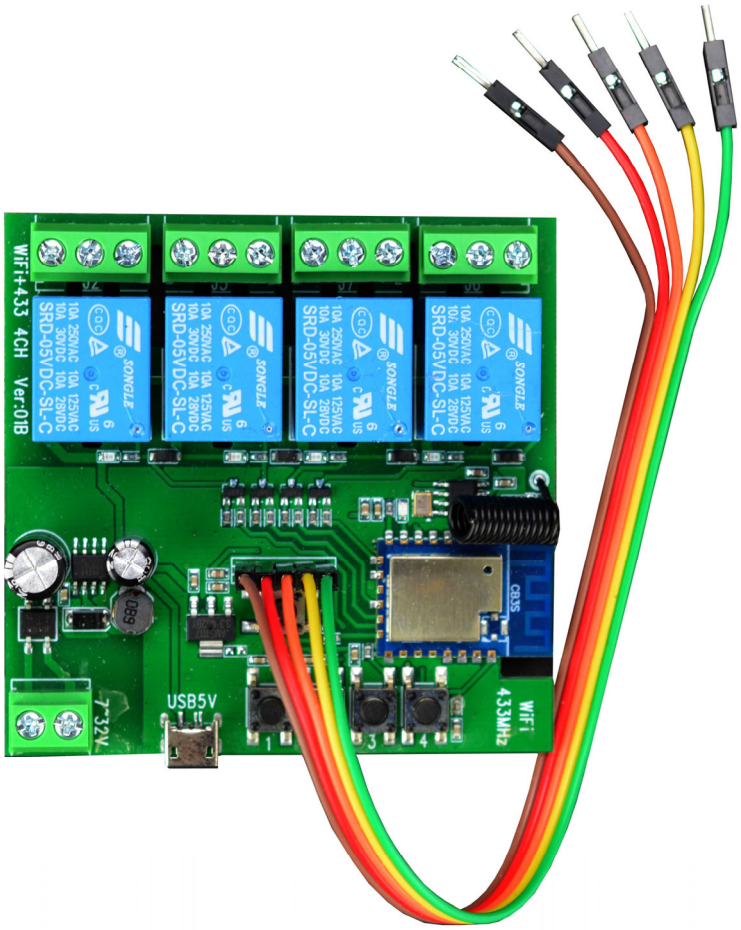
WiFi remote controls

DM-WFC-4R



Installation manual

How to install wifi remote control

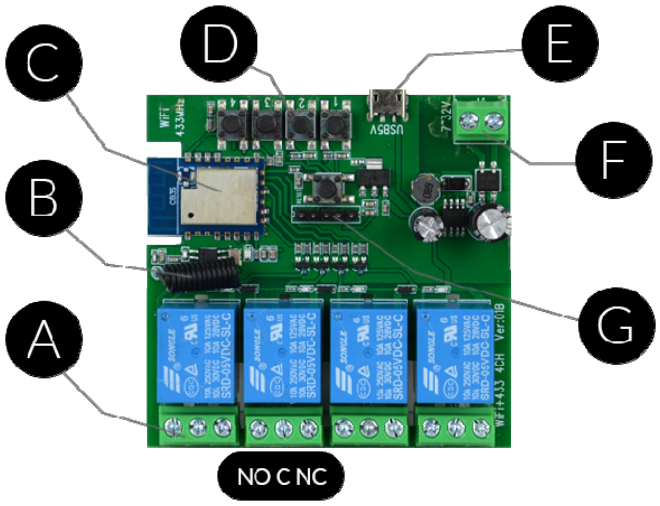
What did you purchase

These wifi remote controls are devices that can add remote control via the Internet via WiFi to any electrical device. You can connect these remote controls to your WiFi network and then operate them as you wish with the included app, both via local WiFi connection and via the Internet, when you are not at home.

This manual explains how to install and configure the devices.

Electrical connection DM-WFC-4R

DM-WFC-4R is an electronic board with 4 NO/NC relays that can be controlled remotely via WiFi. The relays can operate either in a stable (ON/OFF) or impulsive manner, with a programmable operating time. You can use this remote control board to operate up to 4 electrical devices up to 10A, such as lighting, acoustic signals, irrigation, etc. The board also has 4 inputs to connect any local control buttons. In this way you can operate the device either via the app with the wifi or with the local switch. The product also has an RF receiver for 433 MHz radio controls with 1527 coding.



TO -Relay for 10A AC/DC

B –RF receiver for 433MHz radio controls coding 1527 **C –**2.4GHz WiFi

D –Buttons for direct control of the relays **AND -** 5VDC microUSB power input **F –**7-32 VDC power input **G –**Inputs for local button commands

