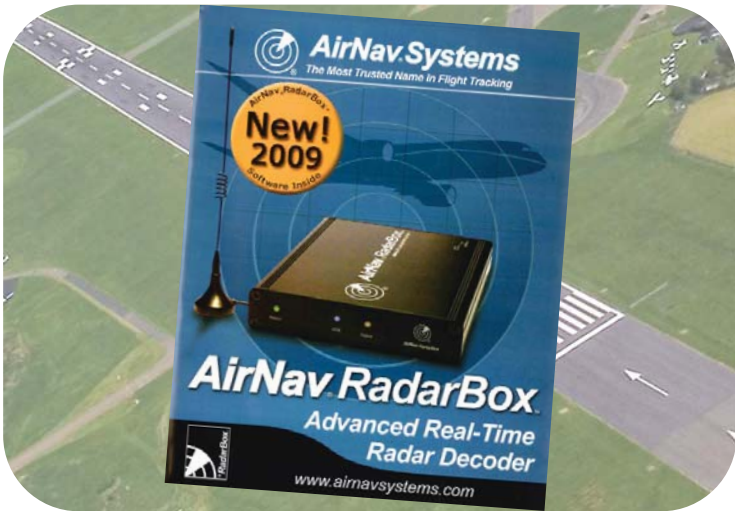


Why RadarBox?

it's better!



Your Passport To The World Of Virtual Radar



RadarBox is unique in many ways, and provides a virtual radar display on your PC. It is the world's leading portable virtual radar system, now in use by professionals and hobbyists around the world. It uses the 1.09GHz ADS-B data network to provide a virtual aircraft radar display on a home or portable PC. RadarBox uses advanced radio technology and a highly sensitive radio receiver to give you an interference free picture of the amazing world of commercial air travel anywhere in the world.

RadarBox provides live radar data tags of aircraft positions and movements centred on your location. You choose your location and centre it on a very detailed map. Then, with the aid of a zoom button, you can decide what radius of air space you want to monitor. You can also be selective and concentrate on certain airlines or aircraft types, or make the selection criteria based on destinations or origins. All this is made possible by RadarBox's extremely comprehensive programmable filter system. In a similar manner you can change the display map details from a very simple layout with just a few points of detail, to a comprehensive layout with all airfields, airports and navigational aids shown. As if that is not enough, you can choose from a library of NASA map overlays that give even more geographical information. And the aircraft you are monitoring have not been ignored either. You get a built-in picture library database that automatically displays a real photograph of the aircraft type when you click on any aircraft's data tag.

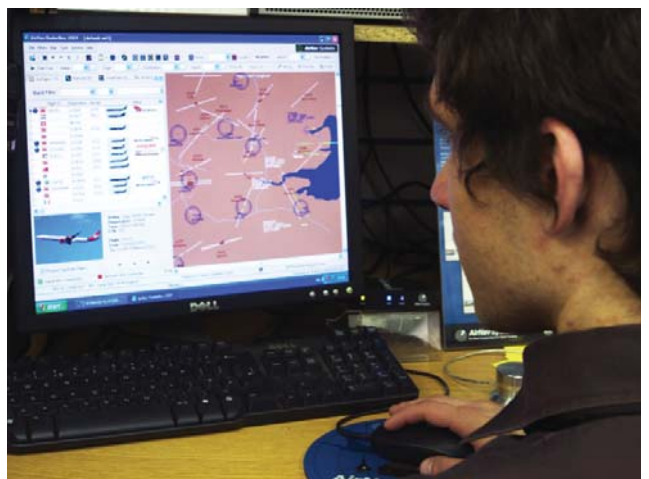
RadarBox is manufactured by AirNav Systems USA.

What's in The Box?

The RadarBox package offers you everything you need to monitor aircraft on your PC - other than the PC itself.

