uAvionix

pingUSB

specifications

Input Voltage/Current	5V / 100mA
Size	34 x 19 x 8mm
Weight	5 grams
MTL 1090MHz Dynamic Range	-84 dBm -81 to 0 dBm
MTL 978MHz Dynamic Range	-93 dBm -90 to -3 dBm
Supported Interfaces	USB Serial 57600 bps

safety

- The Ping Receiver adds an additional layer of situational awareness to aircraft operations in the airspace. Accordingly, users must remain vigilant of surrounding air traffic at all times during flight to ensure safe operation.

- Never operate the software or device in a way that could be dangerous to you, other people or property.

- It is your responsibility to ensure that you understand and comply with all local laws and regulations.

The uAvionix PingUSB ADS-B Receiver provides ADS-B tracking data for use with software such as Virtual Radar Server and services including ADS-B Exchange. It allows tracking of aircraft on both 1090 MHz and 978 MHz.
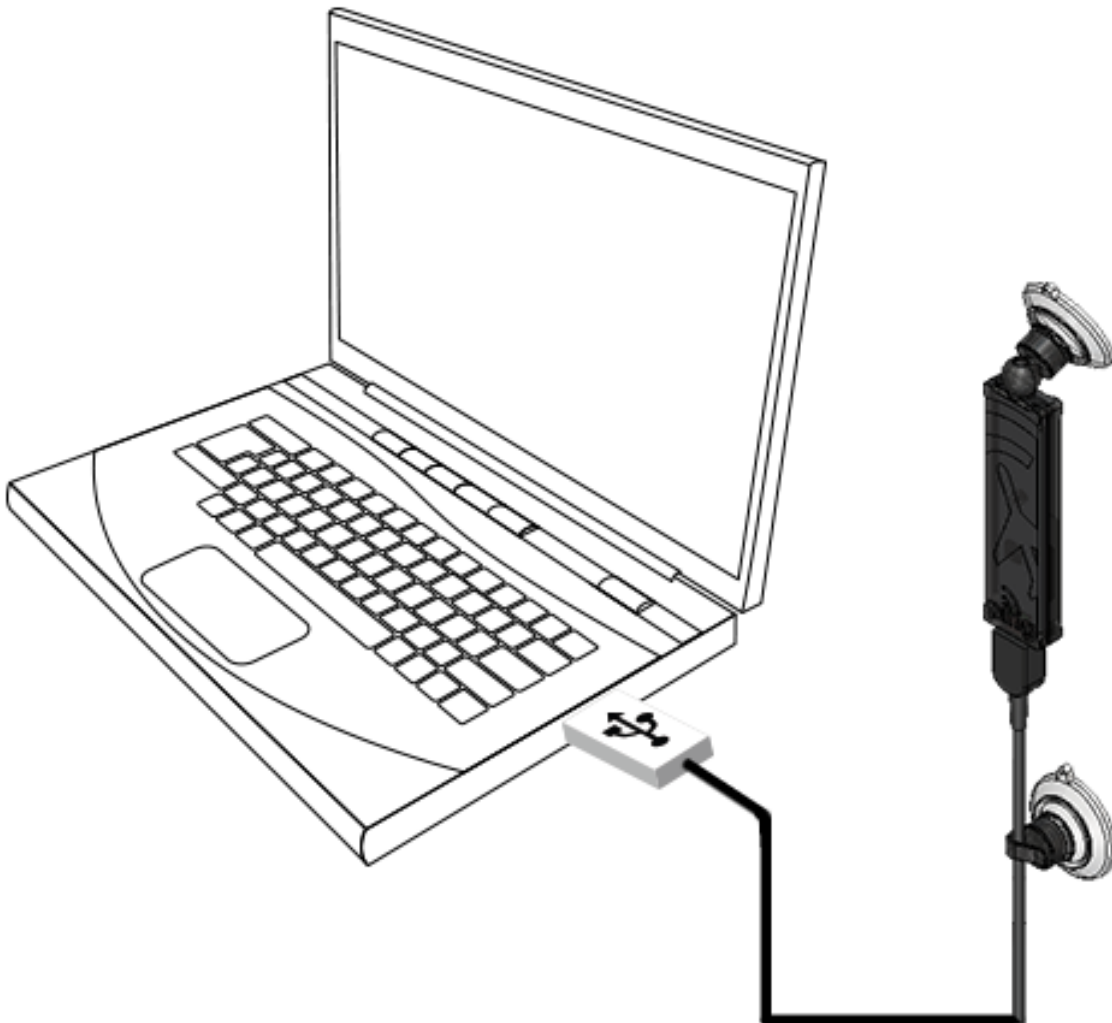
1. connect

