



6114

WiFi control board
for 2 motors 230VAC

INSTALLATION MANUAL

6114 WiFi Automation System for 2 Motor 230VAC

The 6114 automation system is the ideal solution for two 230VAC motors, providing the ability to remotely manage the gate or door via a mobile application.

With the 6114 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 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: 24VDC
- 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: 6114 – WiFi Automation System for 2 Motors 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

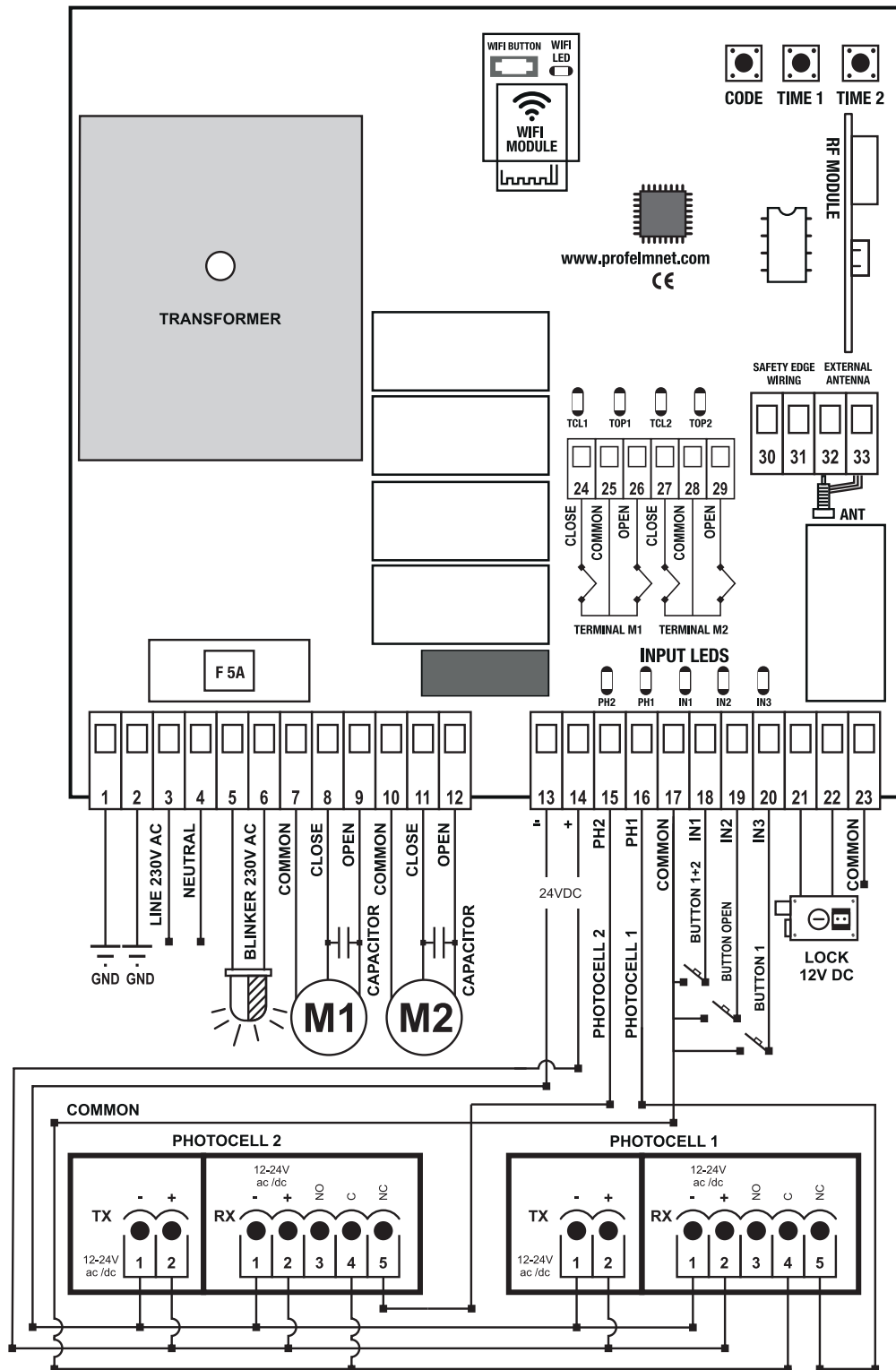
Phone:

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

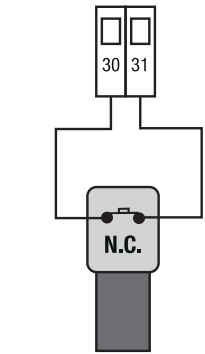
Email:

info@profelmnet.com

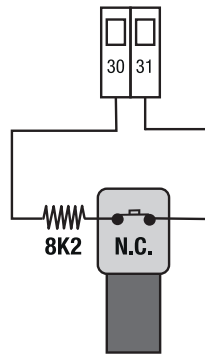
6114 WiFi control board for 2 motors 230VAC



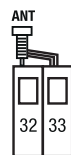
**MECHANICAL SAFETY EDGE
(NC CONTACT)**



SAFETY EDGE WIRING TYPE 8K2



WIRING EXTERNAL ANTENNA



TECHNICAL CHARACTERISTICS

Power supply	230VAC /50 Hz
Max. Motor power	1400W
Box dimensions	25cm X19.5cm X10cm
Control board dimensions	13cm X13.5cm X 4.5cm
Fuse 230VAC	5A
Fuse 12-24VDC	200mA
Blinker light power supply	230VAC /100W
Photocell power supply	24VDC
Lock power supply	12VDC/3A
Remotes memory	Removable memory up to 300 remotes
Temperature	-20°C + 60°C

