

SBS-I™

Real-Time Virtual Radar

The **SBS-I™** is an affordable and lightweight Mode S/ADS-B receiver that decodes transponder signals from aircraft. Using the **Basestation** application the **SBS-I™** displays this information on a **VIRTUAL RADAR SCREEN** enabling **REAL-TIME** aircraft tracking on your PC.

Combining state-of-the art electronics and new technological advances has enabled Kinetic Avionics Products Limited to produce the revolutionary **SBS-I™**.

Advanced Functionality

For the first time aircraft enthusiasts worldwide are able to directly monitor the skies in an unprecedented fashion. Additionally, the **SBS-I™** provides small and medium sized airfields with many of the safety and operational benefits previously only available to large international airports – at a fraction of current radar costs. Coupled with a Mode-S/ADS-B transponder the **SBS-I™** becomes an invaluable tool in flight training operations.

Hardware Interfaces

The receiver apparatus connects to your PC via USB 1.1 or 2.0. Ethernet / 802.11b wireless with USB versions are also available. An external magnetic mount antenna and external low voltage power supply are provided. The **SBS-I™** is designed for portable use and can be powered directly from a suitable laptop PC via the USB port without the requirement for an external power supply. Additional tuned antennas, mounts and extension cables are available.

Software Interfaces

The **SBS-I™** ships with the **SBS-I™ Basestation** application providing an on-screen virtual radar display. This powerful application provides functionality including the identification of aircraft by callsign, altitude, speed and other parameters where such information is transmitted. **SBS-I™ Basestation** provides the ability to assign notes with history to each aircraft as well as image data. The note files are stored in a standard XML format to facilitate easy information interchange with colleagues and friends.

MapMode-S

MapMode-S is a unique sharing network to which the **SBS-I™** can be connected in order to contribute data. The received data is then consolidated and distributed back to connected users as a broadband data stream. MapMode-S users are then able to view data from the whole community of connected users.

MapMode-S is a separate subscription service. An introductory free of fees service will be offered to all users registering their units at our online website. **Registration automatically enters users into our free monthly competition to win a round London helicopter flight for two.**



To discover more:
www.kinetic-avionics.co.uk



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SBS-I™ Receive, process and display Mode S/ADS-B Transmissions

Main Features

- Track Mode-S/ADS-B equipped aircraft in Real-Time*
- An invaluable tool for aircraft enthusiasts
- Enhances operational efficiency at airfields
- Easy to install, portable and lightweight
- Real-Time aircraft position and identity data
- Connect to laptop/desktop PC via USB or Ethernet
- Powerful **SBS-I™** Basestation software included
- Package includes all necessary components to connect to your PC

*The Civil Aviation Authority (CAA) requires aircraft to be Mode S equipped for flights operating as General Air Traffic (GAT) in designated UK airspace from March 2005 and for all categories of flights in all other airspace from March 2008.

Application Areas

Area of use

Example uses

- Airfield Safety Circuit management • ATZ management
- Flying Schools Cross-country navigation management • Circuit evaluation • Traffic pattern management
- Environmental Support Airspace infringement • Out-of-hours movements
- Enthusiasts Aircraft detection • Aircraft monitoring
- Educational Support of ATC education and training



Technical Specifications

Receiver Box

- Frequency 1090MHz
- Sensitivity -90dBm at rear connector (greater than 250 miles effective range achieved with supplied antenna).
- Antenna connector 50Ω (50 Ohm) BNC (Standard antenna included)

General

- Interface Ethernet and USB supported
- Power Supply Requires 5V @ 350mA from external power adaptor (included) or stand alone power from USB port
- Status Indication Signal strength, USB detect and operational indicators

Software

- System PC based architecture
- OS Microsoft Windows (USB support required for USB operation)
- Requirements CD-ROM Drive • USB Port • Super VGA or higher resolution monitor
• Ethernet / 802.11b required for Ethernet / 802.11b version

Dimensions/Weight

- Receiver Box 150mm wide • 200mm deep • 50mm high
- Antenna 150mm high
- Weight 415g



E&OE. Specifications may change from time to time

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