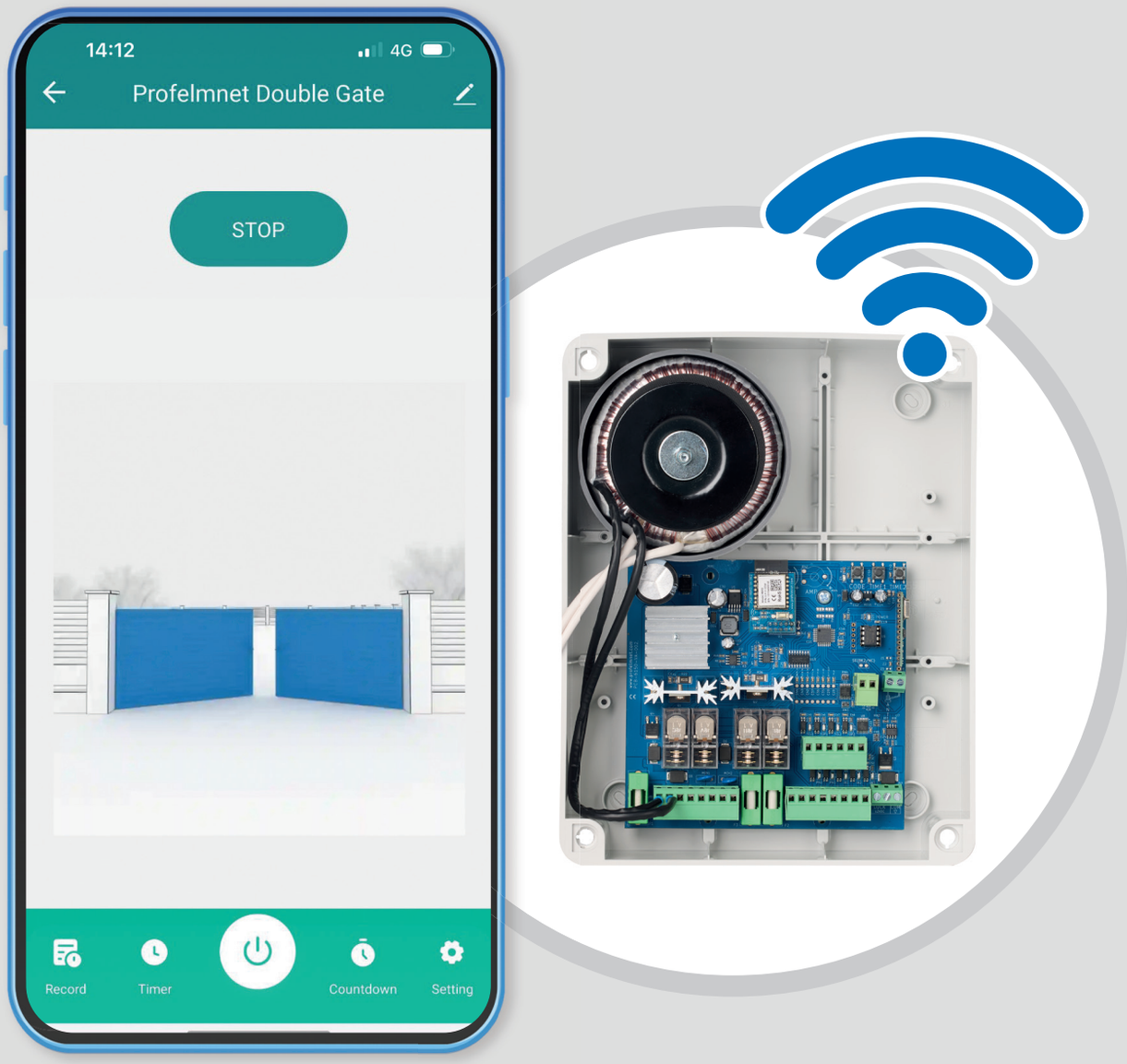
Profelmnet

THE POWER TO MOVE



works with Google Home

works with alexa

6150

WiFi control board for 2 motors 24V

INSTALLATION MANUAL

THE POWER TO MOVE

Every Gate

www.profelmnet.com

6150 WiFi control board for 2 motors 24V

6150 control board is the ideal connectivity solution for 2 motors 24V that makes access smarter and easier. The user has the possibility to make all the settings of the automation via his mobile phone and also to manage his gates from wherever he is, using the WiFi network.

SECURITY INFORMATION

Carefully read the instructions before beginning to install the product. To ensure the safety of people, it is important that the installer reads all the following installation instructions. Incorrect installation or incorrect use of the product could cause serious harm to people.

Read and follow the instructions below:

1. The product must be used and installed in accordance with its design.

2. Save these instructions for future use.

3. Before proceeding with any connection or programming, turn off the power supply.

4. It is necessary to use 6A/30mA differential leakage relay to power the equipment.

5. Do not change or modify the automation materials, without first contacting Profelmnet.

6. Do not allow children or pets to be near the gate when it is in operation.

7. Keep the remote controls out of the reach of children, to prevent inadvertent operation of the door.

8. The installation, maintenance or repair of the automation shall be carried out by qualified personnel.

9. The installation of photocells is essential for the safety of vehicles passing through.

10. It is necessary to install a safety edge contact for the safe passage of the pedestrians.

11. In the area where the 6150 automation will be installed, the WiFi signal strength from your router should be, at least, -60dbm. Otherwise, Profelmnet bears no liability for failure of the product.

12. It is mandatory to install external terminal switches (mechanical or magnetic) to indicate the exact position of the gate.

13. It is recommended to install a visual control device (camera), to monitor the movement of the gate in order to avoid accidents.

