Overview

SkyEcho is a portable ADS-B IN/OUT transceiver approved by the UK CAA and Australia's CASA as an Electronic Conspicuity Device (ECD). SkyEcho transmits your aircraft position, altitude, course, and speed on 1090MHz ADS-B, enhancing your ability to 'See, BE SEEN, and Avoid' other aircraft. Configurable as a transmitter or receiver only, SkyEcho transmits 1090ES ADS-B where transmitting electronic conspicuity devices are allowed (UK and Australia), while receiving 1090ES ADS-B, 978MHz ADS-B (where available), or FLARM® (in Europe). SkyEcho exceeds the minimum capability required for a UK CAA CAP 1391 ECD and Australia's CASA 20:18 EC device.

SkyEcho includes a TSO certified GPS and barometric altimeter, providing accurate and high integrity position data to you, as well as surrounding traffic and Air Traffic Control.

SkyEcho is also able to receive Weather, Flight Information Services (FIS) and Traffic Information Services (TIS) over 978MHz UAT where available.

Features

- Reports surrounding aircraft positions in real time to your Electronic Flight Bag (EFB) application
- Transmits ADS-B on 1090MHz and meets MOPS DO-260B Class A0 25W output power
- Integrated TSO Certified uAvionix FYX SIL 1 GPS
- Integrated Barometer for Pressure Altitude
- GDL90 traffic reports over Wi-Fi
- FLARM Compatible in Europe when paired with a compatible EFB application.

Accessories

- Window RAM Mount
- Soft Case
- USB-C Charging Cable

Regulatory

- Approved CAP 1391 Intermediate ECD
- Approved under CASA 20:18 with CASA statement of compliance for EC device

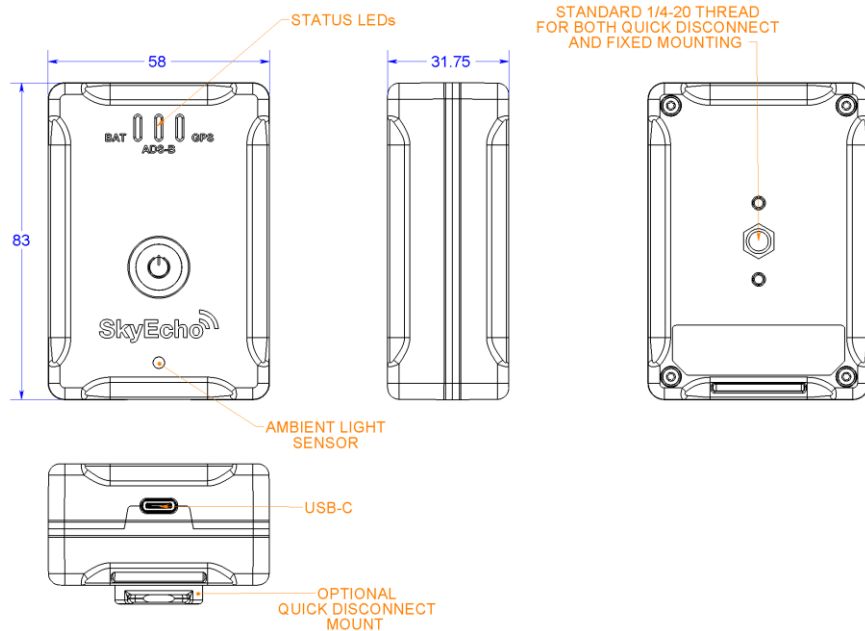| Specification	Value
Operating Time	12 hours
Size	57x82x30mm
Weight	200 grams
Source Integrity Level (SIL)	1
System Design Assurance (SDA) (configurable for UK or Australia)	0 iaw current UK CAP1391 1 iaw CASA CAO 20:18
Operating Temp	-45 to 70°C
Transmitter	
Frequency	1090MHz ±1MHz
Transmit Power	20W Nominal
Spectral Perf.	DO-260B DF-18
Receiver	
1090 Performance	-93 to 0dBm
978 Performance	-103 to 0dBm
WAAS GPS	
Augmentation	SBAS
Sensitivity	-167dBm
Altimeter	
Range	-1000 to 60,000ft
Interfaces	
Wi-Fi GDL 90 4 simultaneous connections	
802.11 b/g/n 2.4GHz	
USB-C	

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Compatibility

SkyEcho is compatible with your favorite Electronic Flight Bag (EFB) application which accepts the GDL-90 standard protocol. This includes ForeFlight Mobile, SkyDemon, EasyVFR, AirMate, OzRunways, AvPlan EFBs, and many others. FLARM® reception requires a FLARM® capability to be provided by the EFB application. FLARM® is currently only compatible in Europe with ForeFlight Mobile, SkyDemon, EasyVFR, and AirMate EFB applications.

Accessories

The full SkyEcho kit is inclusive of a RAM® suction cup mount, soft case, and USB-C charging cable.

Mechanical Specification

STATUS LEDs

STANDARD 1/4-20 THREAD FOR BOTH QUICK DISCONNECT AND FIXED MOUNTING

58

31.75

83

BAT ADS-B GPS

AMBIENT LIGHT SENSOR

USB-C

OPTIONAL QUICK DISCONNECT MOUNT

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