

# Identifying Employee Jamming Fleet Tracking System to Leave Work Early



## *Jamming Detector Locates Employee Jamming GPS*

Gloucestershire Constabulary traffic officers were travelling in a marked car northbound on the M5 between junctions 12 and 11A when their Chronos CTL3520 GPS jamming detector was activated by a vehicle on the southbound carriageway. The officers turned at junction 11A, travelled south and caught up with the vehicle which was a works van. The van was still activating the jamming detector as the officers pulled in front and displayed their "Follow Me" matrix board.

The van followed the police officers into Gloucester South Services Area. As it entered the services, it triggered the JammerCam™ which photographs passing vehicles carrying activated GPS jammers.



Police car and van from JammerCam™ event video



Actual captured still from JammerCam™



As an officer walked up to the van he could see a jamming device plugged into the 12 volt auxiliary "cigarette lighter" socket. The officer seized the device and when questioned, the occupant said he was using the device to jam the GPS signal to his company's fleet tracking system to enable him to leave work early without his bosses knowing.



Typical cigarette lighter GPS jammer readily available on the Internet

CASE STUDY



CTL3510 on optional universal mount with suction base



CTL3520 Handheld GNSS Interference Locator

## Product Overview

The Chronos CTL3510 GNSS Interference Detector and Logger is a low cost, handheld, battery operated device designed to detect the presence of GNSS jamming or too much power or interference in the GPS L1 and Galileo E1 bands. If there is enough signal power, CTL3510 also detects spoofing.

- 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

## 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
- Routine checking of new and existing GNSS antenna installations
- Detection of spurious emissions caused by cable/connector corrosion impedance mismatch of new and existing GNSS antenna applications

## 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.

## 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.

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