The AirNav software is the heart of the virtual radar setup. It offers unprecedented data detail on a superb graphics mapping base that is easy on the eye and razor sharp. The software not only integrates seamlessly with the live data stream, it also acts as a gateway to aircraft movements around the world achieved by its exclusive feature of data sharing with others. Data sharing is totally automatic and needs no setting up or complex installation. In fact, one of the reasons why RadarBox has become so popular, is its simplicity and stability. It really is a "plug-n-play" product. There are no third party programs needed, everything is in the box!

The extremely sensitive receiver included in the package has unbeatable performance and comes with a portable aerial that has a magnetic base, making it very easy to mount on a car for portable work. The receiver requires no tuning, everything is automatic and the whole system is powered from the PC's USB port, so no need for any external power supply.



Make The Comparison

Simple BUT Professional

RadarBox was designed by professional pilots who understood what was needed to provide a comprehensive virtual radar system that adopted industry standard features. They wanted a system that could form the basis for a commercial package, yet also come within the price bracket of private pilots, flying clubs and enthusiasts.

It was evident from other products, that users wanted everything to operate inside the software, seamlessly and reliably. They did not want to have to extensively configure the software and download or purchase add-on units to achieve their ideal system. Nor did they want the uncertainty of having to rely on third-party products for proper operation.

AirNav Systems have changed all that. Everything is inside one piece of software and this feeds the most advanced receiver interface on the market. Welcome to RadarBox!

No add-on programmes required

- Detailed worldwide map coverage
- Extensive internal database containing thousands of aircraft, airfields, routes, navigational beacons and fixes.
- Company logos
- Aircraft silhouettes
- Country flags

Quick and easy installation

- The RadarBox software comes on a CD
- No special computer skills required to install
- No complicated add-on's to install
- Plug and Play - up & running in minutes
- RadarBox receiver is self-powered via the supplied USB PC lead
- Comprehensive Help file & PDF manual
- On-line video help on the AirNav Website
- On-line user Forum

See local aircraft in real-time

- Detect to a maximum range of 250 n. miles
- Displayed live on the detailed map
- Full details in the MyFlights aircraft list
- No subscription required to track live data

RadarBox Internet data sharing

- Share your live aircraft data in RB network
- See aircraft that ALL others are viewing
- Aircraft networked worldwide
- Separate live & network flight lists
- Network flights can be symbol tagged

You can change the colours of the mapping system to suit your needs and to match the ambient lighting. You can change the text colour and the various labels. That is one of the beauties of RadarBox, everything you need is built-in. No extra add-on's are needed!



Some FAQs

Why the 5 min. Internet delay?

For security reasons, network data is delayed by 5 minutes. This is an internationally recognised standard and reflects a responsible approach to data sharing by AirNav Systems, ONLY RadarBox has the data sharing network function provided as part of the software. Network access is free for the first 12 months. Thereafter access costs only 5 Euros per month. If you choose not to subscribe to the Network after your free 12 months, all functions of RadarBox continue to work as normal, with the exception that you cannot see data shared by other users on the Network. The choice is yours and your investment is safe.

What PC do I need?

Any modern PC that is capable of running Windows XP or VISTA should be just fine. It will run just as happily on a laptop as a desktop. You will need a USB-2 port, but that is about it. The software comes on a CD-Rom, so you will need a CD drive to load the software.

What is the "Radar" range?

The main determining factor is the height of the aircraft and the efficiency of your antenna. A window mounted antenna will work OK, but will favour the window direction. The better option is to place the antenna outside and as much in the clear as possible. AirNav Systems offer a couple of alternative antennas to the one provided. These offer additional gain and are intended for outside use. Given these variables, the range is typically 50 miles to 250 miles. This of course is dramatically reduced for aircraft on the runway or just a few hundred feet up. In such cases

jump in your car with a laptop and enjoy the fun of seeing the aircraft lift off or land, and watching their progress.

