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IN2 ACCESS CP-6647 Gilbert Wireless Loop Kit

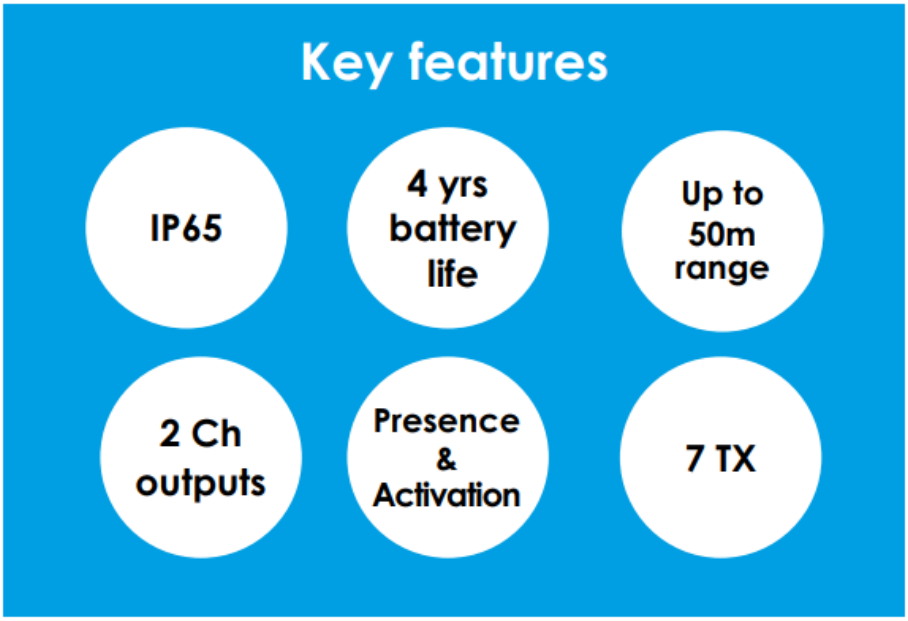
Gilbert Wireless Loop Kit

The system is composed of a magnetic detector and a receiver. Its main innovation lies in the wireless communication of the magnetic detector and the receiver which greatly facilitates installation. Designed for efficient integration, the emitter is easily installed on the ground, ensuring reliable and safe operation. The receiver has 2 relay outputs for the functionalities of impulse detection and security (vehicle presence).