POWER CONNECTION

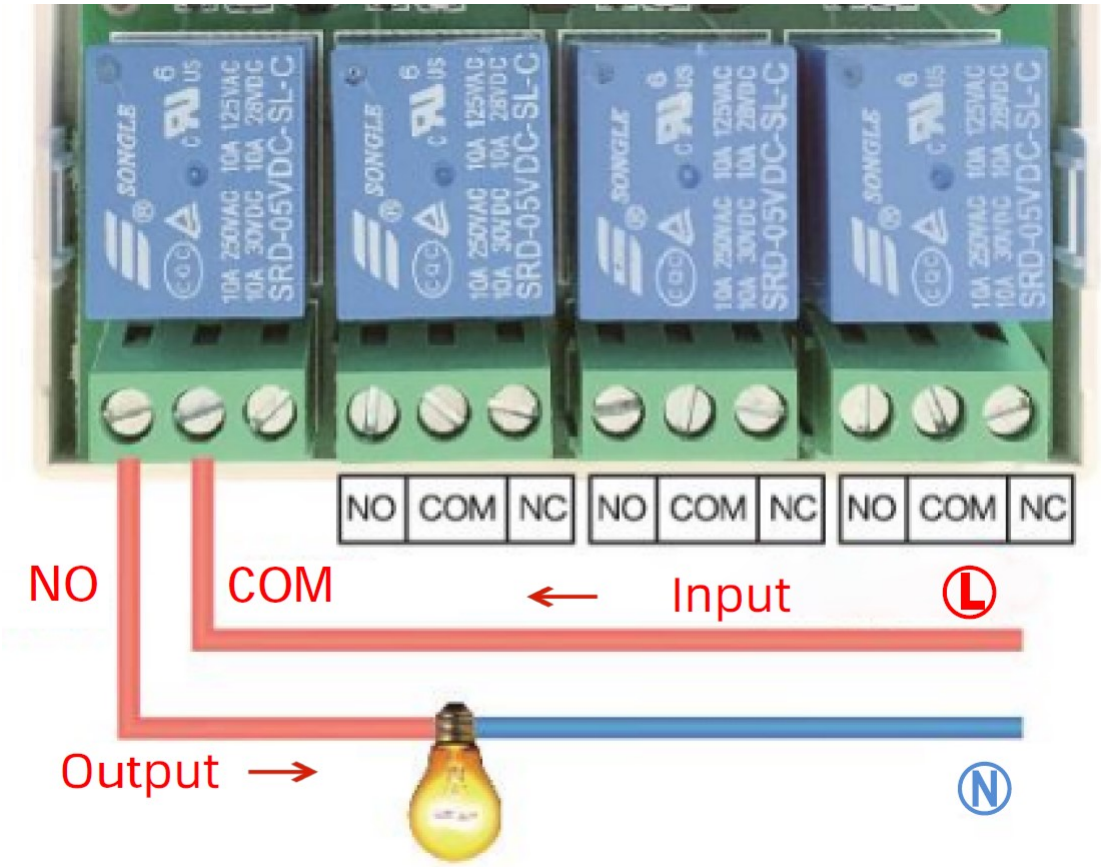
The product has two power alternatives.

You can connect a power supply with a 5VDC microUSB socket to socket E.

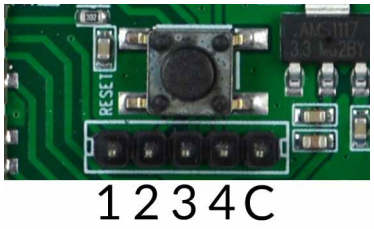
Alternatively you can connect a direct current from 7 to 32VDC to terminal block F

CONNECTION OF RELAYS

The 4 relays can directly control loads up to 10A with a maximum voltage of 250VAC or 30VDC. Each relay has 3 terminals: the central one is COMMON, if you use the terminal on the left you will get a NO contact, normally open, if you use the one on the right you will get a NC contact, normally closed. Here is an example of how you can control an alternating current load with a NO contact, i.e. with the load not powered with command at rest. The operation of the relay is configured with the app.



