EC.

## MANUFACTURER CONTACT DETAILS: PROFELMNET L. PSARROS & SIA OE

### Address:

11 Proedrou Drakaki Street  
17341 Agios Dimitrios  
Athens, Greece

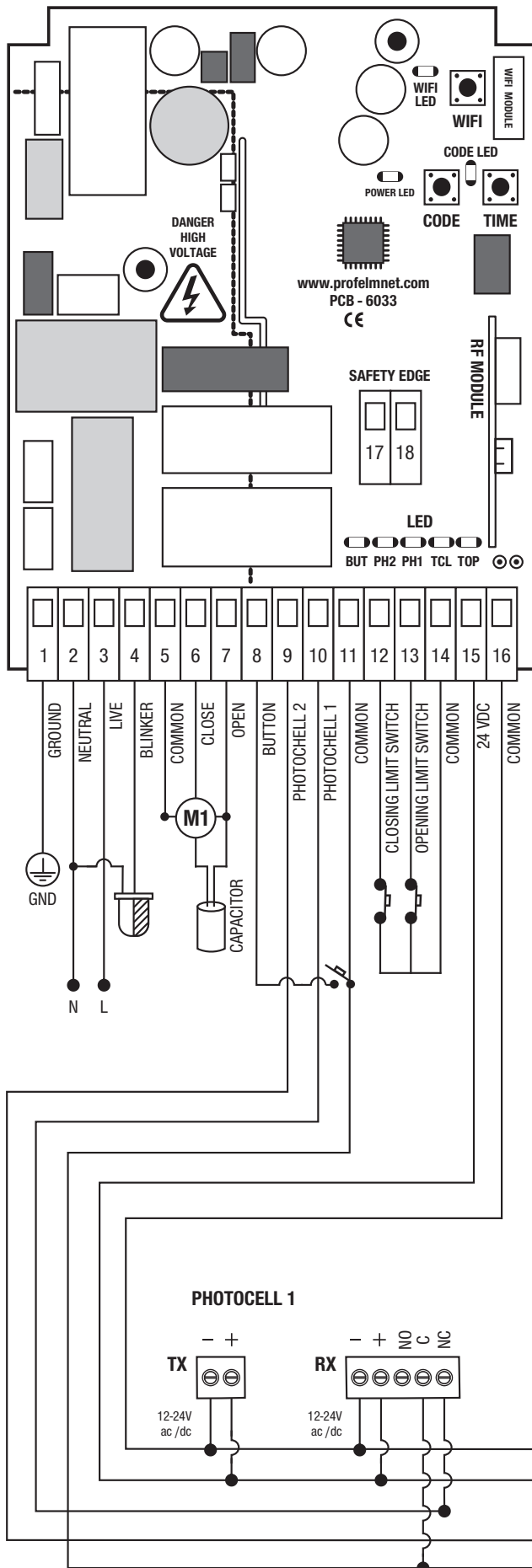
### Phone:

+30 210 9850244  
+30 697 4894108  
(Technical Support)

### Email:

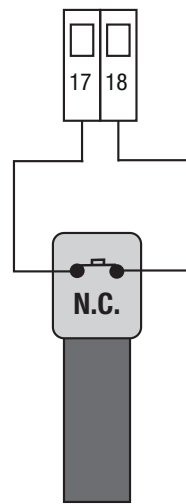
info@profelmnet.com

# 6033 WiFi control board 230VAC

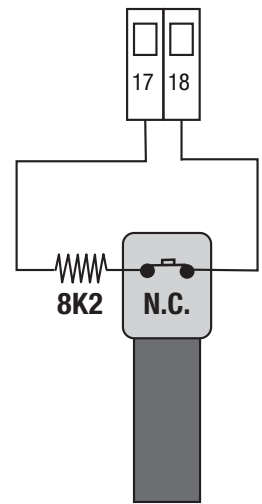


## SAFETY EDGE WIRING

MECHANICAL SAFETY EDGE  
(NC CONTACT)



SAFETY EDGE TYPE 8K2



## TECHNICAL CHARACTERISTICS

Power Supply	230VAC /50 Hz
Max Motor Power	1200W
Box Dimensions	10cm X 14.50cm X 5cm
Control board Dimensions	8.5cm X 10.5cm X 00.5cm
Fuse	230VAC 5A
Fuse	24VDC 150mA
Blinker Light power supply	230VAC
Photocell power supply	24VDC/ 100mA
Remotes Memory	300 remotes
WiFi protocoll	IEEE802,11/2,4GHz
Frequency	433,92MHz
Temperature	-20°C + 60°C

## ELECTRICAL WIRINGS

1	Earth
2	Neutral
3	Live
2+4	Blinker
5	Common Motor
6	Close Motor
7	Open Motor
8+11	Button N.O.
9+11	Photocell 2 N.C
10+11	Photocell 1 N.C
11	Common
12	Closing Terminal Switch
13	Opening Terminal Switch
14	Common
15	Power Supply 24VDC
16	Common
17+18	Safety Edge NC/ 8K2

Compatible with:



Compatible with:



Powered by:



6033 WiFi control board 230VAC  
is certified by:



**THE POWER TO MOVE**

Easy, Simple and Smart From Everywhere!