ELECTRICAL WIRINGS

1	Ground
2	Ground
3	Line
4	Neutral
5-6	Blinker light
7	Common motor 1
8	Close Motor 1 + Capacitor
9	Open Motor 1 + Capacitor
10	Common motor 2
11	Close Motor 2 + Capacitor
12	Open Motor 2 + Capacitor
13	Power Supply - 24VDC
14	Power Supply + 24VDC
15+17	Photocell 2
16+17	Photocell 1
17	Common accessories
18+17	Command Button 1+2 - N.O
19+17	Command Magnetic Loop - N.O
20+17	Command Only Motor 1 N.O
21+22	Lock 12VDC 3A
23	Common
24+25	Close terminal switch motor 1-N.C
25	Common terminal switch motor 1
26+25	Open terminal switch motor 1-N.C
27+28	Close terminal switch motor 2-N.C
28	Common terminal switch motor 2
29+28	Open terminal switch motor 2-N.C
30+31	Safety Edge - NC/8K2
32	External Antenna 433,92MHz
33	Shield Antenna 433,92MHz

Compatible with:



Compatible with:



Powered by:



6114 WiFi control board for 2 motors 230VAC
is certified by:



THE POWER TO MOVE

Easy, Simple and Smart From Everywhere!

Download the Tuya Smart Application

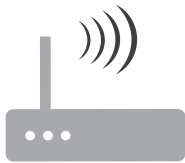


CONNECTION WITH TUYA SMART APPLICATION

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



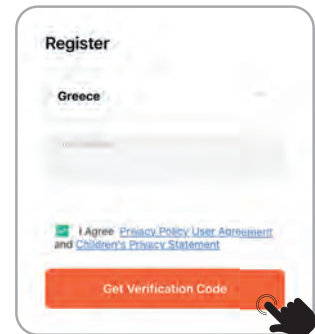
Mobile Phone



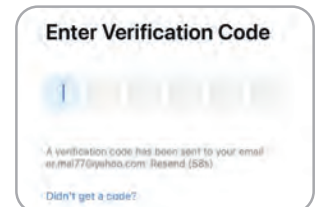
Wireless Router



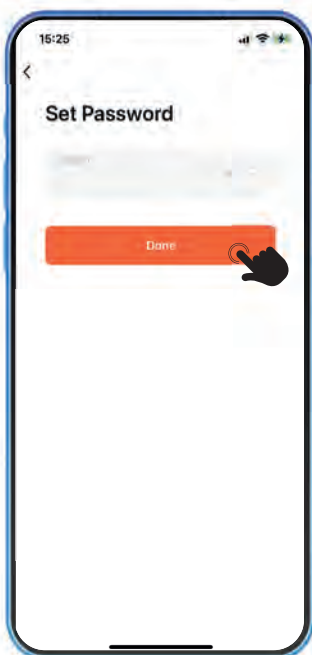
1 Press Sign Up for new account



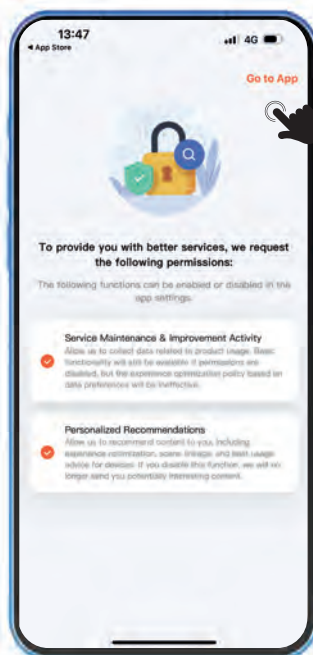
2 Fill your email and press Send verification code