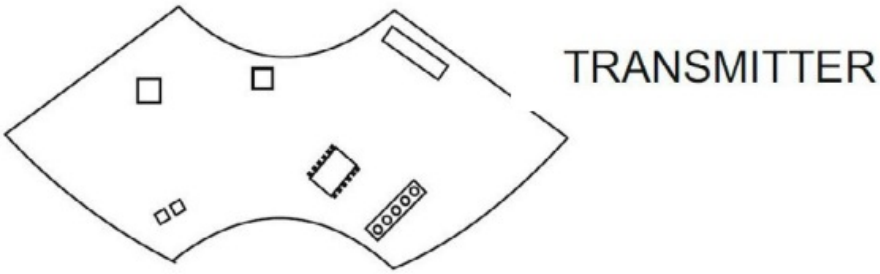
Safety Instructions

- Reaction time < 60ms
- Device with SELV/PELV Power Supply

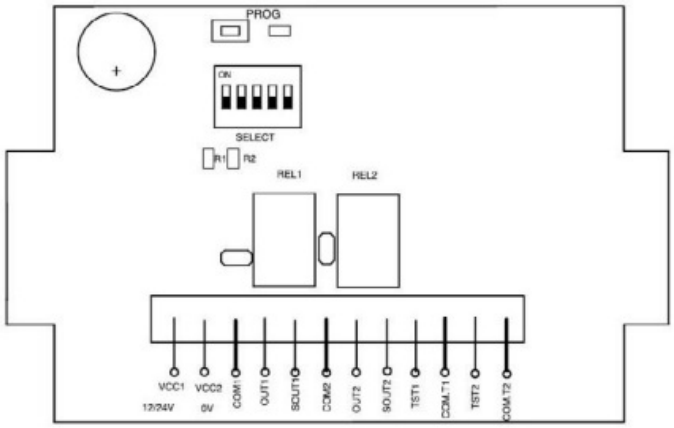
Key Features



Transmitter And Receiver Terminals

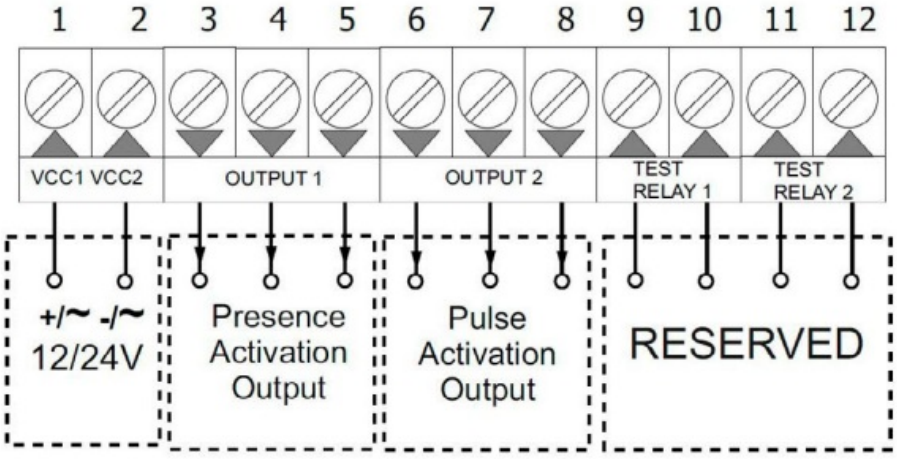


RECEIVER

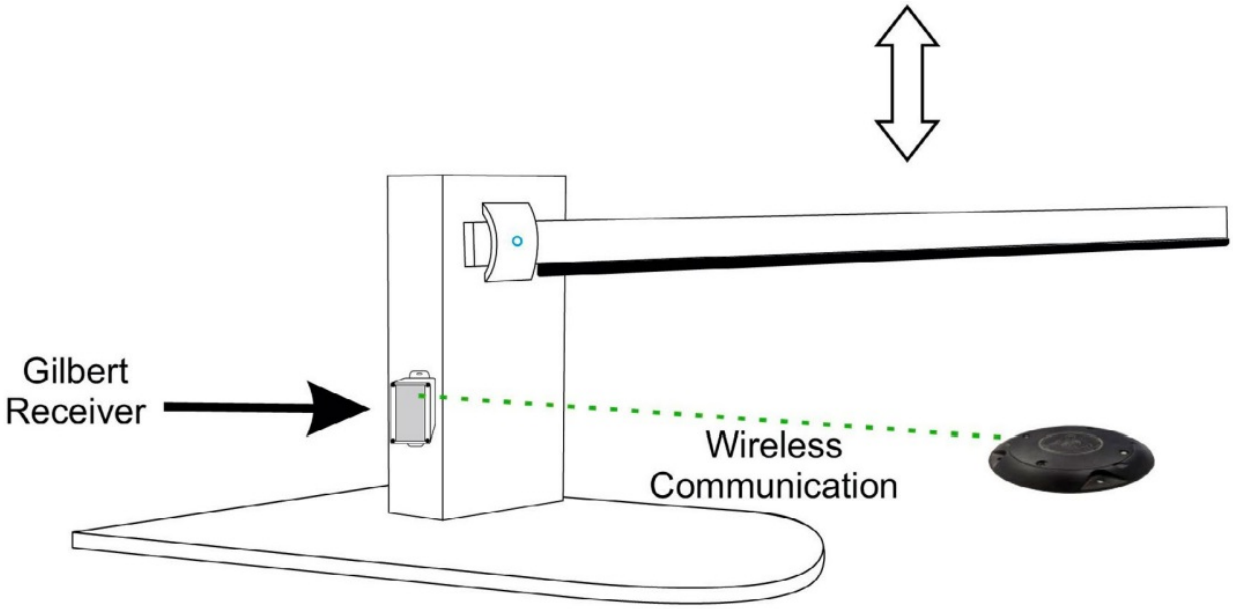


Typical Installation

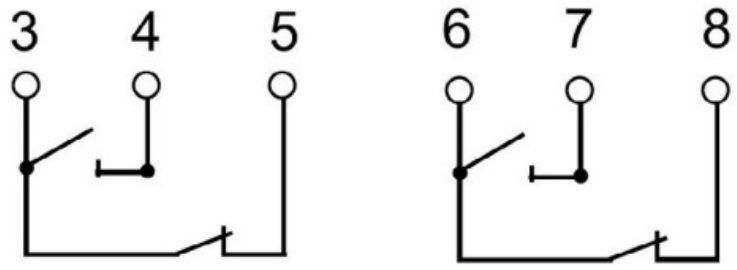
- **Typical Installation – Sliding gate**



- **Typical Installation – Barrier**



Receiver Output Connections



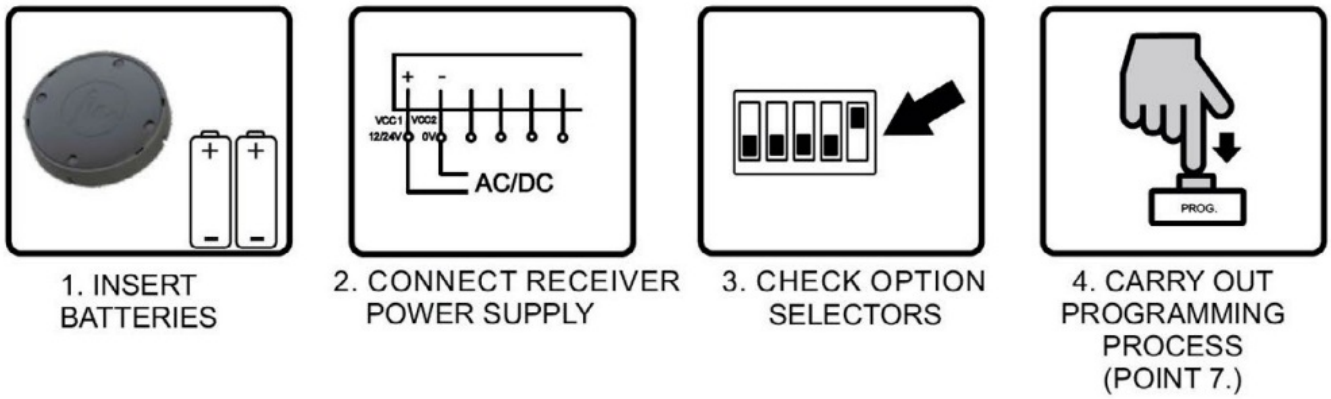
Power and safe system configuration.

