



TA50  
INSTALLATION  
GUIDE  
02175-00 AC

## TRIG WARRANTY

Trig Avionics warranty runs for a two-year period, starting from the date of installation.

This warranty covers repair and/or replacement at our option, of any parts found to be defective, provided such defects in our opinion are due to faulty material or workmanship and are not caused by tampering, abuse, or normal wear.

Our warranty service is provided FCA our location or our other associated Trig Service Centres.

Trig Avionics will not accept or pay for any charges for warranty work performed outside our factory without prior written consent.

This warranty applies only to products in normal use. It does not apply to units or circuit boards defective due to improper installation, physical damage, tampering, lightning or other electrical discharge, units with altered serial numbers, or units repaired by unauthorized persons or in violation of Trig Avionics service procedures.

Trig Avionics assumes no responsibility for any consequential losses of any nature with respect to any products or services sold, rendered, or delivered.

### **Out of Warranty Repairs**

Trig provides product support beyond the warranty period of two years. After this period, any avionics requiring repairs should be returned to one of our Approved Trig Dealers. If a repair is necessary this will be charged at a standard rate, irrespective of the nature of the fault. Trig guarantees to repair or replace a product even if the cost of the repair exceeds our standard charge. If you wish to access our out of warranty support, then please approach your Approved Trig Dealer or Trig Support for further information.

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Thank you for purchasing a Trig TA50 GPS antenna.

This pack contains installation information and support and warranty information.

All our avionics are thoroughly tested prior to despatch and are designed to provide years of trouble free service. To access technical support for your Trig Avionics product you should first contact your Approved Trig Dealer.

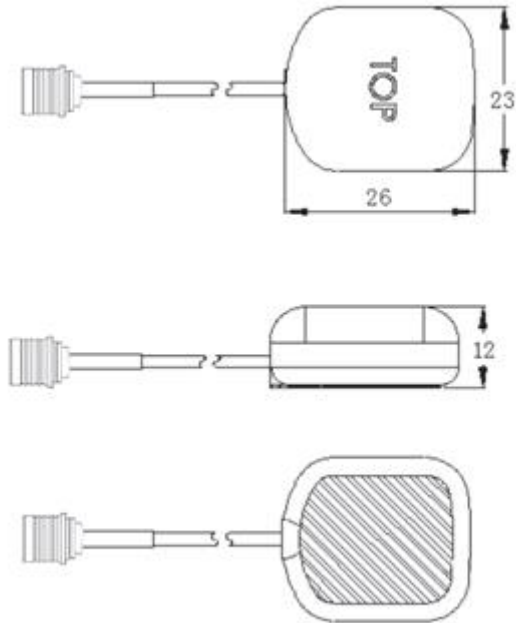
If you have any further technical questions, then please access your closest Trig Service Centre through the support section of our website.

[www.trig-avionics.com/support/](http://www.trig-avionics.com/support/)

Thanks,

The Trig Team  
[enquiries@trig-avionics.com](mailto:enquiries@trig-avionics.com)

## INSTALLATION GUIDE



1. Mounting location: The TA50 can be mounted either internally or externally. The antenna must be mounted in a location that will assure the best possible (360° at the horizon) unobstructed view of the GPS satellite constellation in level flight – for example, on the roof of the aircraft or on top of the glare shield. For best performance the antenna should be mounted on a metallic surface of at least 7cm square to form a ground plane.
2. Ensure that the surface area where the antenna is to be mounted is clean and free from dust or grease.
3. Stick the included adhesive pad to the base of the antenna. Peel off the other side of the pad and position the antenna in the desired location, pressing down firmly to permanently attach.
4. Route the cable to the GPS receiver, taking care to avoid locations where it may rub or trap controls.

## SPECIFICATION SHEET

### TA50 –Aircraft Antenna for GPS Receivers

The TA50 is a permanently mounted aircraft antenna, designed for use with GPS receivers such as the Trig TN72. The TA50 is available with a QMA connector for direct connection to the TN72, or with an SMA connector for other applications.

The TA50 is an active (amplified) antenna providing an average of 26 dB gain over a passive (non-amplified) antenna.

The TA50 is supplied for aviation use only.

### Specifications:

Frequency:	1575.42 MHz $\pm$ 3 MHz
Antenna Gain:	>1 dBiC
VSWR:	1.5:1
Filtering:	-20 dB minimum @ $\pm$ 50 MHz
Noise Figure:	1.5 dB maximum
Gain:	26 dB
DC Power Requirement:	3 to 5 VDC
Temperature:	-40° C to +85° C
Cable Length/Connector:	1 metre, QMA – Part No 02171-00 3 metre, QMA – Part No 02172-00 1 metre, SMA – Part No 02364-00 3 metre, SMA – Part No 02365-00