3. launch

2. load

4. track

Connect Ping to your Windows PC with a USB Micro-B to USB-A cable.
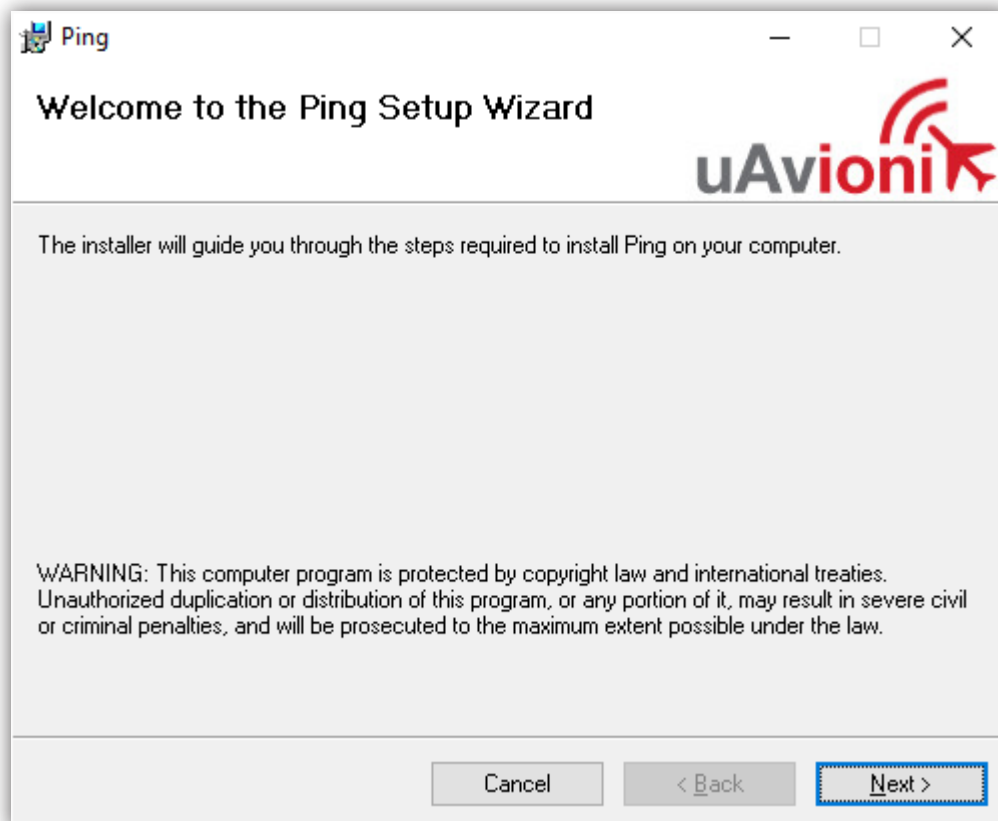
Download PingUSB Installer (Windows)

http://www.uavionix.com/products/pingusb/

Download Virtual Radar Server (Windows)

http://www.virtualradarserver.co.uk/Download.aspx

install

- Unzip the PingUSB Installer. Run PingSetup.msi and follow the on-screen setup instructions.

Ping — □ ×

Welcome to the Ping Setup Wizard

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The installer will guide you through the steps required to install Ping on your computer.

WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.

