

AS 47-G – GPS/ Glonass Repeater System

Art.-Nr. 3010014-G / GTIN: 2910000985900

Description:

The AS 47-G-CS Repeater system is the perfect standalone solution for a good GNSS signal re-radiating indoors, e.g. for laboratories, production lines, repair lines, hangars/halls for airplanes or car manufacturers. The system includes all required components for GNSS indoor signal re-radiating.

The repeater unit includes an integrated amplifier to transmit the incoming GNSS signals over the built in patch-antenna to any number of GNSS receiving systems indoors within a 8-12m cone in front of the transmitting unit.

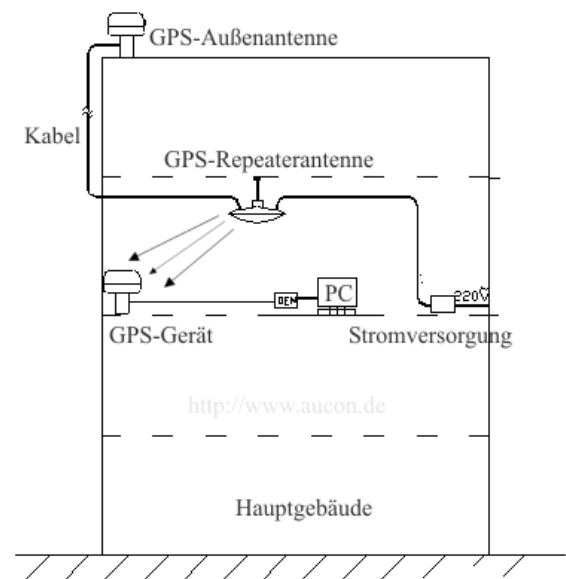
The system carries the CE mark and is compliant to EU directive 2014/53/EU and the low voltage EU directive 2014/35/EU. In some countries a radio license may be required. If you have any questions, don't hesitate to contact us.

Features:

- Complete Dual-Band GNSS Repeater Kit
- For GPS signal reception indoors
- For GPS L1 and Glonass G1 (Russian GNSS)
- 100% waterproof, weather-resistant antenna
- Up to 12 m transmitting range
- Sends GPS signal to any number of GNSS receiver
- CE compliant



AS 47-G



* GNSS = Global Navigation Satellite System, umbrella term for all Sat-Nav-Systems which are available worldwide

** In Germany a licence from BNetzA is required

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ELECTRICAL SPECIFICATIONS

> Input/ Output Impedance	50 Ω
> Frequency	GPS L1 1575 +/- 5 MHz Glonass G1 1609 +/- 7 MHz
> Total gain	45 dB
> SWR Input	2.0 : 1
> Polarisation	R.H.C.P.
> Axial ratio	3dB max.
> Current consumption	55 mA +/- 3mA
> AC/ DC voltage	
Supply Input	230 V AC
Repeater Input	7,5 V DC
Repeater Output	5 V DC
> Cable Type	RG 58 A/U Low Loss or LMR195 PE

PHYSICAL SPECIFICATIONS

> RF connectors	
Repeater	SMA-f
Antenna	TNC-f
Cable	SMA-m / TNC-m
> Cable length	40 m + 2 m
> Temperature range	- 25 to 60°C
> Dimensions	
Antenna without feet	\varnothing 110 x 70 mm
Repeater (B x H x T)	80 x 80 x 90 mm
> Weight	ca. 220 g without feet
> Mount	
Pole aluminum	thread on both ends
VA steel feet	thread or mobile use
> Antenna housing	100% waterproof

DELIVERY CONTENTS

- > Active receiver antenna
- > Stainless steel base 110 mm
- > 40 m cable assembled
- > Repeater (transmitter)
- > Power supply 230 V / 7.5 V
- > Manual

Order Information

Please contact AuCon GmbH for information about pricing and availability.

If you have any questions, don't hesitate to contact us!

CE!

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NOTES

The maximum distance from the transmitting antenna to the GNSS-system indoor under test is about 10-12 m for the AS47-G. The antenna pattern is conical. Please ask us if you need GNSS-splitters (1 to 2, 1 to 4, 1 to 8) for more than one indoor repeater. You can test as many GNSS-systems as you like in the repeating range.

Only run this system with the delivered configuration. Misuse leads to a loss of warranty. Please contact us, if you want to operate the repeater kit in a special configuration.