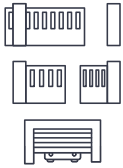


520015

GUARDIAN

EN Wi-Fi receiver module

Open your gate and garage door remotely



Made in
France



WiFi
2,4Ghz



Universal



At Home

works with the
Google Assistant

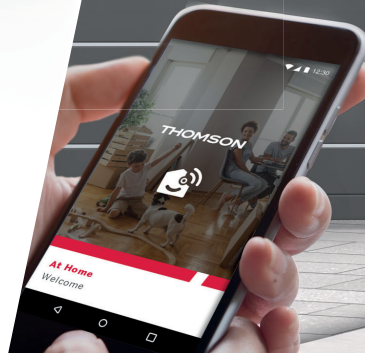
WORKS WITH
amazon alexa



2ans
Garantie



hotline



CONTENTS

A. SAFETY INSTRUCTIONS	5
1. OPERATING PRECAUTIONS	5
2. MAINTENANCE AND CLEANING	5
3. RECYCLING	5
B. PRODUCT DESCRIPTION	6
1. MICRO MODULE	6
C. INSTALLATION	7
1. OPERATION	7
2. CONNECTING THE GUARDIAN CONNECTED MODULE	7
3. INSTALLING THE MOBILE APPLICATION AND CREATING AN ACCOUNT	7
4. PAIRING THE MODULE	8
5. RESETTING THE MODULE	10
D. USE	11
1. USE WITH GOOGLE HOME	11
1.1. IF YOU HAVE AN ANDROID SMARTPHONE WITH GOOGLE ASSISTANT.	11
1.2. IF YOU HAVE AN ANDROID SMARTPHONE WITHOUT GOOGLE ASSISTANT OR AN IPHONE	11

2. PAIRING OF AN AT HOME CONNECTED OBJECT AND GOOGLE HOME	11
2.1. AT HOME	11
2.2. LINKING OF AT HOME AND GOOGLE HOME	12
2.3. GOOGLE HOME VOICE COMMANDS	14
3. ROUTINES	15
4. EXAMPLE OF ROUTINES	15
5. USE WITH AMAZON ALEXA	16
6. PROGRAMMING WITH ALEXA (WITH OR WITHOUT A SMART SPEAKER)	17
6.1. DETECTION OF CONNECTED OBJECTS IN THE ALEXA APP	18
6.2. CONFIGURING A PROGRAMME	19
6.3. EXAMPLES OF POSSIBLE USES WITH OTHER ELEMENTS FROM THE AT HOME RANGE	23

E. TECHNICAL AND LEGAL INFORMATION **24**

1. TECHNICAL CHARACTERISTICS	24
2. RADIO CHARACTERISTICS	24
3. WARRANTY	24
4. ASSISTANCE AND ADVICE	24
5. PRODUCT RETURNS - AFTER SALES SERVICE	24
6. DECLARATION OF CONFORMITY	25

A - SAFETY INSTRUCTIONS

1 - OPERATING PRECAUTIONS

- Do not allow children to operate the product.
- This product is designed exclusively for indoor use.
- This product is designed to work with smartphones with 2.4GHz Wi-Fi.
- The electrical installation must meet current standards (NFC 15-100) and should preferably be done by a qualified person.
- Do not use this product to control an electrical socket.

2 - MAINTENANCE AND CLEANING

- **Disconnect from the mains before carrying out any work on the device.**
- Your product does not require any specific maintenance.
- Use a soft, slightly damp cloth to clean your product.
- Do not use abrasive or corrosive substances.
- Do not spray any product directly onto the unit.

3 - RECYCLING

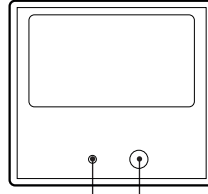
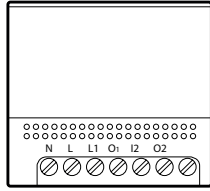


This logo denotes that devices no longer in use should not be disposed of as household waste. They are likely to contain hazardous substances that are dangerous to both health and the environment. Return the equipment to your local distributor or use the recycling collection service provided by your local council.



B - PRODUCT DESCRIPTION

1 - MICRO MODULE



1 **2**

N	Mains neutral input or GND
L1	Mains phase input or 24 V DC

1	Warning light
2	Reset button

C - INSTALLATION

1 - OPERATION

Placed in the switchgear for your gate or garage door automation, this micro module will enable you to control your gate or your garage door remotely from your smartphone and the Thomson At Home application. The module has two outputs, one to open the gate, the other to open in door mode if the motor drive allows it.

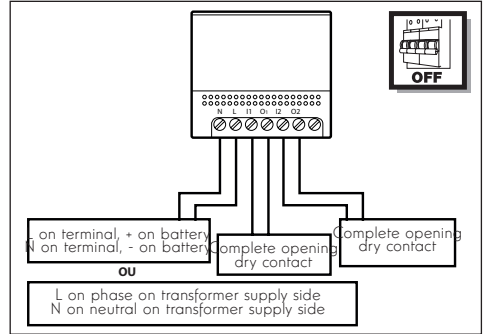
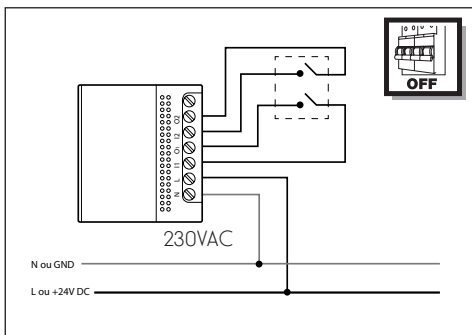
IMPORTANT: Before permanently attaching your accessory, it is recommended that you check the range. To do so, place your micro module as close as possible to its final location before you attach it and test your accessory.

Note: this module is compatible with all ADSL 2.4GHz routers.

