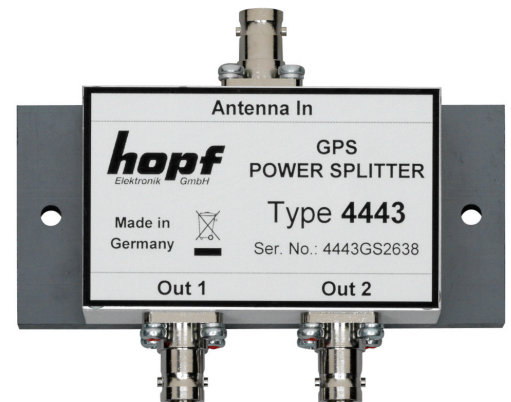


FG4443G00 passive GPS 2x Power Splitter

If only one GPS antenna can be installed (due to structural or other reasons), it is however possible to operate two GPS receivers with one common GPS antenna by using the passive GPS antenna splitter 4443.

Voltage for Power Splitter 4443 is supplied internally by the system via the GPS antenna cable of the connected **hopf** GPS receivers. No external power supply is needed to operate the application.

The GPS antenna splitter 4443 can also be used together with a third-party device if at least one of the connected GPS receivers provides suitable supply voltage via the antenna cable and if all connected components are working in accordance with the original GPS L1 antenna signal.



The power splitter is built in a HF-proof housing with an insulated base plate. The unit can therefore be easily screwed to the wall near the GPS receivers. The GPS antenna is connected to the BNC-connector called "Antenna In". On the opposite side of the housing two signal outputs to the GPS receivers are located.

Technical Data:

General	
housing dimensions: (high frequency housing incl. mounting plate and connections)	107 x 86 x 30 mm (D x W x H)
power supply: system-internally via connected hopf GPS receivers	4,5 - 7V DC
humidity:	95% non-condensing
protection of housing:	IP50
category of usage:	indoor, protected
MTBF value:	> 10,000,000 hours
weight:	approx. 0.21 kg
material	
high frequency housing:	aluminium
mounting plate:	plastics / PVC-CAW
connections	
input / outputs:	BNC-connector, other types of connections on request
electrical characteristics	
impedance:	input / outputs 50 ohm
frequency range:	GPS L1, 1575 MHz
band width:	± 50 MHz
insertion loss per branch:	approx. 1 dB
temperature range	
operation:	-20° C to +80° C
storage:	-40° C to +85° C