Cancel | < Back | Next >

load software

install

- Install Virtual Radar Server

- Run Virtual Radar Server
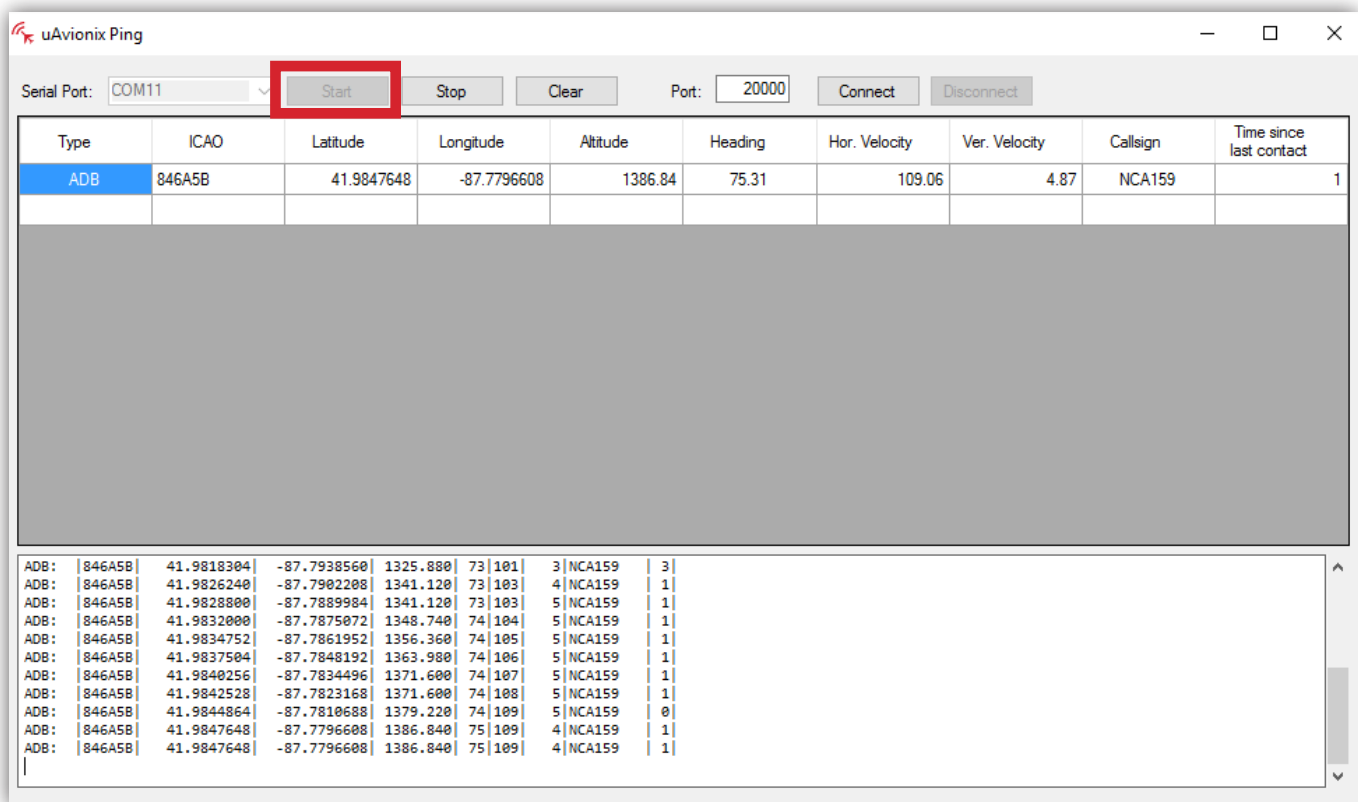
  - Select "Tools -> Options" and add a Receiver with the following options