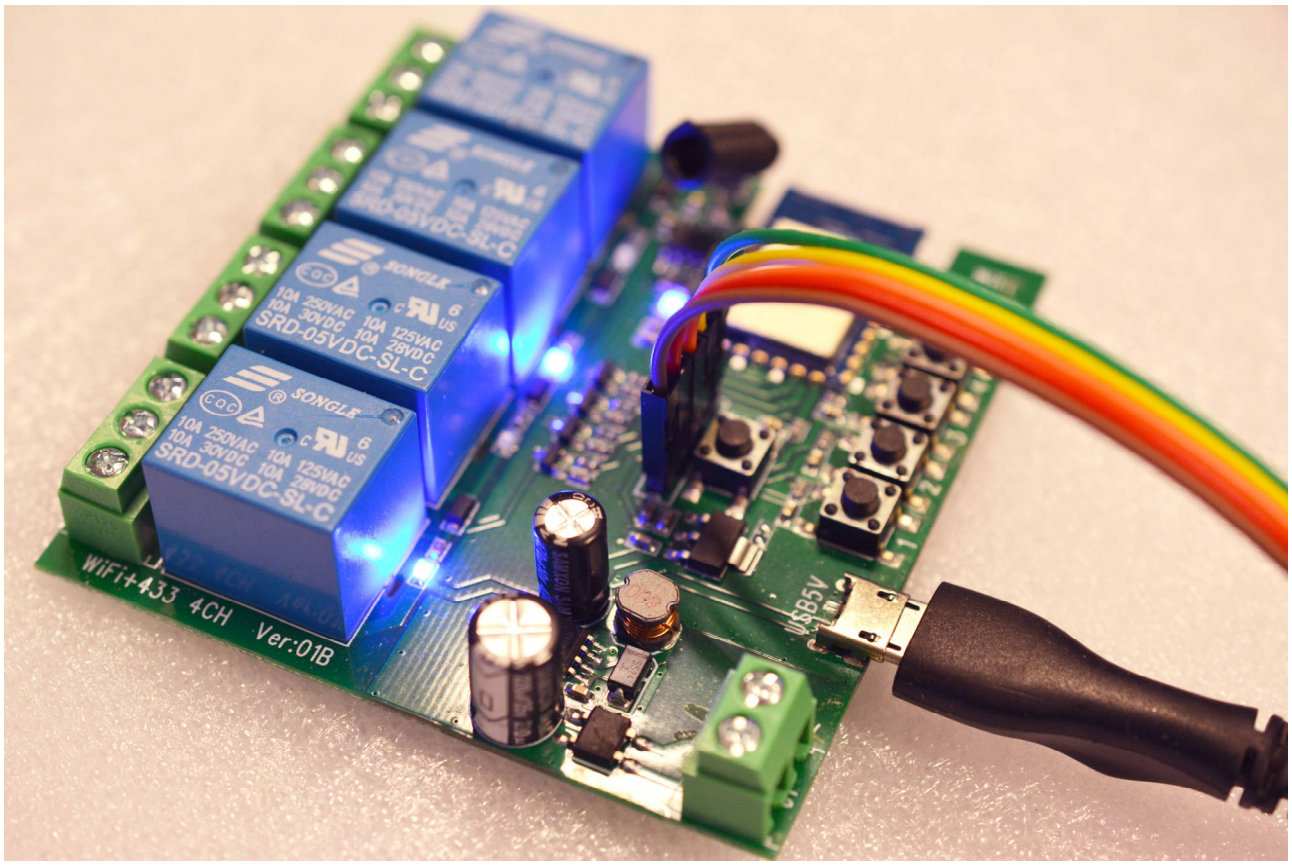
CONNECTION OF LOCAL BUTTONS



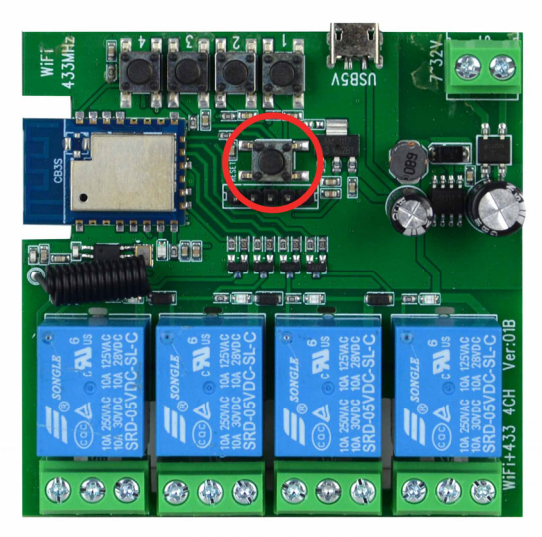
The 4 relays on this board are mainly controlled via app, however it is also possible

connect local physical commands. To do this, 5 pins are available in the center of the board. The buttons connect between common pin C and pins 1.2.3.4

You can connect both buttons and ON/OFF switches to these local inputs. You can define the operation of these local commands through the app (pulse for change of state or relay that follows the state of the command) in order to adapt them to the command you have connected.



RESET BUTTON



In the center of the board there is the reset button. If you hold down the reset button for 5 seconds you restore the factory settings and the device goes into app configuration mode with the blue LED flashing quickly.
For this reason the reset button is also used for the first installation, to bring the remote control into configuration mode.
If you had already paired the device with the app and reset, you will first have to delete the device in the app then pair it again.

RADIO CONTROL RECEIVER

The board is equipped with a 433MHz radio control receiver with 1527 coding. You can associate a radio control, with a pre-programmed code, to each of the relays, through the app.

Positioning

When choosing the installation position of the product, pay attention to these precautions

CHECK WIFI COVERAGE

Before placing the remote control in its final location, remember that this device must connect to your WiFi network in order to function. You should therefore check with your mobile phone that there is good coverage of your WiFi network where you want to put it. If you see that the signal is very poor you should intervene on your wifi network, perhaps strengthening it with a repeater.

Do not install the product in an area with poor wifi signal because it would then make its operation unreliable.

NO METAL CONTAINERS

Be careful not to close the remote control card in a metal container because this would shield the WiFi signal. However, you can close the plastic cover of the junction box without problems because it does not provide significant shielding.

Download the Smart Life app

To use the product with your mobile phone you must first connect the device to your WiFi network. To do this you need the APP**Smart Life**which you can download for free from Google Play or Apple Store. It is a very popular app in home automation that is common to all our home automation devices.

When you first launch you must create an account by entering a valid email address. Press CREATE A NEW ACCOUNT and then wait for the code via email to confirm registration.
If you don't have an email address you can also use your phone number by pressing Use Phone Number and get the verification code via text message

Once the account has been created, you have your own space in the cloud where you can also upload many WiFi remote controls to control various devices and also our other home automation equipment, such as cameras and intercoms.