Viewing the Data

Multiple Filters to show what you want

- Quick Filters available on the MyFlight and Network aircraft lists
- Quick Filter available on the MyLog aircraft logging list
- Fleet Watch SmartView function to watch specific fleets, registrations and flights or choose to only display Fleet Watch aircraft on the map
- All live aircraft are recorded in MyLog
- Quick Filter allows viewing in MyLog
- Aircraft ID can be viewed in MyLog
- MyLog export to csv file
- Option to delete old data by date
- MyLog Reporter function to generate log files for export

RECORDING DATA

With RadarBox you can make live recordings of aircraft movements seen on your screen. These are then available for playback or for storing and viewing later.



The picture shows the RadarBox portable data receiver.

Total Integration

RadarBox gives you superb graphics. Pin sharp and high contrast images that make reading the display so easy. And RadarBox is so easy to configure to give you just the display you want. A typical display is shown to the right. Here we have chosen a dark screen to contrast the colour display of the individual aircraft. Logging data is to the left. This is pure integration - no additional software needed, it's all on the disc.

A Pilot's "View"

I have been flying fixed wing and helicopters for around 30 years, including some flying with the RAF. You get used to looking at screens and reading data, and my first experience with virtual radar on a PC was the SBS system. It was interesting to keep tabs with the local traffic, but I am not a computer buff and found it somewhat inconvenient to have to configure the programme and rely on third party software to get what I wanted. Then, more recently, I came across the new AirNav Systems RadarBox. What a difference! It was a big leap ahead of the SBS system. It worked straight out of the box and everything I needed and ever wished for was right there inside the program. The graphics are great and I can imagine some isolated airfields around the world finding it useful to keep track of what is flying in their area. My SBS is now confined to the attic. It was a great introduction, but frankly, RadarBox has run rings around it.

R. MacLachlan

How Does It Work?

- Connect the AirNav RadarBox to your computer using the USB cable provided
- Install the software from the CD
- Start Tracking flights in real-time!
- Visit RadarBox Forum

Requirements

Microsoft Windows, any version.
 Internet Connection for Network feature

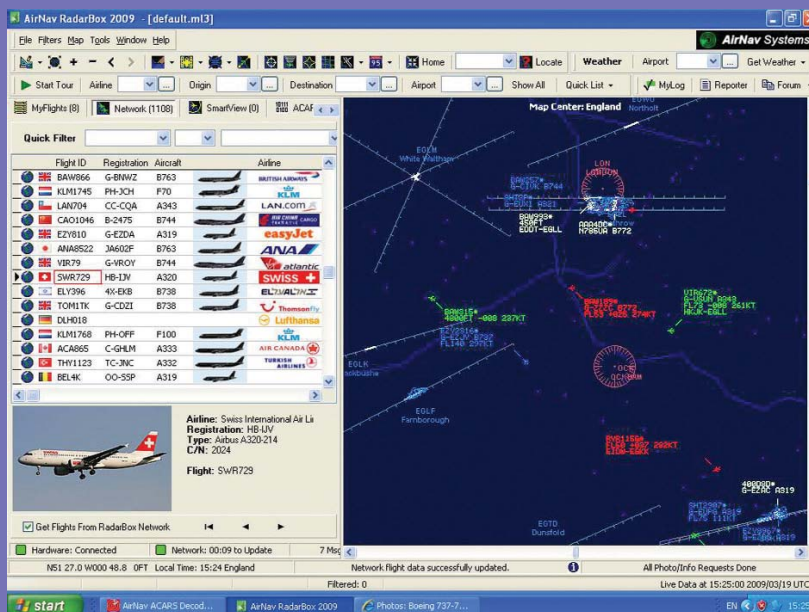
Networking

RadarBox Network is the first worldwide flight radar flight data ever developed. You are experimenting new technology never used before. Check Real-Time Network Locations

Accurate Extensive Data Included

The Aircraft Database is powered by the Gatwick Aviation Society. Navigation information comes from Navigraph.

Get to See The Best Picture in Town!



