



QUICK START GUIDE

flywithsentry.com



Greetings, Pilot

- 1 LED INDICATORS
- 2 OLED DISPLAY
- 3 POWER INDICATOR
- 4 POWER BUTTON

LED INDICATOR GUIDE

ADS-B

- Multiple Towers
- Single Tower
- No Reception

CO MONITOR

- Normal
- Caution
- Danger

GPS

- Good Fix
- Bad Fix
- No Fix

PWR

- Battery Good > 30%
- Battery Low < 30%
- Battery Critical < 20%
- Battery Charging



SENTRY PLUS FEATURES

DUAL-BAND ADS-B IN

Displays ADS-B traffic + weather. Stores weather data for replay when connected to ForeFlight.

FLARM TRAFFIC

Displays FLARM Traffic in ForeFlight.

LIVE DATA DISPLAY

OLED screen displays real time data + connection status.

CO MONITOR

Detects and warns of Carbon Monoxide with audible + in-app alerts.

AHRS

Displays pitch + bank in Synthetic Vision for backup attitude.

WAAS GPS

Displays ownship position in ForeFlight to 1-meter accuracy.

FLIGHT DATA RECORDER

Record flights to import + review in ForeFlight.

G-LOAD

Display live g-Load in ForeFlight, record + debrief with Track Logs

OLED DISPLAY

Press the power button to cycle through four live data views. The Sentry logo at the top of the screen indicates the device is connected to ForeFlight.



ACCELERATION

View real-time acceleration. If no acceleration is detected, displays a g-Load of 1.0g.



CO STATUS

Monitors the ambient air for dangerous levels of carbon monoxide.



SPEED

Displays GPS ground speed in knots.



ACCURACY

Displays GPS accuracy in meters.

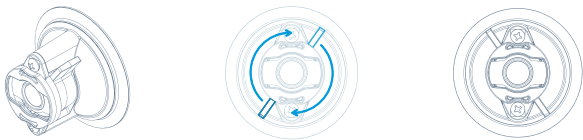
MOUNTING SENTRY PLUS

Sentry uses a RAM® suction cup mount with quick release, allowing you to easily detach Sentry while leaving the mount in place. For best performance, we recommend mounting Sentry vertically on a side window with the LED indicators facing up. If no windows are available, you can also mount Sentry on the dash with the LED indicators facing towards the nose of the aircraft.

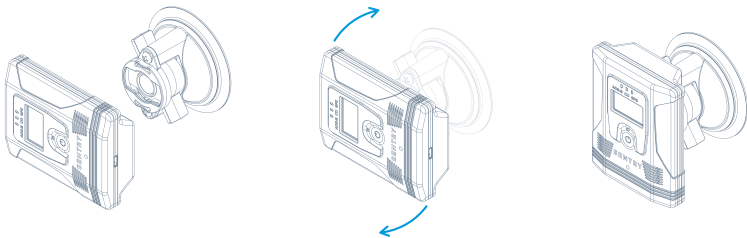
Warning: Do not leave the unit or mount installed in the aircraft in hot temperatures for extended periods of time.

- 1 Place the RAM® mount on the window with the screws aligned vertically, then rotate the tabs on opposite sides of the mount clockwise until they snap into place.
- 2 Attach Sentry to the RAM® mount by aligning the quick release adaptor on the rear of Sentry with the slot in the RAM® mount, then rotate Sentry clockwise until it snaps into place.

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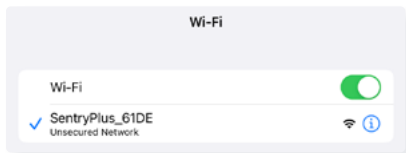
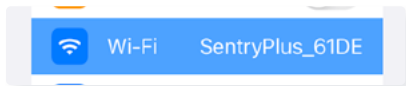




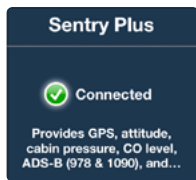
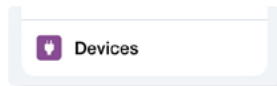
CONNECTING TO SENTRY PLUS

- 1 Hold the Power Button until the OLED display powers on.
- 2 Open the **Settings** app on your iPad or iPhone. Select **Wi-Fi**. Look for the Sentry Plus WiFi network and tap to connect. The network name is **SentryPlus_XXXX** and does not have a passcode by default.
- 3 Verify the connection by opening ForeFlight and selecting **More > Devices**. Tap the **Sentry Plus** tile to adjust settings, assign a passcode, and rename or hide the wireless network broadcast.