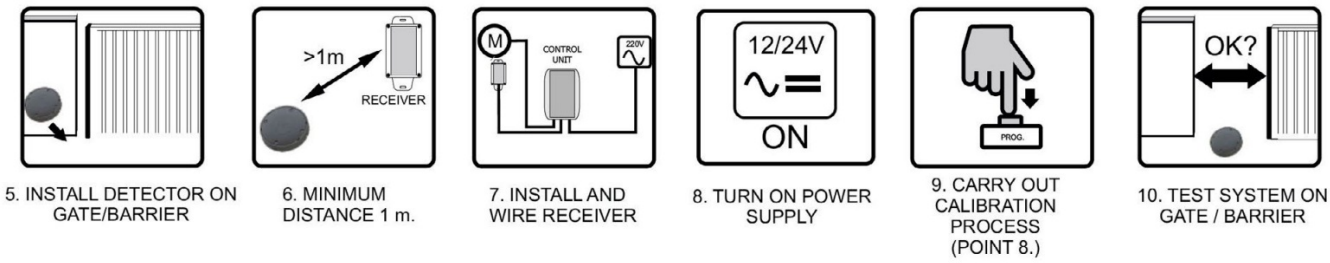
Receiver Led Indicator

- 

LED ON – Security OK
- 
LED OFF – Obstacle detected

Start-up

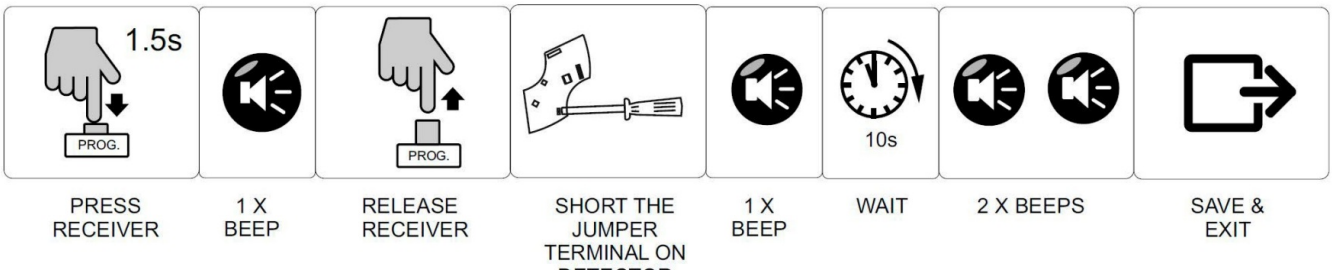




NOTE: THE KIT IS SUPPLIED WITH THE TRANSMITTER AND RECEIVER PRE PROGRAMMED AS STANDARD (SKIP 7 IF SINGLE TX INSTALLED)

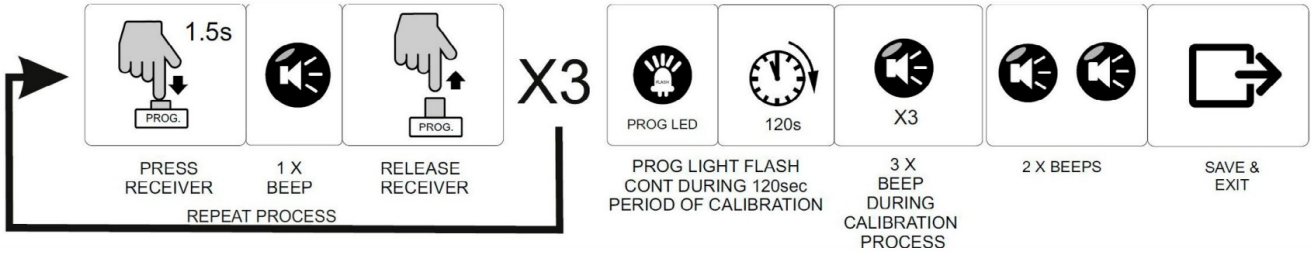
Programming Process

Manual programming of transmitter (up to a total of 7 detectors per receiver)



Memory reset (clearing programmed detectors)

Calibration Process (To Be Carried Out When Detector Fixed Into Position)



- During these 120sec, the transmitters paired with the receiver readjust to the detection they have in their environment, taking these parameters as the initial value.

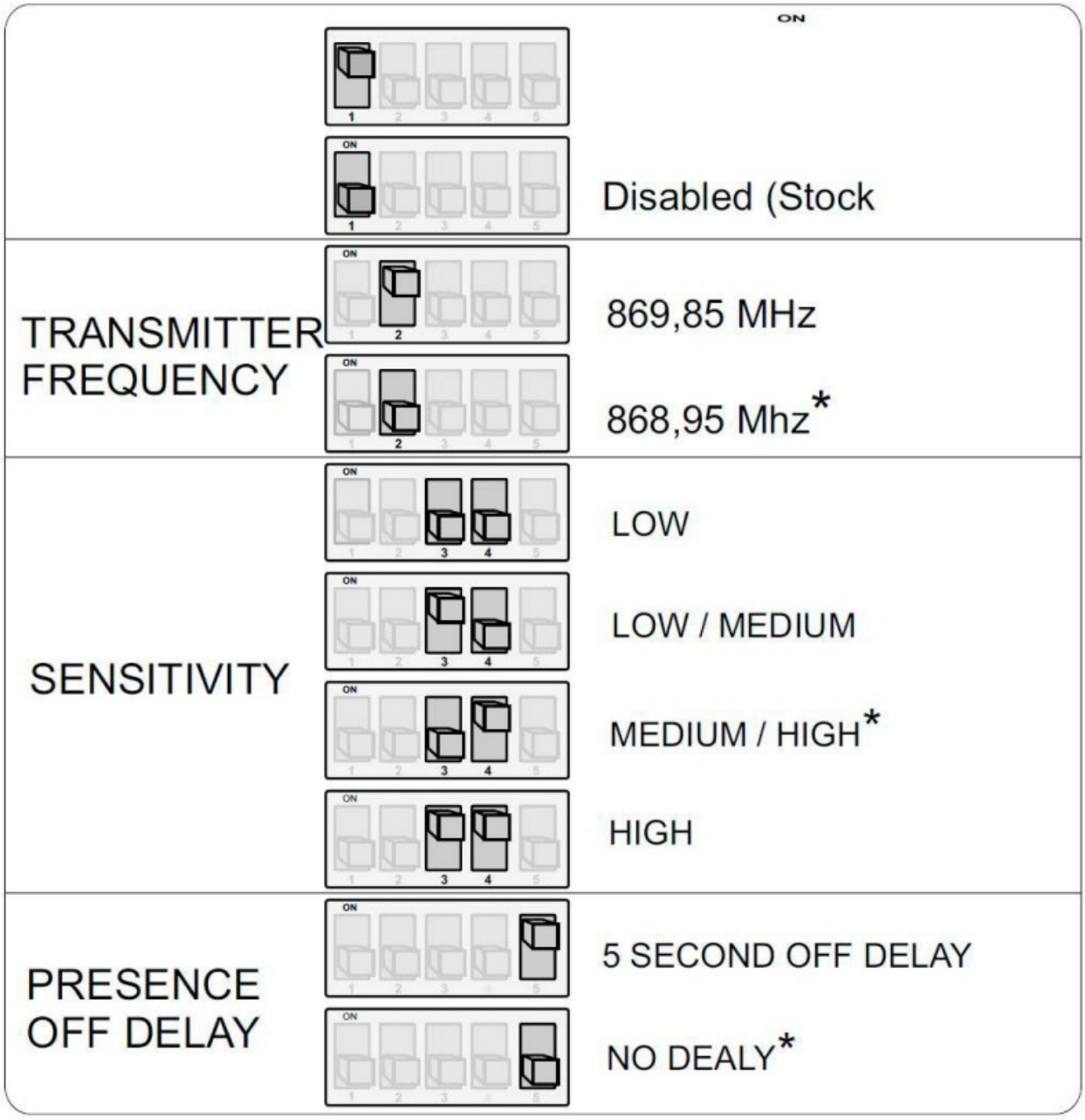
Memory Full Indicator

Several beeps for 10 seconds when trying to memorize a new transmitter. The system can store 7 transmitters per channel.