## Download the Tuya Smart Application

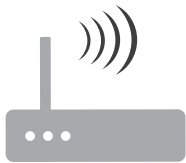


### CONNECTION WITH TUYA SMART APPLICATION

Connect your smart device to your Wifi network and download the Tuya Application through Google Play or Apple store



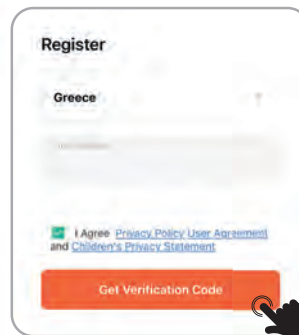
Mobile Phone



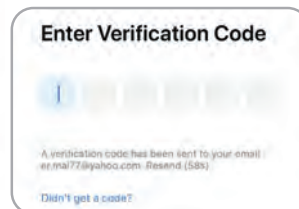
Wireless Router



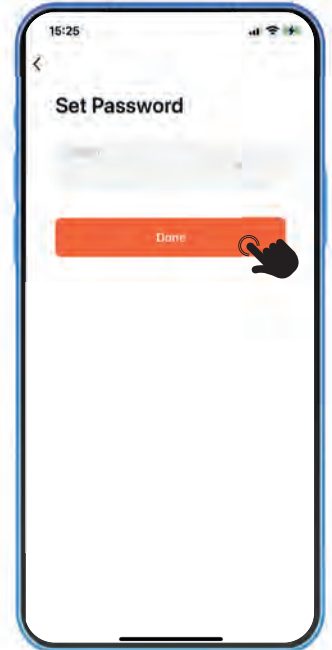
- 1 Press Sign Up for new account



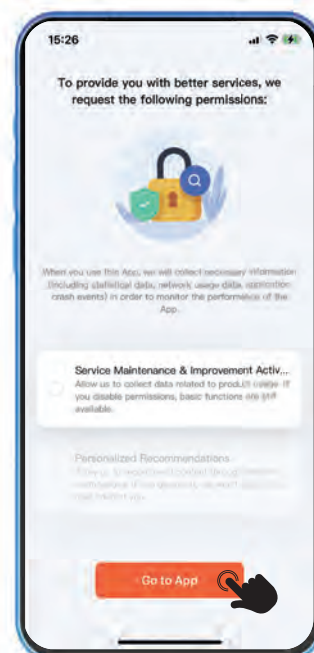
- 2 Fill your email and press Send verification code



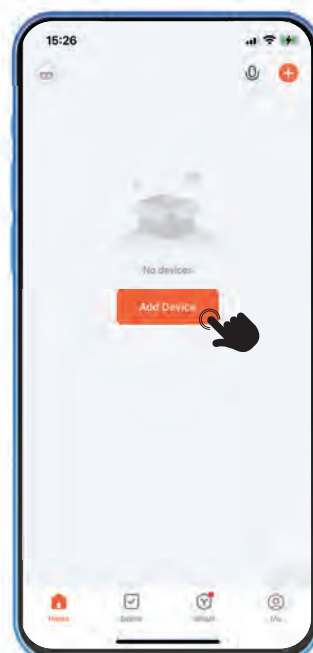
- 3 Send Verification Code



- 4 Set your Password



- 1 Give permission and press GO TO APP



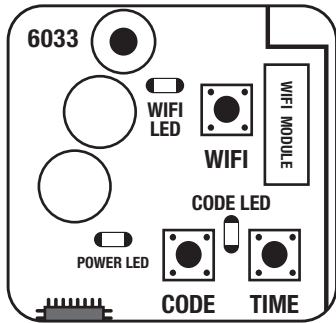
- 2 The account has been successfully created

## Pairing with the 6033 control board



### NECESSARY PREREQUISITE FOR COMPATIBILITY

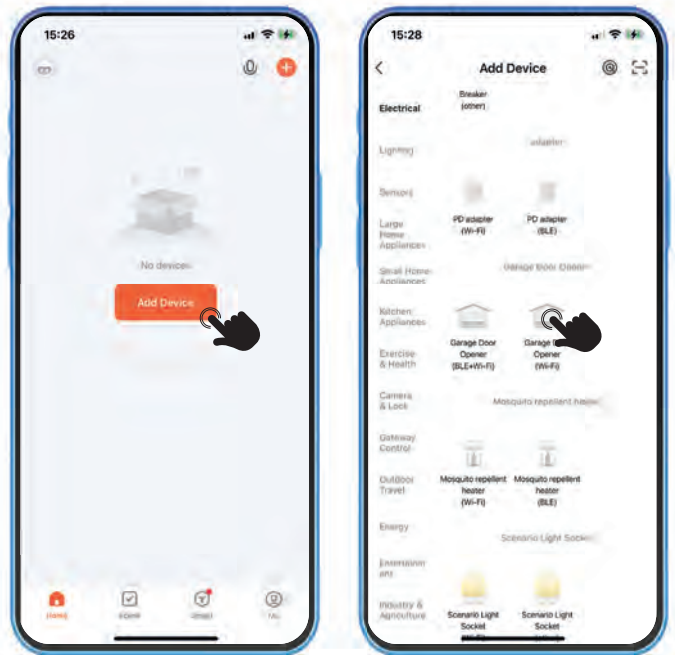
Your router MUST support 2.4GHz Wi-Fi. If your router has a 2.4GHz and 5GHz connection option, connect only to the 2.4GHz.