14. IIn case the motor is under manual release, turn off the power supply of the automation.

15. Profelmnet, as the manufacturer, reserves the right to make changes to the product without notice.

16. Anything not listed in these instructions is not appropriate.

17. It is essential to use a T1.25 A fuse on the primary coil of the power transformer.

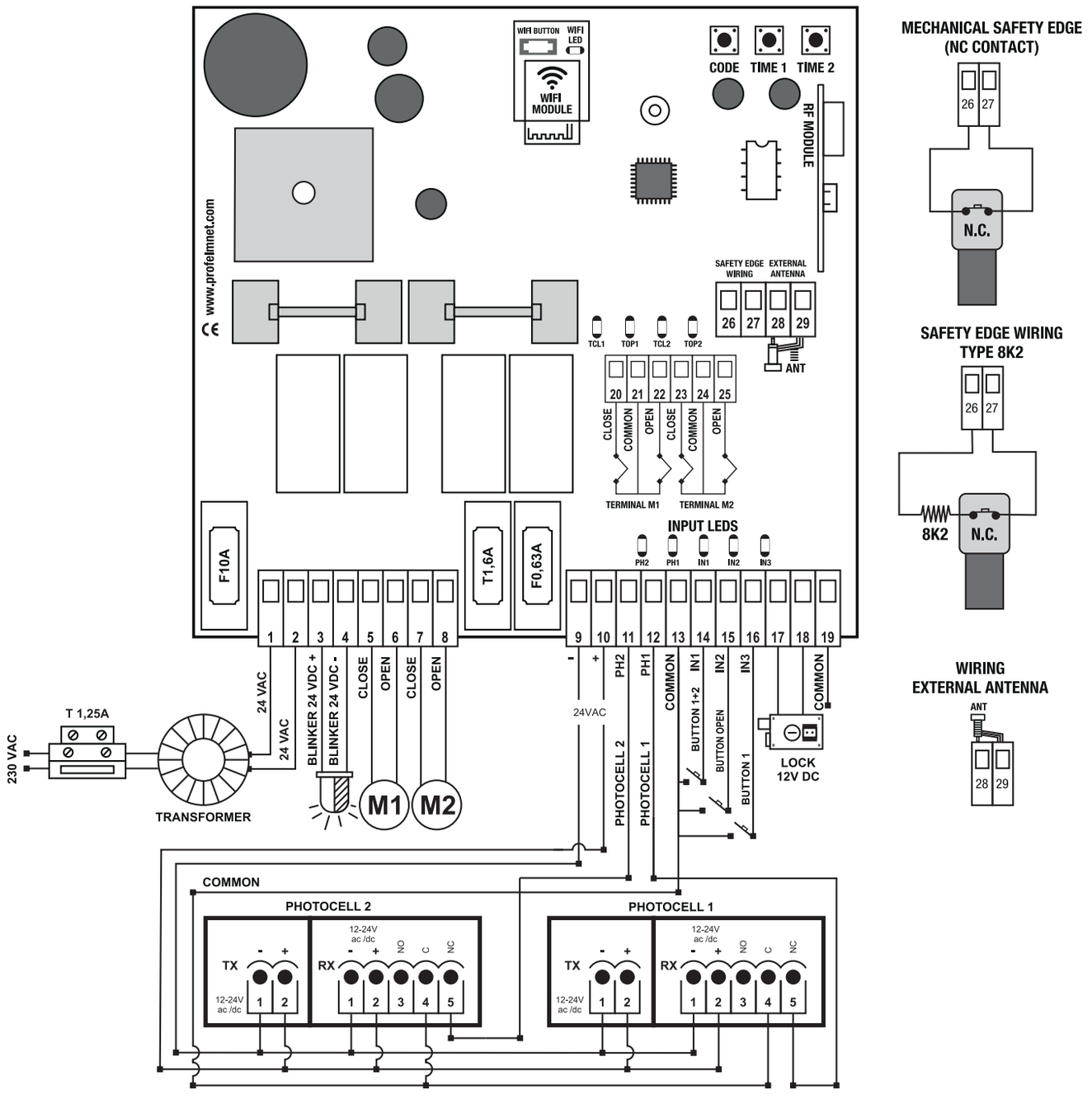
18. It is mandatory to ground the metallic parts of the motor. Connect the motor grounds to the power supply ground.

Declaration of Conformity - CE

The manufacturer **L. PSARROS & SIA OE** declares that the product **6150** wifi control board 24V is according to European Directives requirements of **RADIO EQUIPMENT DIRECTIVE (RED) 2014/53/EU and ELECTROMAGNETIC COMPATIBILITY EMC 2004/108/EC** and satisfies all the applicable standards to the product

Profelmnet
Λ. ΨΑΡΡΟΣ ΚΑΙ ΣΙΑ Ο.Ε.
ΕΙΣΑΓΩΓΕΣ – ΚΑΤΙΕΣ ΗΛΕΚΤ. ΥΛΙΚΟΥ
ΠΡ. ΔΡΑΚΑΚΗ 11, Τ.Κ. 17341, ΑΓ. ΔΗΜΗΤΡΙΟΥ
ΑΦΜ: 800845047 - ΔΟΥ: ΑΓ. ΔΗΜΗΤΡΙΟΥ
ΑΡ. ΓΕΜΗ: 142799401000
ΤΗΛ.: 210 9850244 - FAX. 210 9823264

6150 WiFi control board for 2 motors 24V



MECHANICAL SAFETY EDGE (NC CONTACT)

SAFETY EDGE WIRING TYPE 8K2

WIRING EXTERNAL ANTENNA

TECHNICAL CHARACTERISTICS

Power Supply	24VAC/DC
Motor Power	400W in total
Box Dimensions	25cm X 19.5cm X10cm
Board Dimensions	13cm X 13.5cm X4.5cm
Trasnformer Primary Side Side Fuse 230VAC	T1,25A
Power Supply Fuse 24VAC/DC	F10A
Photocell Fuse	F0,63A
Lock - Flash Fuse	T1,6A
Flash Power Supply	24VDC
Photocells Power Supply	24VAC/DC
Lock Power Supply	12VDC/3A
Board Memory	removable up to 300 remotes
Temperature	-20oC + 60oC