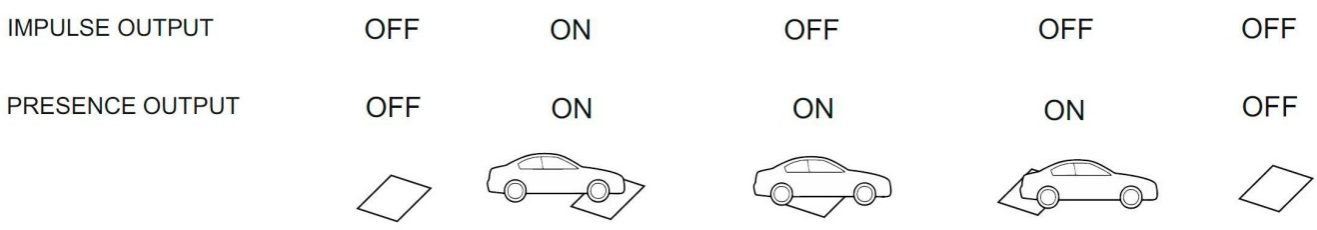
Low Battery Indicator

4 beeps each time a message is received from a programmed transmitter. Both, warning LED and buzzer are activated simultaneously.

Receiver Option Settings



Detection States

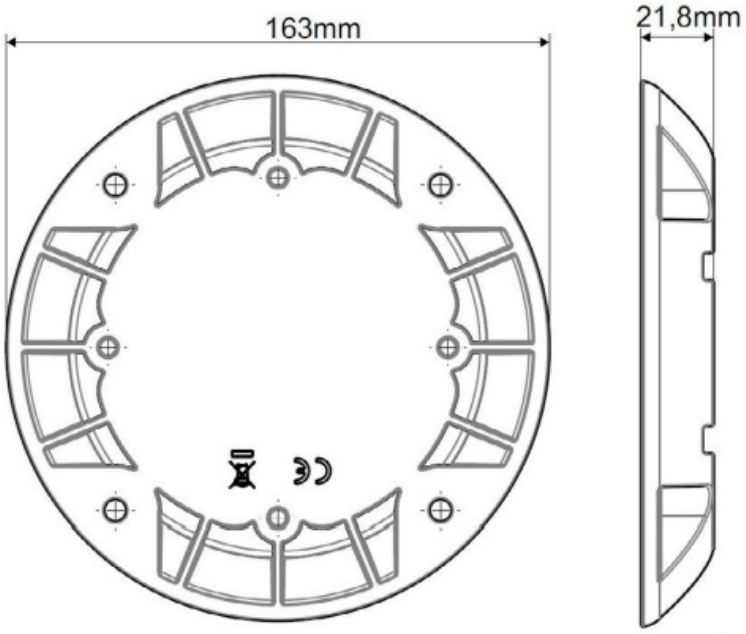


When a vehicle is first detected, both outputs are triggered. Shortly after the impulse output switches off until the sensor is full clear and another vehicle is detected. The presence output remains on as long as the vehicle is detected by the sensor. Once the vehicle has cleared the sensor, the presence output switches off. (NOTE: DIP 5 (ON) on the receiver enables a 5 sec switch off delay) If multiple detectors are used, the impulse

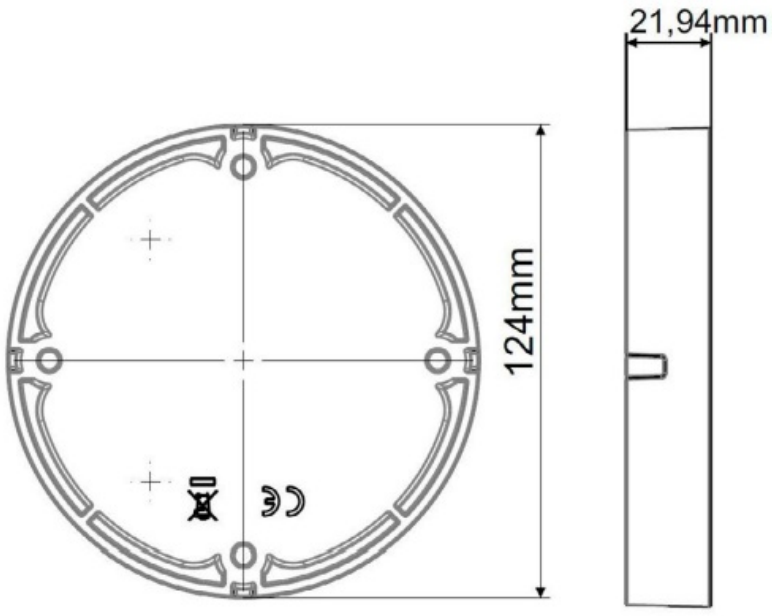
output will switch every time the sensor is activated and deactivated but the presence remains switched as long as one sensor is covered.

