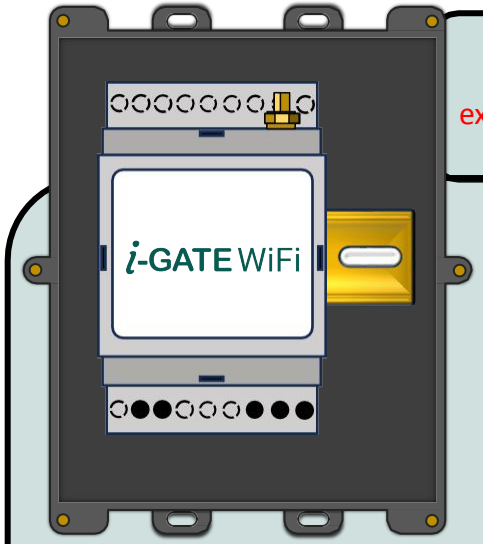
i-GATE WiFi - Gate Switch

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

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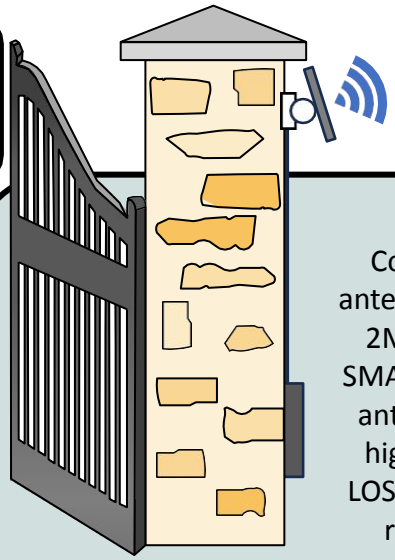
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Installation Prep

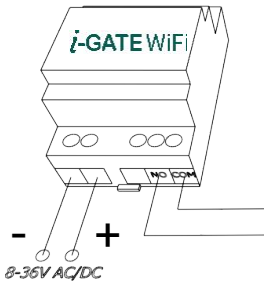


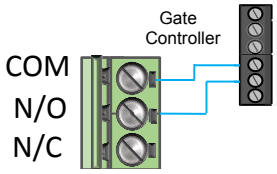
Mount i-Gate in an existing or new enclosure

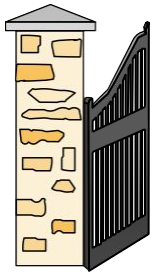
Attach din-rail to enclosure and slide i-Gate into place



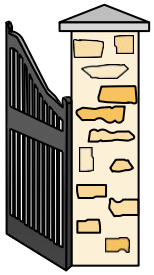
Connect antenna with 2M cable SMA, ensure antenna is high with LOS of main router







Driveway Gates



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.
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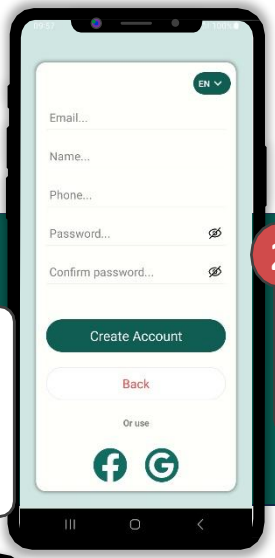
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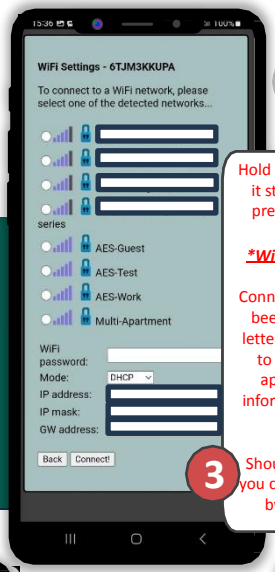
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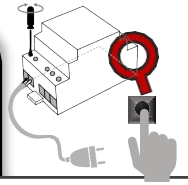


1 Download the i-Gate WiFi app on from the app/play store, or use the QR code provided



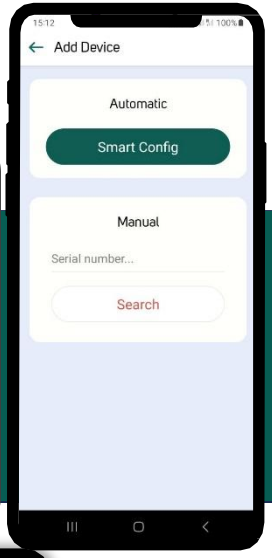
2 Create an account and wait for email confirmation (Make sure to check junk/spam folders