Ensure the PingUSB device is connected to a USB port, and run the Ping application. Select the appropriate Serial Port from the dropdown menu. Once selected, press "Start".
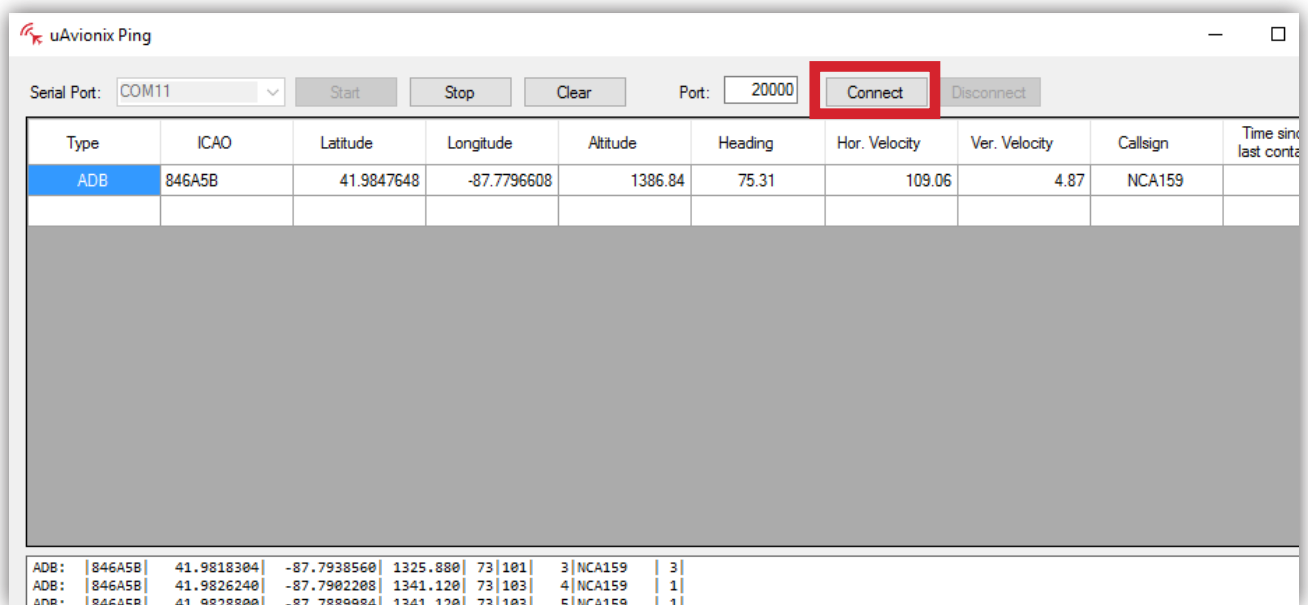

Notes:

- If the port number is unknown, you can verify the correct port using Windows Device Manager. Ping USB will appear as a "USB Serial Port" under "Ports (COM & LPT)".

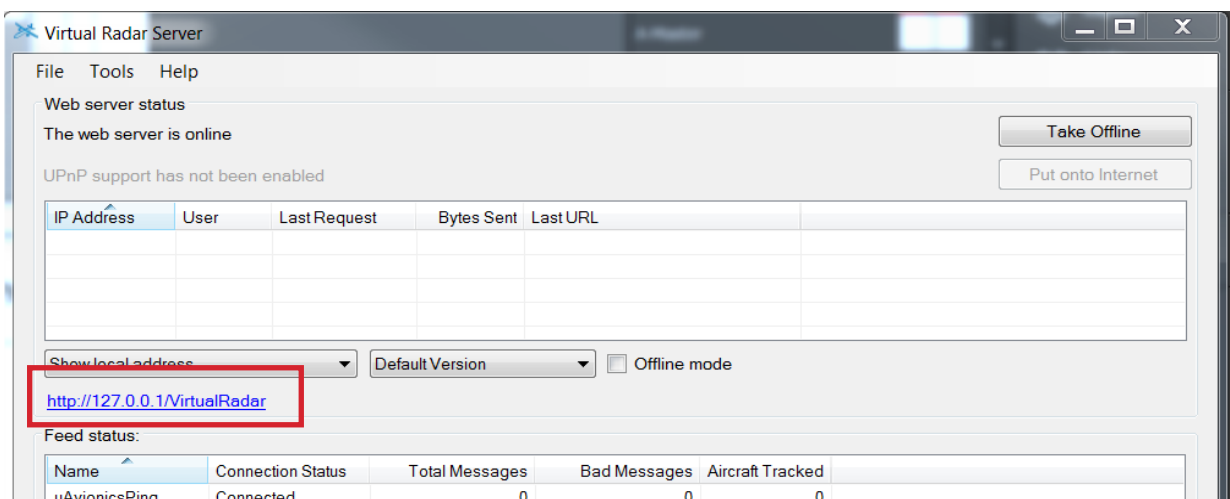- Once operational, ADS-B compliant aircraft within range will appear in the table.

To start streaming data from Ping USB to Virtual Radar Server, press "Connect" in the Ping application. If the connection to Virtual Radar Server is successful, the "Connect" button will be disabled and the "Disconnect" button will be enabled.