IMPORTANT: The network compatibility of this device is 2.4 GHz WiFi - WPA/WPA2. Not compatible with 5 GHz WiFi or with WEP encryption. Please check the WiFi settings of your router or contact your Internet service provider if you experience connection difficulties.

2 - CONNECTING THE GUARDIAN CONNECTED MODULE

Connect the dry contact output wires as on the diagram below. The module can be powered either by 230V AC mains voltage or by DC 24V voltage which may come from a solar kit. Observe the polarity **+/-**. Once connected and verified, switch on the module. The warning light will flash. If it does not, check your connection.



IMPORTANT: wiring work must only be performed when the equipment is disconnected from the power supply.

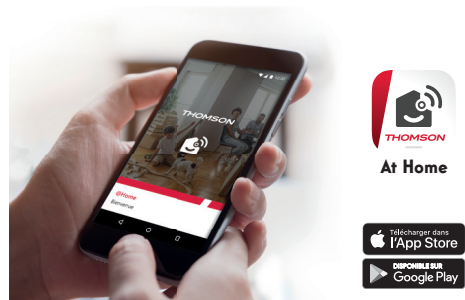
To locate the dry contact output connections and the power supply for the GUARDIAN module on the electronic card, see the instructions for your gate automation device.

If you do not have a 24 V DC power supply (battery or solar kit), power the module using 230 V AC.

3 - INSTALLING THE MOBILE APPLICATION AND CREATING AN ACCOUNT

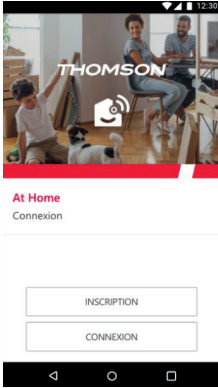
Once the Guardian module is connected, follow the instructions below to pair it: The 230 V AC power supply or solar kit must be operational.

Download the Thomson At Home app from the Android Play Store or Apple App Store



Launch the app and log in if you already have an account. If you do not, press **REGISTER** and follow the app guide

C - INSTALLATION



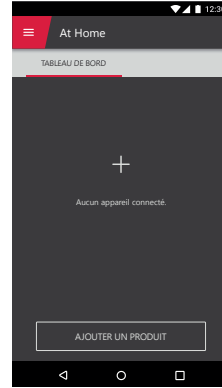
Once you have entered your email address and password, you will receive a confirmation code in your inbox. Enter this code to finalise the registration.



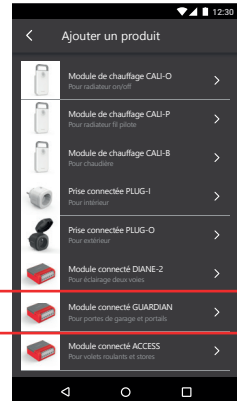
4 - PAIRING THE MODULE

Your phone must be connected to the same 2.4 GHz Wi-Fi network as your ADSL box.

To start pairing, press **ADD A PRODUCT**. Ensure that your phone is connected to the 2.4 GHz WiFi network of your ADSL router



Select the product you wish to pair and select the **GUARDIAN** module.



Check the connection and press **START CONFIGURATION**.

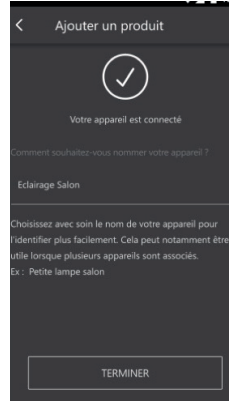
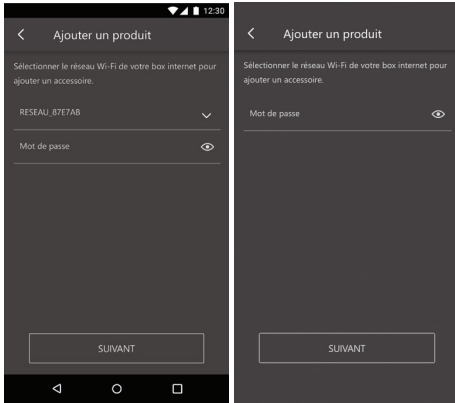


C - INSTALLATION

Select your 2.4 GHz Wi-Fi network, enter your network password and press **NEXT**.

Android Version

IOS Version

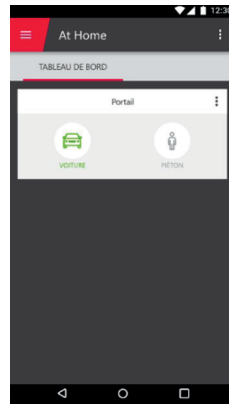
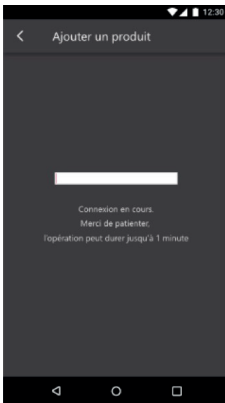


Please wait while the pairing procedure takes place. This stage can last several minutes.

In case of failure, check the Guardian module Wi-Fi range. To do so, set up short wiring, in the vicinity of your Wi-Fi network. Check your network password and check that you are on 2.4GHz WiFi. Next, perform a reset and restart the procedure (see page 10).

Your module is now operational and appears in your dashboard. Wait until the icons change from grey to black (indicating confirmation that the module is connected to your WiFi network).

You can now control your gate from your smartphone.



Your module has been successfully paired. You can set a name and press **FINISH**.

The icon changes to green a few seconds after gate activation. If this does not happen and the icon remains grey, you must have a connection problem. Check the range and your WiFi connection. Check also that the module is still powered.

C - INSTALLATION

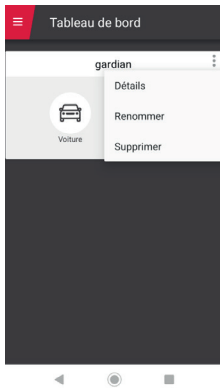
From this step, you can add this device to the Google Home and Alexa voice assistants.