### Power the 6033 control board

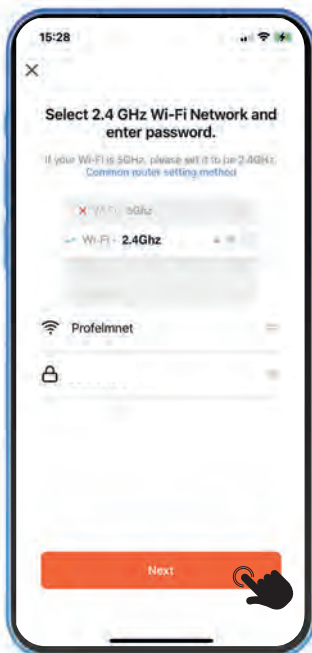
The blue LED indicator of the board will start flashing rapidly.

Otherwise, hold and press firmly on the WiFi button of the board until the blue LED indicator starts blinking



1 Go to Tuya application and press Add Device

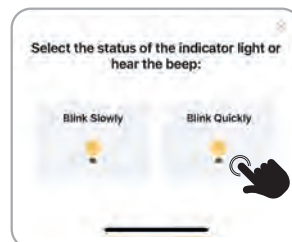
2 Choose the GARAGE DOOR OPENER (Wi-Fi)



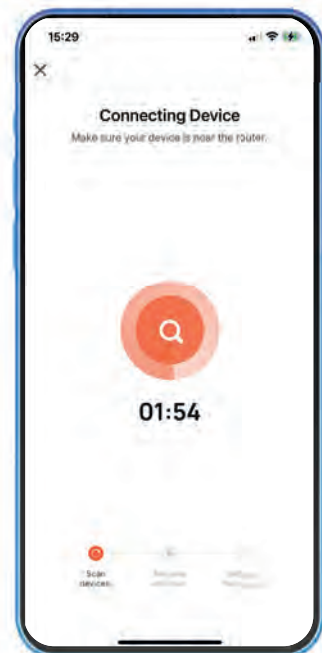
3 Complete the Username and Password of the WiFi network



4 Press the confirmation messages successively



5 Choose Blink Quickly



6 Connecting Device

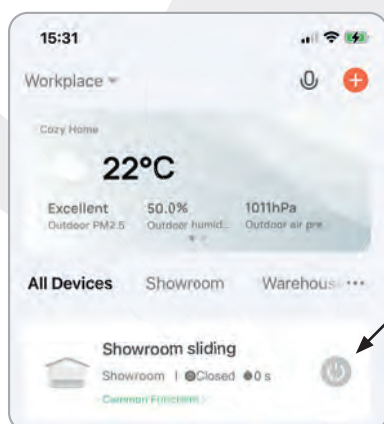
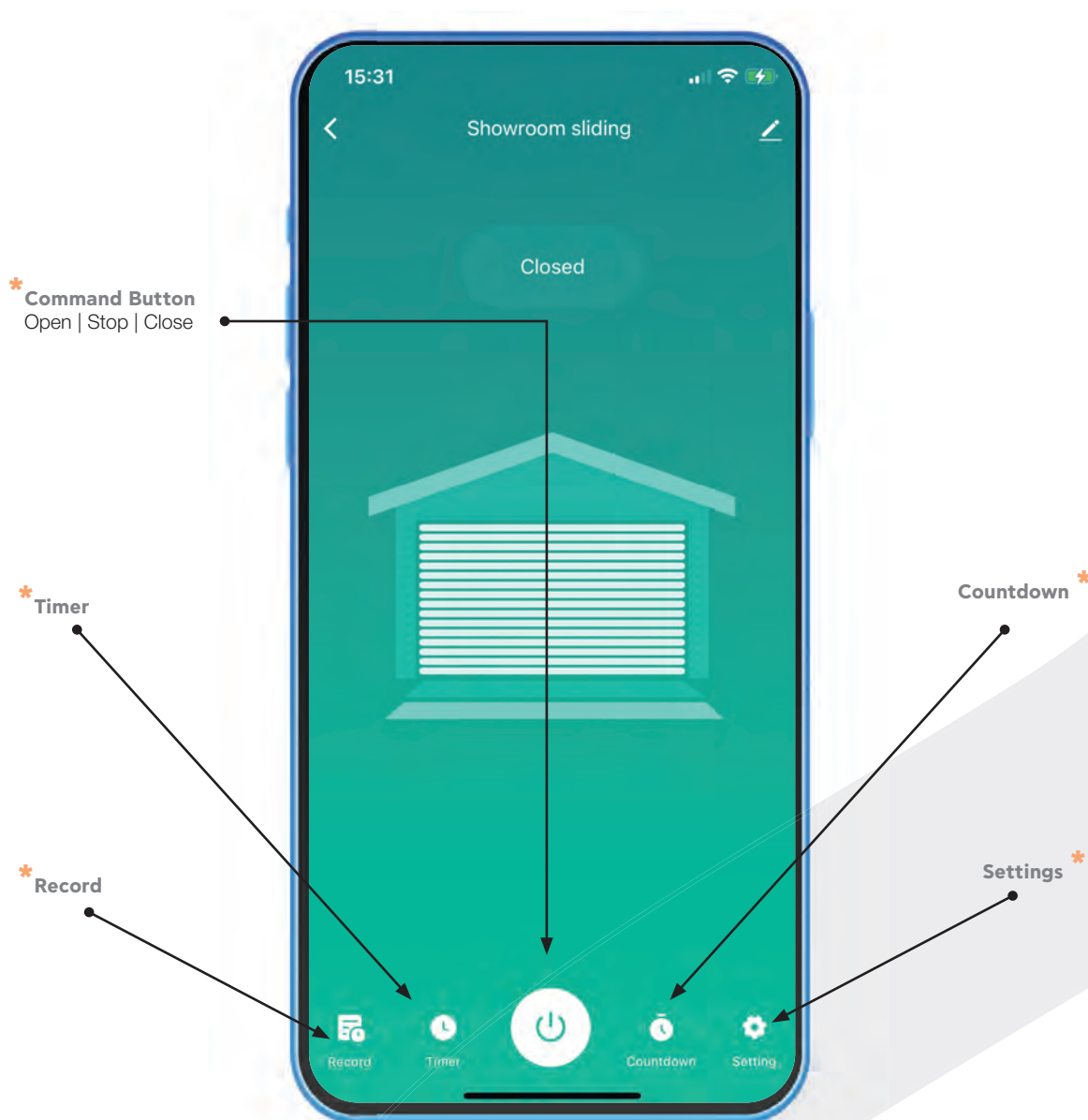