ELECTRICAL WIRINGS

1	+24VAC/DC
2	-24VAC/DC
3-4	Light 24VDC
5	Open Motor 1
6	Close Motor 1
7	Open Motor 2
8	Close Motor 2
9	Power Supply - 24VAC/DC
10	Power Supply + 24VAC/DC
11+13	Contact Photocell 2 NC
12+13	Contact Photocell 1 NC
13	Common
13+14	Contact Button 1+2 - N.O
13+15	Contact Magnetic Loop N.O
13+16	Contact Button 1 - N.O
17+18	Lock 12VDC 3A
19	Common
20+21	Close Terminal Switch Motor 1- N.C
21	Common Terminal Switch Motor 1
21+22	Open Terminal Switch Motor 1 - N.C
23+24	Close Terminal Switch Motor 2- N.C
24	Common Terminal Switch Motor 2
24+25	Open Terminal Switch Motor 2 - N.C
26+27	Safety Edge NC /8K2
28	External Antenna 433,92MHz
29	Shield Antenna 433,92MHz

Compatible with:

works with Google Home

works with alexa

Compatible with:

iOS Android

Powered by:

tuya

6150 WiFi control board for 2 motors 24V is certified by:

Google CERTIFICATION

amazon Cerftification

THE POWER TO MOVE

Easy, Simple and Smart From Everywhere!

Download the Tuya Smart Application

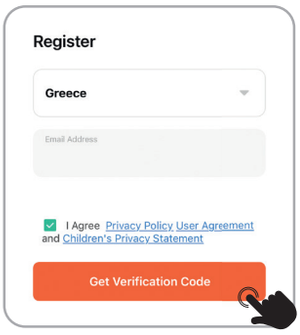
CONNECTION WITH TUYA SMART APPLICATION

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

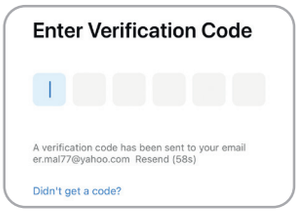
Mobile Phone

Wireless Router

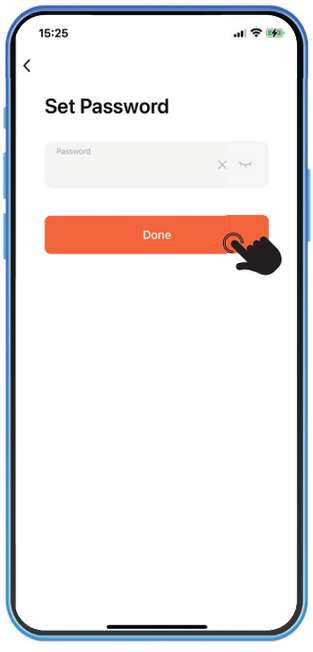
❶ Press Sign Up for new account



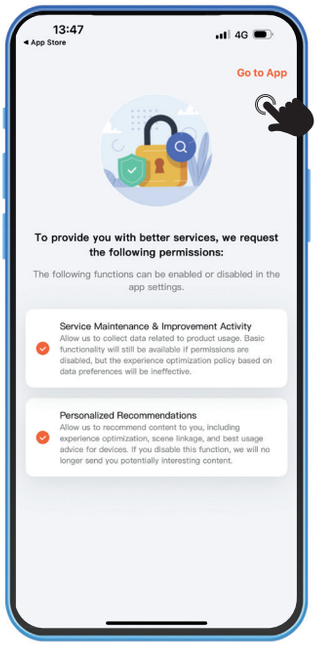
❷ Fill your email and press Send verification code