Detector Variants

Above ground/ surface mount



Below ground/ embedded



Techanical Specification

TECHNICAL SPECIFICATIONS	
Receiver supply voltage	12/24 AC/DC
Transmitter supply voltage	2x AA 3.6v lithium battert
Battery life	4 years
Receiver memory	7 transmitter per receiver
Receiver outputs	2 Relays, Voltage free contact
Receiver power consumption	0.5 W - 12 V / 1,2 W - 24 V
Glow-wire test (IEC 695-10-2)	PCB (125ºC) WRAP (75ºC)
Degree of protection (IEC 60529)	Ip65 (TX) - IP55(RX)
Frequency channels	868,150 & 869,525MHz
Range	50m
Working temperature	-35ºC to +55ºC
Software	Class A
Rated transient overvoltage	330V
Transmitter power consumption	Transmitting17mA / stand by 100uA
Reaction time	Less than 60 ms

- Installation, start-up, modification and retrofitting of the system may only be carried out by a qualified person.
- Switch off the operating voltage before working on the system.
- The system doesn’t have fuse protection. Is mrecommended include exterior protection minimum 100mA and maximum 250mA.
- If there is any doubt, it is advisable to perform a complete memory wipe (process 7)

Gilbert Wireless Vehicle Detection System

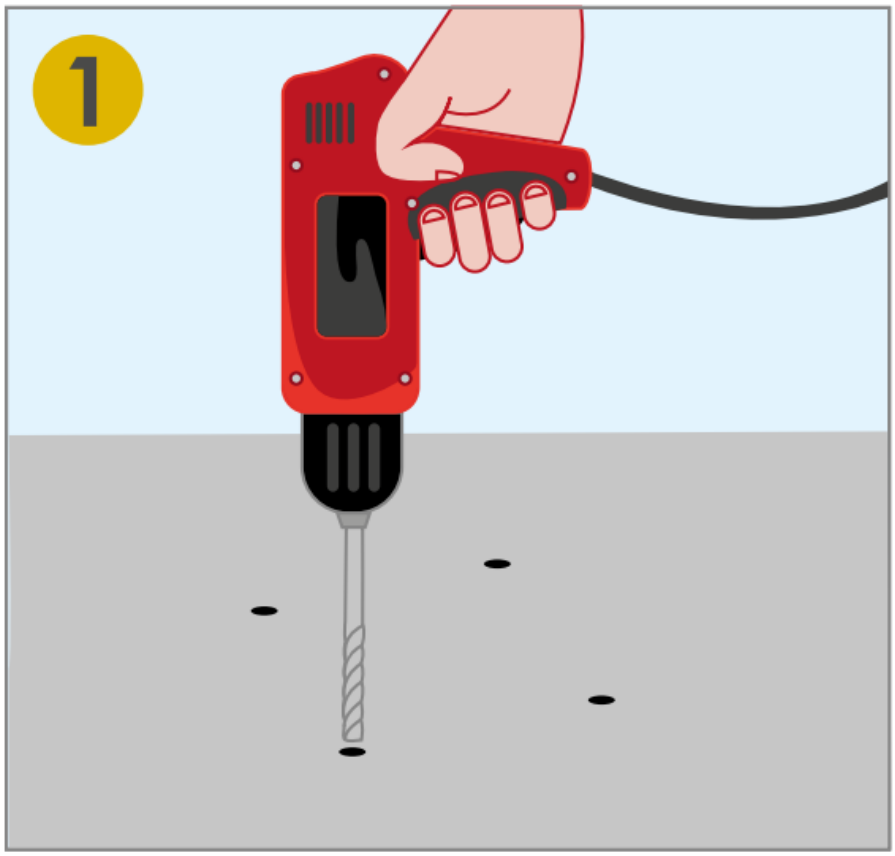
Quick start guide

This guide is designed to help you set up and begin using your wireless detection system with ease. Whether you’re installing the sensors in a car park, driveway, or commercial area, Gilbert delivers reliable, real-time vehicle detection without the need for extensive wiring. Follow the steps outlined below to get your system up and running quickly, ensuring optimal performance and accuracy from the outset.

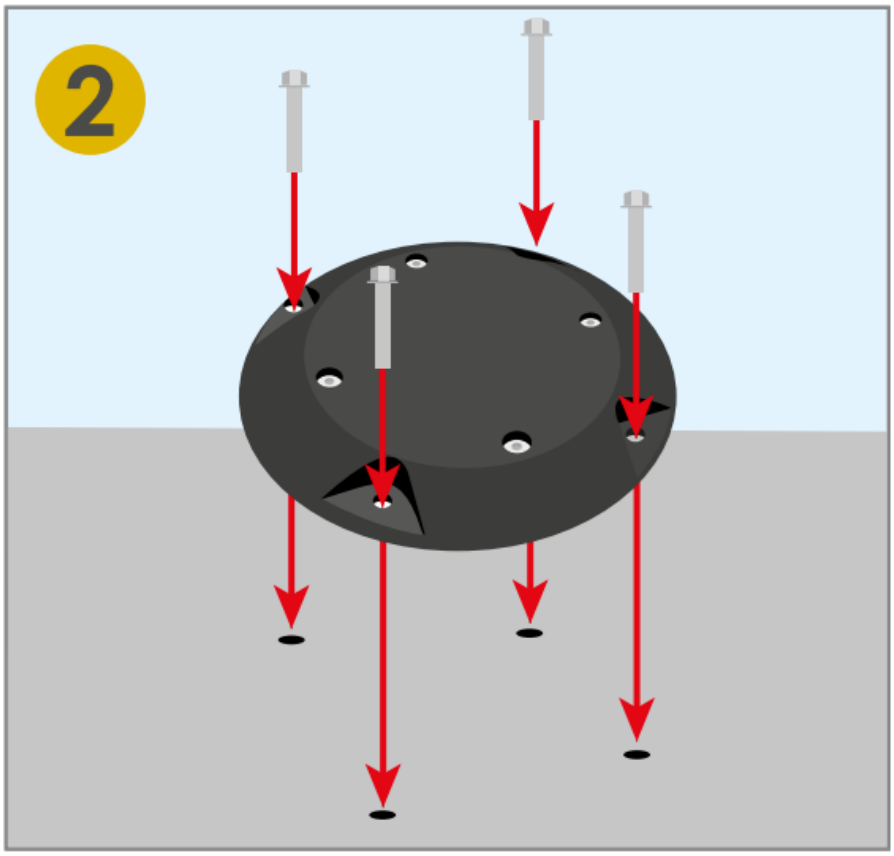
Above ground wireless loop

- **Step 1:** Carefully mark the hole positions on the ground using the mounting base or template as a guide. Ensure correct alignment and that the wireless loop is level, before continuing. Once marked, use an appropriate drill and bit suitable for the

surface material to drill holes at the marked positions.