7 The 6033 control board is being synchronized



8 The 6033 control board is ready

## Home Page 6033



All devices  
main page

Quick Command

- **Green:** Is open
- **Grey:** Is closed

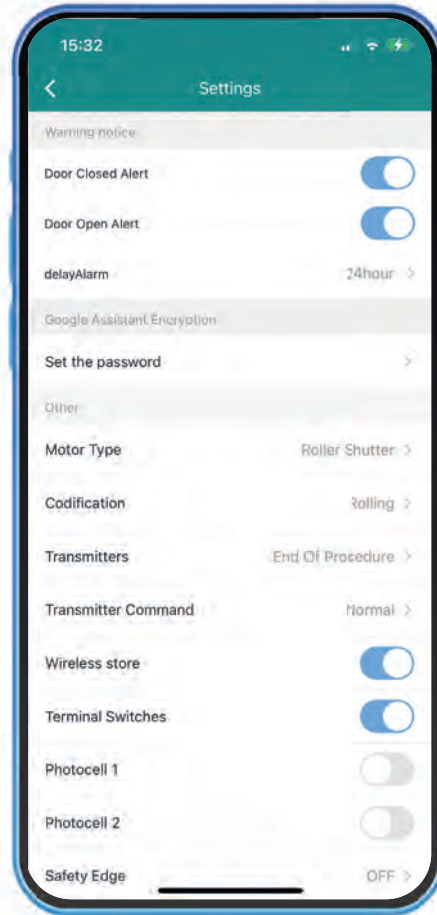
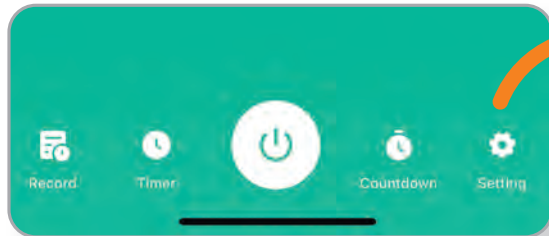




## 6033 configuration menu

In home page, select 'Settings' for 6033 board configuration

 **Settings**



Functions	Selections / Values	Description
Notification of the closed position	ON / OFF	Notification of the closed position
Notification of the open position	ON / OFF	Notification of the open position
Delay alarm	Not used	
Google Assistant Security Code Enter your personal security Code	4 digit code	In order to execute a voice command with GOOGLE ASSISTANT, you have use this 4-digit code for security
Working Time Indication	-	Indication of the selected working time
Motor Type	<ul style="list-style-type: none"> <li>• Sliding</li> <li>• Swing</li> <li>• Barrier</li> <li>• Roller Shutter</li> <li>• Deadman Roller Shutter</li> <li>• 2-channels Roller shutter</li> </ul>	Select based on the installation
Codification	<ul style="list-style-type: none"> <li>• Rolling</li> <li>• Open Rolling</li> <li>• Fixed</li> <li>• Profelmnet</li> </ul>	Select based on the remotes
Transmitters	<ul style="list-style-type: none"> <li>• Save transmitter</li> <li>• Save pedestrian transmitter</li> <li>• Deletion</li> <li>• End of process</li> </ul>	See below the procedure number 1
Transmitter Command	<ul style="list-style-type: none"> <li>• Normal</li> <li>• Only open</li> </ul>	Normal: Cycle remote command (Open-Stop-Close) Only Open: Remote command ONLY OPEN

