

ROGER[™] GNSS Repeater

GNSS-L1G1GA-US

Key Features:

- Automatic gain limitations
- Oscillation prevention with indicator
- Maximal coverage for CE approved repeater
- Sustaining GPS L1 / Galileo E1 / Glonass G1 / BeiDou B1 fix when moving from indoors to outdoors.
- Full product family with repeaters, amplifiers, and splitters.



Public Safety



Aircraft Hangars



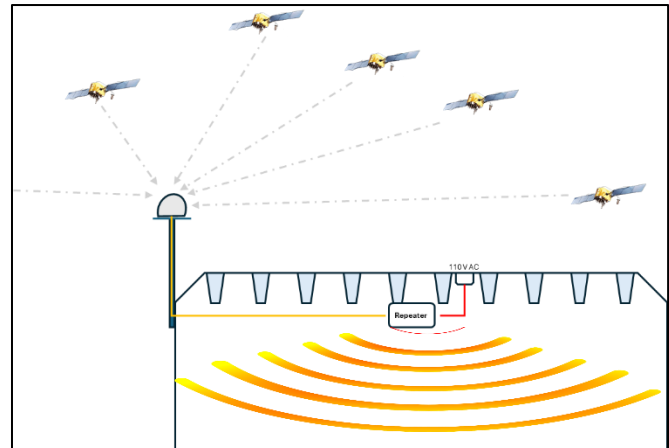
**Test
&
Verification**

**Assembly Lines
&
Manufacturing**



How does the ROGER™ GNSS Repeater work?

The ROGER™-GPS repeater works by receiving satellite signals (BeiDou B1 / Galileo E1 / Glonass G1 / GPS L1) with an outside antenna that has a free and unobstructed view of the sky and the satellites. The active antenna distributes the signals via a coaxial cable to the repeater which then re-radiates the signals indoors or underground.



Technical Specifications		
Frequency:	BeiDou B1 (1.5611 GHz), Galileo E1 (1.57542 GHz), Glonass G1 (1.602 GHz), GPS L1 (1.57542 GHz)	
Size:	4.33 x 5.62 x 1.10" (110 x 143 x 28 mm)	
Enclosure rating:	IP40	Protected against solid objects larger than 1mm, no protection against water ingress
Weight:	4.76 oz (165 g)	
Overall Gain:	>40 dB	
Adjustable Gain:	0 – 40 dB	
Impedance:	50 Ω	
Input connector:	SMA Female	
Operating Temperature:	-13 - +131° F (-25 - + 55° C)	
Current consumption:	300 mA	
DC Input:	12 VDC	
Indoor Coverage:	Up to 164 ft. (50 m)	
Antenna power output::	+ 5 VDC, 100 mA	
TX Antenna Gain:	Max.+4dBd, RHCP polarized	Right-Hand Circular Polarization reduces interference
Enclosure color:	Black	

High Tech Products – Outstanding Service

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