

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.

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



MLS martin lynch & sons
Suppliers of Communications Equipment

Martin Lynch & Sons Ltd
Outline House, 73 Guildford Street, Chertsey, Surrey, KT16 9AS

UK
Tel: +44 (0) 845 2300 599
Fax: +44 (0) 845 2300 339
Outside UK
Tel: 0044 1932 567 333
Fax: 0044 1932 567 222