Set up the remote control

To use the remote control with your mobile phone you must first connect the device to your WiFi network. It's a very easy operation to carry out, thanks to the APP you just downloaded.
Note that on the electronic board there are: **1 central**
RESET button 1 BLUE LED near the antenna

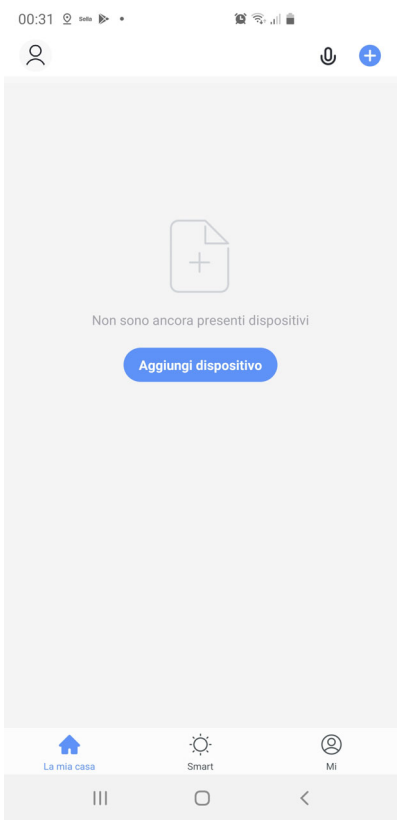
Locate them because you will need them in these operations

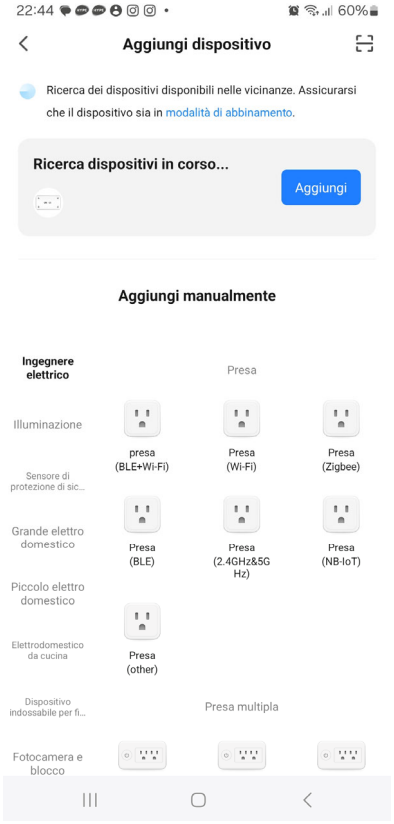
1 –**Connect your phone to your WiFi network**you want to connect the remote control to. Check your phone's wifi networks to make sure you are connected to your wifi network and can browse the Internet. It must be a 2.4 GHz network because the device does not accept 5GHz WiFi.

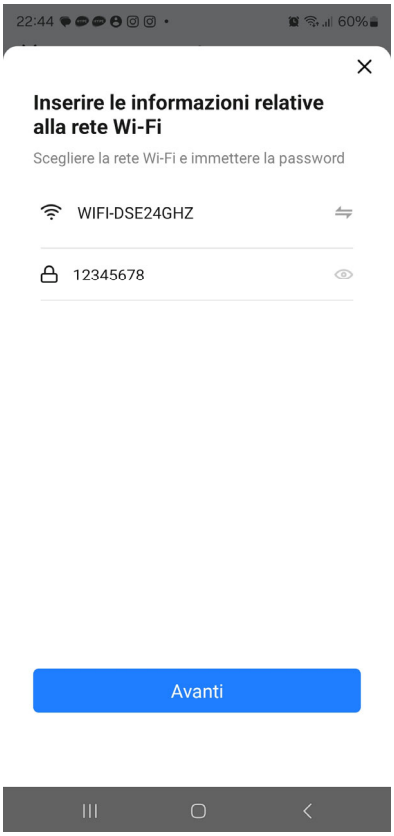
2 -**Put the remote control into setup mode**. For you to add the device to the app it must be in configuration mode. The device is in setup mode when theBlue LED near the antenna flashes quickly . Normally the new device, as soon as it is powered, is already in configuration mode, with the blue LED flashing. If you see the LED solid blue, or off, you can put the device in configuration mode by holding down the RESET button for 5 seconds.

3 –**Add the device**. Press the + button at the top right and then choose ADD DEVICE. If the remote control is in configuration mode, with the blue LED flashing, the automatic search will locate the new device to be configured. Press the ADD button and then, in the following window, choose your 2.4GHz WiFi network to connect the device to, entering the correct password. The connection of the device will start and will be completed shortly. Once the device is connected to the Smartlife app the blue LED on the board stops flashing and becomes solid

Now the device is connected to the wifi network. If the connection to the wifi network is lost, the device will automatically activate the bluetooth connection.

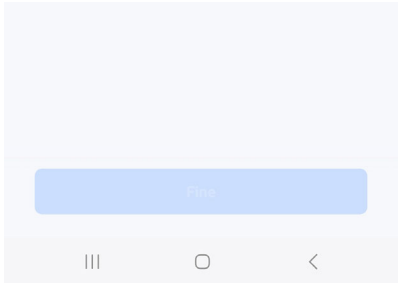

00:31
Non sono ancora presenti dispositivi
Aggiungi dispositivo
La mia casa
Smart
Mi

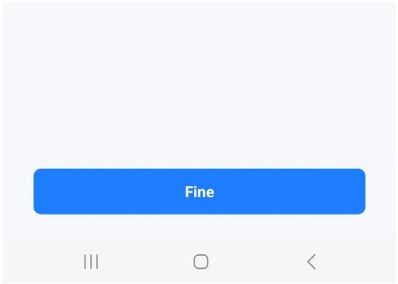

22:44 60%
Aggiungi dispositivo
Ricerca dei dispositivi disponibili nelle vicinanze. Assicurarsi che il dispositivo sia in modalità di abbinamento.
Ricerca dispositivi in corso...
Aggiungi
Aggiungi manualmente
Ingegnere elettrico
Presa
Illuminazione
presa (BLE+Wi-Fi)
Presa (Wi-Fi)
Presa (Zigbee)
Sensore di protezione di sic...
Grande elettro domestico
Presa (BLE)
Presa (2.4GHz&5G Hz)
Presa (NB-IoT)
Piccolo elettro domestico
Elettrodomestico da cucina
Presa (other)
Dispositivo indossabile per fi...
Presa multipla
Fotocamera e blocco


