



## FEATURES

- **Industry Grade GPS Antenna**
- **Rugged Weatherproof plastic housing**
- **Provides Positional Data in AIS Transmissions**
- **Fully waterproof (IP67)**
- **Low noise integrated amplifier**
- **Voltage: 2.5 – 5.5 V dc**
- **Storage temperature: -40°C to +100°C**
- **High performance GPS patch antenna**

## ANTENNAS & AERIALS

# AG100 GPS ANTENNA

SKU: 001-1030

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## OVERVIEW

The AG100 is a GPS antenna for use with the CSB200 Class B Transceiver and all Comar AIS receivers with a GPS input.

A high performance GPS patch antenna and a low noise amplifier are integrated into a fully waterproof enclosure, providing excellent antenna signal amplification and out-band filtering with rejection. Supplied with external flagpole-style mount for cabin-roof mounting.

## APPLICATIONS

- For providing Positional Data in AIS Transmissions
- Improving Safety at Sea

## RELATED PRODUCTS

AV400 - Commercial Antenna for AIS

AV300 - Fibreglass VHF antenna

AV100 - Masthead Antenna, Stainless Steel Whip

Comar's range of AIS Transponders

PHYSICAL	
<b>Weight:</b>	150 g (without cable)
<b>Dimensions:</b>	Antenna: Dia. 80 mm H 71.3 mm
<b>Mounting:</b>	1 Inch 14 TPI threaded mountured
<b>Mounting Base:</b>	W 110 mm L 70 mm H 75.2 mm
<b>Construction:</b>	Plastic, Centre-fed TNC connector for antenna output

ENVIRONMENTAL	
<b>Operating Temp:</b>	-30 °C to +80 °C
<b>Storage Temp:</b>	-40 °C to +100 °C
<b>Relative Humidity:</b>	40% to 95% non-condensing
<b>Water Resistance:</b>	100% waterproof IP67

ELECTRICAL	
<b>Supply Voltage:</b>	5.0 V dc
<b>Current Consumption:</b>	18 mA @ 5.0 V dc
<b>VSWR:</b>	1.5 max
<b>Output Impedance:</b>	50 Ω
<b>Center Frequency:</b>	1575.42 MHz
<b>Gain:</b>	30 +/-4.5 dB
<b>Noise Figure:</b>	2.0 max
<b>Bandwidth:</b>	2 MHz min.
<b>Cable:</b>	10 metre RG58 A/U
<b>Connections:</b>	TNC connector



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