3 Send Verification Code



4 Set your Password

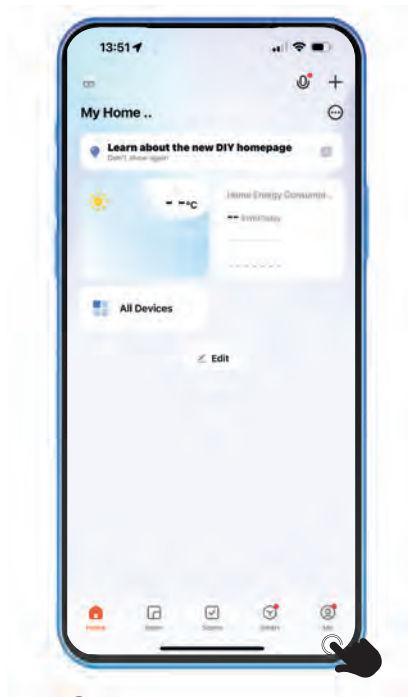


5 Go to application

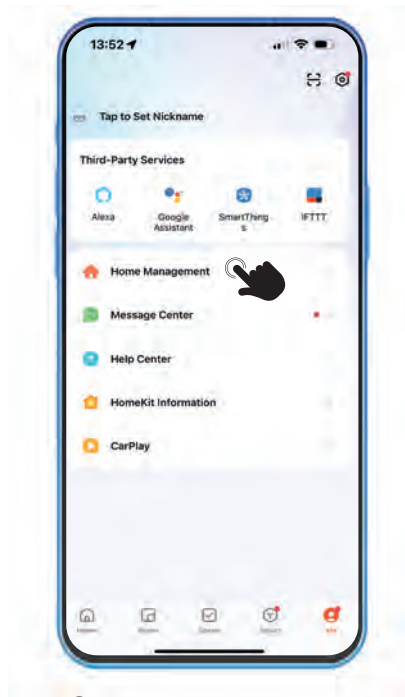


6 The account has been successfully created

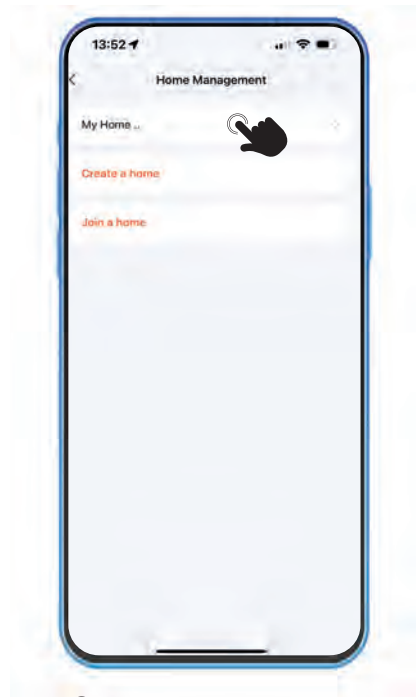
Create your HOME in application



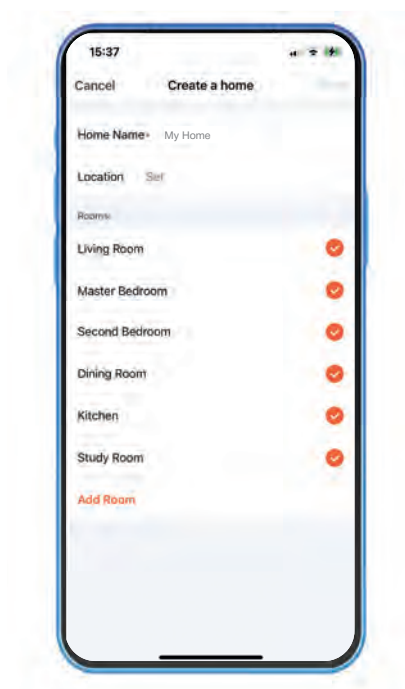
1 Select Profile



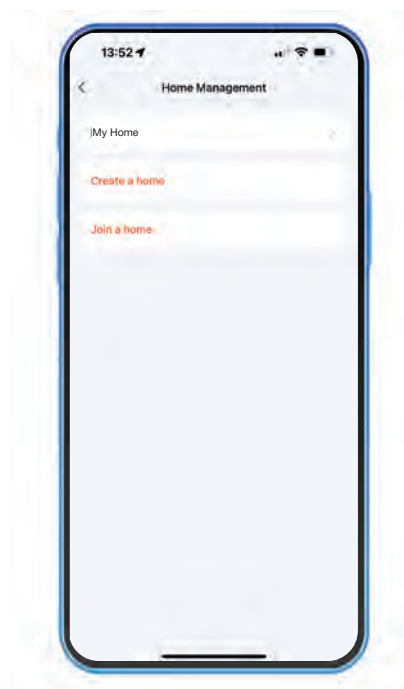
2 Select Home Management



3 Create your HOME



4 Give a name to your HOME



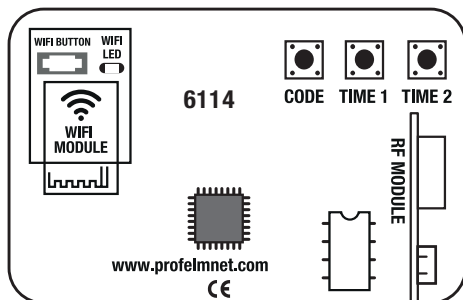
4 Your HOME is created

Pairing with the 6114 control board



WiFi COMPATIBILITY

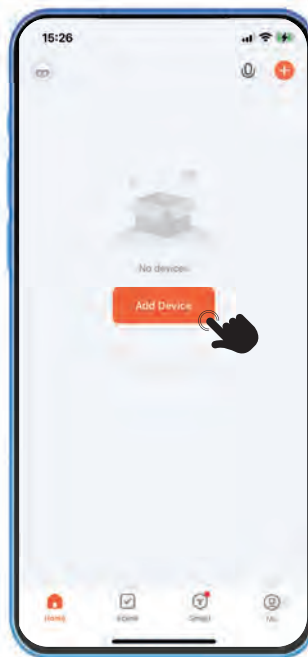
6114 control board is compatible with 2.4GHz and 5GHz.



Power the 6114 control board

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

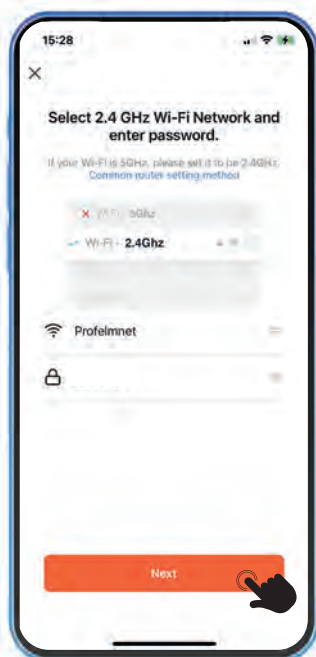
Otherwise, hold and press firmly on the WiFi button of the board until the blue LED indicator starts blinking



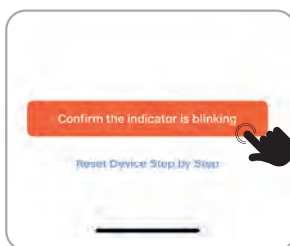
1 Go to Tuya application and press Add Device