If you want to give access to your family, they must download the Thomson At Home app and connect to the account on which the module is saved.

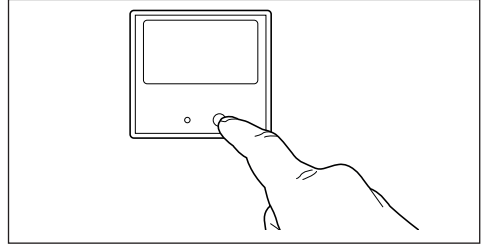
If your Wi-Fi range is not sufficient to reach your gate, we recommend placing the module inside your home (within radio range) and using 2 connecting wires from the module to your gate opening mechanism (0.75 mm over 50 m max.).

5 - RESETTING THE MODULE

The following instructions may help you if you have any problems during the pairing procedure:



A long press (more than 15s) on the button located on the back of the module enables you to reset the module. The module will start to flash rapidly to confirm the operation. The module must also be deleted from the application.



The reset process can take 2 to 3 minutes

The LED located on the control module gives the following indications:

- **Fast flashing:** The module is in pairing mode with the smartphone
- **Slow flashing:** The module is connecting to the server
- **LED off:** The module is connected. It can be controlled or it is switched off!

D - USING THE PRODUCT

1 - USING THE PRODUCT WITH GOOGLE HOME

Google Assistant can help you control your connected devices.

For example, you can use the following commands:

- "OK Google" Activate the gate
- "OK Google" Activate the garage door

For more information on device names or creating/linking a room, please consult Google support.



One tip however: if you connect multiple modules within the same zone, and to prevent unwanted commands, we recommend you do not use the group name suggested by Google Home (bedroom, office, living room, etc.) when naming your control module.

In the event of problems with the Google Home application or configuration of the device in Google Home, contact Google support.

The setting up procedure depends on your smartphone and requires an Internet connection:

1.1. If you have an Android smartphone with Google Assistant.


Your devices need to be paired in the **Thomson At Home** app to be controlled with Google Assistant. They must be connected on the same WiFi network.

- Connect the devices to Google Assistant:
 - On your Android tablet or phone, long press the home button or say "OK Google".
 - In the lower right-hand corner, press .
 - Press the logo at the top right, then Settings > Assistant > Home control.
 - In the "Devices" tab, press Add devices .
 - Select the **Thomson At Home** app then follow the instructions.
 - Once successfully linked, press OK.

Your product is now connected in Google Assistant and you can use voice control with it.

1.2. If you have an Android smartphone without Google Assistant or an iPhone

Your devices must be paired on the **Thomson At Home** app in order to be controlled with Google Assistant. They must be connected on the same WiFi network.

- Connect the devices to Google Assistant
- On your tablet or phone, install and start the Google Home app and log in to the relevant account for your Google Home speaker.
- In the bottom right corner, press **Account** 
 - Next, press **Set up** or **Add > Set up device**.
 - Press **Have something already set up?**
 - In the list that appears, press **At Home**
 - Enter the login and password for the **At Home** account for the app by the same name to authorise Google Assistant to add and interact with your **At Home** accessories.

2 - PAIRING OF AN AT HOME CONNECTED DEVICE AND GOOGLE HOME

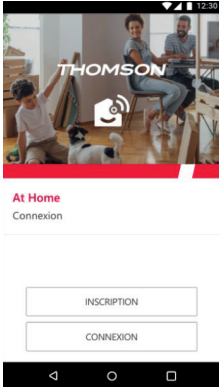
This part explains in detail how to pair an At Home connected device with your Google Assistant. A smart plug will be used in this example.

Important: your telephone must be connected to the same 2.4GHz WiFi network as Google Home and the At Home accessories

2.1. At Home

Check that an **At Home** account has been created beforehand. If you don't have one, please create one, referring to the section on page 8 and ensure that your accessories work through the **At Home** app.

D - USING THE PRODUCT



It is recommended that **a unique name** such as "Aquarium" or "Lounge light" be used, **to avoid issues with your voice command assistant.**

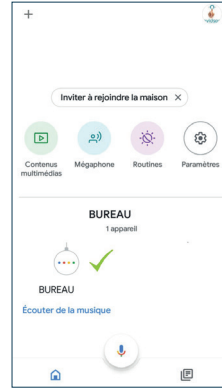
2.2. Linking of At Home and Google Home

The following information may vary depending on updates to the Google Home app or your operating system.

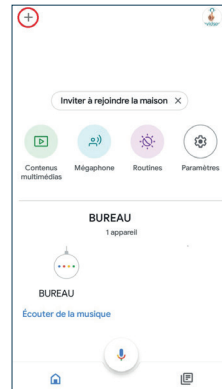
Ensure that you have configured your Google Home correctly, then launch the Google Home app.



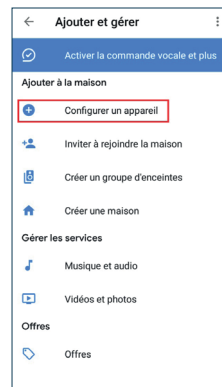
Open the Google Home app and ensure that your Google Home speaker is properly linked to your account (if not, refer to the speaker's Google Home user guide or contact Google Home customer service)



Click on the **+** button

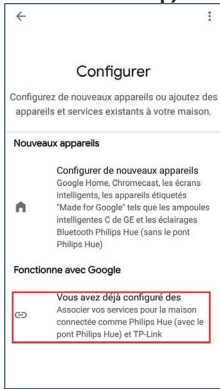


Press on **"Configurer un appareil"** (Configuring a device)