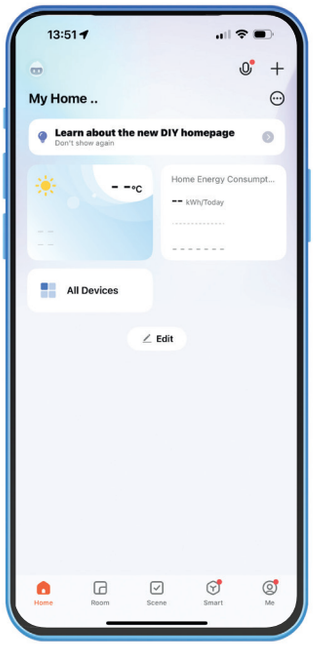
❸ Send Verification Code



❹ Set your Password

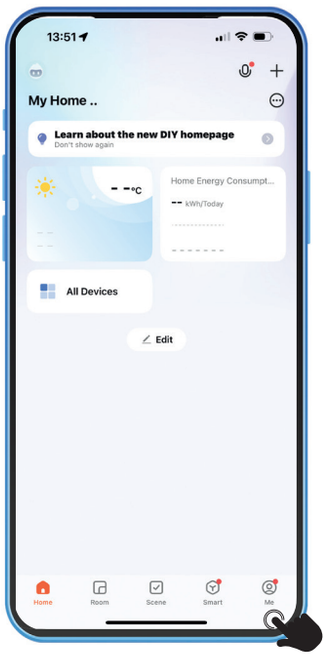


❺ Go to application

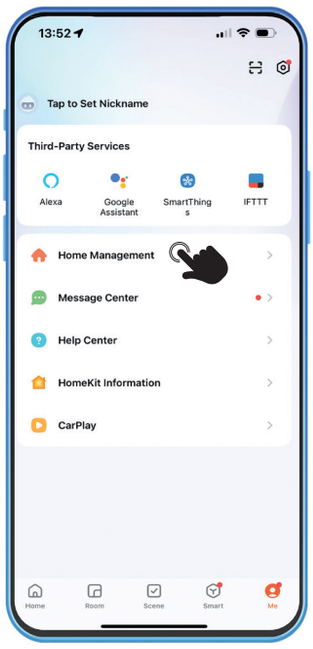


❻ The account has been successfully created

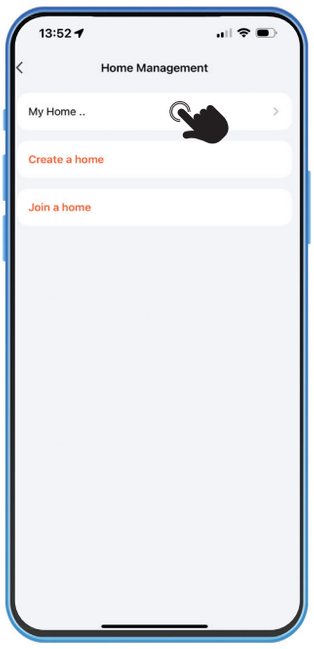
Create your HOME in application



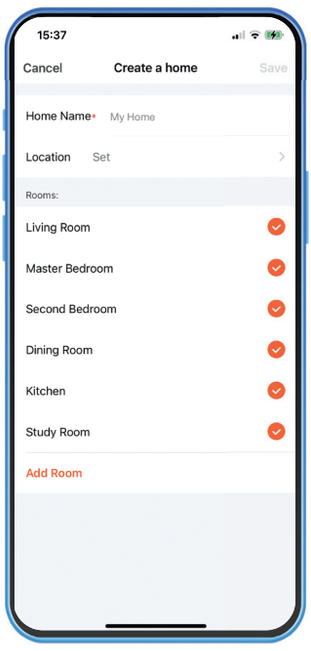
1 Select Profile



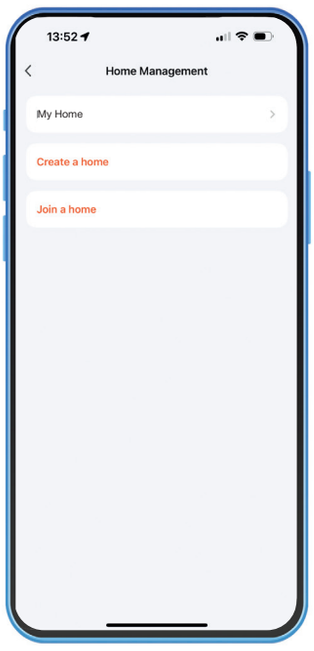
2 Select Home Management



3 Create your HOME



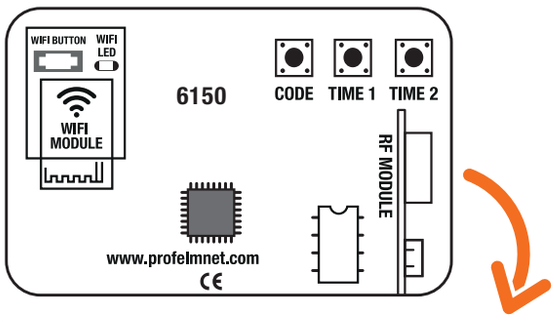
4 Give a name to your HOME



4 Your HOME is created

Pairing with the 6150 control board

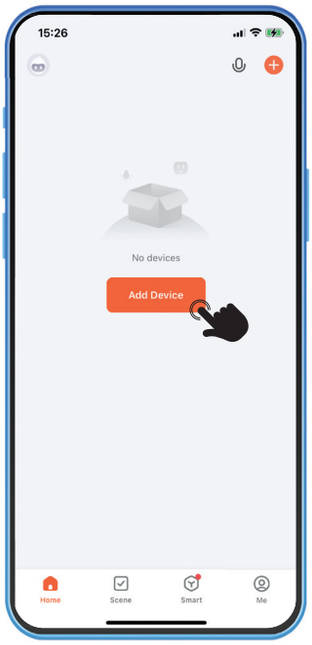
WiFi COMPATIBILITY
6150 control board is compatible with 2.4GHz and 5GHz.



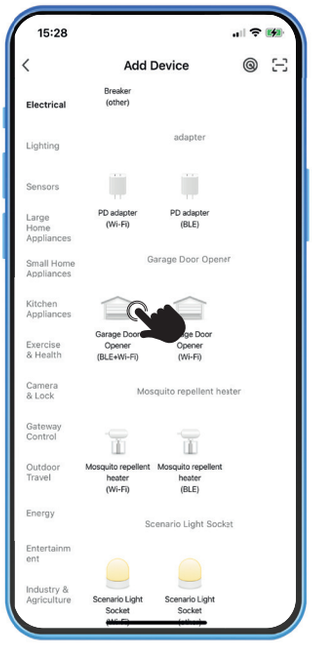
Power the 6150 control board

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

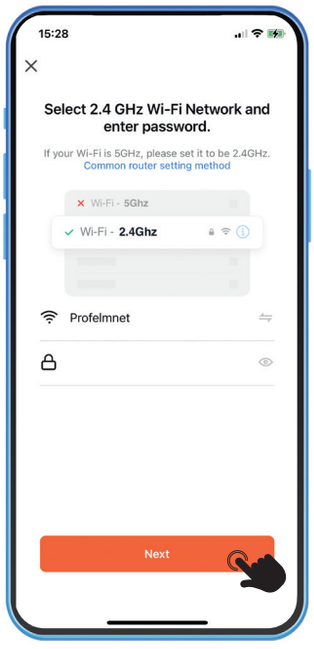
Otherwise, hold and press firmly on the WiFi button of the board until the blue LED indicator starts blinking