Functions	Selections / Values	Description
Remotely New Remote Addition	ON/OFF	Remotely new Remote Addition
Terminal Switches	ON/OFF	
Photocell 1	ON/OFF	Protective Photocell 1. When it is activated, the gate is not closed.
Photocell 2	ON/OFF	Freeze Photocell 2. When it is activated, the gate is freeze.
Safety Edge	<ul style="list-style-type: none"> <li>Deactivate</li> <li>8K2</li> <li>NC</li> </ul>	<p>Once the safety edge is activated, the gate stops and moves back 10 cm.</p> <p>8K2: Use resistance 8,2K<math>\Omega</math> for safety edge control</p> <p>NC: Use NC contact for safety edge control</p>
Polarity	<ul style="list-style-type: none"> <li>Clockwise</li> <li>Counter Clockwise</li> </ul>	Select based on the installation
Button	<ul style="list-style-type: none"> <li>Deactivate</li> <li>Normal</li> <li>Only Open</li> </ul>	<p>Normal: Cycle button command (Open-Stop-Close)</p> <p>Only Open: Button Command ONLY OPEN</p>
Reverse Movement	ON/OFF	Select based on the installation
Brake	ON/OFF	Select based on the installation
Lamp	<ul style="list-style-type: none"> <li>Flash</li> <li>Steady Light</li> </ul>	Flash: Gate status indicator Steady Light for 3 minutes after latest command
Auto-closing Transit	0s-180s	Auto-Close transit for Photocell 1
Auto-closing Stand-by	0s-180s	Auto-Close stand by for Photocell 1
Slow Movement	<ul style="list-style-type: none"> <li>ON motor &lt; 500W A</li> <li>ON motor &lt; 500W B</li> <li>ON motor &lt; 500W C</li> <li>ON motor &gt; 500W A</li> <li>ON motor &gt; 500W B</li> <li>ON motor &gt; 500W C</li> <li>Deactivate</li> </ul>	<p>Default values</p> <p>Motor &lt; 500W choice A</p> <p>Motor &gt; 500W choice A</p>
Normal Force	1-10	A higher value corresponds to a higher power of the motor ( normal movement)
Slow Force	1-10	A higher value corresponds to a higher power of the motor ( slow movement)
Initial Force	<ul style="list-style-type: none"> <li>Normal</li> <li>Maximum</li> <li>Soft</li> </ul>	<p>Normal: Starting Force is same with motor power</p> <p>Maximum: Starting force is the maximum</p> <p>Soft: Starting Force is soft</p>
Operating time	<ul style="list-style-type: none"> <li>Set operating time</li> <li>Set pedestrian operating time</li> <li>End of process</li> </ul>	See below the procedure number 2
Add transmitters serial number	Type the 8 digits	For security reasons, this is only for certified Profelmnet installers
Test Command	<ul style="list-style-type: none"> <li>Open</li> <li>Stop</li> <li>Close</li> </ul>	Test the configuration



### Procedure number 1: REMOTES

#### SAVE TRANSMITTERS

**Through 6033 board:** Press the CODE button until the red indicative LED turns ON. Release immediately the CODE button and press the transmitter's button. The red indicative LED blinks once as an indication of successful saving.

**Through application:** Settings => Transmitters => Save Transmitter => OK=> Press the Transmitter you want to save in sequence => Transmitters => End Process

#### SAVE PEDESTRIAN TRANSMITTERS

**Through 6033 board:** Press the CODE button continuously until the red LED starts blinking. Then release the code button and immediately press the remote button. Then release the code button and press immediately the remote button. The red indicative LED blinks once as an indication of successful saving of pedestrian remotes

**Through application:** Settings => Transmitters => Save pedestrian Transmitters => OK=> Press the pedestrian Transmitters you want to save in sequence => Transmitters => End of process

#### DELETION

**Through 6033 board:** Press CODE button continuously. The red indicative LED turns ON. Keep pressing CODE button until the red indicative LED goes COMPLETELY OFF. Release CODE button. The memory is erased.

**Through application:** Settings => Transmitters => Deletion => OK



### Procedure number 2: OPERATING TIME

#### SET OPERATING TIME

**Through 6033 board:** While the gate is fully closed, press and keep the TIME button of the control board pressed until the gate goes to fully open position. Then release it. The operating time is saved.



it is supported only in case of external terminal switches installed.

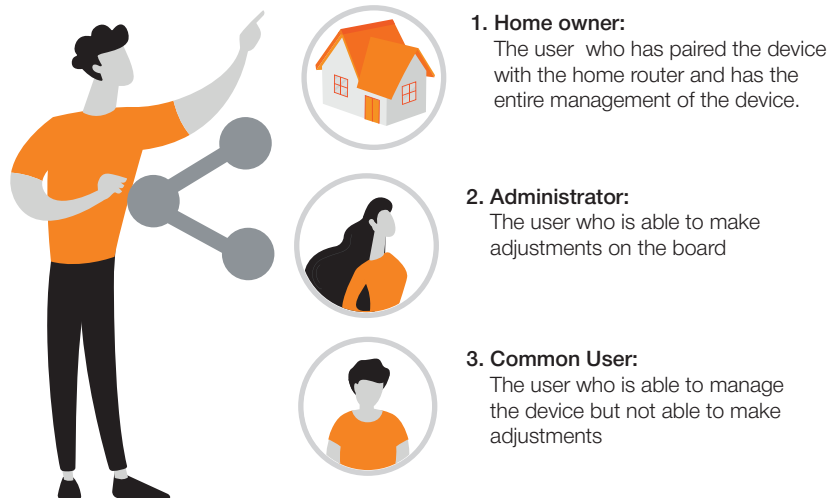
**Through application:** Settings => Operating Time => Set operating time => OK=> The gate starts moving => Set operating time => End of process => OK


#### SET PEDESTRIAN OPERATING TIME

**Through 6033 board:** While the gate is fully closed press the TIME button until the red led is turned ON release the button and press it again steadily for as long as you want the pedestrian time.