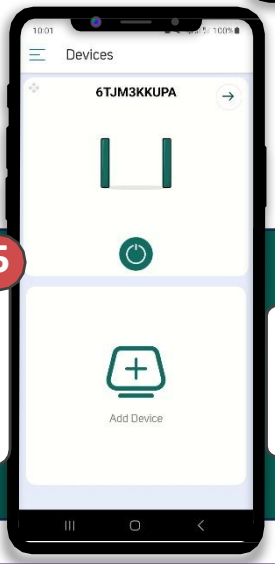
3 Hold the code button for 5s until it starts flashing rapidly, then press it **twice**. A **steady flash** should start.
Wi-Fi hotspot will appear on your device
Connect to the network that has been created (device name + letters and numbers). A prompt to open a web-page should appear. Fill in the required information and wait for device to connect.

Should the prompt not appear you can manually reach the page by using IP: 192.168.10.1

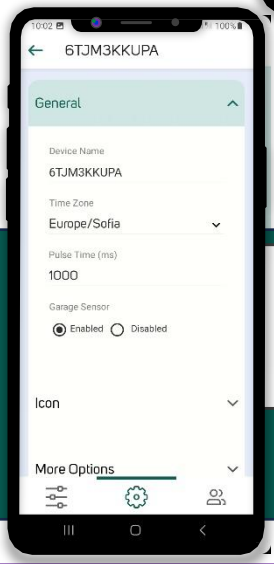


4 Go back to your app and enter your device serial number under the "Manual" section and hit search.

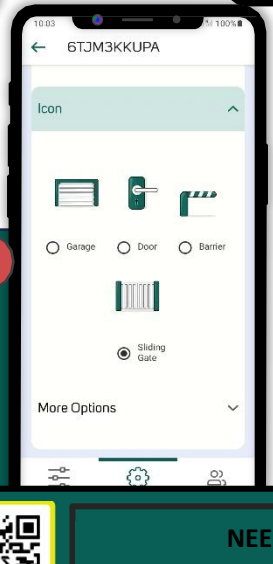
This will add it to your app ready for use.



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



6 Enter device settings to edit name, time zone, relay pulse time.



7 Change the ICON to better represent your use

Manual Setup

- ATTENTION! -

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

EXTRA RESOURCES

NEED MORE ASSISTANCE?

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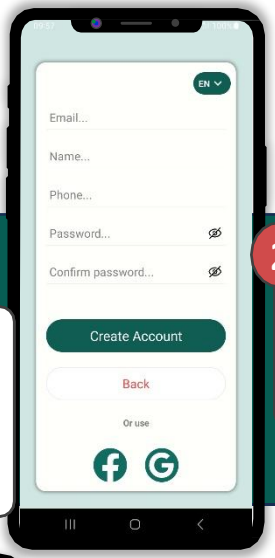
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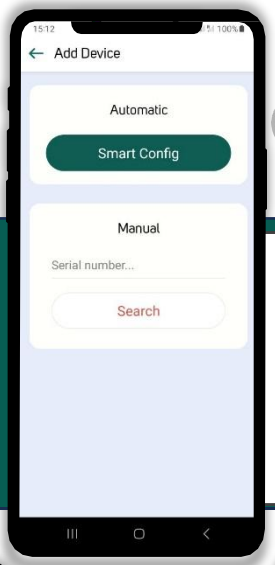
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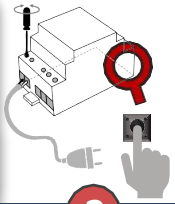


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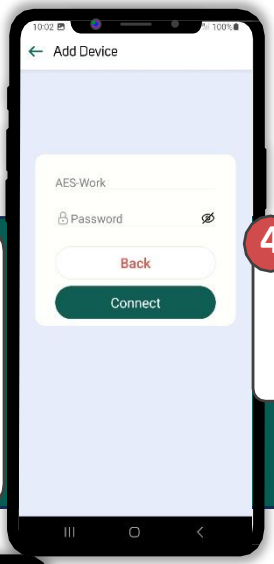