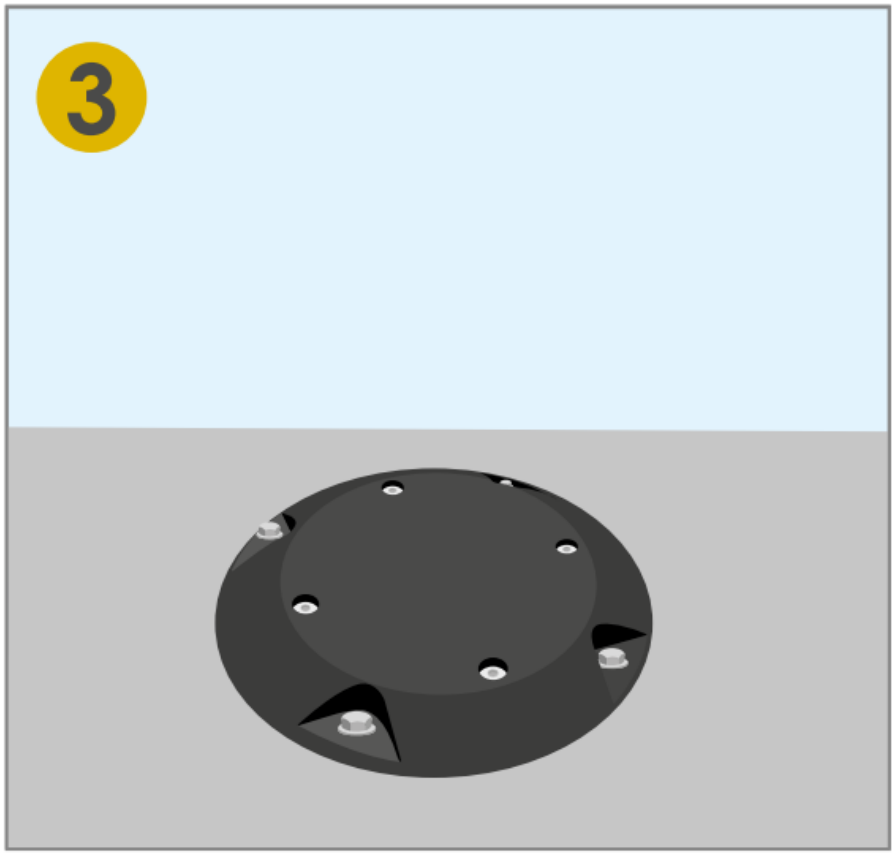


- **Step 2:** Position the wireless loop over the drilled holes, ensuring correct alignment. Insert the provided bolts through the holes in the base of the wireless loop and into thedrilled holes in the ground. Using a suitable tool, tighten the bolts securely to ensure the detector is firmly anchored inplace.



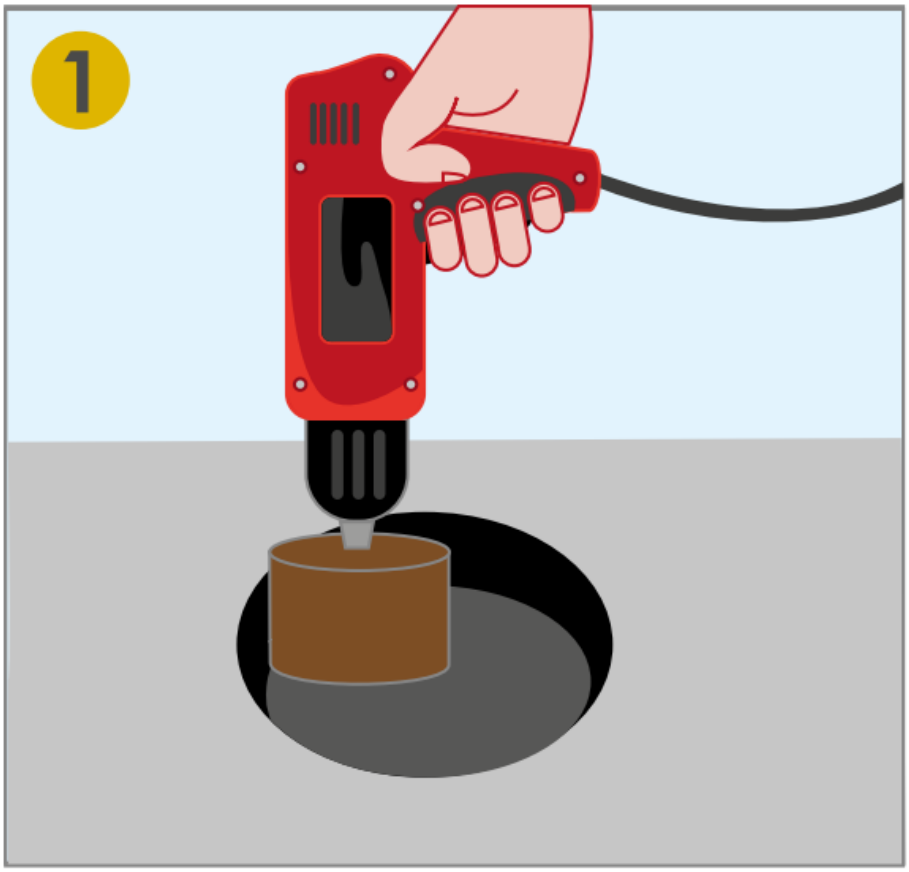
- **Step 3:** Once the AA batteries have been installed (supplied with unit), securely

reattach the lid, ensuring it is properly sealed to protect against dust and moisture. With the unit fully assembled, proceed to run the calibration procedure as outlined in the instruction manual. This step is essential to ensure accurate vehicle detection and optimal performance.