22:44 60%
Inserire le informazioni relative alla rete Wi-Fi
Scegliere la rete Wi-Fi e immettere la password
WIFI-DSE24GHZ
12345678
Avanti

22:44 60%
Aggiungi dispositivo
Aggiunta di 1 dispositivo/i in corso
smart switch 4ch
Aggiunta in corso

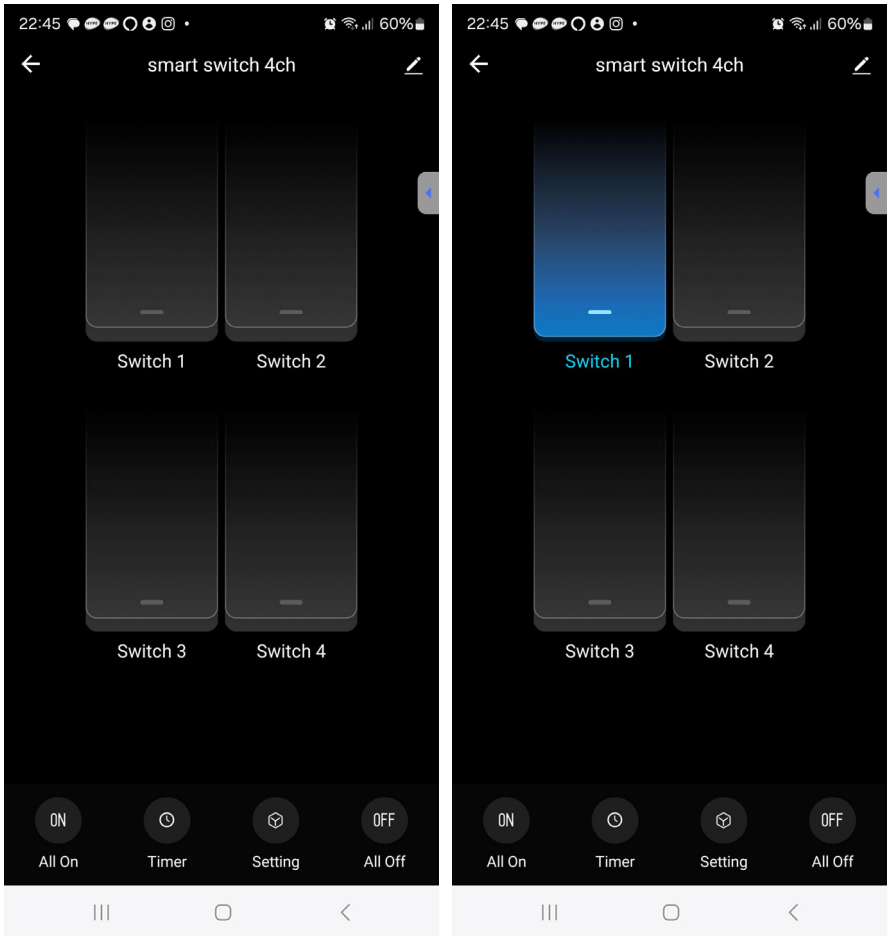
22:44 60%
Aggiungi dispositivo
1 dispositivo/i aggiunto/i correttamente
smart switch 4ch
Aggiunto correttamente


Fine


Fine

Control the relays from the app

Now that you have configured your device you can control it with the app. Thanks to the P2P cloud server you can also control it over the Internet.



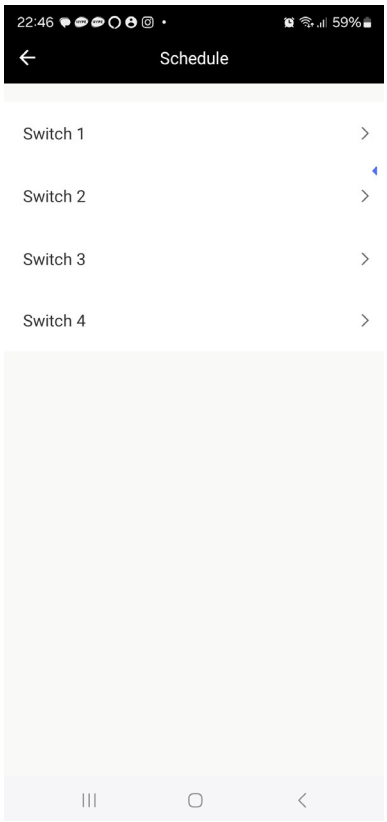
ON/OFF–The 4 relays of the remote control are controlled simply by pressing the 4 buttons. The button icon turns blue when the remote control has been operated (contact open or closed depending on which terminal you used). The color of the button is a real-time memory of the state of the relay so, every time you open the app, you can immediately see the situation the relays are in

RENAME BUTTONS–You can assign a custom name for each relay by holding the button for 3 seconds and editing the name.
ALL ON/ALL OFF–With these two buttons you activate and deactivate all 4 relays simultaneously.