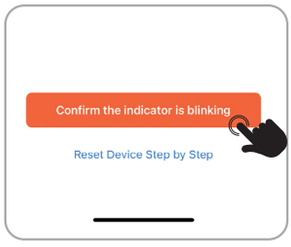
1 Go to Tuya application and press Add Device



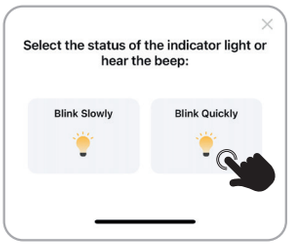
2 Choose the GARAGE DOOR OPENER (WiFi - BLE)



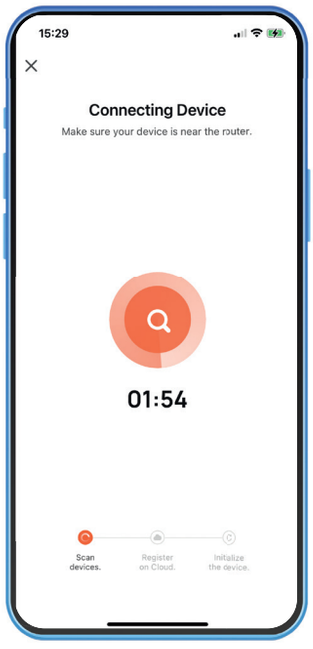
3 Complete the Username and Password of the WiFi network



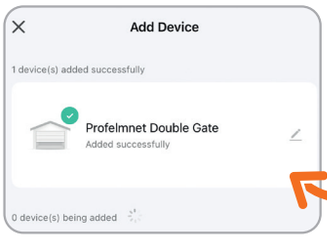
4 Press the confirmation messages successively



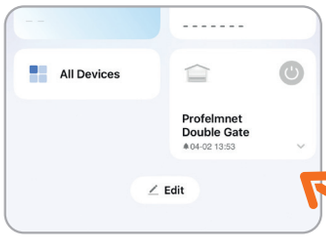
5 Choose Blink Quickly



6 Connecting Device

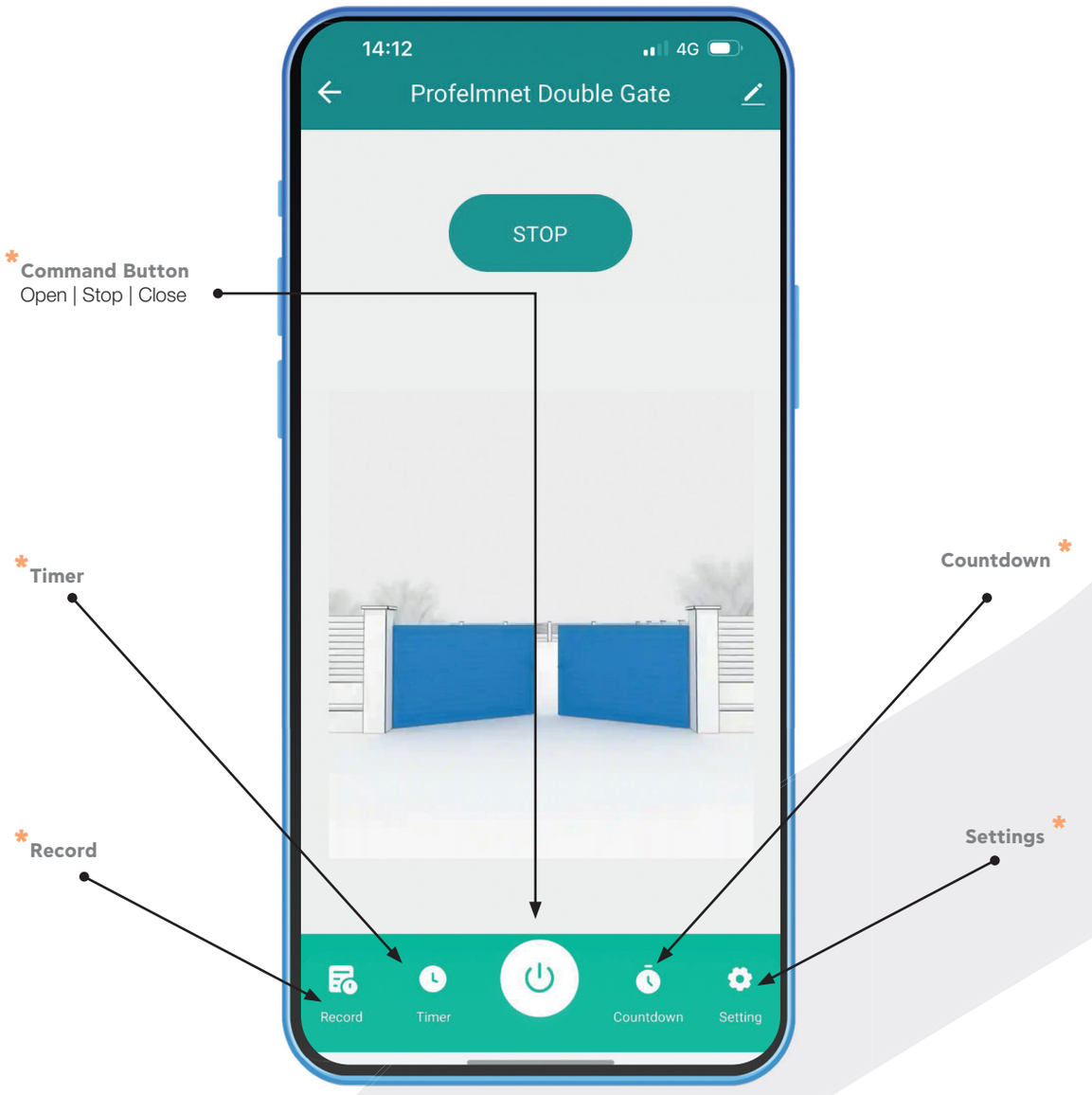


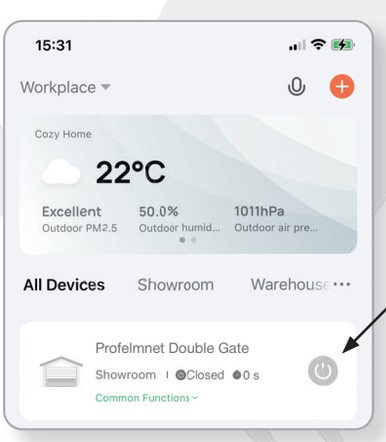
7 The 6150 control board is being synchronized