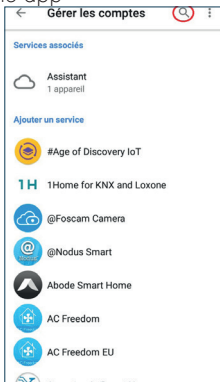


D - USING THE PRODUCT

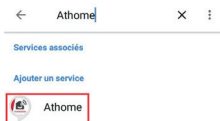
Press on **"Vous avez déjà configuré des appareils"** (You already have devices set up)



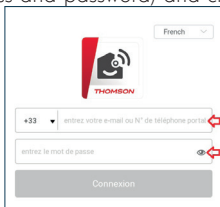
Press on the magnifying glass to carry out a search in the At Home app



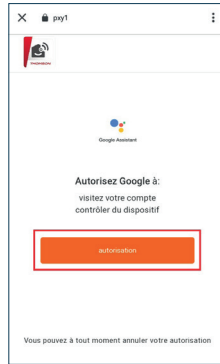
Enter **At Home** and click on the **At Home** logo



The Google Home app will ask you to login to your At Home account. Enter your **At Home** login details (email address and password) and click on login.



Click on **"Autorisation" (Permission)**.



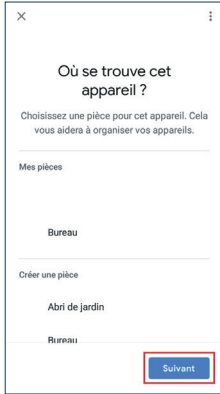
Once your **At Home** account has been linked to Google Home, your accessories will appear automatically.

You will be able to allocate each device to a particular room in order to find it more easily. Select the desired accessories and then click on **"ASSOCIER A UNE PIECE" (ALLOCATE TO A ROOM)**.



The list of your Google Home rooms will appear. Select the desired room and click on **"Suivant" (Next)**:

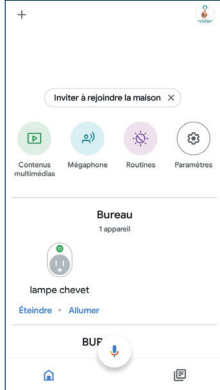
D - USING THE PRODUCT



Press on **OK**



The list of connected devices now appears on the homepage of the Google Home app.



2.3. Google Home Voice Commands

Google Home voice commands are based on the name of the accessory, and possibly the room to which the accessory is allocated.

For a remote-controlled plug

To turn on the remote-controlled plug, say:

- "OK Google Turn on the remote-controlled plug"

To turn on the remote-controlled plug specifically allocated to the living room, say:

- "OK Google Turn on the remote-controlled plug in the living room"

To turn off the remote-controlled plug, say:

- "OK Google Turn off the remote-controlled plug"

To turn off the remote-controlled plug specifically allocated to the room, say:

- "OK Google Turn off the remote-controlled plug in the living room"

For a RGB DIANE lamp

To turn on the DIANE lamp, say:

- "OK Google Turn on the lamp"

To turn off the DIANE lamp, say:

- "OK Google Turn off the lamp"

To adjust the brightness of the DIANE lamp

For 100% brightness, say:

- "OK Google Set the lamp to 100"

For 10% brightness, say:

- "OK Google Set the lamp to 10"

To change the colour of the DIANE lamp 2

- "OK Google Set the lamp to green"

- "OK Google Set the lamp to blue"

For a WiFi lighting module

To turn on exit 1, say:

- "OK Google Turn on lamp 1"

To turn on exit 2, say:

- "OK Google Turn on lamp 2"

To turn off exit 1, say:

- "OK Google Turn off lamp 1"

To turn off exit 2, say:

- "OK Google Turn off lamp 2"

D - USING THE PRODUCT

For a GUARDIAN receiver module

To open the gate, say:

- "OK Google Open the gate"

To close the gate, say:

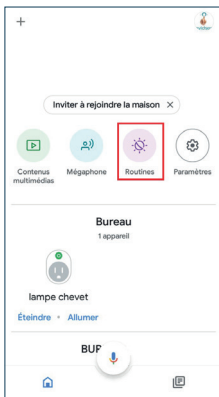
- "OK Google Close the gate"

3 - ROUTINES

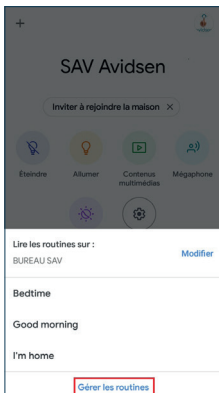
The Google Home app allows you to set up operating routines. A routine is a voice or time command that will direct one or more devices linked to your Assistant.

Take note, each routine equals one command (a lighting command for example). To reverse the status of an accessory (for example to turn it off), a second routine will need to be created with a suitable command.

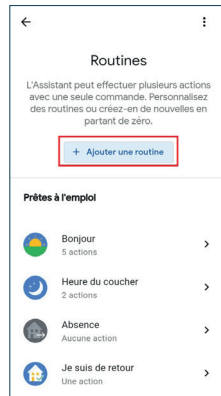
To create a routine, press on **Routines**



Then **"Gérer les routines" (Manage routines)**



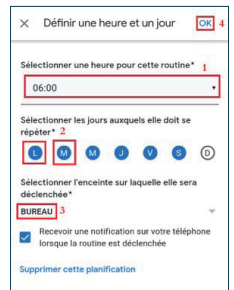
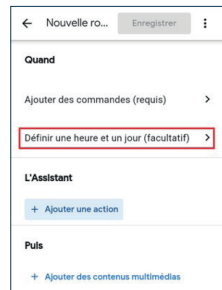
Then press on **+ "Ajouter une routine" (Add a routine)**



4 - EXAMPLE OF ROUTINES

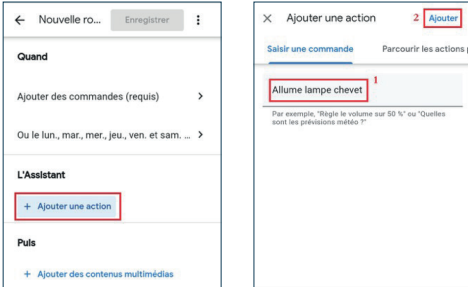
(Switching on/Switching off at a specific time)

Click on define a time and day. Select the desired time (1), and then select the day of the week affected by the command (2). Select the speaker that is to manage the routine (3). Confirm by pressing on OK (4).