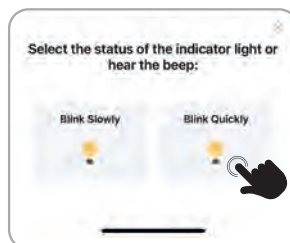
2 Choose the GARAGE DOOR OPENER (Wi-Fi - BLE)



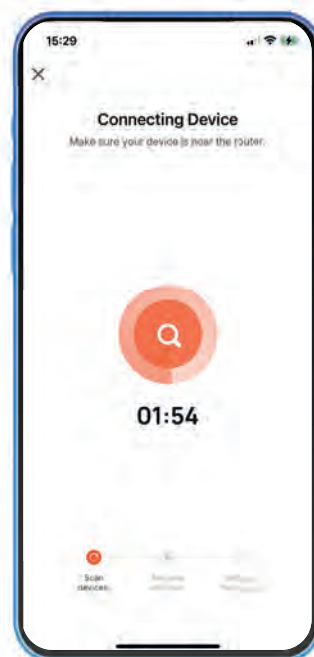
3 Complete the Username and Password of the WiFi network



4 Press the confirmation messages successively



5 Choose Blink Quickly



6 Connecting Device

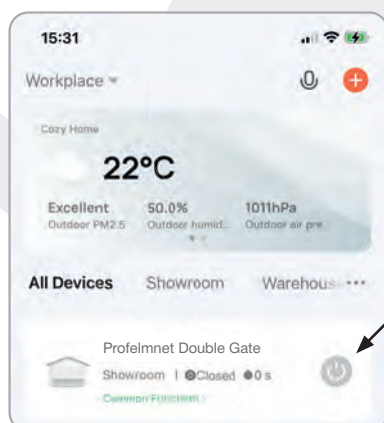
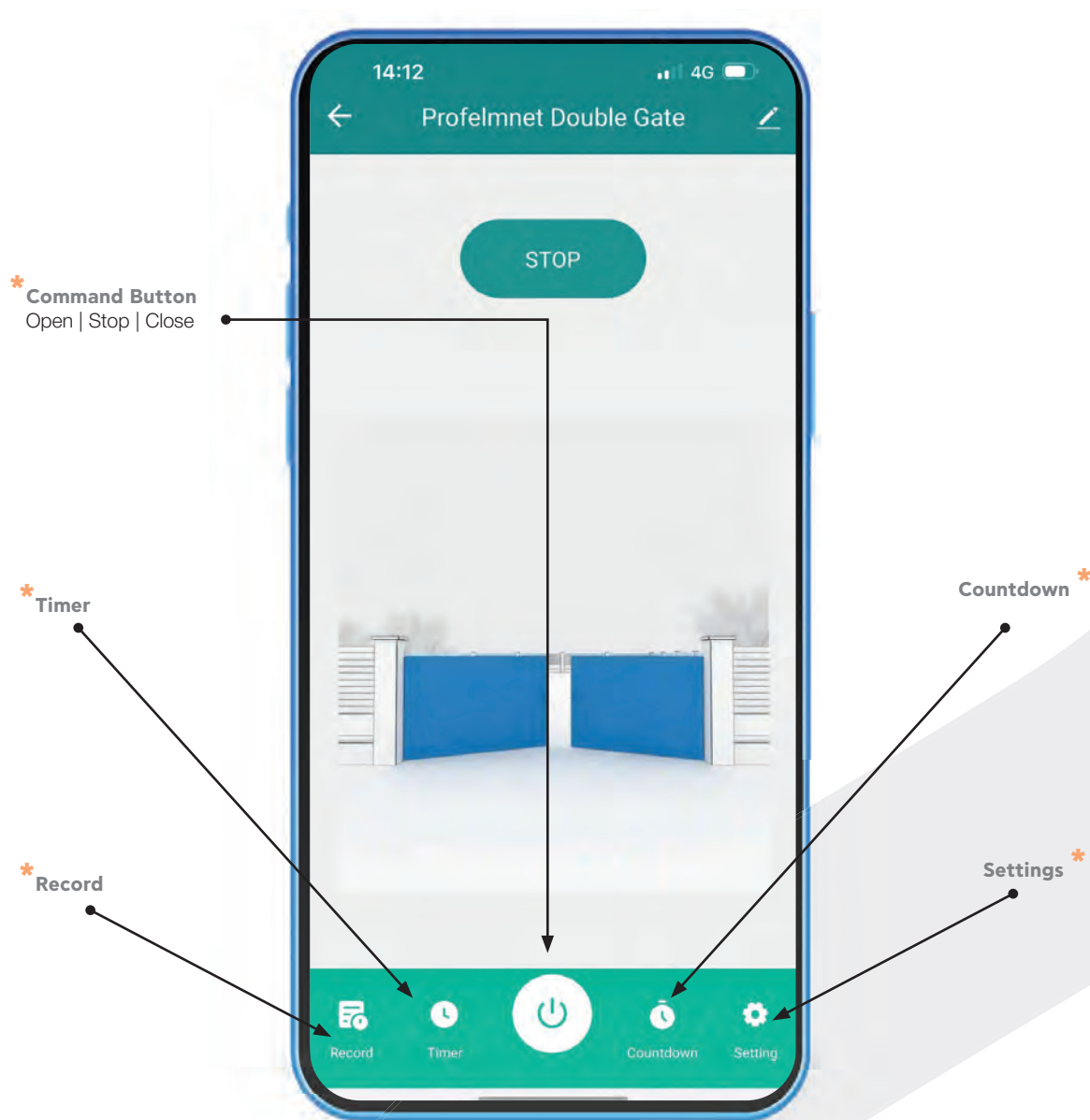