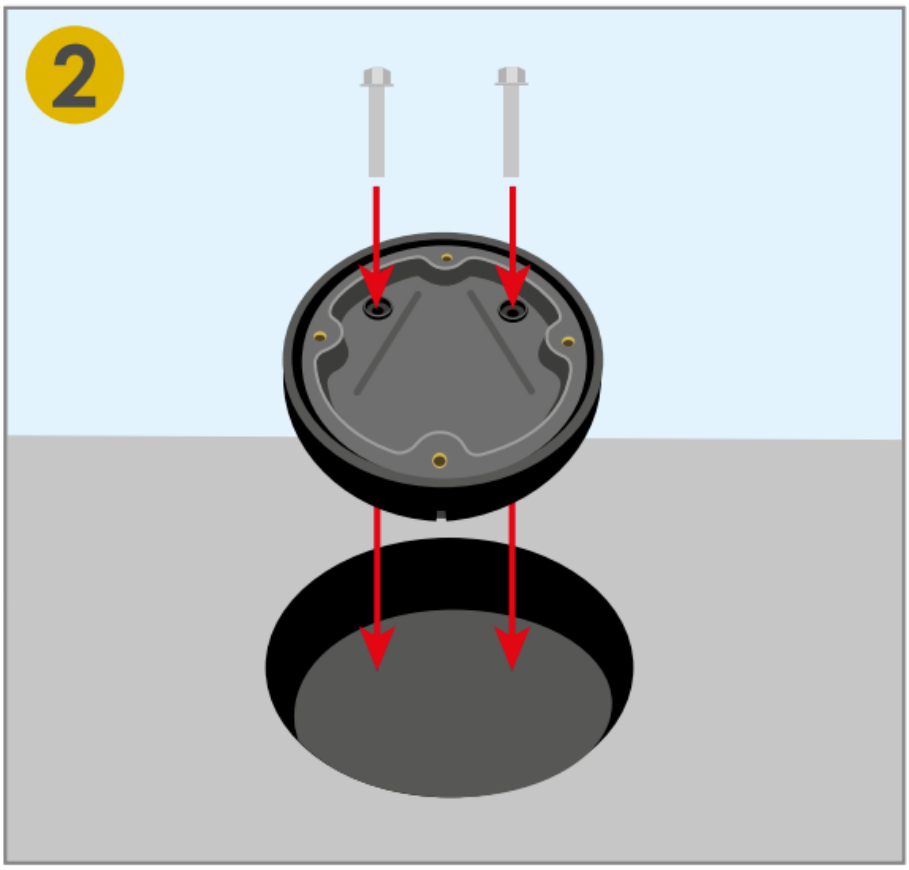


In-ground wireless loop

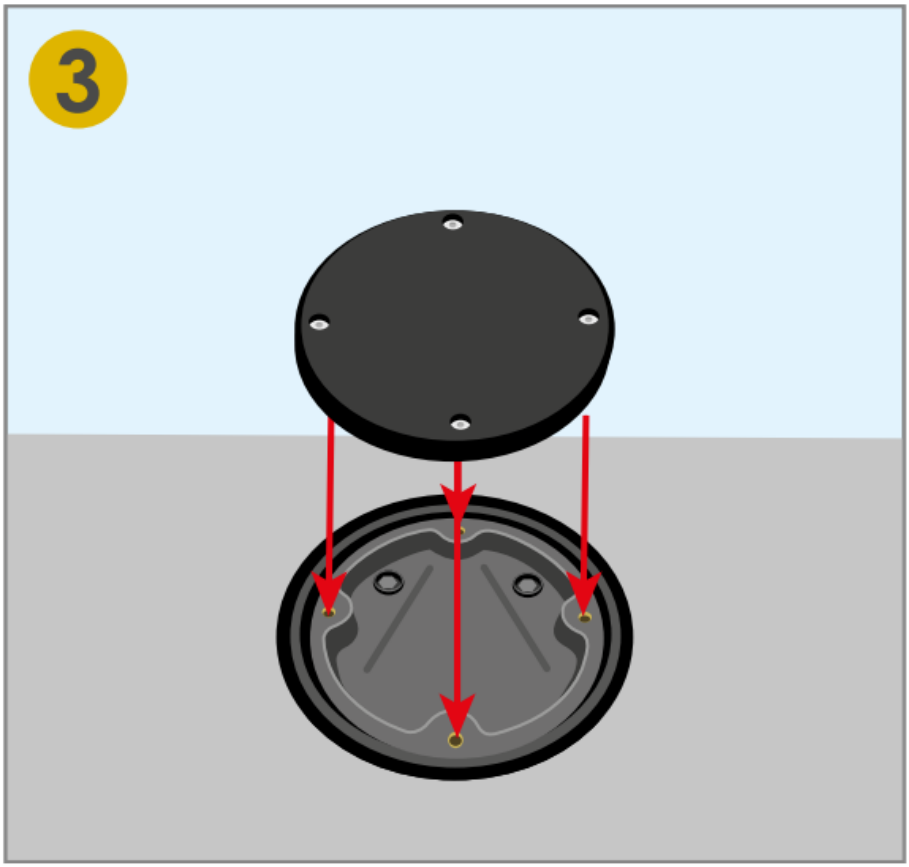
- **Step 1:** Using a core drill, carefully cut a hole in the grounds surface to accommodate the in-ground wireless loop. Ensure the hole is sized correctly, allowing enough space for the wireless loop to sit flush with the surface.



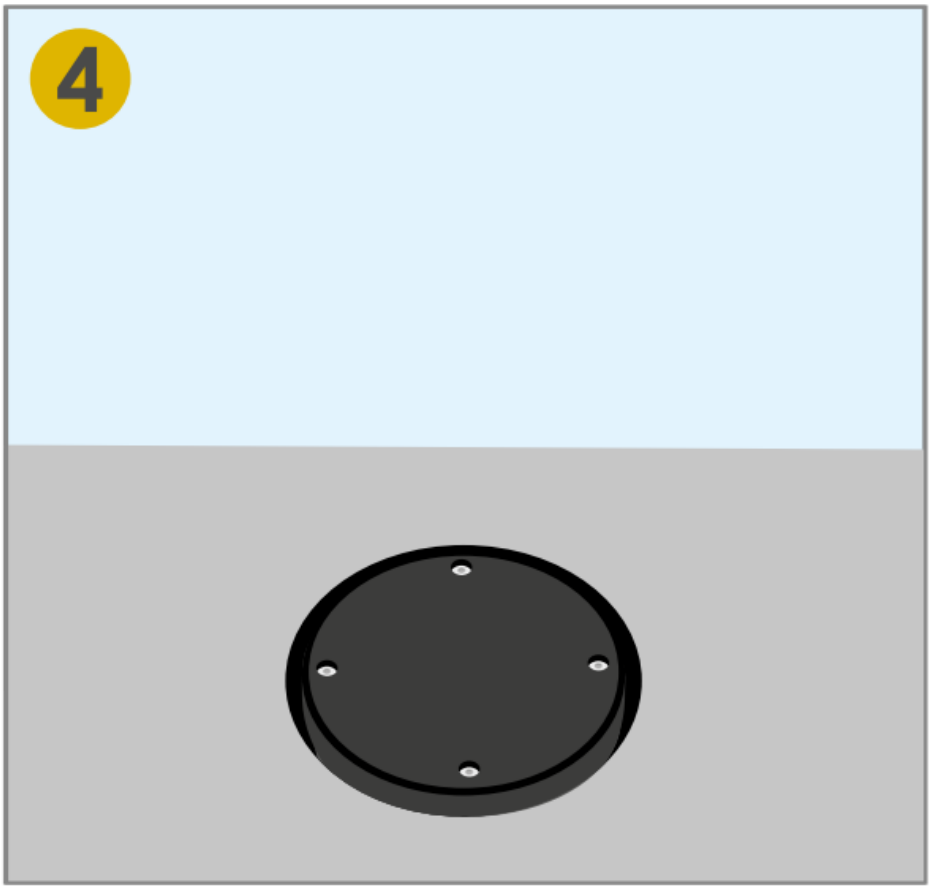
- **Step 2:** Mark the hole positions using the mounting base as a guide, ensuring correct alignment and that the wireless loop is level. Drill holes into the ground at the marked points. Insert the provided bolts through the base and into the drilled holes. Using a suitable tool, tighten the bolts securely to anchor the unit. Ensure sealing components provided are used to maintain weather protection.



