

## ROGER™ GNSS Repeater Package

### GNSS-BPDC

A single ROGER™-GNSS Repeater Package is enough to provide GNSS indoor signal coverage area of up to 131' (40 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.



#### The GNSS-BPDC package includes:

- Outdoor antenna for receiving the GNSS-signals
- Adjustable antenna mount and cable spacer
- GNSS-L1G1GA repeater
- Power supply 12V/24V DC option (2:1 & 4:1 Wide Input Range, Regulated Output)
- RF Cabling, 65 ft. (20 m) including connectors

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 5.63 x 1.10" (110 x 143 x 28 mm)	
Weight:	5.82 oz (165 g)	
Overall gain:	>40 dB	
Noise figure:	<2 dB	
Adjustable attenuation:	0-40 dB	
Enclosure Rating:	IP40	Protected against solid objects > 1 mm, no protection against water ingr.
Impedance:	50 Ω	
Input Connector:	SMA-Female	
Operating Temperature:	-13 - +131° F (-25 - + 55° C)	
Power Supply:	+12 V / 1.25 A (Input 9-36V/1.0 A max)	2:1 & 4:1 Wide Input Range, Reg. Output, Low Ripple and Noise
Current consumption:	300 mA	
DC input:	12 VDC	
Antenna power output:	+5 VDC, 100 mA	
TX Antenna gain:	+4 dBd, RHCP polarized	Right Hand Circular Polarization reduces interference
Antenna gain:	+38 dB	

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