

# ROGER™ GNSS Basic Package

## GNSS-L1G1GA-BP-US

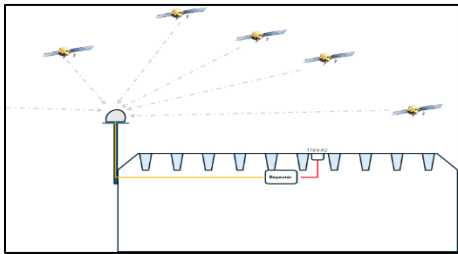
**Key Features:**

A single ROGER™-GNSS Repeater Package is enough to provide BeiDou B1 (1.5611 GHz), GPS L1 (1.57542 GHz), Glonass G1 (1.602 GHz), and Galileo E1 (1.57542 GHz) indoor signal coverage area of ~ 10,700 sq ft (~ 1,000 m<sup>2</sup>) and up to 164 ft. (50 m) 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 is immediately available.



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

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)	
Weight:	4.76 oz (165 g)	
Overall Gain:	>40 dB	
Noise figure:	< 2 dB	
Adjustable attenuation:	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
Coaxial cable length:	~ 65.6 ft (20 m)	Or GNSS-L1G1GA-BP40-US with 40 m (~131 ft. cable)
Outdoor antenna gain:	38 dB	
Enclosure rating:	IP40	Protected against solid objects larger than 1 mm, no protection against water ingress.



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