**Through Application:** Settings -> Operating time -> Set Pedestrian Operating Time -> OK -> The gate starts moving -> Operating Time->End of process -> OK


## Different type of users

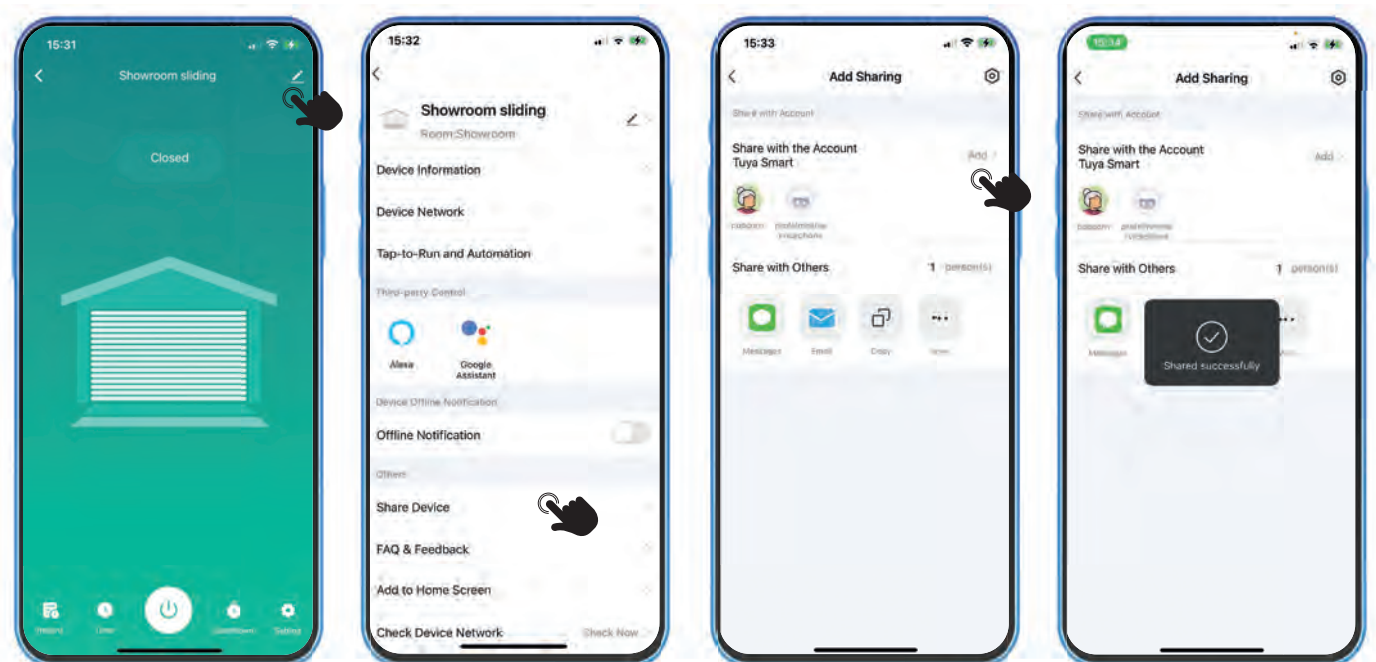


 The home owner can divide the 6033 control board into administrators or users depending on the degree of access they want to have to the control board

**TIP:** The user you will share access with must have a TUYA SMART app account.

## Device Sharing

 **SHARE ACCESS**  
You can share access with family members or friends, allowing them to control the devices you want



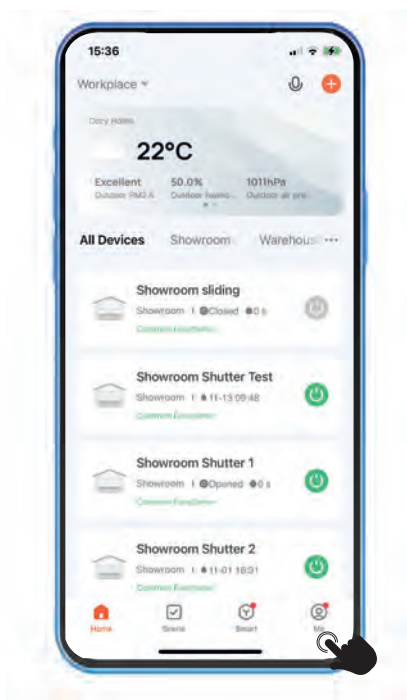
1 Go to home page and select the command as the image above shows

2 Select Share Device

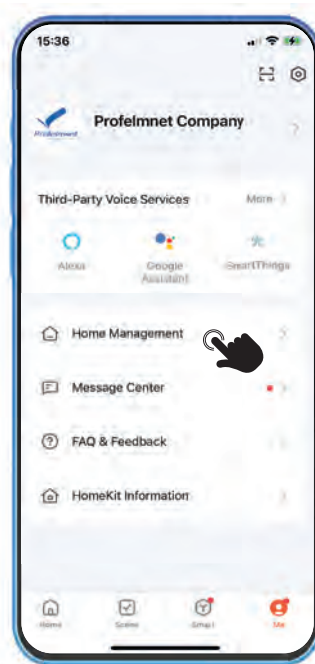
3 Choose ADD and type the TUYA account you want to share

