i-GATE WiFi - Gate Switch

* ALWAYS TEST THE UNIT ON SITE **BEFORE** INSTALLATION TO AVOID RESTOCKING FEES *

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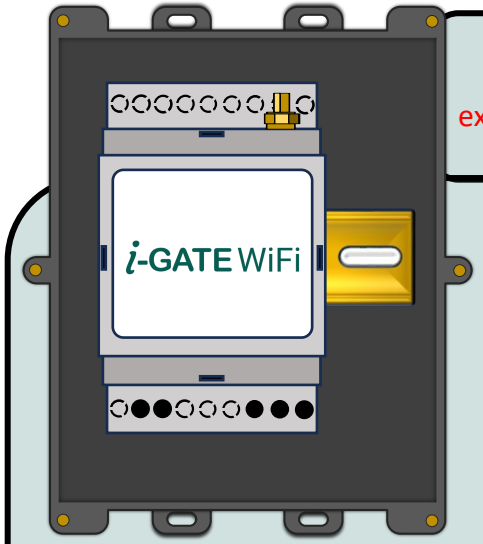
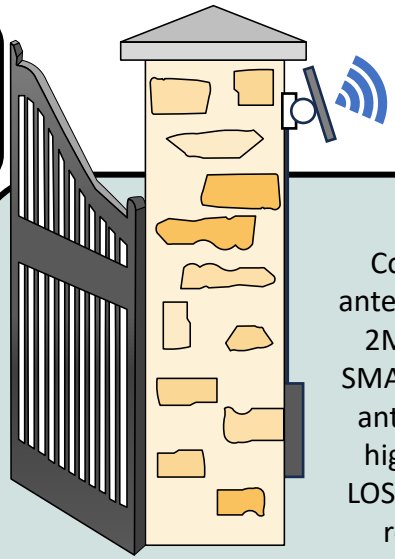
Installation Prep

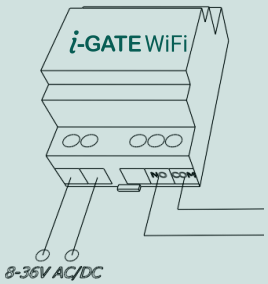


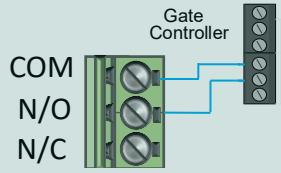
Mount i-Gate in an existing or new enclosure

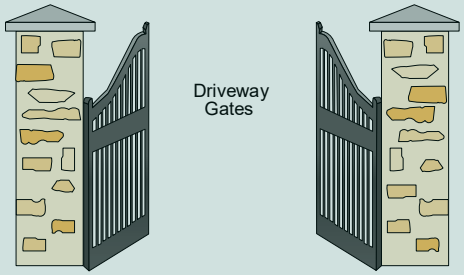
Attach din-rail to enclosure and slide i-Gate into place



Connect antenna with 2M cable SMA, ensure antenna is high with LOS of main router







SITE SURVEY

Please ensure site is fit for product purpose.
Test WIFI signal with phone for good connection, if signal drops 10-15 meters to gate other connection methods may need to be taken

POWER CABLE

TIP: Power supply not supplied. System can be powered from gate motor.
8-36V AC/DC

WiFi Antenna

TIP: Antenna to be placed high, no further than 2 Meters away from the i-Gate – WiFi. Antenna must also be facing to the source of WiFi.

INGRESS PROTECTION

We recommend sealing all entry holes for prevention of insects that can cause issues with a risk of shorting out components.

This product should not be fitted outside of an enclosure as device only has a rating of IP20

i-GATE WiFi

Use QR code to download app to complete setup

- System Requirements -

Device needs to connect to a 2.4GHz frequency, and the SSID needs to be different from the 5GHz.