8 The 6150 control board is ready

Home Page 6150





All devices main page

Quick Command

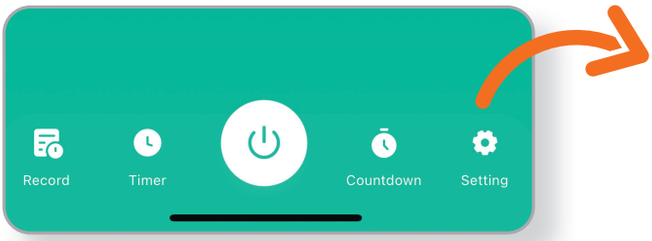
Green: Is open

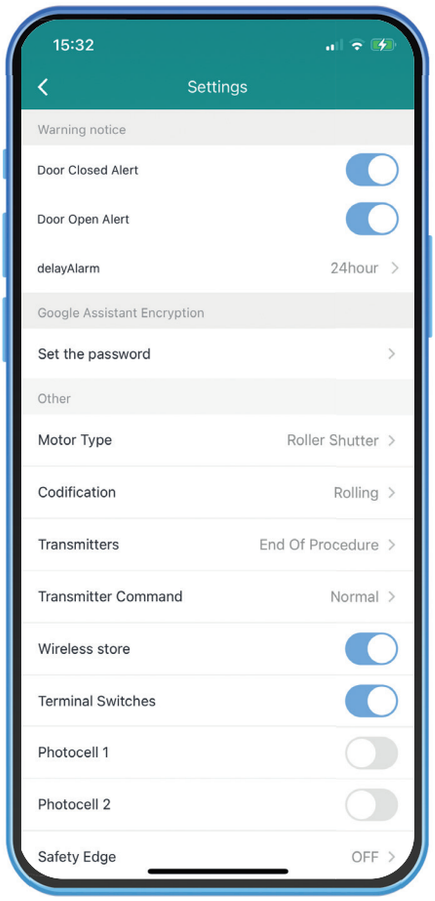
Grey: Is closed

6150 configuration menu

In home page, select ‘Settings’ for 6150 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	• Rolling • Open Rolling • Fixed • Profelmnet	Select based on the remotes
Remotes	• 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	• 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	• Deactivate • 8K2 • NC	Once the safety edge is activated, the gate stops and moves back 10 cm. 8K2: Use resistance 8,2KΩ for safety edge control NC: Use NC contact for safety edge control
Button	• Deactivate • Normal	Normal: Cycle button command (Open-Stop- Close)
Lamp	• Courtesy Light • Flashing Beacon Light • Warning Light	Flashing Beacon Light: The light is flashing during the cycle of the motor Courtesy Light : The light is steady for 3 minutes after the last command. Warning Light: The light indicates the status of the gate.
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
Decelearation	• 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	Default values • 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

Procedures description

Procedure number 1:
REMOTES

SAVE TRANSMITTERS

Through 6150 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 6150 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 6150 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.

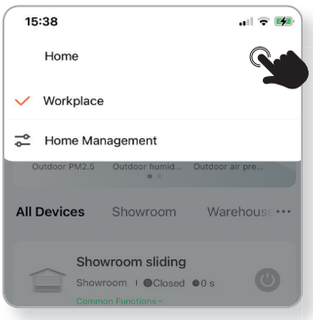
2. **Administrator:**
   The user who is able to make adjustments on the board

3. **Common User:**
   The user who is able to manage the device but not able to make adjustments

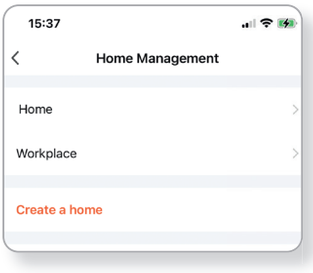
* The home owner can divide the 6150 control board into administrators or users depending on the degree of access they want to have to the control board

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

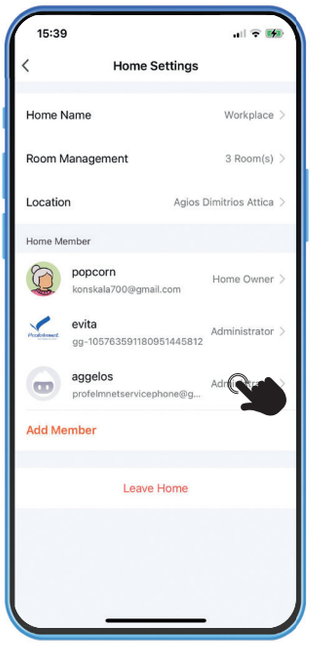
Sharing a HOME



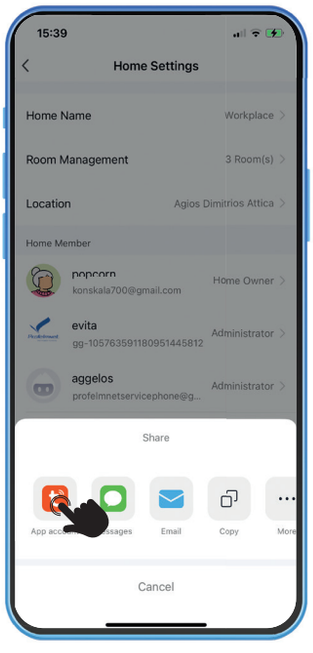
❶ On main page, select the home management