4 The device sharing is complete. The new user is able to see your device

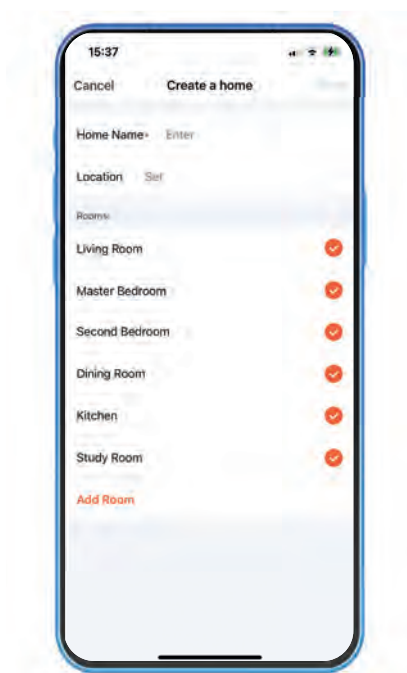




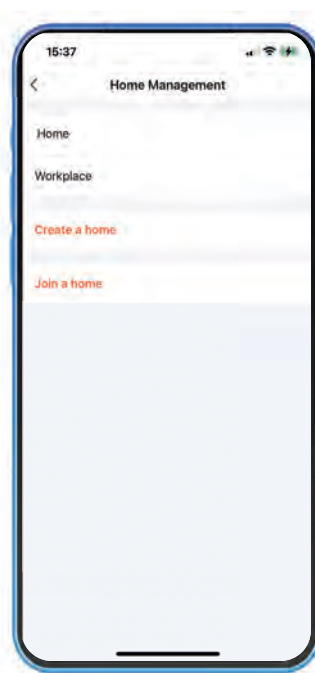
1 Select Profile



2 Select Home Management

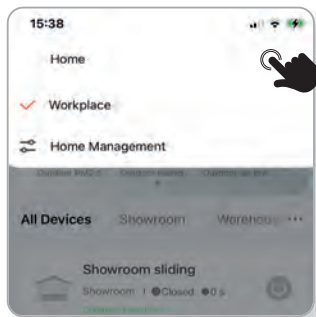


3 Create your HOME

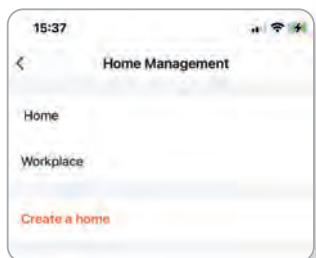


4 Your HOME is created

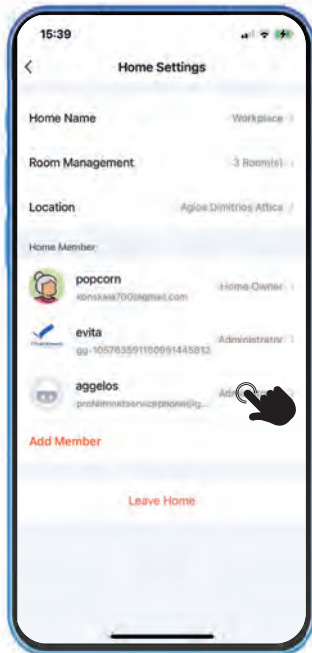
## Sharing a HOME



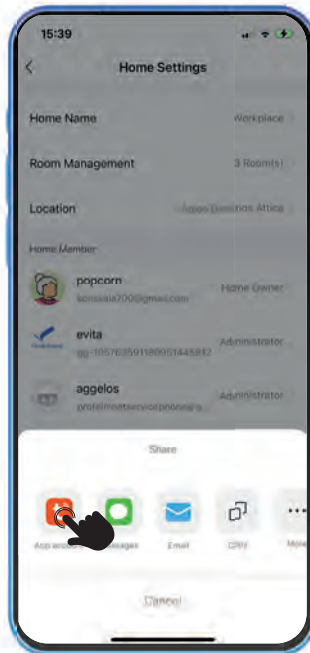
1 On main page, select the home management



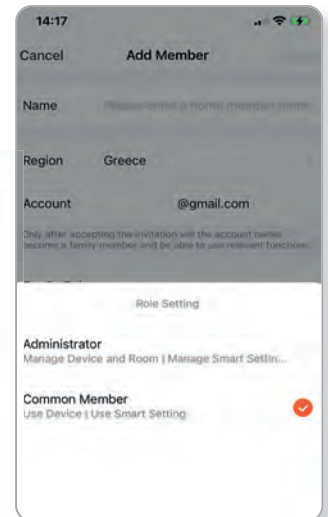
2 Choose the home you want to share



3 Choose Members Addition



4 Choose the Tuya account



5 Complete the Tuya account you want to share and select the type of user you want

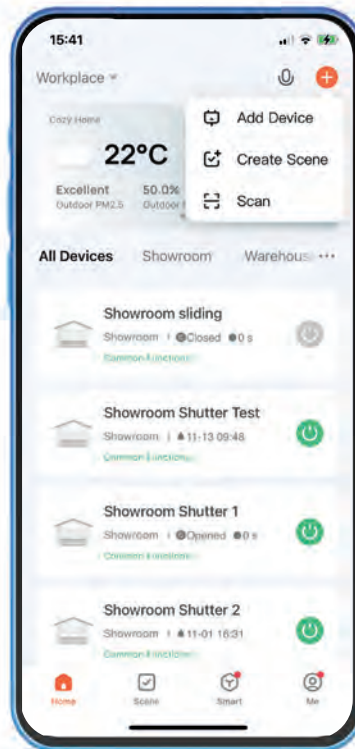


6 The new account is added

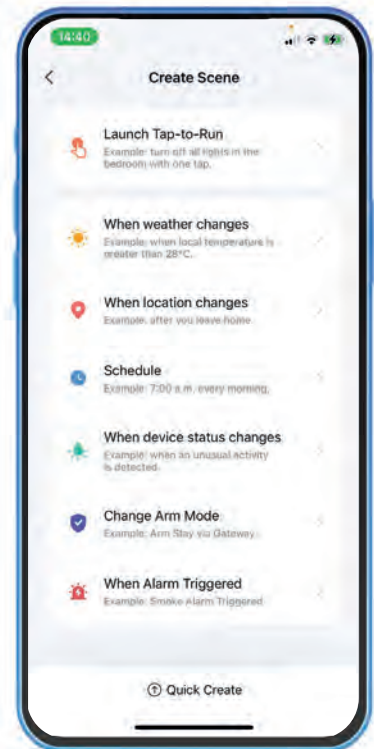
## Create scenarios



You can set rules and schedules for your devices, making your home more efficient and convenient...



