

# CTL3520 GNSS Interference Detector & Locator

## Product Overview

The Chronos CTL3520 GNSS Interference Detector and Locator is a handheld, battery operated device designed to detect and quickly locate the presence of jamming signals from commercially available GNSS jammers or too much power or interference broadcast in the GPS L1 and Galileo E1 bands.

- Ideal for detecting commercially available GNSS jammers hidden in vehicles
- Time stamped event logging feature enables covert deployment in vehicles where the driver is suspected of using GPS Jammers



Ideal for the detection and location of commercially available GNSS jammers hidden in vehicles

## Applications

Detection and location of GNSS jammers in:

- Any vehicle or human carrier
- Multi-storey car parks
- Taxi ranks at railway stations, airports etc.
- Truck holding areas
- Van depot gates
- Ports, freight & container terminals

## Key Features

- Simple to use
- Detecting and pinpointing GPS jamming at 1575.42 MHz (GPS - L1 & Galileo - E1)
- High sensitivity
- Visual LCD&LED display of jammer strength
- Hand held - small size, light weight
- Rechargeable battery via mini USB
- Low battery indicator

## Users Include

- Law Enforcement Agencies
- Communications Licensing Regulators
- Security Operatives
- Fleet Operators
- Critical Infrastructure Operators
- GPS Installation Engineers



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## Specifications

### Direction Finding and Detection Capability

The CTL3520 has a liquid crystal display which indicates the direction of the jammer with a visual indication. This enables the operator to quickly identify the jammer direction and location in order to mitigate the threat. The CTL3520 is sensitive enough to detect even the lowest power jammers which are commercially available on the market.

### LED Signal Strength Indicators

Eight LEDs are used to indicate signal strength of the received signal centred at 1575.42MHz (GPS L1). Yellow LEDs indicate lower power and red LEDs indicate higher power. Each LED indicates strength in approximately 5dB steps.

### Temperature

Operating: 0°C to +50°C Storage: -20°C to +35°C

### Sensitivity

-100dBm in a 20MHz band around GPS L1

### Physical

Case: WxHxD: 260mm x 120mm x 26mm (including handles)

Weight: 450 grams (including battery)

Battery: Rechargeable lithium polymer battery Battery Life: Approximately 8 hours

### Supplied Accessories

Micro USB power supply and USB cable for charging battery and connection to PC

### Optional Accessories

CTL3520 universal mount with twist body suction cup base designed to have a strong hold on glass and non-porous plastic surfaces. The mount rubber ball and socket system has adjustment points at both ends of the double socket arm allowing for almost infinite adjustment and perfect viewing angles.



Typical Jammers detectable with the CTL3510