

TN72 X GPS POSITION SOURCE



5 reasons to buy

- Designed for Experimental/amateur-built and Light-Sport Aircraft (LSA)
- ADS-B 2020 airspace rule compliant - Experimental, amateur built and LSA
- ADS-B Out - enhances visibility and safety
- Visible to all ADS-B In devices
- Great value – compact and light weight

The affordable position source for your Trig transponder

Many Light-Sport and experimental pilots want a simple and affordable way to be ADS-B equipped and 2020 compliant. Trig's new TN72 X GPS Position Source is the answer – it meets the FAA's position source requirements of FAR 91.227 for light-sport and experimental aircraft so you can fly in 2020 mandated ADS-B airspace. Using the TN72 X your aircraft's location is shared directly with other ADS-B In equipped aircraft - improving your electronic visibility and flight safety.

Automatic Dependent Surveillance Broadcast (ADS-B) technology is built into every Trig transponder and meets the latest FAA certification TSO-C166b. A Trig TN72 X works in combination with a Trig transponder to provide 2020 ADS-B Out compliance.

Using a TN72 X and Trig transponder will trigger a full ADS-B In traffic service from FAA ground stations. You can fly with confidence as the TN72 X is certified and visible to all ADS-B In equipped aircraft.

Get 2020 ADS-B mandate ready

The TN72 X is a TSO-C199 Class B GPS with extended performance features to meet the requirements of FAR 91.227. When paired with a Trig transponder these extra features provide a 2020 rule compliant ADS-B Out system.

This solution is ideal for experimental/amateur built and light-sport aircraft owners.

TRIG

The TN72 X is a blind unit - it can be fixed away from the panel saving space and causing no disruption to other avionics. The small hardware box weighs only 3.8 ounces, so finding installation space is not a problem, even in the tightest cockpit.

The complete ADS-B Out solution

For your 2020 ADS-B Out solution you will need;

- Transponder - TT22 or TT31 - both certified Class 1 devices and 2020 ADS-B compliant.
- GPS Position Source - TN72 X rule compliant data to the transponder.
- GPS Antenna - TA70 - certified antenna for dependable performance or equivalent GPS antenna.

If you already own a TT22 compact transponder or TT31 stack transponder, then a TN72 X and a TA70 GPS antenna is the logical choice. Depending upon the age of your Trig transponder you may require a software update from your Approved Trig Dealer.

All Trig transponders use 1090ES technology, this enhances safety by making you visible to commercial and military aircraft equipped with TCAS. Our transponders can be used worldwide, this operational flexibility maximizes the re-sale value of your aircraft.

The TA70 – matching WAAS GPS antenna

The TA70 is the companion GPS antenna, recommended for the TN72 X. Light and easy to install, it has a superior gasket seal that offers full coverage of existing antenna holes. This provides a secure and water tight fit. Installing a TA70 is the logical choice for customers looking for a proven ADS-B package. If however, a conventional antenna is not an option, then the TN72 X can be paired with a wide range of suitable alternative GPS antennas, as defined in the TN72 X Installation Manual.

TN72 X supporting your community

Do you fly with friends or attend fly-in events? The TN72 X is great for group flying - with suitable ADS-B In equipment you can see your 'wingman' in real time on a tablet or mobile app. Now you can visibly track flight progress and manage your trip in striking detail.

Support

Trig provides a two year worldwide warranty on all our products through our Approved Trig Dealer network.

How to buy

You can purchase Trig products through our Approved Trig Dealer network in North America. To find your closest dealer visit www.trig-avionics.com

	TN72 X - GPS Receiver
Type	TABS GNSS
Certification	TSO-C199 Class B
Compliance	DO-160G
Supply Voltage (DC)	11 – 33 V
Typical Current Consumption	at 14V – 0.1A
Operating Temperature	-40°C to + 70°C
Cooling Requirement	No fan required
Interface protocol	Extended NMEA
Weight	3.8 ounces
Connector	GPS (power, ground and GPS data) - 9 way D type Antenna - 5V phantom power – QMA male
Unit Dimensions	H 1.2" x L 3.6" x W 2.5" (W with base flange 3.2")



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