

Users should download and install the eWeLink App (available on both Android play store "eWelink" and iOS app store "eWelink-smart home control"). 

After installation, register an account with your email address (not phone#) and password (at least 8 characters) Enter email verification code to register and then login with your account.

Installation

Please be sure you are close enough to WiFi router and if you have VPN remove it temporary. Also this App installs with 2.4G WiFi communication but you can change your WiFi to 5G-WiFi or add VPN after installation (If you couldn't change it please check the problem & solutions section, item 6). After downloading the eWelink App, plug your receiver and wait for 30 second and then Open the App and click on the "+" icon on your App to search for the device. Select the 1st pairing method TOUCH icon (corresponding icon already selected) and then press and hold the button on Wifi receiver box until the LED light blinks fast and **the 2 LEDs simultaneously blink** (press and hold takes around 7 Sec) . Then click next and type your home WiFi ID & password and click next. The pairing will be completed. It takes 1-3 minutes for the device to be registered by the App and to be added to your account. You can name the device to complete the process.

Please note that the device needs 1 minute to connect to your router and server. When the blue LED is on, the device is "Online". If the App still shows "Offline" you should restart the App. In order to make sure that the app works correctly you should hear a clicking sound when the switch turns On/Off by app or manually (pairing button can also operate as manual switch for turning the heater On/Off).

After installing the app, depends on the type of your heater, you should either connect the two wires of this device to the 2 wires terminal of the heater remote switch (in new type heaters) or replace the current mechanical thermostat in the circuit with this Wifi thermostat (in older type heaters). This device works as a normally open switch that turns On/Off with WiFi.

The adapter and receiver are not waterproof, so put them in a suitable place or waterproof box and far from the heat and rain (You can extend the length of the two connecting wires of the receiver too).

Supported functions:

Remote ON/OFF – Turn ON/OFF your Heater from anywhere in the world or at home by your iOS or Android mobile App.

It has a professional timer for 8 times Set scheduled/countdown/loop timers to turn your connected device On/Off or Open/Close, at specified times. Pre-set timers can work even if the internet is not connected to the device anymore.

Temperature Control- In auto mode you can monitor and control the real time temperature, or turn the heater on or off at a specified temperature range. In manual mode you can turn the heater on or off manually (immediately) and it can also be combined with timer.

Share Control – You don't need to buy another remote. By downloading the app on another cellphone or computer you can easily add another remote to your household. You can also remotely add, modify, delete or enable each additional remote and their authorizations. When you want to add a remote (share the device), both Apps should be online, because if the account you want to share is not online, they will not receive the invitation message.

Security - Each device has a main user that is the only one who is authorized to share the device with other people. If you wish to transfer the authorization of a registered device to another account it should be firstly deleted from the main user's App. You can also make a pattern lock password for this app. Please go to  on the first page of Ewelink app, click on , go to Security, then Pattern Lock and simply draw a pattern to create your pattern lock password. Lock screen protection will be activated after 1min.

Update -Please update your firmware as soon as receiving the notification for using the latest features.

Voice Control – Go to  on the first page of Ewelink app. By clicking on "More" you will go to a page that shows all the voice control systems that are supported by eWelink, such as Alexa, Google Home,

Google Nest, IFTTT and, By clicking on each voice control system icon (like Google Home) it shows how to add your device to that system. You can ask Google to control the device with your voice commands. Download "Google Assistant" app from your phone's app store. Open the app. Click on the blue circle at the top right of page. Click on the three dots at the top right of the page. Click on the settings. Click on the Home control. Click on the plus sign on the right bottom of the page. Choose "Smart We Link" from the list. Insert your registration info (same as what you used for registering on eWelink app). And with voice command say "Ok Google, turn {deviceName} on" or off.

History record – You can check who (shared users) and at what time has turn the connected device On/Off or Open/Close.

Setting: By clicking on  sign at the top right corner of app page, you will go to setting and you can edit the **Name**, update or check the **Firmware** version, turn on the **hardware and share control operation notification** (this options sends notification to your cellphone when you or shared person turn on the fireplace). Also you can change the **Power on state** status to (ON, OFF, KEEP) when the electricity cuts off. **Please set power on state at "OFF" status for safety matters.**

Problems and solutions

1. The device turn On/Off by itself?

There is a loose connection or the adapter is broken (change the adapter with any 5V adapter, like a cellphone charger).