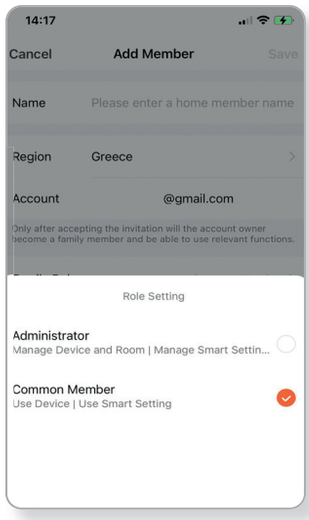
❷ Choose the home you want to share



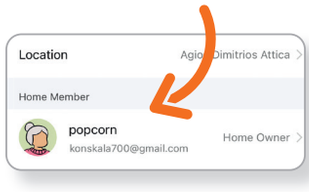
❸ Choose Members Addition



❹ Choose the Tuya account



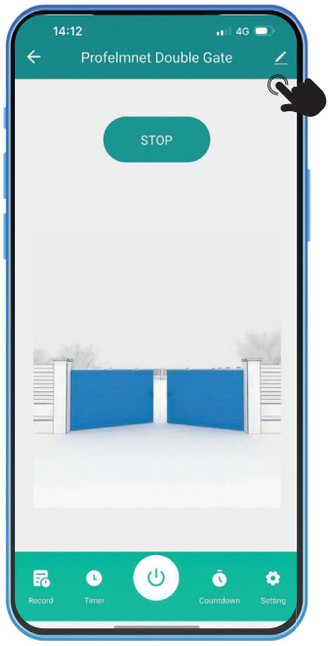
❺ Complete the Tuya account you want to share and select the type of user you want



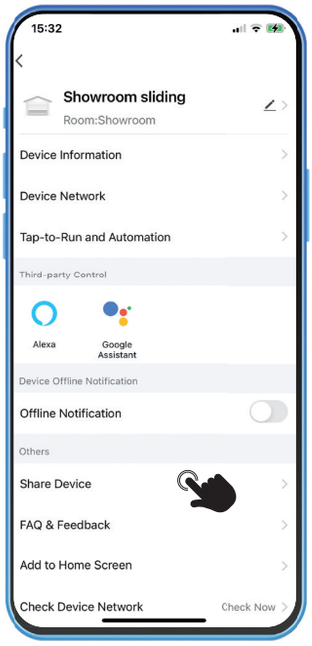
❻ The new account is added

Device Sharing

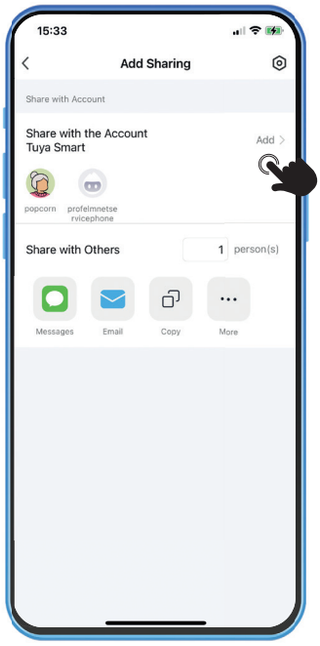
SHARE ACCESS
You can share access with family members or friends, allowing them to control the devices you want



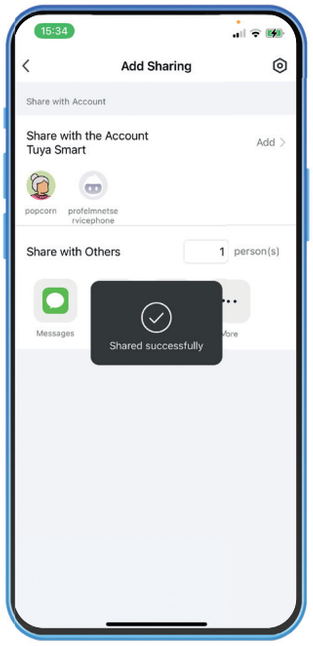
1. Go to home page and select the command as the image above shows



2. Select Share Device



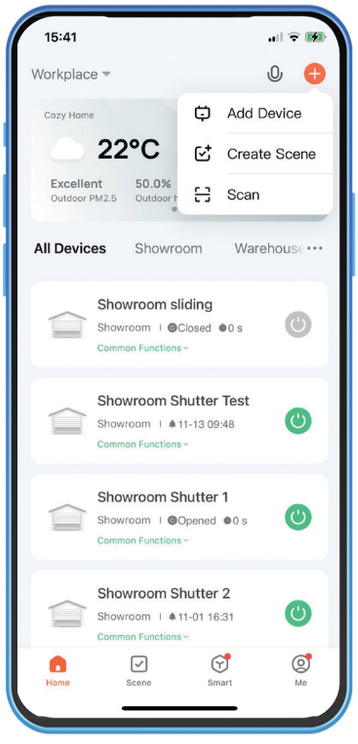
3. Choose ADD and type the TUYA account you want to share



