



## GPS / GNSS Solutions

### GPS/GNSS Repeater



#### Features

- GPS / GNSS support (GPS Glonass & Galileo)
- High efficiency directional indoor retransmitting antenna

#### Applications

- Aircraft hangars
- Border surveillance
- Fire/Police stations
- Tunnels
- Data centers
- Fleet management
- Military bunkers

# GPS/ GNSS Solution

## Product Description

Foxcom's GNSS repeater solution is the ideal solution for retransmitting GNSS signals indoors.

The repeater system provides seamless coverage inside a hangar or a large facility enabling the testing of navigational systems.

The Repeater Kit consists of an active repeater, indoor/outdoor antennas and 3 x 30ft coax cables. Using top RF-Noise performance and a unique indoor directional RHCP antenna, the system provides better coverage, consumes less power and adds less distortion than compatible systems.

The system supports single or dual transmission zones enabling indoor coverage of up to 1500m<sup>2</sup>.

## System Specifications

<b>GNSS Repeater System</b>	
<b>RF Spec</b>	
System frequency range	1100-1570MHz
GPS support	L1/L2
Glonass support	L1/L2
Galileo support	E1/E5/E6
Gain	<b>50dB</b>
Number of supported indoor antenna	1 or 2
Noise figure (RSU to ASU)	<2dB
<b>Antenna Supplied</b>	
Outdoor antenna type	Active powered from the repeater
Indoor antenna type	Passive RHCP with dB Gain
Outdoor recommended cable loss	<10dB
Indoor recommended cable loss	<3dB
<b>Environmental Specifications (Outdoor Unit)</b>	
Operating temperature	-32°C-49°C (operational), -32°C-71°C (storage)
Storage	
Humidity	95% @ 35°C Non-condensing
<b>Physical Specifications</b>	
RF connectors	SMA TNC Female
Operating voltage/Current consumption	12VDC/0.5A
Dimensions	370x150x700 mm

## Ordering Information

<b>Model Number</b>	<b>Description</b>
GPSKit-R-C-U-2-2-0	Coaxial GNSS Repeater Kit, supplied with active outdoor antenna and indoor RHCP directional antenna