2. My device has been added successfully but stays "Offline".

The WiFi signal is weak. Turn your router Off and On to make sure if your WiFi router works correctly. . It can also be due to the distance between the router/modem and where the device has been located. If none of the above is the problem unplug the device and delete it from eWelink app and pair the device once more time with your phone.

3. Fail to pair this device with my phone.

- 1) Delete eWelink app and unplug the device.
- 2) Download the app (only from App store or Google Play) once more and plug the unit.
- 3) Wait for 30 seconds for the unit to blink slowly and reset all its configurations.
- 4) Set your phone at 2.4G for pairing. Please note that you only need to set it at 2.4G for pairing but when the Pairing is done you can set it back at 5G.
- 5) Your phone and the device should be close to each other and close to your router/modem.
- 6) When you want to start the pairing process, you should press and hold the button on the device for 7 seconds and wait until its blinking syncs with the blinking light on your app and then press "next" button.
- 7) Enter your exact WiFi password (considering all upper case and lower cases characters).
- 8) When you enter the password you need to make sure that there is no blank space after the password. It's considered as one of the characters of your password and doesn't let you complete the pairing.
- 9) Please make sure that you don't have VPN on your phone.
- 10) When pairing is successfully over, Blue LED will be constantly on.

4. I cannot change the WiFi from 5G to 2.4G, what is the solution?

Usually when your internet provider installs your router, they consider that you can connect to both 5G and 2.4G. If not, you need to change SSID on your router admin (router configuration page) and create an SSID for 2.4GHz and one for 5GHz (You can also ask your Internet provider to add 2.4G).

5. The Device turn On by itself When power outage is over or the device is plugged back!

"Power State" in setting  is set at ON mode. Change "Power State" status to OFF.

6. The app doesn't show the temperature degree.

Answers: The sensor is not connected correctly and tightly.

Wiring

The wiring is exact same as usual 2 wire heaters remote controls. The following instruction is only for assistance and Please **follow the manufacturer's manual** in the section of Remote control. The device should be installed by a QUALIFIED PROFESSIONAL.

WARNING: Water temperature in excess of 100 degrees Fahrenheit may be hazardous to your health. Prolonged immersion in hot water may induce Hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above normal body temperature of 98.6° F (37° C). The symptoms of Hyperthermia include drowsiness, lethargy, dizziness, fainting and an increase in the internal temperature of the body. **WARNING:** Control System is intended to control heaters with built in OEM Safeties. Failure to do so may cause property damage or personal injury.

1-Heaters with remote function

New heaters equipped with the ability to work with external remote controls. Our Wi-Fi switch does not supply power to the heater, it only provides a switching function (no voltage) to turn the heater On or Off, so it will not damage the heater digital circuit board. This device is a 2-wire Wi-Fi remote control and assumes that only one heating function (pool or spa) is required. If you have one heater for both Spa and pool, you need connect 2 devices for controlling spa and pool separately.

Wiring of 2 wire of Wi-Fi remote:

1. Turn on power to the heater.
2. Push the mode button "POOL" or "SPA" mode and set the temperature to the highest setting available on the control. The actual set point will be controlled by the remote Wi-Fi control.
3. Turn the mode button to "OFF" and remove power from the heater.
4. On the "Remote Interface Harness", connect the BLUE wire to one side of the wires of "Wi-Fi REMOTE" switch and connect the other side to either the ORANGE/BLACK wire for "SPA" operation or the BLACK/ORANGE wire for "POOL" operation (It is switching wire and there is no polarity). Please consider that the colors are standard colors but it can be changed by different manufacturers, so please check the manual.
5. Secured unused wires and turn power "On" to the heater. Activate remote function (To activate the remote function, please check your heater manual).

2-Heaters without remote function

The old heaters does not have remote control function, so bypass or replace the current mechanical thermostat (or switch) in the circuit with this Wi-Fi thermostat.

Sensor installation

The sensor holder is a ½" thread and usually it is compatible with heater drain plug screw (please use Teflon tape for good sealing on heater inlet pipe) or you can drill a suitable place for it on the even surface of one of the **inlet pipe** connector or bring out the sensor from sensor holder and attach the sensor on the inlet pipe and cover and insulate it from outside weather for water temperature accuracy (For insulation you need foam insulation pad, Aluminum foil and Duct tape. Place thick pad of aluminum foil firmly over the sensor and wrap insulation pad around the whole area and secure it tightly with duct tape)