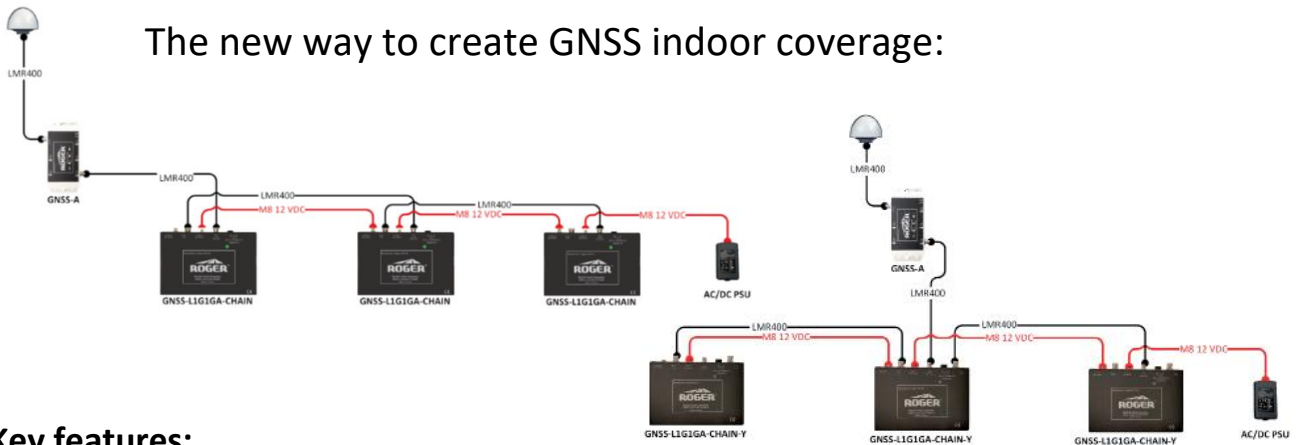
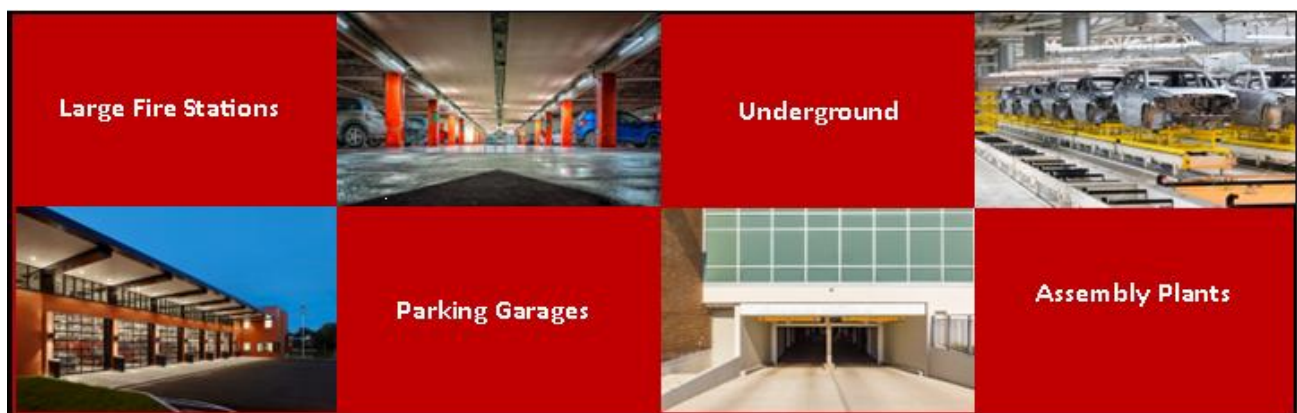


## ROGER™ GNSS Repeater GNSS-L1G1GA-CHAIN-Y



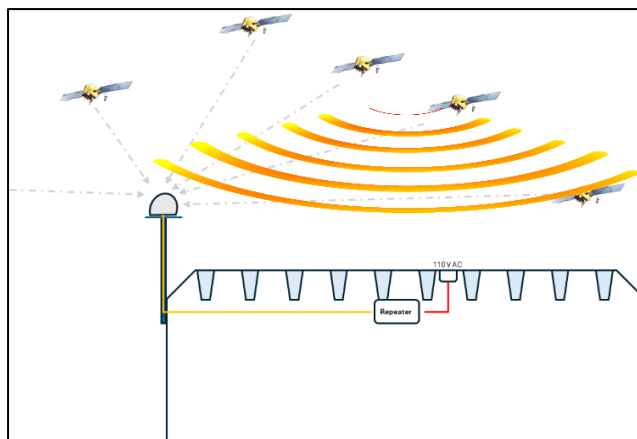
### Key features:

- One or multiple power supplies
- Simple cabling – quick installation
- Easy to extend as needed with two RF-outputs each + 4 dB
- Automatic gain limitation for the repeater
- Oscillation prevention with indicator
- Maximal coverage for CE approved repeater
- Sustaining BeiDou B1/Galileo E1/Glonass G1/GPS L1 fix when moving from indoors to outdoors
- Full product family with repeaters, amplifiers and splitters



## How does the ROGER GNSS Repeater work?

The ROGER™-GNSS 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. Instant tracking of GNSS signals when moving from indoors out.



### Technical Specifications

Frequency:	BeiDou B1 (1.5611 GHz), Galileo E1 (1.57542 GHz), Glonass G1 (1.602 GHz), GPS L1 (1.57542 GHz)	
Size:	9.56 x 6.29 x 2.48" (243 x 160 x 63 mm)	
Enclosure rating:	IP67	Dust-tight and immersible (1 m) for 30 min
Weight:	24.33 oz (690 g)	
Adjustable Gain:	0 – 40 dB	
RF out:	2 x +4 dB	If not in use, terminate with 50 $\Omega$ terminator
Impedance:	50 $\Omega$	
Connectors:	TNC Female	Input and output
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
DC out:	12 VDC voltage continuation via M8 connector to next repeater (max 3 A pass through)	

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