2. Create an account and wait for email confirmation (Make sure to check junk/spam folders



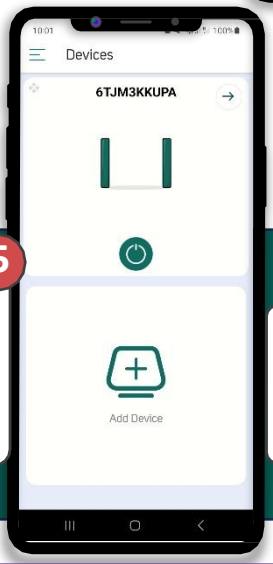


3. Add device to your app by holding the button at the back of the unit until starts rapidly flashing, then select the "Smart Config" option within the app. (Ensure your phone is connected to the SSID you wish the device connected to)

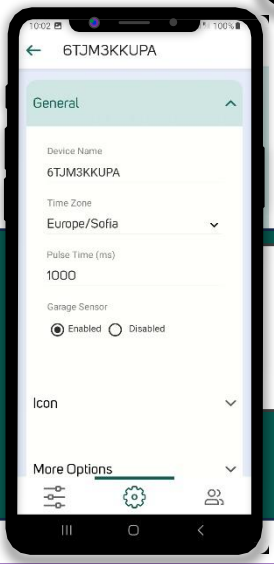


4. The app will detect the network your phone is using, you will just need to enter the password then press "Connect"

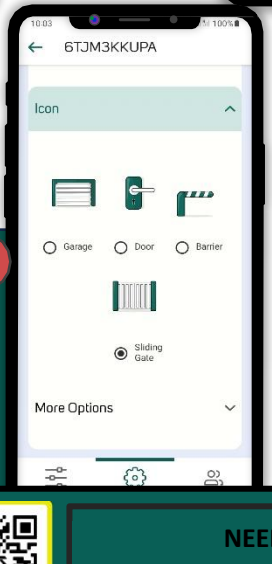
Note: Must be 2.4Ghz



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



6. Enter device settings to edit name, time zone, relay pulse time.



7. Change the ICON to better represent your use

Smart Config Setup

- ATTENTION! -

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

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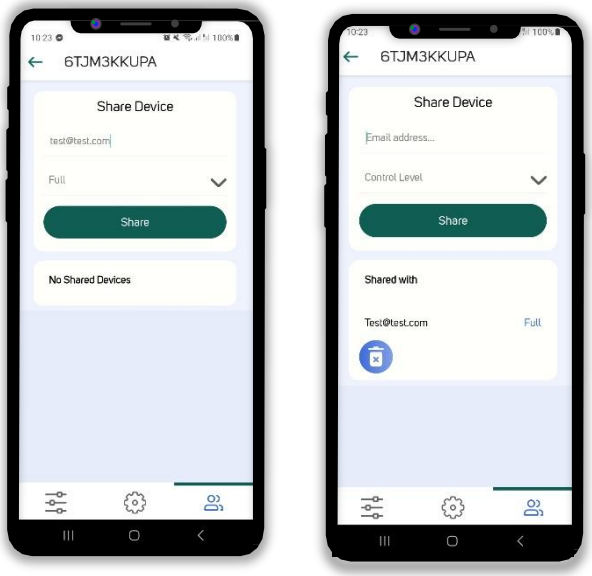
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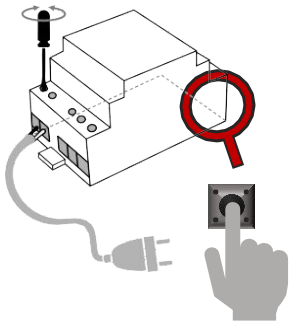
How to share device:

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.

1. Download our "i-GATE WiFi" app from your app store.
2. Launch the app and register a new account (or login if you’re already registered);
3. Turn on i-GATE WiFi devices and connect them with "i-GATE WiFi" app;
4. Download Amazon "Alexa" app from Amazon Market, Google Play or iOS App Store, and connect Echo with "Alexa" app;
5. Search the Alexa Skills directory for "i-GATE WiFi";
6. Click Enable skill of "i-GATE WiFi", then login with your i-GATE WiFi credentials on the linking page;
7. Now all setup is done. Try talk to Echo to control your devices;
8. If you register new devices talk to Echo "Alexa, discover devices." to find them;

alexa

Pulse, State & Boost

1. Default Action

Select how the relay operates during normal use.