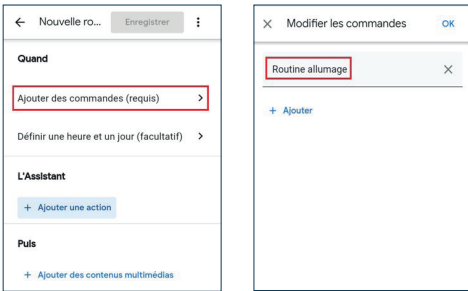


Click on **"Ajouter une action" (Add an action)**, then on **"Saisir une commande" (Enter a command)**, write down the order that you normally give orally to your Assistant to direct the accessory. You can add several actions to manage several different devices at the same time. Click on **"Ajouter" (Add)** to confirm.

D - USING THE PRODUCT

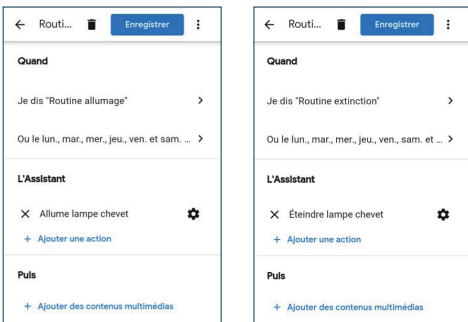


Click on **"Ajouter des commandes" (Add commands)**. Write down the order you want to give your assistant orally to allow it to order the routine, without going through the time programming schedule.



Presence simulation

You will need to create a switching on and switching off routine at different times.



5 - USING WITH AMAZON ALEXA

The Amazon Alexa Assistant can help you control your connected devices.

For example, you can use the following commands:

- "Alexa" Activate the gate
- "Alexa" Activate the garage door

Download and install the Amazon Alexa app from the Play Store or Apple store.

Your devices must be paired in the Thomson At Home app to be controlled by the Amazon assistant. They must be connected on the same Wi-Fi network.

• Installing the At Home Skill

- In the Amazon Alexa app, press the menu at the top left-hand side and select "Skills and Games"
- Search for At Home in the list of skills or use Search at the top right-hand side
- Select the At Home Skill and activate for use
- Enter the account used in the Thomson At Home app
- Once the skill is correctly paired, press the cross at the top left-hand side.
- The app will offer to search for devices. Press Detect devices.

• Connect devices to Amazon Echo

- Using the guided Search to connect an automated device
 - In the Amazon Alexa app, press the menu at the top left-hand side and select Add a device.
 - Select the type of device you want to connect.
 - Select the brand and follow the instructions on the screen.
- Use voice command to connect an automated device.
 - Once a skill is installed, say "Alexa, find new devices".
 - After 45 seconds, Alexa will give you the devices found.

For more information about Amazon Alexa, see Amazon support.

One tip however: if you connect multiple modules within the same zone, and to prevent unwanted commands, we recommend you do not use the group name suggested by Alexa (bedroom, office, living room, etc.) when naming your control module.

D - USING THE PRODUCT

In the event of problems with the Amazon Alexa application or configuration of the device in Amazon Alexa, contact Amazon support.


6 - PROGRAMMING WITH ALEXA (WITH OR WITHOUT A SMART SPEAKER)

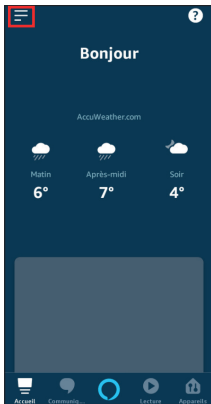
Download the Amazon Alexa app and install it.

The following information may vary depending on updates to the Alexa app or your operating system. Make sure that you have configured Alexa correctly, and then launch the Alexa app.

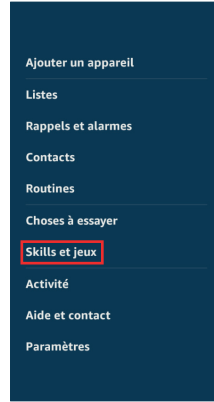
Set up your Alexa account, even if you do not have a speaker.

Install the **Thomson At Home** skill

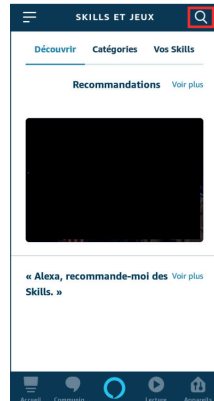
On the main menu, click on 



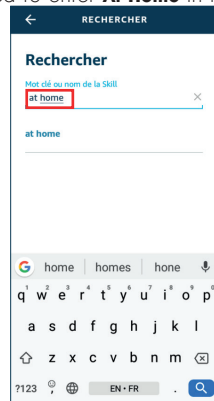
Click on **"Skills et jeux" (Skills and games)**



Select 

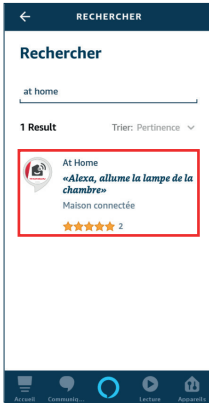


Then you need to enter **At Home** in the search bar,



D - USING THE PRODUCT

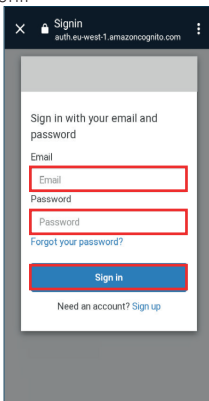
then select **At Home** in the results.



