

ROGER™ GNSS Repeater

GNSS-L1L2G1GA-67-BP40-US

A single ROGER™-GPS (GNSS-L1L2G1GA-67-BP40-US) Repeater Package is enough to provide an indoor signal coverage area of ~ 10,700 ft² and up to 131 ft. from the repeater center. Mount the external antenna on the roof of the building and connect the cable supplied with the kit to the antenna and to the repeater installed indoors. Connect the power supply unit to the repeater, adjust the repeater's transmission power according to the local conditions, to prevent a signal loopback, and indoor GNSS coverage for BeiDou B1 (1.561 GHz)/Galileo E1 (1.57542 GHz)/Glonass G1 (1.602 GHz)/GPS L1 (1.57542 GHz) and GPS L2 (1.2276 GHz) is immediately available. With a ROGER™-GPS repeater you can avoid time consuming signal acquisition when moving from indoors to outdoors and vice versa.



Several ROGER™-GPS Repeater Packages can be installed in the same building. Alternatively, the signal coverage provided by a single package can be extended with ROGER™-GPS Accessories, such as line amplifiers and signal splitters.

WHAT'S IN THE BOX:

- Outdoor antenna for receiving the GNSS signals
- Adjustable antenna mount and cable spacer
- ROGER™-GPS Repeater unit (GNSS-L1L2G1GA-67)
- Power supply
- RF-cabling, 131 ft. (40 m) including connectors
- Manual



TECHNICAL SPECIFICATIONS		
Frequency	GPS L2 (1.2276 GHz), GPS L1 and Galileo E1 (1.57542 GHz), Beidou B1(1.561 GHz), Glonass G1 (1.602 GHz)	
Size	9.60 x 6.49 x 2.51 inches (244 x 165 x 64mm)	
Weight	21.51 oz (610 g)	
Overall Gain	> 40 dB	
Noise Figure	< 2 dB	
Adjustable attenuation	0 - 40 dB	Two separate Gain Adjustment knobs
Impedance	50 Ω	
Input connector	TNC-female	
Operating temperature	-40 to 167 °F (-40 to +75 °C)	
Gain internally	+12 dB	
Attenuation out port	+ 4 dB	
Power supply	+12VDC, 1,5 A	Power supply with US plug included (optional IP67 PSU available)
Antenna power output	+5VDC, 100mA	
TX antenna gain	+4 dBd, RHCP polarization	Right-Hand Circular Polarization reduces interference
Type Approval	CE 1986 (!) R&TTE Directive (Directive 199/5/EC)	
Antenna Gain	+35 dB	
Coaxial Cable Length	131 ft. (40 m)	Kit with 65 ft. (20 m) cable available (GNSS-L1L2G1GA-67-BP-US)

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