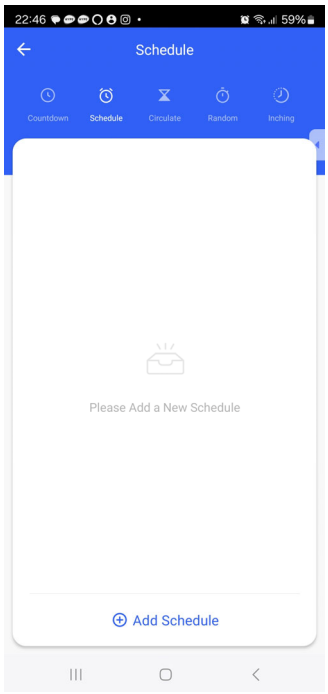
Timer

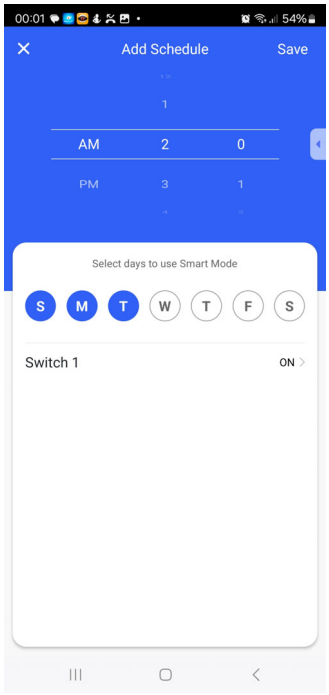
The TIMER button allows you to configure different types of relay timing. Remember that if you connect the remote control to voice systems, such as Alexa, you can also set timed controls within the voice platform. The timings you set in Smartlife or those in the voice command platform can also coexist, but you must program them so that they do not conflict.

Each relay can have its own specific timings so first you will choose the switch to program

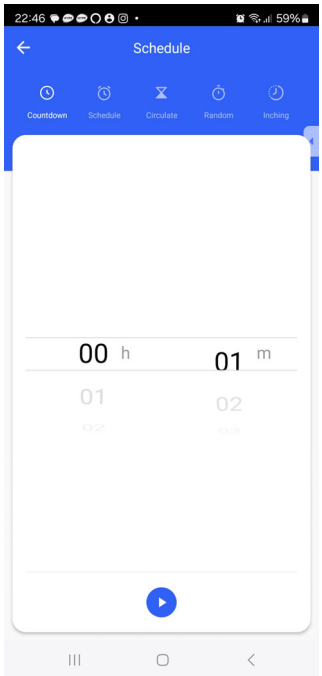


SCHEDULE–You can add automatic activations (ON) and deactivations (OFF) to be performed on certain days each week. Press the ADD SCHEDULE button, then choose the time of the operation and which days of the week to perform it. Press SAVE to add the automatic event to the list.

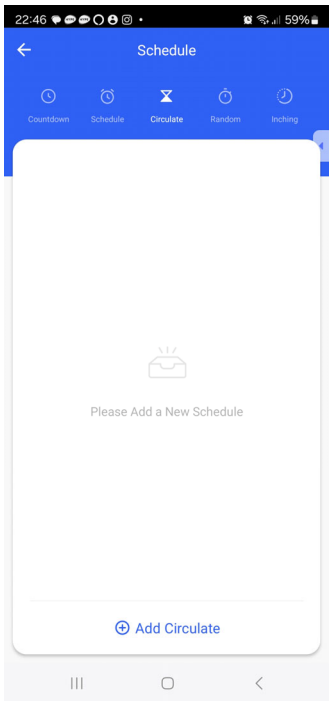


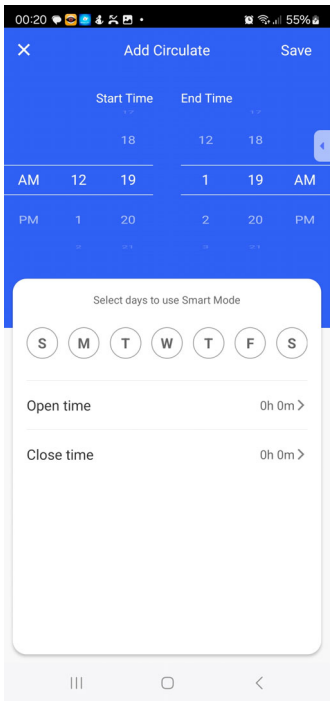


COUNTDOWN–You can start a countdown which will change the device's status when the timer expires. The countdown is a manual function that is currently active.



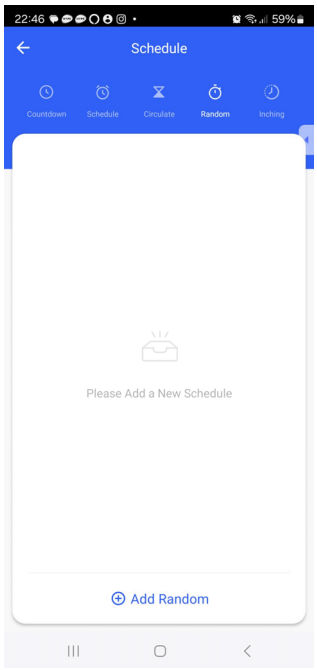
CIRCULATE–You can set activation and subsequent deactivation cycles by creating ON AT TIME It is the typical function to be used to automate irrigation, lighting, pool pumps etc.