Open the Virtual Radar Server map view in your browser by clicking on the link in the Virtual Radar Server application.
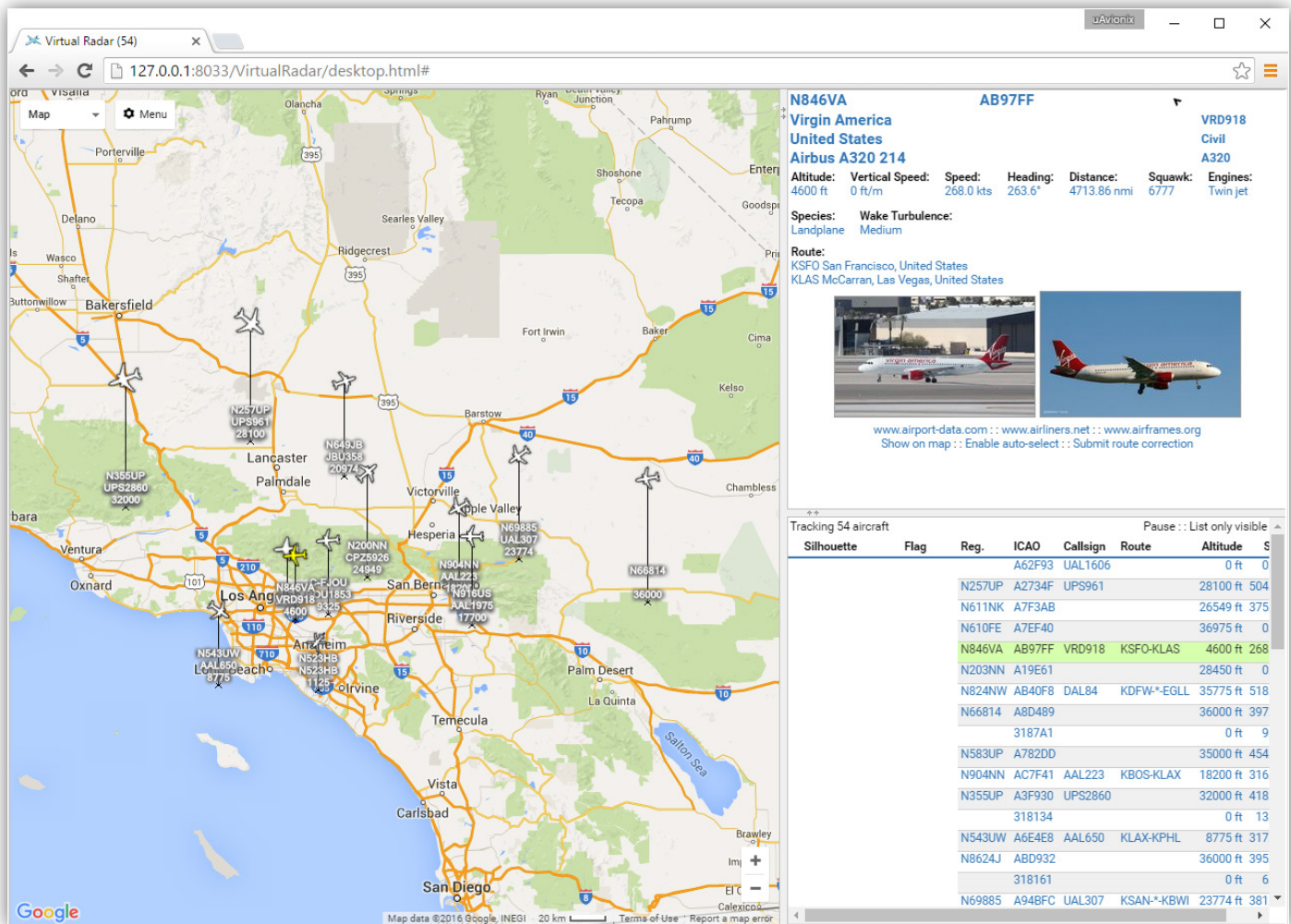
ADS-B broadcasting aircraft in range will now appear on the map. Range will vary depending on a number of factors. For the best reception, PingUSB should be placed in a location offering the least obstructed view of the horizon.