

GPS Repeater for indoor Satellite Reception

- **Ultra High Sensitivity**
- **High Gain GPS Antenna**
- **Compact Size**
- **IP66 rating**
- **External Re-Radiator**
- **10m/30m Re-Radiating**
- **40m RF Cable**

ADA-104/304 is a complete GPS L1 band signal re-radiating system with dual antennas to re-transmit real time GPS satellite outdoor reception to an indoor environment. The system kits include a high gain external GPS antenna, a precisely calibrated amplifier circuit with helix type re-radiator, and a built-in power supply regulator.

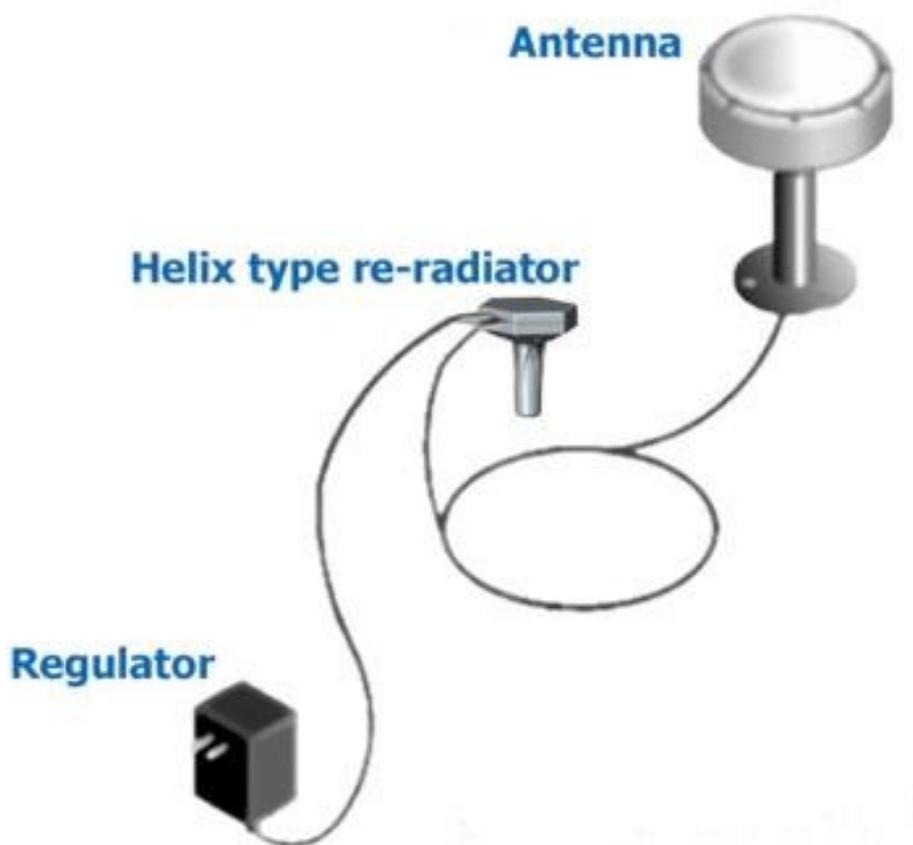


RoHS

Specification

Antenna	Specification
Frequency	1575.42 ± 1.023MHz
Gain	+5.0 dBi typ, at Zenith
Polarazation	RHCP
Axel Ratio	3.0dB typ.
	Total Specification
Frequency Range	1575.42 ± 1.023MHz
Gain	26dB typ.
Bandwidth	2MHz min.
Output Impedance	50Ω
VSWR	2.0 Max
Noise Figure	2.0 Max
Re-Radiating Distance	ADA-104, 10 m; ADA-304, 30m
	Electrical Specification
Operating Voltage	7.5 VDC with power supply 100-240VAC
Current Consumption	Typ: 48mA @ 7,5VDC
	Environmental Conditions
Operating Temperature	-30°C to + 85°C
Storage Temperture	-40°C to + 90°C
Relative Humidity	40% to 95%

	Mechanical Specification
RF Cable	40m Low Loss RF Cable with SMA connector
RF Connector	SMA
Size	33.95 x 25.2 x 10.6mm
Weight	Antenna 237g, Radiator 48g, Power Supply 85g
Mounting	Stainless bracket mount
Water proof	Outdoor Antenna IP66



Ordering codes

TYPE	Description	Comment
ADA-104	GPS Repeater for indoor Satellite Reception	10m GPS Repeater
ADA-304	GPS Repeater for indoor Satellite Reception	30m GPS Repeater

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