

GPS DOME

GPS DOME is a bolt-on module that provides affordable, effective protection against the jamming of GPS receivers.



It ensures continuity of the navigation and timing signals used by emergency services, logistics, security, and commercial operations. No other device that offers the same level of performance is as small, light, affordable or as easy to install and conceal as GPSdome.

APPLICATIONS

Designed with in-vehicle applications in mind, GPSdome is also suitable for a wide variety of other platforms such as personal backpack platforms, stationary applications and many more

BENEFITS

- ▶ Simple to install - GPSdome is a retrofit solution which does not require any changes to existing GPS installations which keeps installation time to a minimum.
- ▶ Many installation options - Its small size and low power consumption makes GPSdome ideal for installations where space and power are limited making it suitable for covert applications.
- ▶ Widely compatible - GPSdome can be deployed to add protection to existing installations which have a GPS receiver with external antenna.

SETUP

GPSdome is simply connected in-line between the existing GPS antenna and receiver. An additional GPS antenna is required (supplied) and power is taken directly from the power that the receiver provides to the antenna.

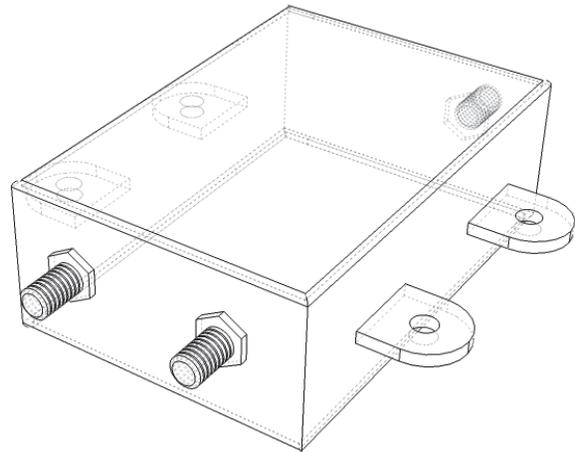
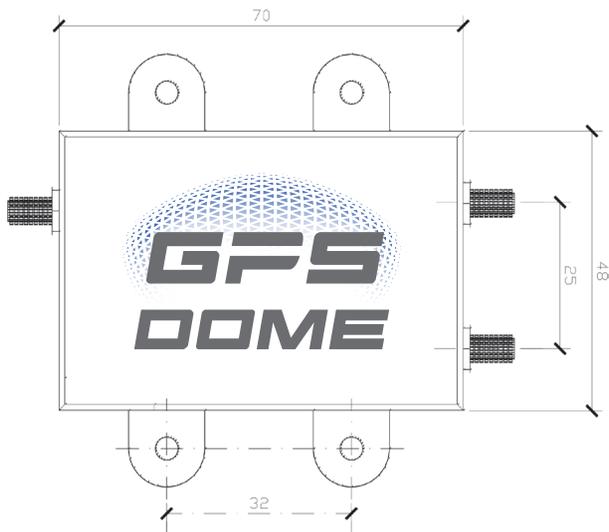
A jamming alert indicator (LED), on the device, signals green for normal operation and red when jamming is detected.



GPS DOME

Specifications Summary

Dimensions



Physical	
	70mm x 48mm x 24mm
Weight	
Mounting	4 x M3 bolts (not supplied)

Environmental	
Operating Temp. Range	-40°C to 85°C
Protection	IP67

Interfaces	
Primary Antenna Input (P)	50Ω SMA (for active GPS antenna)
Auxiliary Antenna Input (A)	50Ω SMA (for active GPS antenna)
Auxiliary Antenna Input (R)	50Ω SMA 3-12VDC 0.75W*

*not for DF option

Performance	
Protected Signal	70mm x 48mm x 24mm
Latency	150g
Compression Point	4 x M3 bolts (not supplied)

Safety & Compliance	
R&TTE 1999/5/EC : EN60950-1	1575.42 MHz (GPS L1 C/A Code)
EN301 489-1	
EN301 489-3 EN300 440-2	
RoHS compliant	
WEEE registration numer WEE/GK2929WW	

Description	
GPS Dome Kit - compromising	
1 x GPS Dome Module	
2 x GPS Antenna (AA.105.301111) or equivalent	

ORDERING INFORMATION

CAT NO	Description
GPS DOME 1.0	Standard products
GPS COME 1.0 DF	Additional 3W cable for 12VDC feed and indication for jamming status