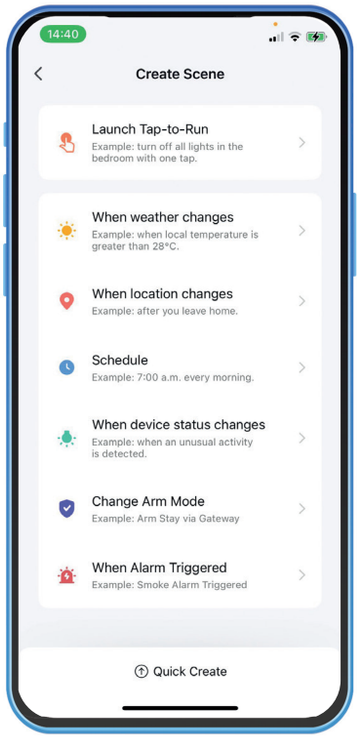
4. The device sharing is complete. The new user is able to see your device

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

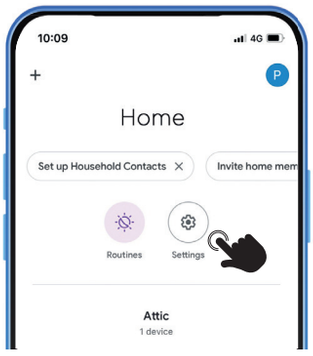
Google Home connection

+

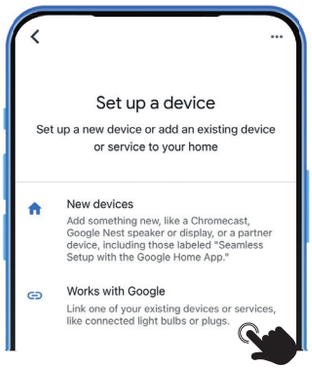
Google Home
APP

1. Download the Google Home application from Apple Store or Google Play.Create an account.

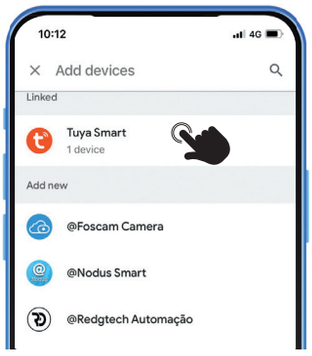
2. Synchronize the Tuya Smart application with Google Home



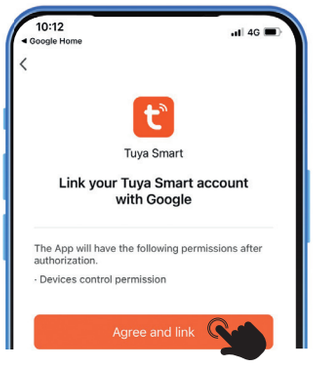
3. Open Google Home and press Settings



4. Select Works with Google



5. Open Google Home and find the Tuya Smart application



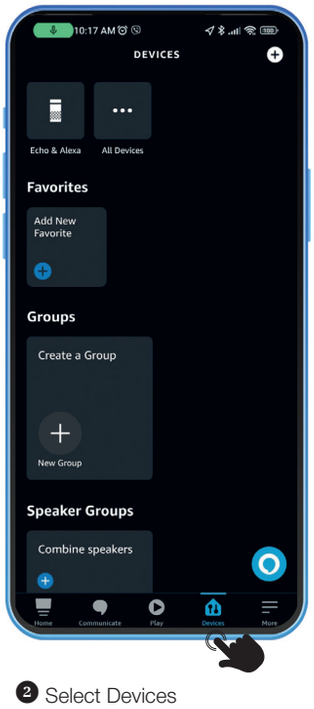
6. Press Agree and link

Alexa connection

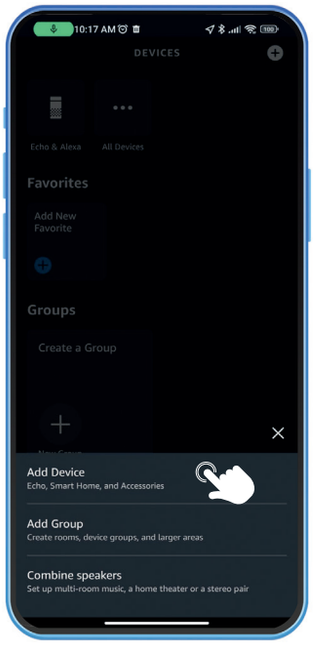
+

Amazon Alexa
APP

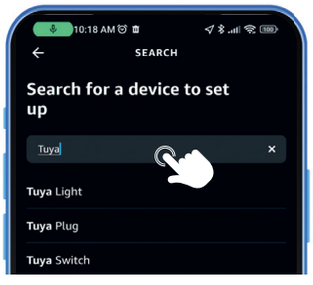
1. Download the AMAZON ALEXA from Apple Store or Ggoogle Play. Create an account



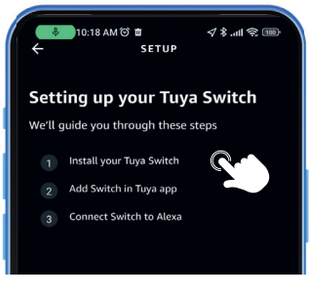
2. Select Devices



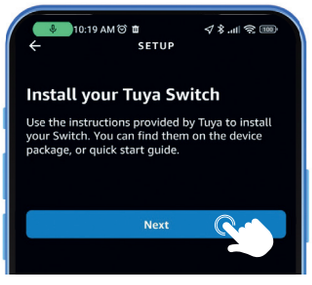
3. Choose Add new Device



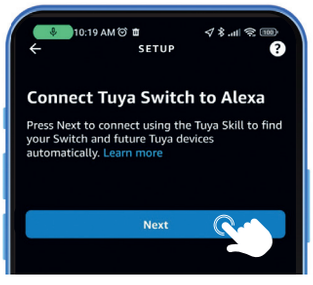
4. Find the Tuya Smart device (Tuya Switch)



5. Choose and press NEXT



6. Install and press NEXT



7. The device is added in AMAZON ALEXA

Notes:

THE POWER TO MOVE

Every Gate

www.profelmnet.com