"RadarBox just gets better! It's the only program to have a photo database that automatically pops up for each aircraft. The maps are also the most detailed available - to me there is nothing else like it"

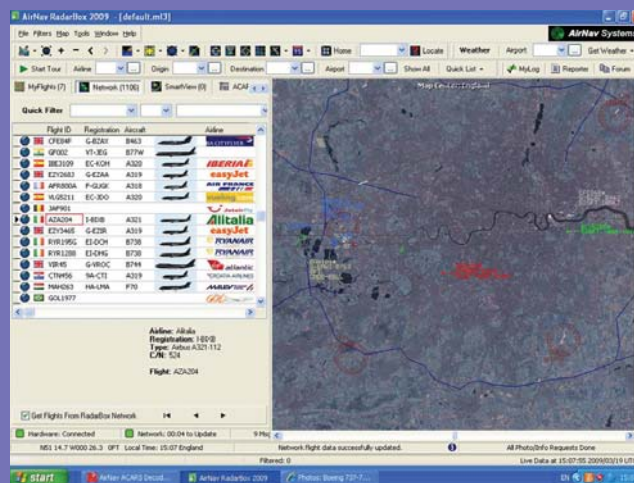
Graham S.

The New NASA Map Overlay - Exclusive To AirNav Systems

Always Updating

Nothing stays still at AirNav Systems. We are always updating our software and our service. Just click onto www.airnavsystems.com to get the latest news.

It pays to stay in touch and the updates cost you nothing. Buying into AirNav Systems RadarBox package is an investment. The Company is run by current and ex-pilots. They know a thing or two about radar and navigation and how best to bring it to the masses simply and logically.



The Most Sensitive Receiver?

A key feature of being able to receive the most comprehensive and accurate display is very much dependent upon the performance of the associated 1090MHz receiver. One manufacturer tried to promote theirs as the most sensitive, by counting the number of aircraft on their screen. Totally unscientific and pretty meaningless on it's own. The only true way is to measure the receiver in the laboratory, which is exactly what we did at our facility in the USA. And surprise surprise, nothing beats the receiver supplied with RadarBox!

NASA Map Overlays

One of the key features in any virtual radar tracking system is to be able to precisely see the location of an aircraft in relation to the ground geography. AirNav Systems adopts the most comprehensive system of mapping available today and this has recently been augmented by the inclusion of NASA map overlays. These cover large segments of some of the busiest aviation areas and give an even greater indication of an aircraft's position.

Simply The Best

Fact & Fiction!

RadarBox is ultra reliable and the likelihood of having to return it for service is extremely unlikely. The receiver section has the most sensitive receiver on the ADS-B market, having been designed by top RF engineers. It will receive all ADS-B equipped aircraft, including commercial, GA and military. The software is extremely robust, and unlike its competitor, it is totally self-contained, requiring no third party software, or complicated programming. It is also the only product that offers worldwide data sharing. This means you can track aircraft all over the world.

Closest To The Real Thing

AirNav Radar Box is the closest you can be to real world aviation without leaving your chair thanks to next generation Radar decoding. The AirNav RadarBox is equipped to be used in any location across the whole of the world, having 3D multi-window maps with worldwide coverage, more than 200,000 Geographic points included and airports, runways, VOR, NDB, FIX, cities, roads, airways and elevation data.

Superior User Interface

The superior interface is based on years of development. You can filter or sort data, show flight details. It is updated each time new flight information arrives. Included fields: Last Changed and Tracked, Status, Mode S, Flag, Flight ID, Registration, Aircraft, Airline Name and Logo, Altitude, Groundspeed, Heading, Vertical Rate, Route, Flying over and Geographic Coordinates.

Filter What You See

You can filter any flight by airline, origin and destination. Advanced filters enable you to track by altitude, range and aircraft type. You can even choose to track only wide bodies. The filters toolbar is where filters can easily be set.

200,000 GIS Database

The application comes with worldwide airport, VOR, NDB, FIX updated database. Elevations, ATC Boundaries, Cities and other items also included. Total of more than 200,000 objects included.

Alerts - Receive An Email!