EXTRA RESOURCES

NEED MORE ASSISTANCE?
+44 (0)288 639 0693
SCAN THIS QR CODE TO BE BROUGHT TO OUR RESOURCES PAGE.
VIDEOS | HOW-TO GUIDES | MANUALS | QUICK START GUIDES

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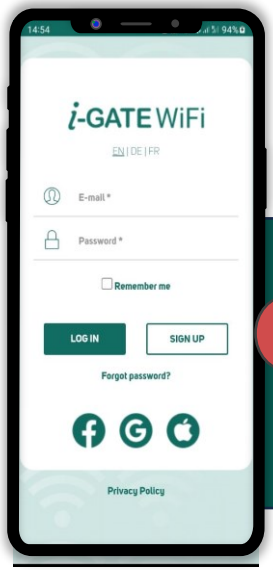
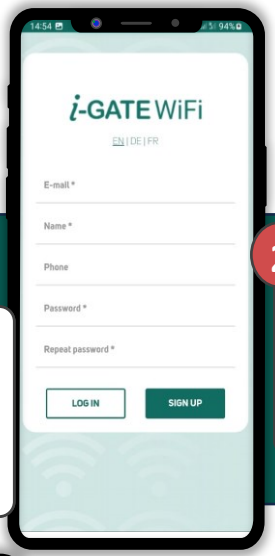
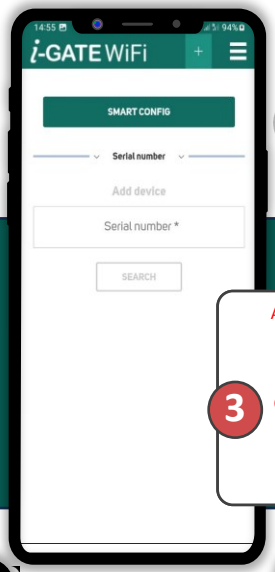
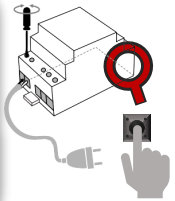


1. Download the i-Gate Wifi app on from the app/play store, or use the QR codes provided

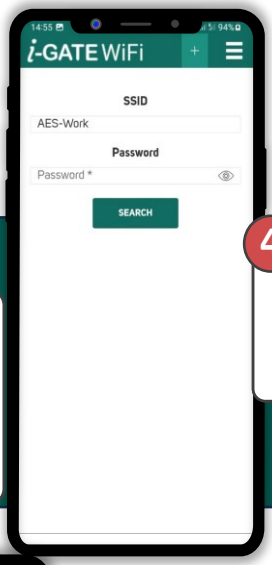


2. Create an account and wait for email confirmation (Make sure to check junk/spam folders

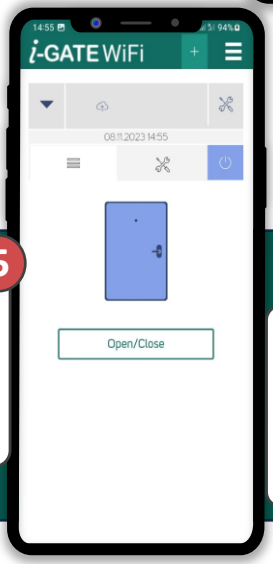




3. Add device to your app by pressing button at the back of the unit, then selecting the "Smart Config" option within the app. (Ensure your phone is connected to the SSID you wish the device connected too

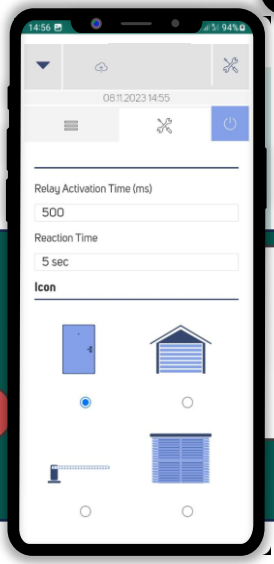


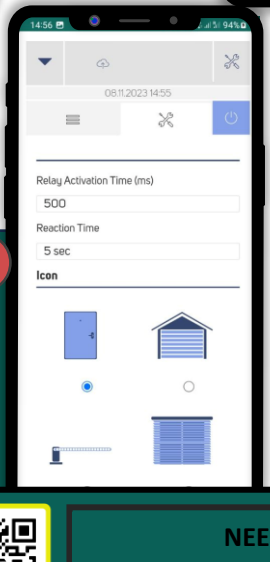
4. The app will detect the network your phone is using, you will just need to enter the password then press "Search"



