

L.A.S.T. L.P.S.T.

**Lightweight Aviation SSR
Transponder**

Low Power SSR Transponder

The Kinetic Avionic Products Limited **L.A.S.T.** is a lightweight, battery/aircraft powered Level 2 Mode A/C/S transponder with ADS-B designed in accordance with the ED-102, ED-73B and ED-115 standards. A low power version (**L.P.S.T.**) is available.

Combining state-of-the art electronics and new technological advances has enabled Kinetic Avionic Products Limited to produce the lightweight and versatile **L.A.S.T.**



Kinetic L.A.S.T.

In addition to replying to Mode A/C/S interrogations, the Kinetic **L.A.S.T.** is also equipped to transmit ADS-B extended squitter, including position reports from its integrated GPS receiver.

The unit is light enough to be body-wearable by Microlight, Glider and Balloon Pilots. Size, weight and costs have been kept to a minimum without compromising on quality or performance.

Several power options are available, including 30W, 70W and 100W.

Military versions are also available.

Kinetic L.A.S.T. Features

- Lightweight Mode A/C/S Level 2 Transponder with ADS-B
- Complies with proposed European mandate for Elementary Surveillance
- Built-in GPS receiver provides ADS-B position reports
- Low power consumption
- Low transmitter power version (**L.P.S.T.**) designed for use in small aircraft
- Easy in-flight operational use
- Small enough to be body-wearable
- Can be battery or aircraft powered
- Unambiguous aircraft identification using ICAO 24-bit address
- Cost-effective for the general aviation market
- Portable between airframes
- Minimal installation and maintenance requirements
- Ideal for gliders, microlights and other aircraft
- Heavy-duty design for extreme weather conditions
- Built in altitude sensor
- Vertical speed indication (VSI)
- Air/ground switch input
- Rapid push-button selection of Mode A / 4096 codes (Squawk)
- VFR button for one-press selection of conspicuity code (e.g. 7000)
- Straightforward entry of 8-character Flight ID
- Large, clear LCD display with backlight showing:
 - Selected Mode A / 4096 code
 - Ident indication
 - Ground indication
 - On / Alt / Standby indication
 - Flight ID or Tail Code
 - Altitude (pressure altitude/ flight level)
 - Aircraft position (latitude / longitude)
 - Vertical speed
 - Time in UTC
 - Flight time
 - GPS status
- Extended squitter (ADS-B) air and surface position, velocity and ID reports
- Reply and squitter indicator LED's
- Low battery warning
- Built in monitoring and alerts on transmit power, antenna and squitter rate.



LAST/Spec/206

Innovative products for the avionics community

To discover more:

www.kinetic-avionics.co.uk

L.A.S.T. Lightweight Aviation SSR Transponder

Uses and applications

Area of use

- General Aviation
- Airports
- Flying Schools
- Research/Military/Government

Example uses

- Lightweight Mode-S/ADS-B transponder for small aircraft, gliders, microlights and balloons.
- Vehicle tracking and ground movement monitoring
- Monitoring of training if used in conjunction with KAPL **SBS-1™**, **SBS-2™** or **SBS-2M™**
- Unmanned Aerial Vehicles • Test flight monitoring and analysis



About Kinetic Avionic Products Limited

Kinetic Avionic Products Limited specialises in the design, development and deployment of innovative products for the avionics and aviation community. Umbrellaed as part of an ISO 9001-2000 company group with a global customer base our engineers have designed, developed and deployed state of the art avionics within the UK and overseas territories.

The use of state-of-the-art technology allows KAPL to produce compact, advanced and highly reliable industry compliant solutions. Embracing the latest technological advances is a key part of our ethos. Our specialised team of engineers, programmers and technicians work together to innovate pioneering and cost effective products.

KAPL are designers and manufacturers of the **SBS-1™** Real-time Virtual Radar, **SBS-2™** Professional Mode-S/ADS-B Receiving Station, **SBS-2M™** Mode-S/ADS-B Receiving Station with Multilateration and the Lightweight Aviation SSR Transponder (**L.A.S.T./L.P.S.T.**)

E&OE. Specifications may change from time to time.

Kinetic House • 44 Hatton Garden • London • EC1N 8ER T: +44 (0)20 7404 1941 F: +44 (0)20 7404 1916

W: www.kinetic-avionics.co.uk • E: info@kinetic-avionics.co.uk

Innovative products for the avionics community

