



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

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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 1500m².

System Specifications

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

Ordering Information

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

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