



# BROADSHIELD

## GPS JAMMING + SPOOFING DETECTION EMBEDDED INTO YOUR SYSTEM



### ASSURE YOUR PNT SYSTEM

We want to integrate our GPS jamming and spoofing detection software, into your hardware platform to assure the Position, Navigation and Timing (PNT) of your product. We have over 75 jamming and spoofing algorithms carefully designed to detect interference and anomalies within the GPS signal and GPS spectrum. Talen-X will work with product manufacturers to provide a software solution that can conform to the needs of your hardware.

**YOUR  
HARDWARE**



+

**TALEN-X  
SOFTWARE**



=

**ASSURED PNT**



*Our team will work with your engineers to integrate our software into your product without requiring additional hardware.*

### DETECT AND DEFEND

Without any measures in place to detect GPS jamming or spoofing, PNT systems can become unreliable due to the incorrect dependent of time or position from the GPS receiver.

BroadShield detects jamming and spoofing signals that may be interfering with the GPS spectrum. Once detected, BroadShield is designed to take action automatically, protecting your PNT system from reporting incorrect or erroneous data to downstream devices.

[www.talen-x.com/broadshield](http://www.talen-x.com/broadshield)

**TALEN-X**  
COMMUNICATE - NAVIGATE - EXCEL

**WEBSITE**

[www.talen-x.com](http://www.talen-x.com)

**CONTACT**

[sales@talen-x.com](mailto:sales@talen-x.com)

- REQUEST A QUOTE
- SCHEDULE A DEMO

# BROADSHIELD

GPS Jamming + Spoofing Detection  
Embedded Into Your System

## ATTACKS ON THE RISE

An increased number of GPS jamming and spoofing attacks have been reported and documented over the past five years. With high quality software-defined radios (SDRs) becoming more affordable, hardware capable GPS spoofing and jamming is more available than ever.

As the hardware platform has become readily available, there is now open source software available that can turn these low cost SDRs into GPS simulators and jammers. It is more critical now than ever to ensure the necessary precautions are taken to protect your PNT

## DETECTION

### JAMMING

- CW Tone
- Swept CW
- Pulsed CW
- AWGN
- BPSK
- BOC
- More...

### SPOOFING

- GNSS Simulators
- Anomalies in the GPS Data
- Data inconsistencies
- Jumps in position and time

## TRUST IN TALEN-X

Have trust in your products PNT solutions knowing that Talen-X's interference and detection algorithms have been rigorously tested and field proven for over a decade. Our detection capabilities are regularly updated to conform to new and emerging threats.

Our software runs on nearly any operating system. With the flexibility of converting our interference and detection algorithms into most major programming languages, no product is out of the question. Our team will work with you to evaluate which receivers may be supported.

## INTEGRATION - WHAT IS NEEDED

- GPS receiver that can provide raw data to our software
- Processing unit to run the interference and detection algorithms
- Integration support – work with our team to make it successful

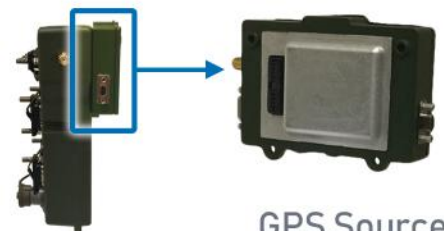
# TALEN-X

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+ BROADSHIELD



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GPS Source  
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GPS