7 The 6114 control board is being synchronized



8 The 6114 control board is ready

Home Page 6114



All devices
main page

Quick Command

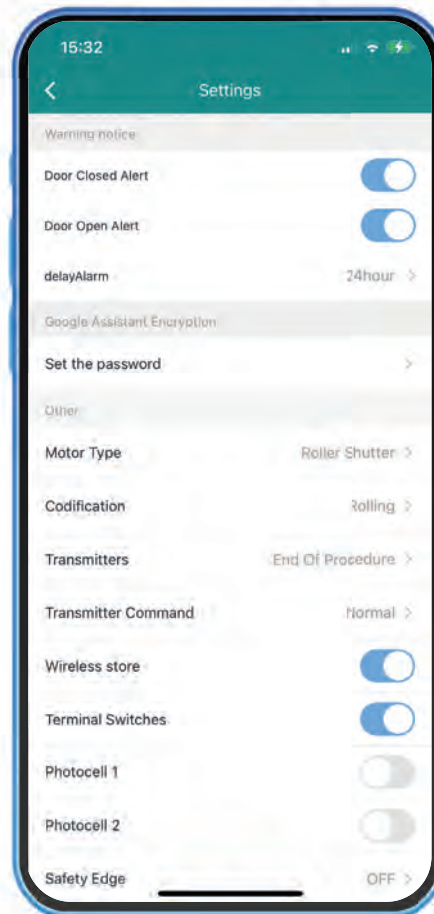
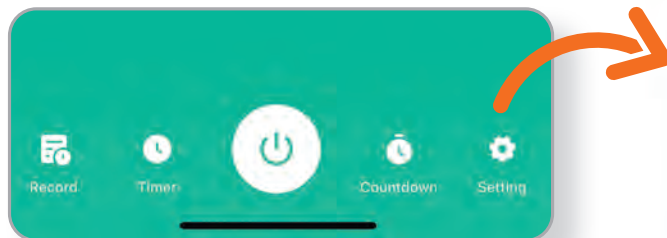
- **Green:** Is open
- **Grey:** Is closed



6114 configuration menu

In home page, select 'Settings' for 6114 board configuration

 **Settings**



Function	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
Codification	<ul style="list-style-type: none"> Rolling Open Rolling Fixed Profelmnet 	Select based on the remotes
Remotes	<ul style="list-style-type: none"> Save transmitter Save pedestrian transmitter Deletion End of process 	See below the procedure number 1
Delete User	0-299	Choose the number of user you want to delete
Remote Command	<ul style="list-style-type: none"> Normal Only open 	Normal: Cycle remote command (Open-Stop-Close) Only Open: Remote command ONLY OPEN
Wireless Store	ON/OFF	Wireless 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.

Function	Selections / Values	Description
Safety Edge	<ul style="list-style-type: none"> Deactivate 8K2 NC 	<p>Once the safety edge is activated, the gate stops and moves back 10 cm.</p> <p>8K2: Use resistance 8,2KΩ for safety edge control</p> <p>NC: Use NC contact for safety edge control</p>
Button	<ul style="list-style-type: none"> Deactivate Normal 	Normal: Cycle button command (Open-Stop- Close)
Lamp	<ul style="list-style-type: none"> Courtesy Light Flashing Beacon Light Warning Light 	<p>Flashing Beacon Light: The light is flashing during the cycle of the motor</p> <p>Courtesy Light : The light is steady for 3 minutes after the last command.</p> <p>Warning Light: The light indicates the status of the gate.</p>
Lock	OFF - 3S - 4S - 5S - 6S	Select the time when the lock is activated
Deceleration Time	1S -40S	Select the time of motors deceleration
Auto-closing Transit	0s-180s	Auto-Close transit for Photocell 1
Auto-closing Stand-by	0s-180s	Auto-Close stand by for Photocell 1
Motor Delay	ON/OFF	
Oil Pressure Control	OFF - 15 min - 30 min 1 hour - 2 hours	Select in case of hydraulic motors
Deceleation	<ul style="list-style-type: none"> ON motor < 500W A ON motor < 500W B ON motor < 500W C ON motor > 500W A ON motor > 500W B ON motor > 500W C Deactivate 	<p>Default values</p> <ul style="list-style-type: none"> Motor < 500W choice A Motor > 500W choice A
Normal Force	1-10	A higher value corresponds to a higher power of the motor (normal movement)
Deceleration Force	1-10	A higher value corresponds to a higher power of the motor (slow movement)
Normal Movement Amperostop Motor 1	1-10	A higher value corresponds to a higher power of the motor (normal movement)
Slow Movement Amperostop Motor 1	1-10	A higher value corresponds to a higher power of the motor (slow movement)
Normal Movement Amperostop Motor 2	1-10	A higher value corresponds to a higher power of the motor (normal movement)
Slow Movement Amperostop Motor 2	1-10	A higher value corresponds to a higher power of the motor (slow movement)
Operating Time	ON/OFF	When it is activated, the command is active for 10 sec
Set Operating time	Start Procedure STOP M1 STOP M2 End of Procedure	See below the procedure number 2
Status Message	Trouble Shooting	
Add transmitters serial number	Type the 8 digits	For security reasons, this is only for certified Profelmnet installers
Test Command	• Open • Stop • Close	Test the configuration



Procedure number 1: **REMOTES**

SAVE TRANSMITTERS

Through 6114 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 6114 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 6114 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**

Working Time Adjustment: Before setting the working time of the motors, make sure that you have installed PHYSICAL STOPS at the closing and opening of each leaf, otherwise the control board cannot be adjusted correctly. In case there are no physical stops, your motor must have built-in MECHANICAL STOPS.



