

## ROGER™ GNSS Basic Package

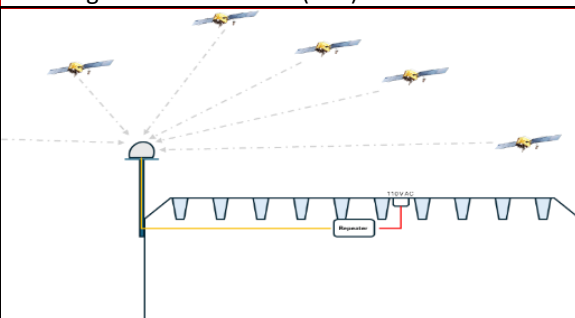
### GNSS-L-BAND-12-BP-US

#### Key Features:

The GNSS-L-BAND-12 repeater is an indoor true multi-band solution providing greater accuracy and more robust performance for Positioning, Navigation and Timing (PNT). It covers the full L-Band frequencies in a single unit. 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), B2 (1.1890GHz), B3 (1.26852 GHz) / Galileo E1 (1.57542 GHz), E5a (1.17645 GHz), E5b (1.207140 GHz), E6 (1.27875 GHz) / Glonass G1 (1.600995 GHz), G2 (1.24806 GHz), G3 (1.20714 GHz) / GPS L1 (1.57542 GHz), L2 (1.2276 GHz), L5 (1.17645 GHz) |  |
| Enclosure rating:        | IP67   | Dust-tight and immersible (1 m) for 30 min   |
| Size:                    | 8.66 x 4.76 x 2.48" (220 x 121 x 63 mm)  |  |
| Weight:                  | 19.85 oz (563 g)   |  |
| Adjustable Gain:         | 0 – 40 dB  |  |
| Impedance:               | 50 Ω   |  |
| Input connector:         | SMA Female   |  |
| Operating Temperature:   | -13 - +131° F (-25 - + 55° C)  |  |
| Current consumption:     | Max. 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                                |
| Outdoor antenna gain:    | 37 dB (typical)  |  |
| Coaxial cable length:    | ~ 65.6 ft (20 m)   | Or GNSS-L-BAND-12 BP40-US with 40 m (~131 ft. cable)                                 |

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