

Portable 1090MHz ADS-B Transmitter Board ADSBPGA  
for GA and UAV

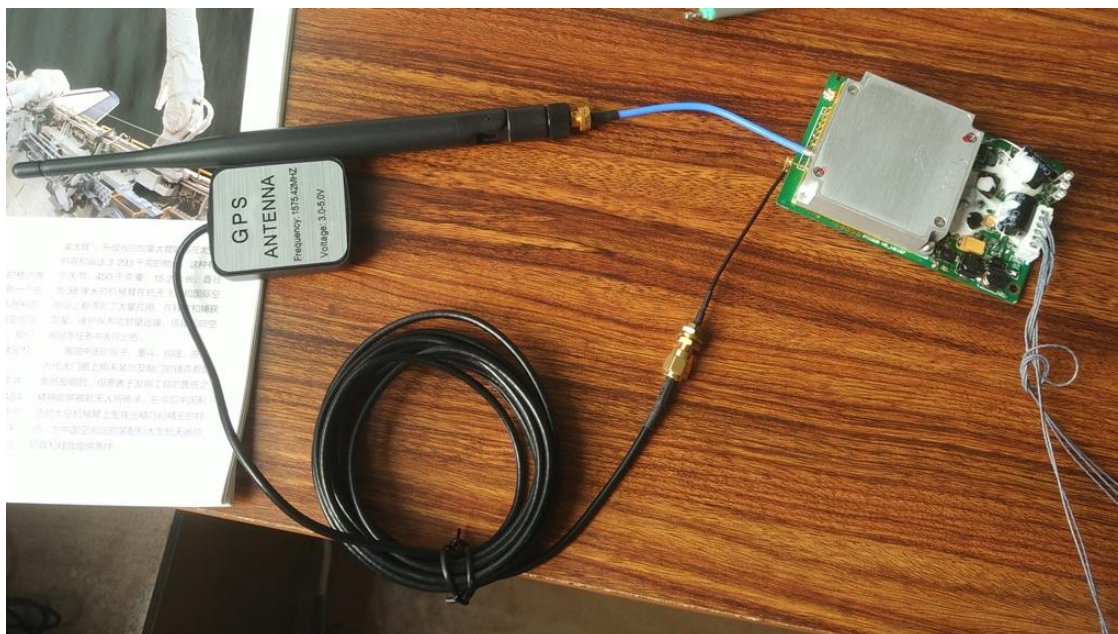
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## 1. Introduction

More and more General Aviation (GA) aircrafts and Unmanned Aerial Vehicles (UAVs) require ADS-B OUT function. But most ADS-B transmitters or ADS-B transponders on market require complicated configurations and even certification procedures, because you need to INSTALL them on aircrafts. ADSBPGA is a portable 1090MHz ADS-B transmitter, so doesn't need any installation, hence doesn't need certification. ADSBPGA transmits your aircraft position, altitude, course, and speed on 1090MHz ADS-B, enhancing your ability to "Be Seen".

ADSBPGA includes a GPS, providing accurate and high integrity position data. ADSBPGA doesn't have a shelf, to lower down weight, so UAVs can easily carry ADSBPGA, especially for payload sensitive UAVs. ADSBPGA can work independently without any other accessories.



## 2. Specification

- Transmit frequency: 1090MHz
- Comply with DO-260B
- Transmitter power: 50W
- Transmitter message format: DF17
- Input voltage: 8V - 18V
- Current: 200mA
- Antenna connector: SMA
- Size: 90 \* 56 \* 20 mm

- Weight: 120g
- Working temperature: -10°C ~ +50°C
- Storage temperature: -55°C ~ +70°C

### 3. Operation

There're two antenna connectors to connect with ADS-B antenna and GPS antenna. Power on and the transmitter can work. Very easy to operate.

There're several indicator lights.

White light: Indicate power supply status. When the white light is on, it confirms that the ADSBPGA is power on and is operational.

Green light: Indicate GPS status. When the green light is flashing, it indicates GPS is not positioned. When the green light is steady on, it indicates GPS is operational.

Blue light: Indicate ADS-B signal emission status. When the green light is steady on and blue light is flashing, it indicates ADS-B signal is being emitted.

### 4. Box contains

- ADS-B transmitter
- ADS-B antenna
- GPS antenna
- Power line

### 5. Customization

We're able to do customization for you. Please don't hesitate to contact us and provide your specific requirement. We're happy to hear from you.