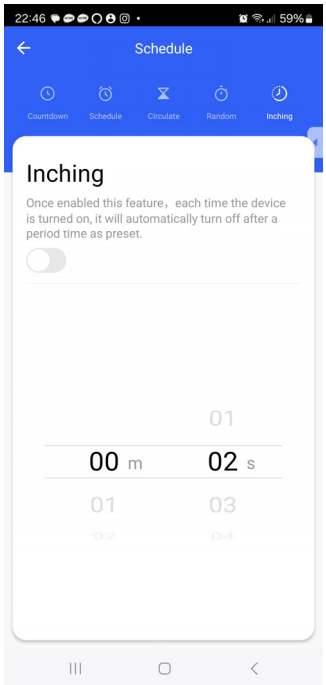


RANDOM–This function is very particular and is used to activate the relays randomly, within certain time slots. This function is mainly used to make it seem like you are at home when in reality you are away, by operating lighting or other devices remotely.

You can set time slots and days of the week. Within the set time slots, Smartlife will turn the switch on and off randomly.

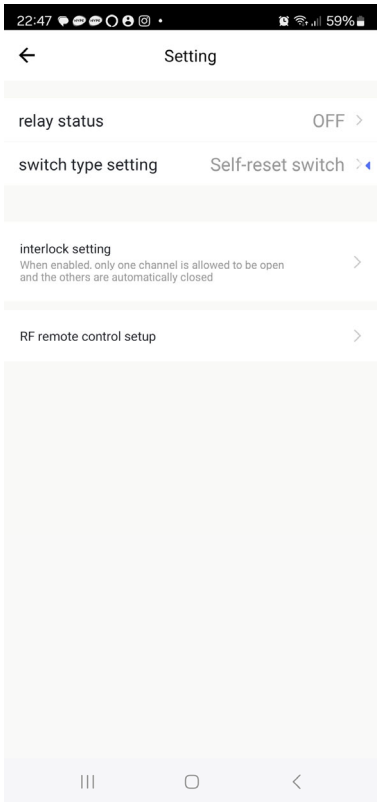


INCHING–By setting a time in this section the relay that is activated will automatically deactivate after the set time. You can also use this function to make the relays work impulsively, with short operations of 1 or 2 seconds which are required, for example, to control electric locks.



Setting

The setting button contains general settings that affect all relays

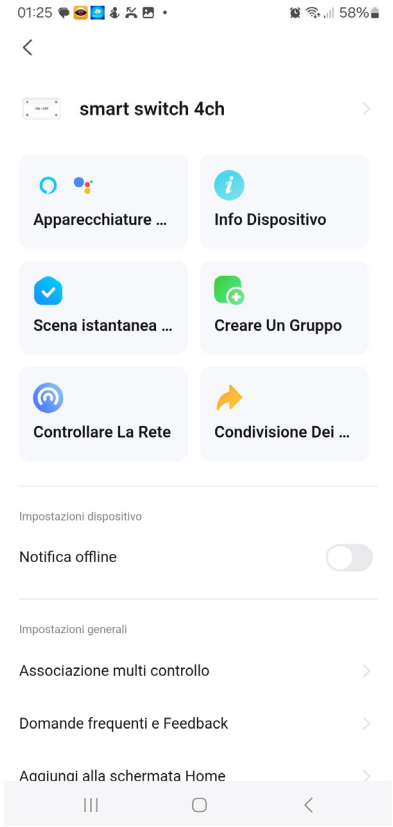


RELAY STATUS–Here you can set the state that the relays must acquire when the device starts up, after a power failure has occurred. You can choose ON, OFF or MEMORY which means restoring the active state before the power failure.
SWITCH TYPE SETTING–Here you can set the electrical operation of the relays when activated by local commands or buttons on the board. This option does not affect the control of the relays via the app. If you choose ROCKER SWITCH the relays act impulsively and are activated only for the time the local button is held down. If you choose SELF RESET the reset changes state ON/OFF OFF/ON every time the local button is pressed and released. **INTERLOCK SETTING**–You can select 2,3 or 4 relays in this section. The selected relays cannot operate at the same time. For example, if you activate relay 1 interlocked with relay 2, relay 2 will automatically deactivate.

IR REMOTE CONTROL SETUP–Here you can combine the 4 relays with 433MHz radio controls that have a pre-programmed code. Press the button to add the remote control and when the countdown starts, press and hold the remote control button. To delete a configured remote control, drag it to the left.

Advanced options

From the relay control page you can access some advanced options by pressing the edit icon (pencil) at the top right



VOICE COMMAND EQUIPMENT

You can connect your remote control with other voice control devices.

The remote control is compatible with the most common voice control devices such as Amazon Echo (ALEXA) and Google Assistant. So you can also control the relay by giving voice commands.

amazon alexa

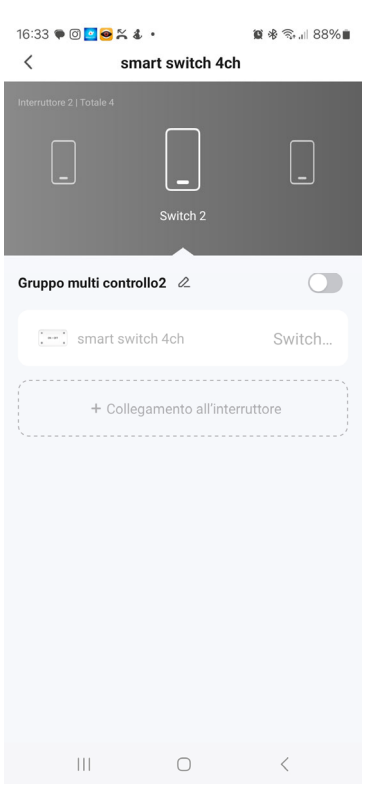
Google Assistant

OFFLINE NOTIFICATION

You can enable this feature to receive a notification when the device is unreachable for 30 minutes due, for example, to a problem with your Internet line or due to a power outage.

