

I operate an experimental glider, and I want to be ADS-B
Out what do I need to achieve this?

NO

Do you wish to fly in the following airspace; Class B, Class C,
the Gulf of Mexico and above 18,000 feet after 2020?

YES

I will only operate in non ADS-B airspace, but I want to be
visible to other traffic and trigger TIS-B traffic information

I want to operate inside ADS-B airspace, be visible to other
traffic and trigger TIS-B traffic information

You can use a TT21 or TT22 compact transponder and a
TN72 GPS. The transponder GPS setting is TABS (this is SIL 1
protocol)

Use a TT22 class 1 transponder (the TT21 does not meet
the power requirements of FAR 91.227)
Pair the TT22 with a TN72 GPS, in the TT22 set up menu
select 'TN72 SIL 3'

The TN72 is compatible with a variety of antennas,
including uncertified puck antennas popular in gliders.
(check TN72 install manual for specifications)

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including uncertified puck antennas popular in gliders.
(check TN72 install manual for specifications)

As you are not complying with FAR 91.227 air / ground
determination is not required

In ADS-B airspace you must have air/ground determination
in a glider we recommend an airspeed switch

As an owner you can carry out an installation, but you may wish to have a qualified
professional check it over

I operate a certified glider and I want ADS-B Out. What do I need to achieve this?

NO

Do you wish to fly in the following airspace; Class B, Class C, the Gulf of Mexico and above 18,000 feet after 2020?

YES

I will only operate in non ADS-B airspace, but I want to be visible to other traffic and trigger TIS-B traffic information

I want to operate inside ADS-B airspace, meet FAR 91.227, be visible to other traffic and trigger TIS-B traffic information

You can use a TT21 or TT22 compact transponder and a TN72 GPS. The transponder GPS setting will be TABS (this is SIL 1 protocol)

You must use a TT22 class 1 compact transponder and a TN70 TSO C145 GPS. The transponder GPS setting will be SIL 3.

The TN72 is compatible with a variety of antennas, including uncertified puck antennas popular in gliders. (check TN72 install manual for specifications)

The TN70 ships with a TA70 this is a TSO-C190 antenna and is 2020 compliant.

As you are not complying with FAR 91.227 air / ground determination is not required

In ADS-B airspace you must have air/ground determination in a glider we recommend an airspeed switch

Installation using a Minor Alteration for the transponder and TN72 TABS GPS via a log book entry

In order to comply with FAA Notice N8900.362 you will need to use Trig's TT22 STC and seek an FAA Field Approval