**SAME WORKING TIME
BETWEEN OPEN + CLOSE FOR EACH LEAF**

CONFIGURATION THROUGH APPLICATION:

Setting => Operating Time => ON

Set Operating Time : Start Procedure => OK. The motor 1 is starting.

Stop M1 => OK. The motor 2 is starting automatically.

STOP M2 => OK

End of Procedure => OK

1ST METHOD: CONFIGURATION THROUGH CONTROL BOARD

1. Use the Buttons TIME 1 + TIME 2 BOTH LEAVES ARE CLOSED.

Press and hold pressed the TIME 1 button until the first leaf is fully opened.

Press and hold pressed the TIME 2 button until the second leaf is fully opened.

The operating time of the two Motors have now been set.

2ND METHOD: CONFIGURATION THROUGH REMOTE

2. Use the saved remote or the external button BOTH LEAVES ARE CLOSED.

Press the TIME 1 + TIME 2 buttons simultaneously. The red LED indicator starts flashing.

Press the remote.

Motor 1 opens.

When Motor 1 is fully open, press the remote again.

Motor 1 stops and Motor 2 starts opening automatically.

Press the remote when Motor 2 is fully open.

The operating time of the two Motors have now been set.



Procedure number 2: **OPERATING TIME**



**DIFFERENT WORKING TIME
BETWEEN OPEN + CLOSE FOR EACH LEAF**

1ST METHOD: CONFIGURATION THROUGH CONTROL BOARD

1. Use button TIME 1 BOTH LEAVES ARE CLOSED

Press the CODE + TIME 2 buttons simultaneously. The red LED indicator starts flashing quickly.

Press the TIME 1 once.

The Motor 1 opens.

When Motor 1 is fully open, press the TIME 1 once.

Motor 1 stops and after 1 second, Motor 2 starts opening automatically.

When Motor 2 is fully open, press the TIME 1 once.

Motor 2 stops and after 1 second, Motor 2 starts to close automatically.

When Motor 2 completely closed, press the TIME 1 once.

Motor 2 stops and after 1 second, Motor 1 starts to close automatically.

When Motor 1 completely closed, press the TIME 1 button once.

The operating time of the two Motors have now been set.

2ND METHOD: CONFIGURATION THROUGH REMOTE

2. Use the saved remote or the external button BOTH LEAVES ARE CLOSED

Press the CODE + TIME 2 buttons simultaneously. The red LED indicator starts flashing quickly.

Press the remote once.

The Motor 1 opens.

When Motor 1 is fully open, press the remote once.

Motor 1 stops and after 1 second, Motor 2 starts opening automatically.

When Motor 2 is fully open, press the remote once.

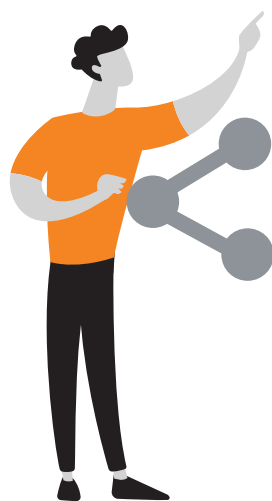
Motor 2 stops and after 1 second, Motor 2 starts to close automatically.

When Motor 2 completely closed, press the remote once.

Motor 2 stops and after 1 second, Motor 1 starts to close automatically.

When Motor 1 completely closed, press the remote once.

Different type of users



1. Home owner:

The user who has paired the device with the home router and has the entire management of the device.

2. Administrator:

The user who is able to make adjustments on the board

3. Common User:

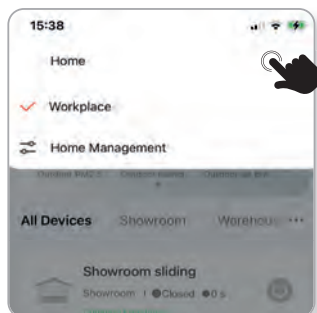
The user who is able to manage the device but not able to make adjustments



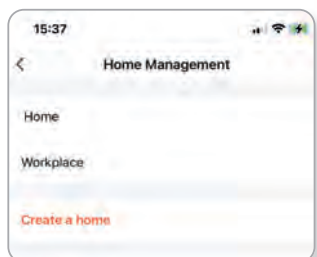
The home owner can divide the 6114 control board into administrators or users depending on the degree of access they want to have to the control board

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

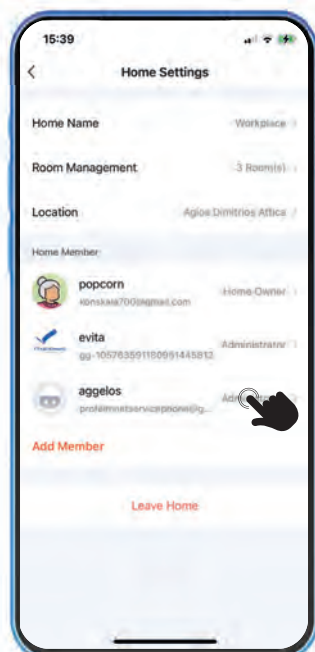
Sharing a HOME



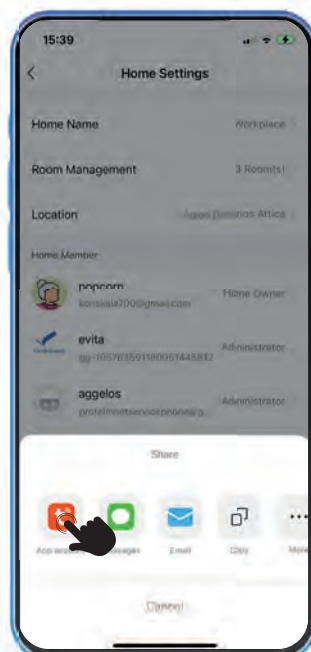
1 On main page, select the home management