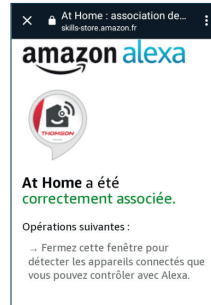
Activate the skill,



and enter the email address and password for your **At Home** account.

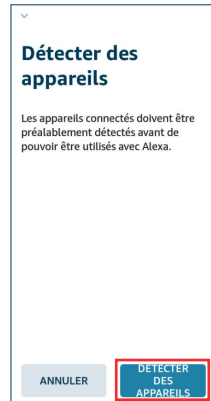


The **At Home** skill is paired with Alexa.

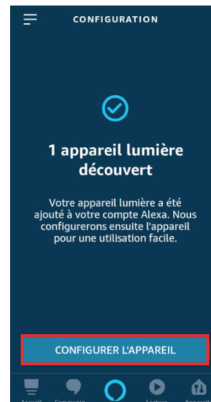


6.1. Detection of connected objects in the Alexa application

Select "DETECTER DES APPAREILS" (DETECT DEVICES)



then "CONFIGURER L'APPAREIL" (CONFIGURE THE DEVICE)



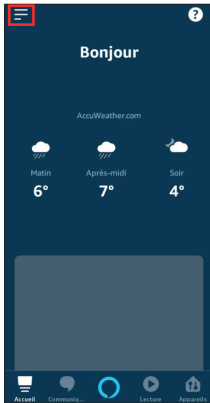
You can now create routines and programme them.

D - USING THE PRODUCT

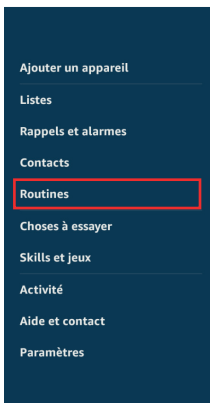
6.2. Configuring a programme

Our example covers the programming of lighting. You need to follow the same process to programme your operating module.

On the main menu, click on .



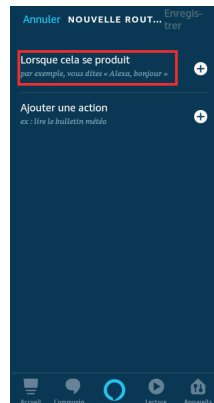
select **"Routines"**,



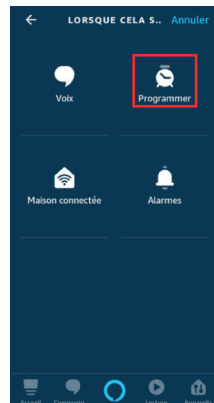
then **"+"**,



and finally **"lorsque cela se produit"** (when this happens).

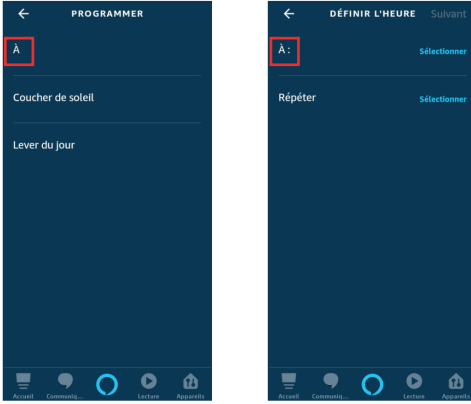


You first need to select the action that will be triggered. To do this, press on **"Programmer" (Programme)**,

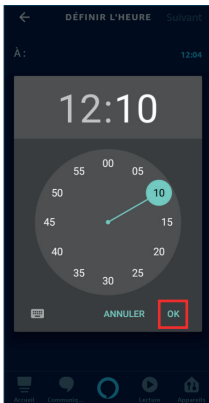


D - USING THE PRODUCT

Then on "A", twice



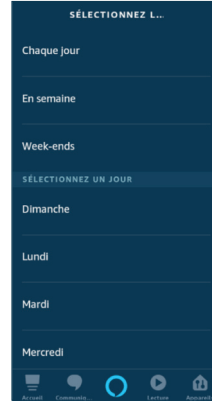
then set the start time for the action and click on "OK"



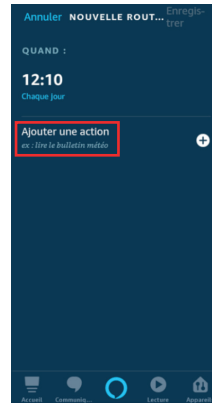
Then select the day(s) on which the sequence should be triggered. Press on "Répéter" (Repeat),



and then select the desired frequency.

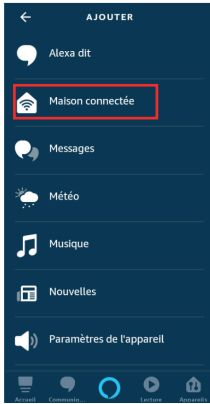


Now that a condition has been added, you need to define an action, so select "Ajouter une action" (Add an action)

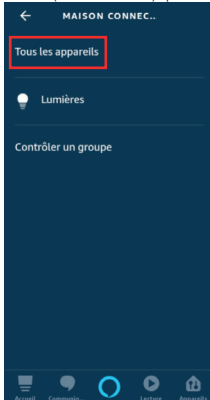


D - USING THE PRODUCT

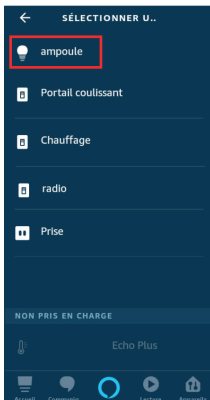
and "**Maison connectée**" (Smart home).