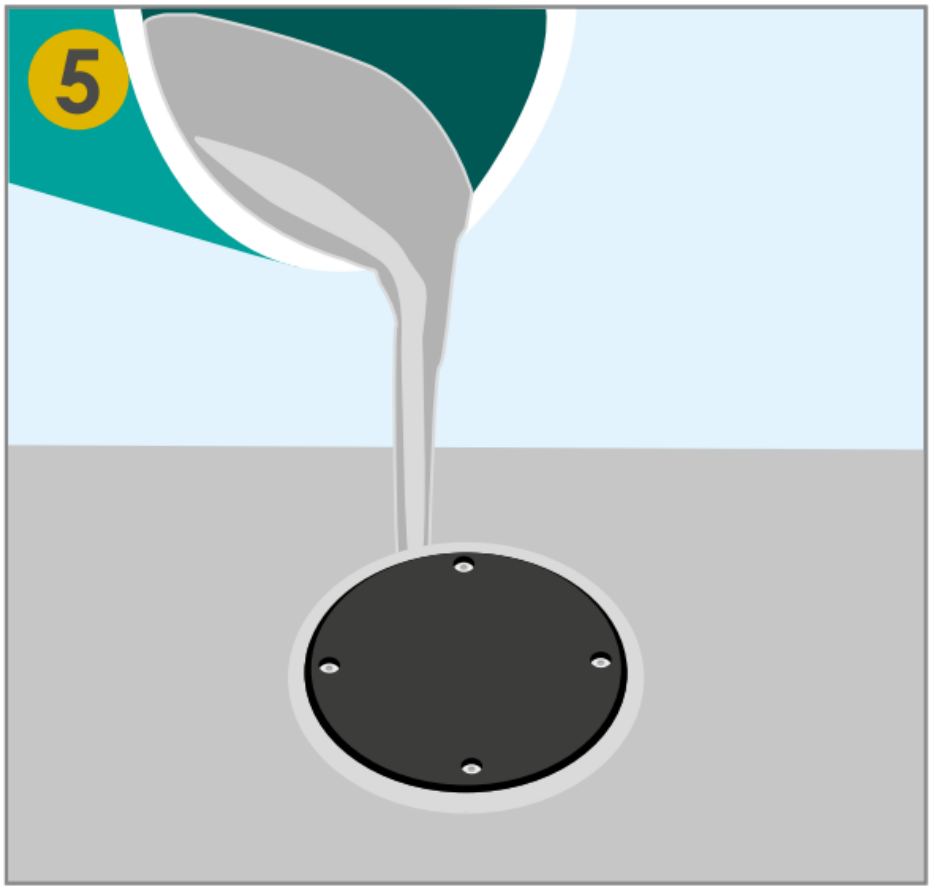
- **Step 3:** Once the AA batteries have been installed (supplied with unit), securely reattach thelid, ensuring it is properly sealed to protect against dust and moisture.



- **Step 4:** With the unit fully assembled, proceed to run the calibration procedure as outlined in the instruction manual. This step is essential to ensure accurate vehicle detection and optimal performance.



- **Step 5:** Backfill any gaps around the wireless loop with a suitable material to ensure stability and prevent water ingress for a flush and secure installation.



Gilbert Above-Ground

SKU

Gilbert Above-Ground (component): CP-6647
Gilbert Above-Ground (Kit): CP-6639
Receiver: CP-RX GILBERT

Gilbert In-Ground

SKU

Gilbert In-Ground (component): CP-6646
Gilbert In-Ground (Kit): CP-6638
Receiver: CP-RX GILBERT

Customer info

- Live technical support +44 (0)1691 655150
- IN2 Access & Control Ltd. Unit 6A Mile Oak, Maesbury Road Industrial Estate, Oswestry, Shropshire, SY10 8GA, UK
- **Web:** www.in2access.co.uk
- **Email:** technical@in2access.co.uk

FAQ

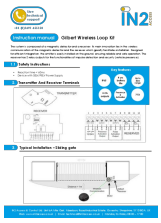
How many transmitters can be stored per channel?

The system can store up to 7 transmitters per channel.

What is the battery type and life expectancy?

The Gilbert Wireless Loop Kit uses 2 x 3.6V AA batteries with a life expectancy of 4 years.

Documents / Resources

	IN2 ACCESS CP-6647 Gilbert Wireless Loop Kit [pdf] Instruction Manual CP-6647 Gilbert Wireless Loop Kit, CP-6647, Gilbert Wireless Loop Kit, Wireless Loop Kit, Loop Kit

References

- User Manual

IN2 ACCESS

CP-6647, CP-6647 Gilbert Wireless Loop Kit, Gilbert Wireless Loop Kit, IN2 ACCESS, Loop Kit, Wireless Loop Kit

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