5. Once connected you can expect to see a screen like this. You can now activate the device relay

6. Change the ICON to better represent your use





7. Edit relay activation time and reaction time to your liking

- ATTENTION! -

Device needs to connect to a 2.4GHz frequency, and the SSID needs to be different from the 5GHz one.

EXTRA RESOURCES

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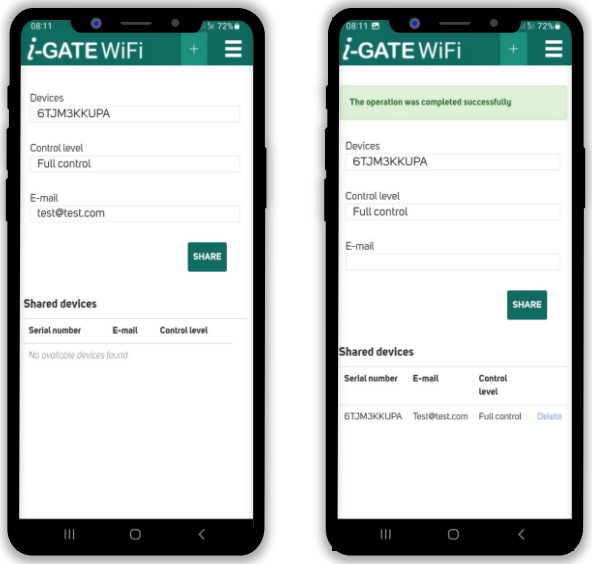


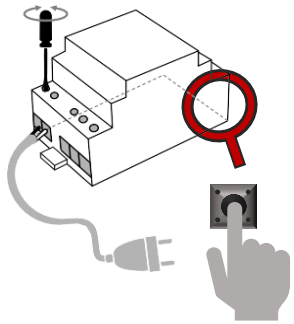
How to share device:

Step 1: Navigate to the “Shared Devices” page using the app menu.
Step 2: Select the device you wish to share, and what control level to give, followed by the email of the person you wish to share with.
Step 3: Hit the “Share” button
Step 4: You should then see the user you have shared with appear in a list at the bottom of the page. The device has now been shared.

Note: You can share with an unlimited amount of users.

Manual Reset:

Step 1: Press and hold the code button for 5s
Step 2: Release
Step 3: Press and hold the button again for 5s.



Note: For security reasons this will only clear the device network connection, not unbind from the currently registered user.

Remove device from your account/app

This process is necessary for allowing a new user to claim ownership of the device, and setup to their network.

Step 1: Enter the device settings page
Step 2: Click the “trash” icon to delete device from your account
Step 3: Once deleted the device will be unbound from your account and ready to be claimed by new owner/user.

Note: This can be done a device that is offline and will still successfully remove from your account.

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Safety Instructions

Please, read before using the device for the first time
The outlined safety procedures below are to be followed while using the current product. Please, do follow all warnings in the device's user manual.

General safety instructions
You are the only one responsible for the device's usage, as well as for any caused damages in consequence of that. The device's usage is a subject of the set safety measures for the customers and their environment. Please do not press the device too hard. Always use it and its accessories gently and keep them in a clean place, away from any dust. Do not expose them to open fire or in any proximity to lighted tobacco products. Do not let the device and its accessories to fall down, do not throw or fold them. Do not use any aggressive chemicals, detergents or aerosols for their cleaning. Do not paint them and do not attempt to disassemble the device or its accessories. That could be accomplished only by a qualified professional. The device's working temperature is from 0°C till +45°C and storing temperature of –20°C till +60°C. For removing electric products' waste, the national and regional legislations are followed. The device is to be installed in electric switchboards or in the device/s it will manage and is created to control household devices and equipment.

