

ADS-B REBATE - IMPROVING VFR FLIGHT SAFETY

TRIG - CASA APPROVED ADS-B



The Australian Government ADS-B Rebate Scheme is now in full swing. Aircraft owners can secure up to 50% of funding towards the cost of ADS-B equipment and installation (to a maximum of \$5,000 Australian dollars).

This grant scheme will close by June 2023, so now is the time to plan your ADS-B installation!

All Trig transponders are Mode S and ADS-B Out capable, when combined with a suitable Trig GPS. Trig transponders are certified to TSO C166b, the latest technical standard and approved by CASA for use under the ADS-B Rebate Program. Selecting Trig will enhance your safety and potentially save you considerable expense.

ADS-B MAKING AVIATION SAFER

As a pilot, keeping a good look out every time you fly is vital. In busy skies most pilots will admit to having flown too close to another aircraft, avoiding an incident with just seconds to spare.

The risk of collision between aircraft is real. There have been avoidable fatal accidents where an electronic conspicuity system could have prevented a collision and saved lives. This is why CASA is promoting voluntary adoption of ADS-B Out surveillance technology to make VFR aircraft electronically 'visible' to others.



THE BENEFITS OF TRIG ADS-B

Trig Avionics is established in Australia with a network of Approved Trig Dealers and a dedicated Trig Service Centre for customer support.

Trig offers a panel mount Mode S stack transponder called the TT31 (above). The TT21 is a compact Mode S transponder, both versions are supported by Trig GPS Position Sources, to provide vital ADS-B positional data.

The **ADS-B Conspicuity Bundle** is a 'one box' package that includes the TT21 compact transponder, a TN72 GPS and a TA50 GPS antenna, costing \$3,242 USD list price, excluding tax.

For owners of light-sport, ultralight and homebuilt aircraft, Trig also sells pre-made wiring harnesses and antennas, making installation even easier.

The TT21 is designed to fit in the tightest panel space. With a 130 Watt power output (via an external antenna) your aircraft will be visible at all times. Lower power devices with internal antennas can suffer from masking and blind spots - don't compromise your safety, fit Trig.



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It is possible to purchase all products separately, for example adding a TN72 GPS Position Source to an existing Trig transponder. This combination provides an ADS-B output 'quality indicators' of SIL3 / SDA 2.

This superior ADS-B technology is in fact the world's class leading Transponder and TABS combination - designed to be future proof.

FLARM AND 1090ES ADS-B OUT

Gliders are often equipped with FLARM, to help avoid glider on glider collision.

However, there are benefits for gliders to also consider ADS-B. Whilst FLARM is accomplished at short range detection and alerting of glider-to-glider conflicts, it is not seen by ATC, commercial or most conventional ADS-B traffic systems used in GA.

As genuine conspicuity for GA requires ADS-B Out (1090ES) glider pilots should also consider Trig technology alongside FLARM, the benefits are clear.

	Mode S ADS-B Out (1090 ES)	FLARM
Visible to commercial aircraft	✓	✗
Mode S - visible to military aircraft	✓	✗
Triggers all ADS-B In traffic	✓	✗
High Power	✓	✗
Long Range	✓	✗
Optimised for soaring	✗	✓
Triggers other FLARM units	✗	✓



YOUR TRIG DEALER - HERE TO HELP

Contact your local Approved Trig Dealer. They can provide you with a complete Trig solution using a **TN72** to upgrade to ADS-B Out. The TN72 can be purchased individually at only **\$439** list price (excluding tax).



The TA50 Compact antenna is made for the TN72. Trig can offer a wiring harness for a TT21 transponder and TN72 GPS.

Alternatively, two TSO-C145 GPS units are available, the **TN70** and **TN70A**. A free FAA ADS-B STC for TT22 and TT31 transponders is available. Customers requiring an STC must pair it with the TN70. Please check with your dealer the specific CASA ADS-B regulations as they apply to your aircraft type, operating under voluntary ADS-B in VFR flight conditions.



If you need a software upgrade for your existing Trig transponder this can be accessed from your dealer or the Trig Service Centre.

All Trig products come with a two-year warranty. To find your local Approved Trig Dealer search trig-avionics.com/how-to-buy/

Certified
Safer

TRIG