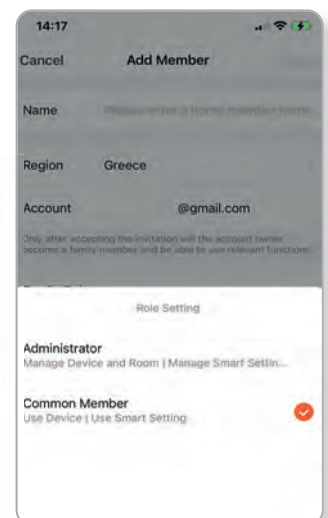
2 Choose the home you want to share



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



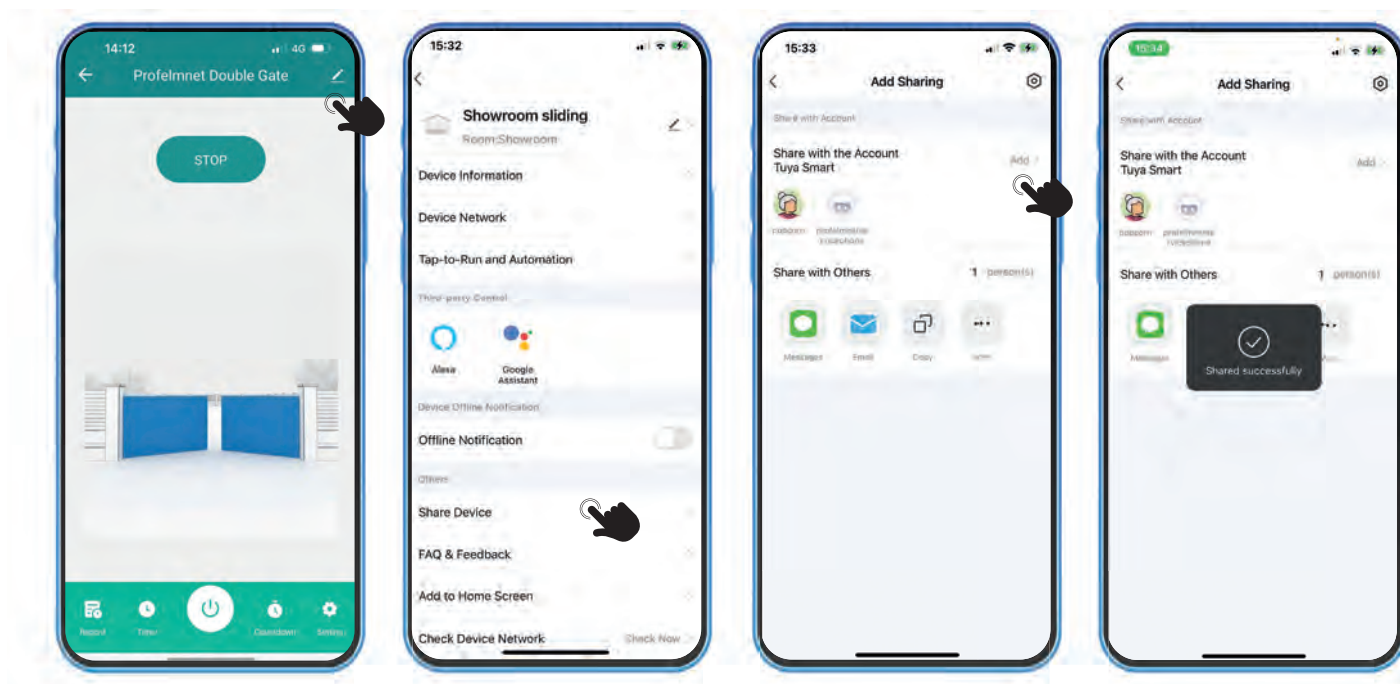
6 The new account is added

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

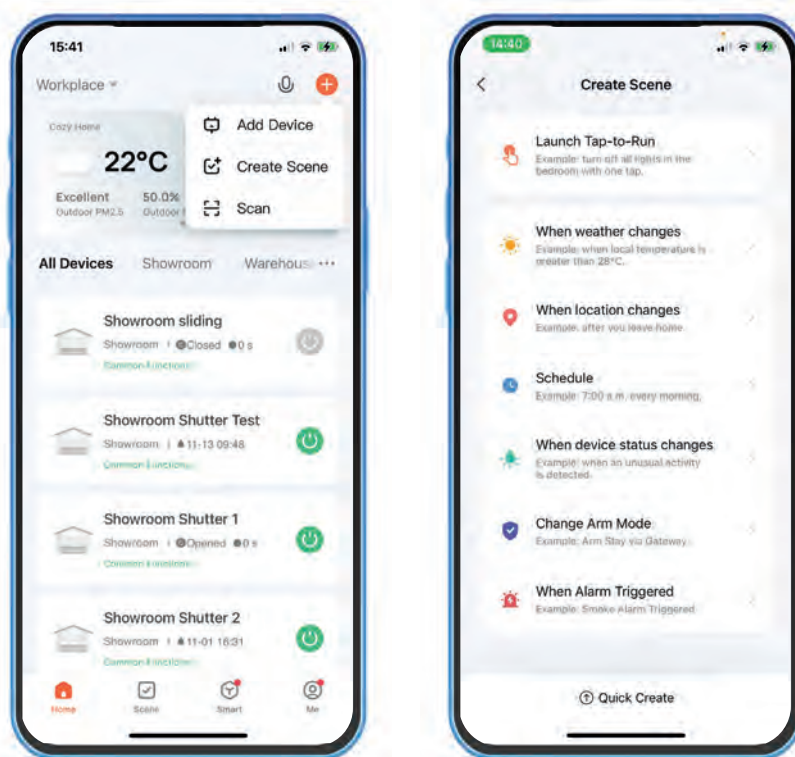
3 Choose ADD and type the TUYA account you want to share