- **Pulse:** Pressing the button sends a single, momentary pulse to the relay to activate the door or gate.
- **State:** Pressing the button toggles the relay between ON and OFF. When ON, the relay remains activated to hold the door or gate open. Pressing the button again switches the relay OFF, allowing the door or gate to close.

2. Boost Action

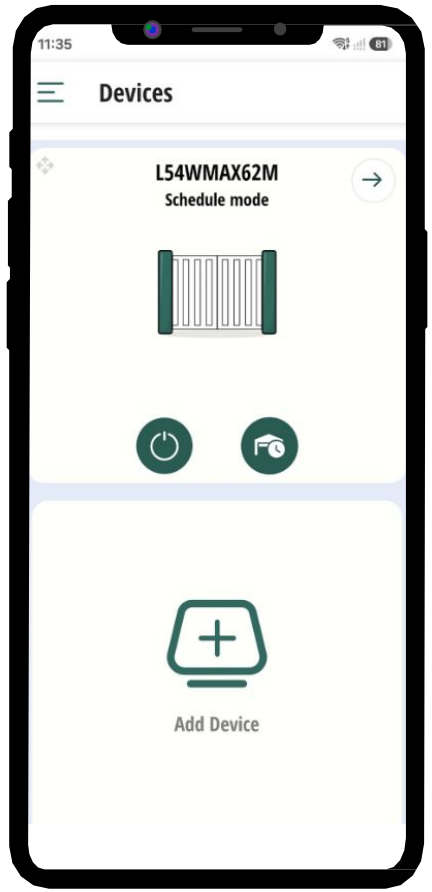
- **Pulse:** Pressing the Boost button sends an initial pulse to open the door or gate. Once the Boost Time expires, a second pulse is sent to close it.
- **Boost:** Pressing the Boost button switches the relay ON, holding the door or gate open for the configured Boost Time. Once the time expires, the relay automatically switches OFF, allowing the door or gate to close.

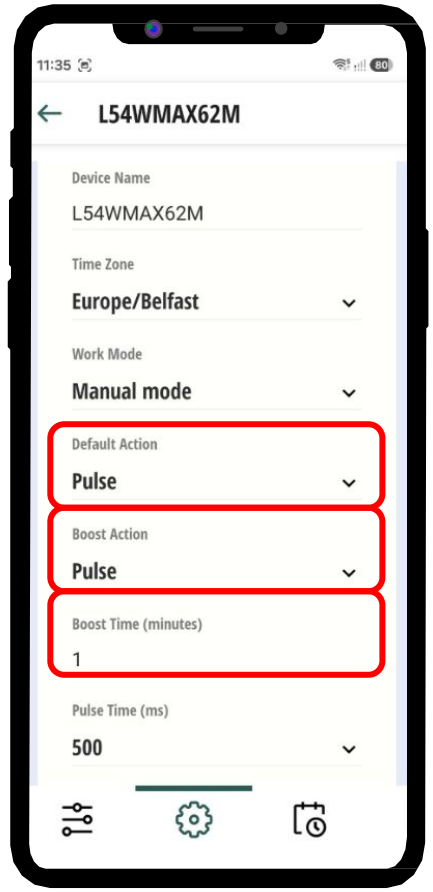
Note: When Boost Action is set to State and the relay is already ON, the Boost button will be disabled.

3. Boost Time

Set the duration for which the door or gate remains open after pressing the **Boost button**.

Once the selected time expires, the relay automatically performs the closing action according to the configured Boost Action (Pulse or State).





Work Mode - Manual/Schedule

1. Manual

Control the relay directly from the device's Controls screen in the app. Pressing the Default Action button will either send a single pulse or toggle the relay ON/OFF, depending on the configured Default Action (Pulse or State).

2. Schedule

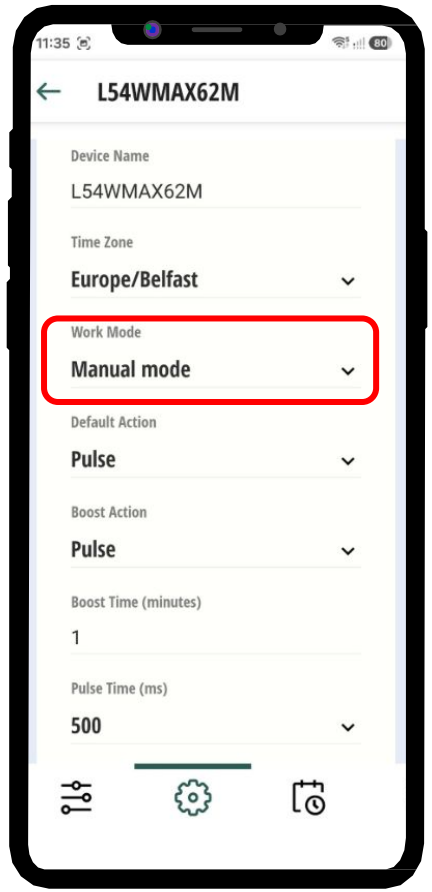
The relay operates automatically according to a predefined schedule. Its behaviour depends on the configured Default Action:

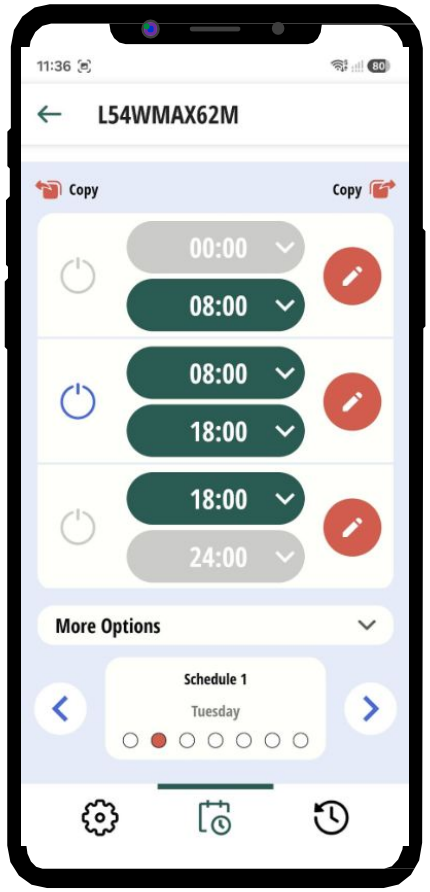
- **Pulse:** The relay sends a single pulse at the start of each scheduled opening and closing period.
- **State:** The relay remains ON during scheduled open periods and OFF during scheduled closed periods.

Note:

Manual control remains available through the Default Action (power) button, even when Schedule mode is enabled. After a manual command, the device continues following its predefined schedule.

If using the gate sensor and the door or gate is already detected as open due to a manual command or external activation, and the next scheduled period requires it to remain open, the system will not send an additional opening command.





i-GATE WiFi - Gate Switch

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Safety Instructions

Please, readbeforeusing thedevice forthe firsttime

Theoutlined safetyproceduresbelowareto be followedwhileusing the current product. Please, do follow allwarnings in the device's usermanual.

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 anyproximity 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. Forits repairuseonly the original spareparts. The usage of other sparepartscould 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 notuseanyliquids oraerosols.

Attention! Damaged powersupply cablesarealife treatascould 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

Thisdevicecould be usedonly whenpoweredby the specific supply unit. Every other waycould be dangerous and terminates the validity of anyissued 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. Storeand use the device in aplace farfrom wateror other liquids as those couldcausea short circuit.

Dangerous environment limitation usages

Do not use this device in gas stations, gas storages, chemicalplants or in places where flow blasting is takingplace, 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 placescouldcausefiresorexplosions,leadingtoinjuriesandevendeath.

Wehighly recommend tonot use the device in fueling areas,workshopsor gas stations. The customersshould follow the limitations set for high frequency devices' usage in fuel storages, chemicalplants or in places of flow

blastingwork process.

Damages requiring repair

Incase of anyof the outlined casesbelow,unplug the devicefrom the power supply and look for anauthorizedserviceprovider or turn to the supplier for specialized repair: the product had been exposed to rain or moisture, slipped, hit, damaged or has visible overheatingtraces. Eventhough you arefollowing the usermanual, the device is notworking correctly. Do notexpose it toheatingor in acloseproximity toa 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 tosinks, in another moist

Do not use the device in a humid condition immediately after the change of temperature, as water vapor forming the dew can damage the device. Leave it to dry off in a room with a temperature between 15°C and 25°C. Due to 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 arenotpart ofits originalaccessories!

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)

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

Burnsandfireprevention

Do notuse the device if the premises' temperaturegoesabove 40°C. Keepthe highly flammable materials awayfrom the device. Makesurefreeairaccess 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