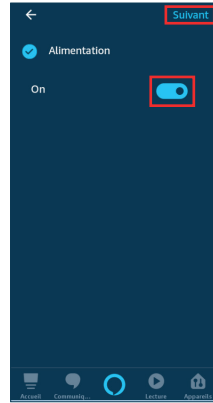
Select the group of devices or click on "**Tous les appareils**" (All devices) for more detail,



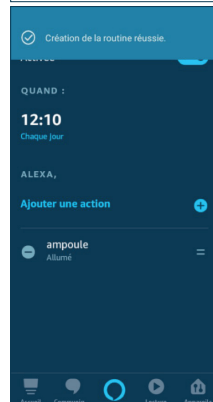
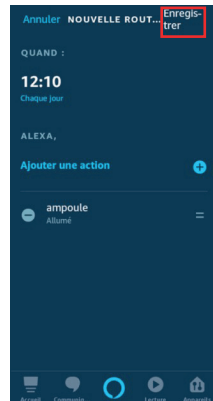
and then select the device to be programmed.



Indicate **ON** or **OFF** (*ON in this example*), and press on "**suivant**" (next),



then on "**enregistrer**" (save).

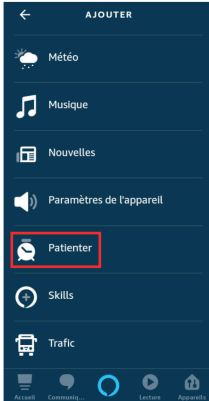


D - USING THE PRODUCT

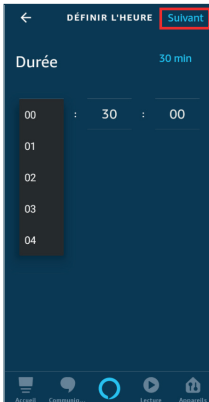
Our example shows how to programme a micro module or a smart plug. The same process needs to be followed to programme its turning off.

You can also add a duration for an action to programme it to turn off.

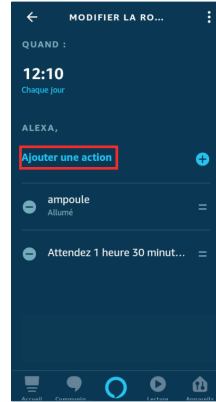
Click on **"ajouter une action"** (add an action), then on **"patienter"** (wait),



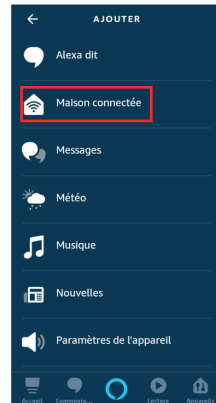
set the duration of the action, then **"suivant"** (next)



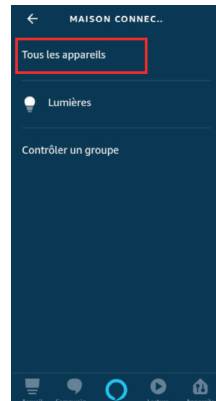
Now you only need to programme the final action in this time delay sequence. Press on **"Ajouter une action"** (Add an action)



then on **"Maison connectée"** (Smart home).

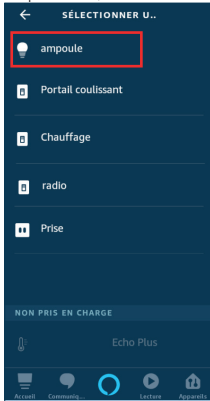


"Tous les appareils" (All devices)

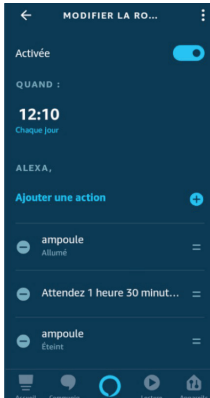
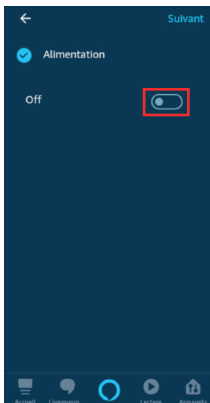


D - USING THE PRODUCT

Select the same product,



and associate it with an "Off" action.



You have completed the programming. Your lighting will turn on at a set time, and then turn off after operating for 1.5 hrs.

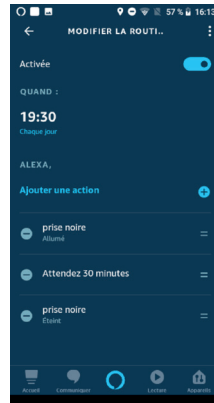
You need to follow the correct order of actions. If you need to move a particular action, keep = pressed down, and move the action.

Several instances of programming need to be based on the same principle. We do, however, advise you to watch the tutorials and instructions provided by Amazon Alexa

6.3. Examples of possible uses with other elements from the At Home range

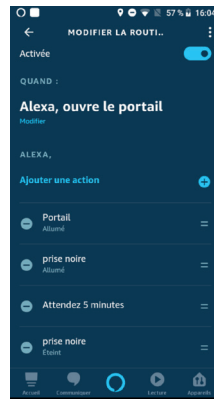
Presence simulation:

Automatic turning on of a television to simulate presence from 19:30 to 20:00



Use of a lighting kit for a gate:

Automatic turning on of lights for 5 minutes after opening the gate



E - TECHNICAL AND LEGAL INFORMATION

1 - TECHNICAL CHARACTERISTICS

- **Reference** 520015
- **Maximum power:** dry contact only (5A max.)
- **Features:** opens gates and garage doors
- **Connection:** Wired with two outputs
- **Cable section** up to 1.5mm²
- **Outdoor use** in a protective case with at least IP44 rating
- **Operating T°:** -20°C/+50 °C
- **Storage temperature:** -20 °C/+70 °C
- **Power supply:** 230 V AC / 50 Hz or +24 V DC
- **Average consumption:** < 1 W
- **Colour:** red and charcoal grey
- **Protection rating:** IP20
- **Weight:** 65 g
- **Dimensions:** L 43.5mm x H 45mm x D 19.5mm
- **2-year warranty**

2 - RADIO CHARACTERISTICS

- **Radio protocol:** 2.4 GHz WiFi
- **Protocol:** 802.11 b/g/n
- **Maximum transmitting power:** 100 mW
- **Range:**
 - up to 30m indoors.
 - up to 25m if going through walls

3 - WARRANTY

This product is guaranteed for parts and labour for 2 years from the date of purchase. It is essential to retain the proof of purchase for the duration of the warranty period.