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

Create scenarios



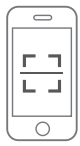
You can set rules and schedules for your devices, making your home more efficient and convenient...



1 Select the + on main page and choose CREATE SCENE

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

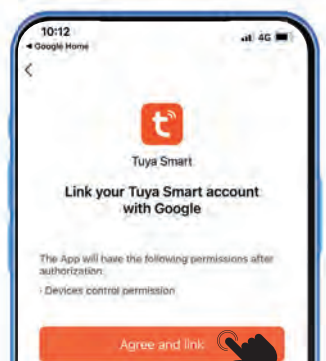
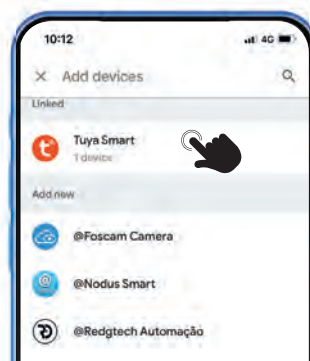
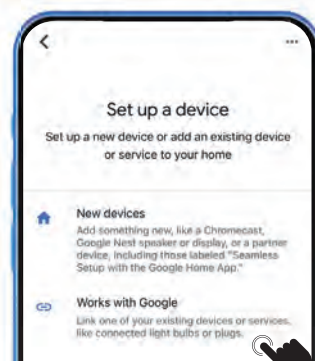
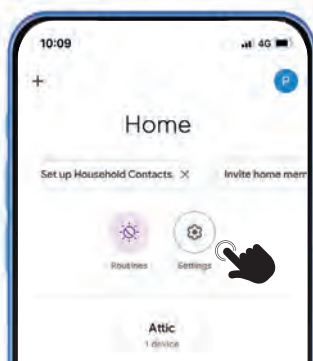
Google Home connection



+



- 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

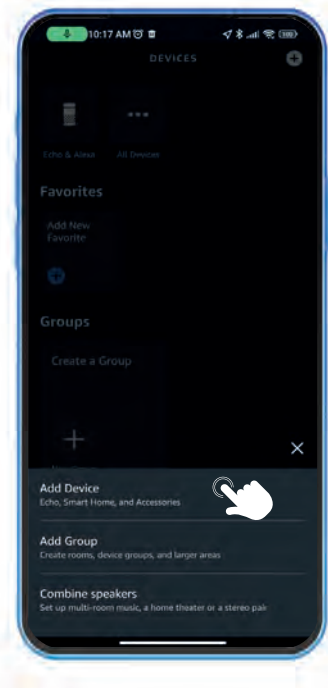
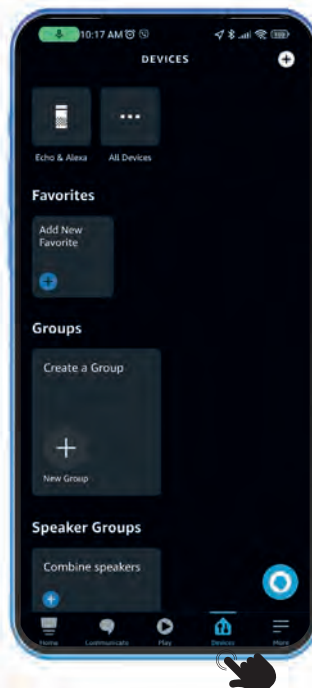
Alexa connection



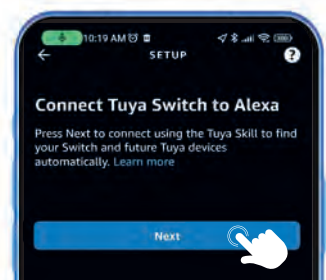
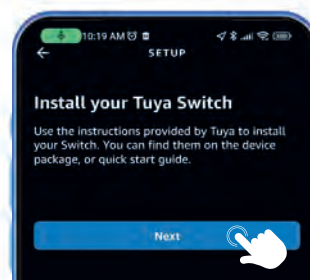
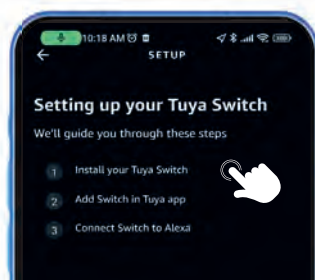
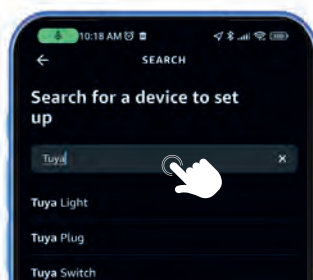
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- 1 Download the AMAZON ALEXA from Apple Store or Ggoogle Play. Create an account



- 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

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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