1 Select the + on main page and choose CREATE SCENE



2 Set the rules or scenarios you want based on your needs

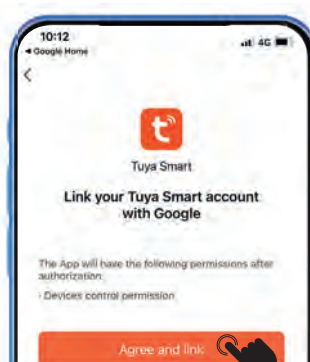
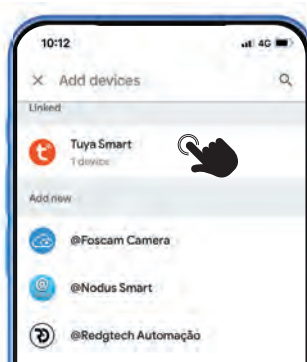
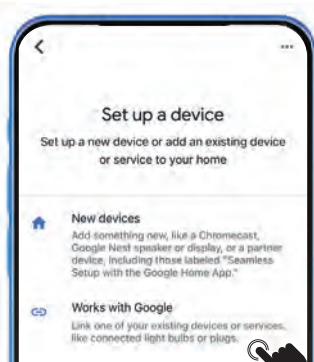
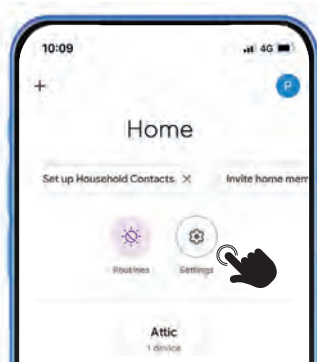
## Google Home connection



+



- 1 Download the Google Home application from Apple Store or Google Play. Create an account.
- 2 Synchronize the Tuya Smart application with Google Home



- 3 Open Google Home and press Settings
- 4 Select Works with Google
- 5 Open Google Home and find the Tuya Smart application
- 6 Press Agree and link

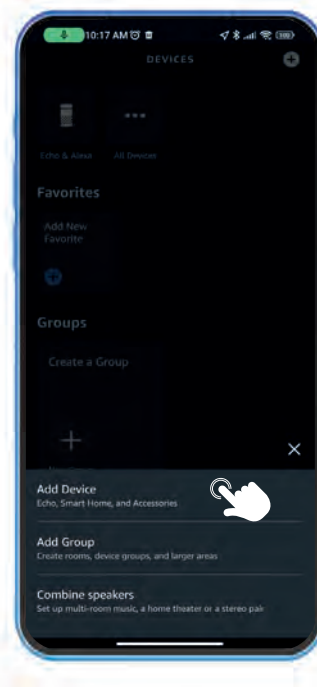
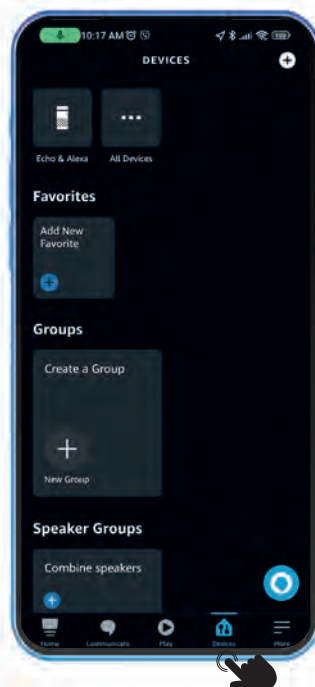
## Alexa connection



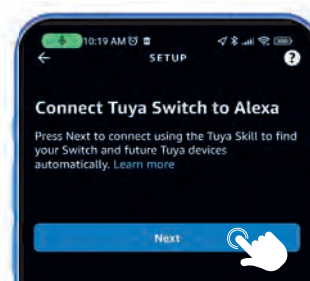
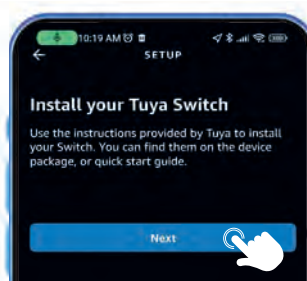
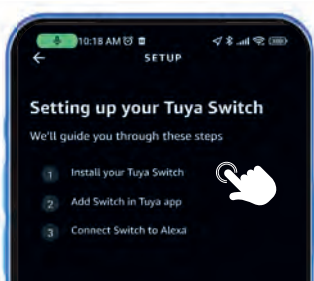
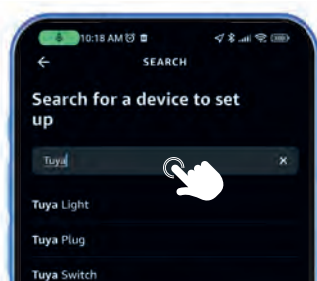
+



- 1 Download the AMAZON ALEXA from Apple Store or Ggoogle Play. Create an account



- 2 Select Devices
- 3 Choose Add new Device



- 4 Find the Tuya Smart device (Tuya Switch)
- 5 Choose and press NEXT
- 6 Install and press NEXT
- 7 The device is added in AMAZON ALEXA



[www.profelmnet.com](http://www.profelmnet.com)