On the alerts tab you can setup the application to send you an email, notification or play a sound whenever a specific aircraft or flight is received or is in range.

Weather, Labels & Outline Import

Flight labels will never be overlapped and you can open as many windows as you want. You can easily track arrivals into Heathrow on one Window and into Tokyo

on another. Import Outline files from the internet. You can also obtain real-time METAR/TAF reports.

Advanced Filters

Advanced filter settings let you choose what flights to see by altitude, range and aircraft type.

ADS-B What Is It and What Aircraft Will I See?

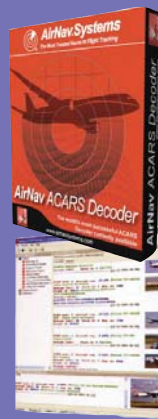
Automatic Dependent Surveillance Broadcast (ADS-B) is a cooperative surveillance technique for air traffic control and related applications. An ADS-B equipped aircraft determines its own position using a global navigation satellite system and periodically broadcasts its position and other relevant information, to potential ground stations and other ADS-B equipped aircraft. ADS-B can be used over several different data link technologies, including Mode-S.

ADS-B provides accurate information and frequent updates other airspace users and

controllers, thus supporting improved use of airspace, reduces ceiling/visibility restrictions, improves surface surveillance, and enhances general safety - for example through conflict management. With ADS-B, an aircraft periodically broadcasts its own state vector and other identifying and flying condition information. ADS-B is automatic in the sense that no pilot or controller action is required for the information to be transmitted. In essence, it is a data broadcast for use by others, such as controllers and other aircraft in the vicinity. It is much more accurate than a basic radar service. At present, most commercial aircraft are fitted with the system and some military transport aircraft. Eventually it is anticipated that light aircraft will also be required to carry the system. A competitive product once claimed that only theirs would receive certain types of aircraft. That is a fallacy. RadarBox can, and does, receive all types of aircraft carrying ADS-B.



ACARS Decoding & Network Software



The latest product from AirNav Systems is the **ACARS Decoding Package**. This enables you to decode and display ACARS VHF data on your PC. You can use it as a stand-alone program or integrate it with your RadarBox program. Data can be obtained live using the included lead connected to an airband radio, or enjoy world wide data decoding via the AirNav Systems Internet data connection.

Features:

- Real-time ACARS Decoding
- Real-time flight information
- Inc. registration, type, company etc.
- Live text log with aircraft pictures
- User friendly interface
- Connects to Internet ACARS service to receive messages without an airband receiver
- Automatic accurate aircraft data download
- Possibility of using Wacars.wdf & aircraft.wsf files
- "Flight Watch" feature
- Statistics in realtime
- Editable aircraft database
- Compatible with AirNav Suite & AirNav RadarBox.

Accessories for RadarBox

A complete external antenna system that will provide a dramatic improvement in receiving range. It includes antenna, mast-head pre-amplifier and all cable necessary. You will require a 12v DC source at around 500mA available from your dealer.

Radar Com 10: Comprises;

- Radar Extender antenna • 1m low loss coax pigtail
- Mast-head pre-amp AS-1090 • 10m of low loss Westflex coax cable
- 1m cable adaptor BNC to SMA

Radar Com 20: As above, but with 20m of Westflex coax instead.



AirNav Systems products operate from both live and Internet data sources. The Internet data source is **FREE** for an initial period, and then chargeable for a small annual fee thereafter. The live connections are not chargeable and may be used for the life of the product. Current charges can be obtained from www.airnavsystems.com

RadarBox is distributed worldwide by Waters & Stanton PLC, 22 Main Rd., Hockley, Essex, SS5 4QS. UK.

It is available direct or from all good flight shops and other dealers. For a full list of dealers check:

www.airnavsystems.com. For direct supplies and to apply for a dealership contact **Waters & Stanton PLC**

Email sales@wsplc.com Phone +44 (0) 1702 203353 Fax +44 (0) 1702 205843

www.wsplc.com