Any unauthorized reconstruction and/or product modification is strictly forbidden following the European safety and approval directives (CE). Services, settings and repairs could be accomplished only by an authorized service provider. For its repair use only the original spare parts. The usage of other spare parts could cause significant damages or injuries. If you notice any damage, please stop using the device. Before cleaning the device, disconnect it from the power supply. Do not use any liquids or aerosols.

Attention! Damaged power supply cables are a life treat as could lead to an electric shock.
Do not use the device if there is a damaged cable, power supply cord or network plug. In the case of power supply cable's damage, please leave its repair to a qualified professional!

Electric safety
This device could be used only when powered by the specific supply unit. Every other way could be dangerous and terminates the validity of any issued device's certificate. Use the correct external power supply. The device should be powered only by the specific power supply as indicated on the nominal electric power supply's nameplate. If unsure of the power supply's type, please turn to the authorized service provider or to the local electric services company. Please, be extremely careful. Store and use the device in a place far from water or other liquids as those could cause a short circuit.

Dangerous environment limitation usages
Do not use this device in gas stations, gas storages, chemical plants or in places where flow blasting is taking place, locations with potentially explosive environment, for instance in places such as fueling areas, gas storages, ship holds, chemical plants, in installations for fuel or chemical transportation or storage and in zones where the air contains chemicals or particles such as grain, dust or metal particles. The sparks in such places could cause a blast or fire and in consequence - a severe health damage, even death. In case you are in a flammable materials' environment, the device must be turned off and the user is to follow all instructions and warning labels. The sparks in such places could cause fires or explosions, leading to injuries and even death.
We highly recommend to not use the device in fueling areas, workshops or gas stations. The customers should follow the limitations set for high frequency devices' usage in fuel storages, chemical plants or in places of flow blasting work process.

Damages requiring repair
In case of any of the outlined cases below, unplug the device from the power supply and look for an authorized service provider or turn to the supplier for specialized repair: the product had been exposed to rain or moisture, slipped, hit, damaged or has visible overheating traces. Even though you are following the user manual, the device is not working correctly. Do not expose it to heating or in a close proximity to a heating source, such as radiators, thermal accumulators, furnaces or other equipment (including amplifiers) that emit heat. Keep your device from any humidity. Never use the product in rain, in a proximity to sinks, in another moist environment or in such with high air humidity. If the device ever gets wet, do not attempt to dry it off in a furnace or a dryer for the risk of damage is high!

Do not use the device after a sudden temperature change. If you are transferring the device between environments with big temperature and humidity level differences, it is possible for the steam to condense on the surface and inside of the device. In order to avoid the device's damage, please do wait for the moisture to evaporate before using the device. Do not insert any elements in the device that are not part of its original accessories!

EU-regulations and disposal

The device fulfills all needed standards for the free movement of goods within the EU. This product is an electric device and as such must be collected and dispose of according to the European directive on waste electrical and electronic equipment (WEEE)

This product is in accordance of the regulations in Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its recasts.

Burns and fire prevention

Do not use the device if the premises' temperature goes above 40°C. Keep the highly flammable materials away from the device. Make sure free air access around the device is available.

FCC ID: 2AC7Z-ESPWROOM02U

Grantee: Espressif Systems
This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Output power listed is conducted. This device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance. This device has 20MHz and 40 MHz bandwidth modes.

Manufacturer: Advanced Electronic Solutions Global Ltd
Address: Unit 4C, Kilcronagh Business Park, Cookstown,
Co Tyrone, BT809HJ, United Kingdom

Complies with the following essential requirements for 2014/53/EU:
EN 301 489-1 V2.2.0 (2017-03) (Electro-Magnetic compliance)
EN 301-489-17 V3.2.0 (2017-03) (Electro-Magnetic compliance)
EN 62479:2010 (Maximum output power)
EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 (Electrical Safety)

This declaration is issued under the sole responsibility of the manufacturer.

Signed by:

Paul Creighton, Managing Director.
Date: 10th Jan 2024