MULTICONTROL ASSOCIATION

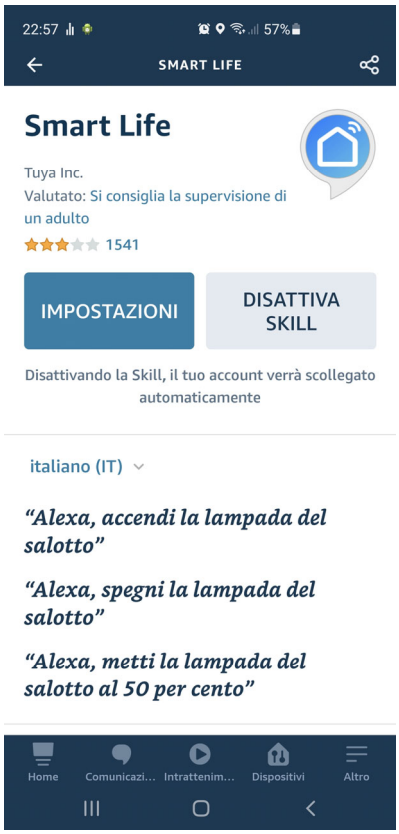
If you have connected our other controls and switches to Smartlife, you can ensure that when you activate one of the 4 control buttons on this device, other devices in your Smartlife account are also automatically activated. This way you can combine different activations of your home with a single command. Below for example we are connecting other switches to switch 2.



Amazon Alexa integration

Smart Life integrates seamlessly with Amazon Alexa.

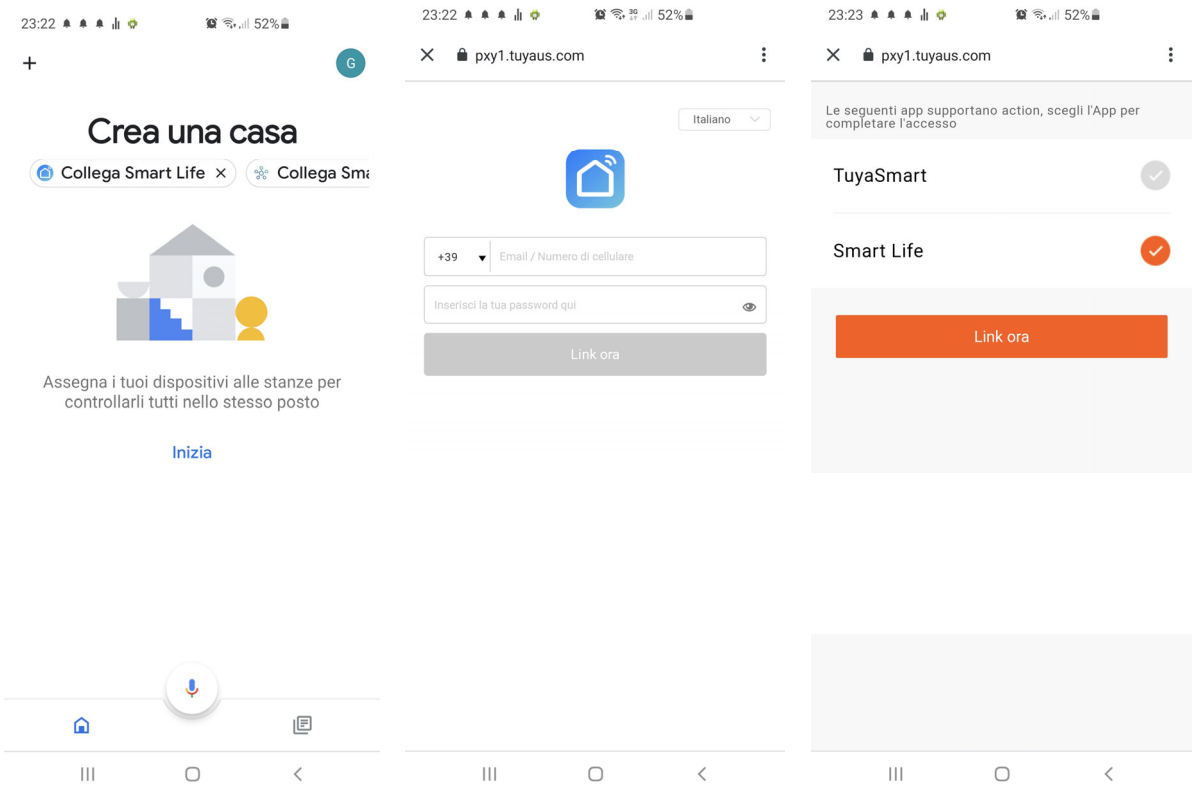
Just download the**SMART LIFE skills**using the Amazon Alexa app to connect Alexa to your Smart Life account. Through the Smart Life skill you can control all our DM Series devices with Alexa voice commands.



Google Home integration

Smart Life integrates seamlessly with Google Home

You need to download Google Home and connect Smart Life by entering your account credentials.



23:24
52%
Casa
Invita persona nella casa
Collega
Impostazi...
Collegati a te
3 dispositivi non associati a una casa
telecamera batteria
telecamera motorizzata