The warranty does not cover damage caused by knocks or accidents. Product dismantling and reassembly costs are not covered. The warranty does not cover damage caused by misuse, improper use, improper installation, external intervention, damage due to physical or electrical shocks, dropping or atmospheric phenomena. None of the parts of this product may be opened or repaired by any persons not employed by Avidsen. The warranty will be void if the device is tampered with.

Avidsen undertakes to keep a stock of spare parts for this product throughout the contractual warranty period.

4 - ASSISTANCE AND ADVICE

- If, despite the care we have taken in designing our products and drafting these instructions, you do encounter difficulties when installing your product or you have any questions, we urge you to contact one of our specialists who will be glad to help.
- If you encounter operating problems during the installation or a few days afterwards, it is essential that you are in front of your installation when contacting us, so that one of our technicians can diagnose the source of the problem, as it will probably be the result of a setting that is incorrect or an installation that is not to specification. If the problem is caused by the product itself, the technician will give you an RMA number so that you can return the unit to the shop.
Without this RMA number, the shop may refuse to exchange your product.

Contact our after sales service team technicians:

0 892 701 369 Service 0,35 € / min
+ prix appel

Monday to Friday, 9AM to 12PM and 2PM to 6PM CET.

Alternatively, talk to our chatbot free of charge:

<https://www.avidsen.com/chatbot-thomson.html>

5 - PRODUCT RETURNS - AFTER SALES SERVICE

If, despite the care we have taken in designing and manufacturing your product, it needs to be returned to our customer service centre, you can check the progress of the work on our website at the following address:
<https://www.avidsen.com/nos-services>

E - TECHNICAL AND LEGAL INFORMATION

6 - DECLARATION OF CONFORMITY

Avidsen declares that the equipment complies with the essential applicable requirements of RED Directive 2014/53/EU.

Directive 2014/35/EU: (protection of users' health and safety)

- **EN 60669-1: 1999 + A1: 2002 + A2: 2008**
- **EN 60669-2-1:2004 + A1:2009 + A12:2010**
- **EN 60669-2-2:2006**
- **EN 62311:2008**

Directive 2014/30/EU: (protection requirements relating to electromagnetic compatibility).

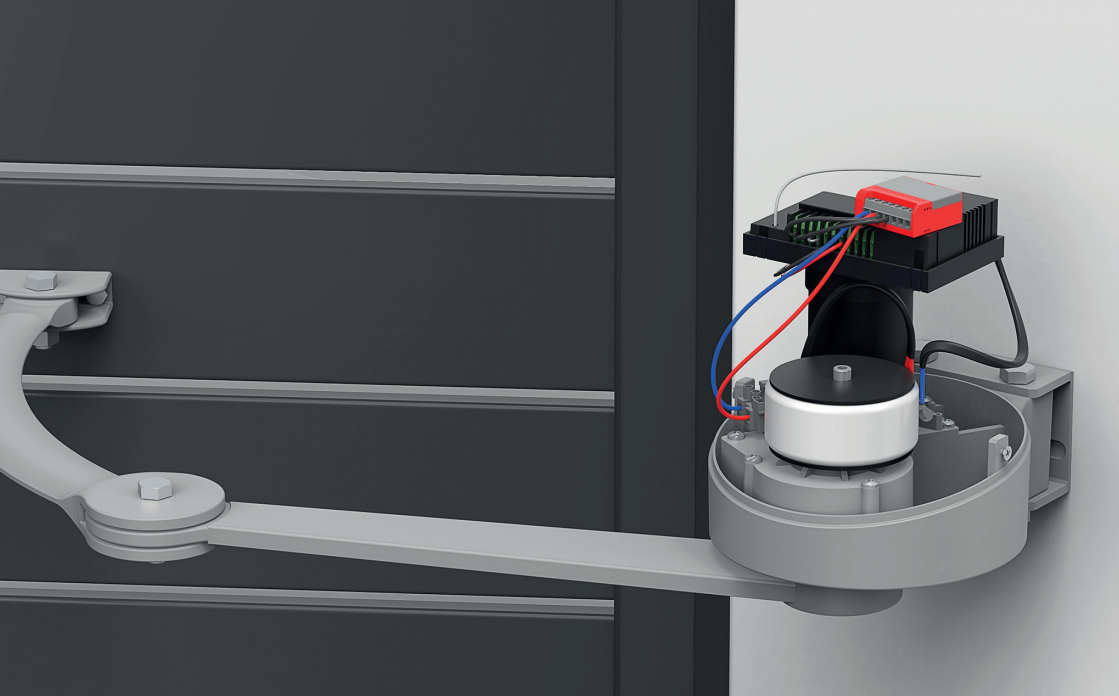
- **EN 301,489-1 V2.1.1**
- **EN 301,489-17 V3.1.1**

Directive 2014/53/EU: (efficient use of the radio spectrum, in order to avoid harmful interference).

- **EN 300,328 V2.1.1**

Tours, 19/08/2019
Alexandre Chaverot, CEO





THOMSON

Avidsen
19 avenue Marcel Dassault
ZAC des Deux Lions - 37200 Tours - France

www.mythomson.com