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3



SETTING UP SENTRY PLUS

Setup Sentry Plus the first time you connect with the Installation & Configuration menu:

- 1 Choose a mounting location for Sentry Plus. Tap **Left Window**, **Dash**, or **Right Window**. The mounting location affects how Sentry Plus displays attitude.
- 2 Configure Sentry Plus Settings:

AUTO POWER

Powers Sentry Plus on and off when connected to an external power source.

AUTO TRACK LOG IMPORT

Send your flights recorded with Sentry Plus to ForeFlight Mobile automatically.

AUTO ZERO PITCH & BANK

Automatically zero Sentry Plus pitch and bank when the device is stationary for 10+ seconds.

3 Calibrate Sentry Plus Pitch & Bank:

Select **Calibrate AHRS** from the setup menu, or tap the settings icon on the backup attitude indicator.

Ensure Sentry Plus is mounted vertically in the aircraft or placed on a hard, flat surface with the LED indicators facing the nose of the aircraft. Tap **Zero Pitch & Bank** to level the attitude indicator display. Tap the pitch and roll arrows to fine-tune the level indication. Tap **Done** when complete.

This calibration is only necessary if **Auto Zero Pitch & Bank** is disabled.



TRAFFIC

Sentry Plus automatically receives and displays air-to-air ADS-B traffic. Declutter the traffic map layer by enabling Hide Distant Traffic in Map settings. Distant traffic is more than 15nm or +/- 3,500' relative to your GPS position.

TIS-B

If flying within the service volume of an ADS-B ground station, radar detected traffic within 3500 feet and 15 nm of an ADS-B out equipped aircraft (including your own) will be displayed.

FLARM

A FLARM decoding license is required to display FLARM traffic, available at foreflight.com/buy. Sentry Plus is designed to receive FLARM frequencies on the SRD860 band (868.2 - 868.4 MHz).

WEATHER

When in proximity to an ADS-B tower, Sentry Plus receives FIS-B weather and NOTAMs on the UAT (978 MHz) frequency. Access FIS-B weather and NOTAMs in ForeFlight the same way you would when connected to the internet.

FIS-B WEATHER PRODUCTS

- CONUS NEXRAD (Low Resolution)
- Regional NEXRAD (High Resolution)
- METAR
- TAF
- AIRMET
- SIGMET
- CWA
- PIREP
- NOTAMs
- Cloud Tops
- Icing
- Lighting
- Turbulence
- Winds & Temperature Aloft

FLIGHT DATA RECORDER

Sentry Plus automatically records all of your flights when powered on. Up to 16 Track Logs (flights) are stored on Sentry Plus at a time. Import Track Logs recorded with Sentry Plus from **Track Logs** > Tap **Import Icon** > **Sentry Plus**.

Tap the download button to import an individual Track Log from Sentry Plus to ForeFlight Mobile. Delete a Track Log from Sentry Plus by swiping from right to left. Automatically import new Track Logs recorded with Sentry Plus by enabling Automatic Track Log Import via **More** > **Devices** > **Sentry Plus**.

Track Logs recorded with Sentry Plus can be reviewed in ForeFlight Mobile.

NOTE: The automatic Track Log import setting is not synced between devices.

SENTRY PILOT'S GUIDE

Visit foreflight.com/sentry-guide to access our full **Sentry Pilot's Guide**. The full guide contains in-depth instructions and helpful tips for all generations of Sentry ADS-B Devices.



WARRANTY INFORMATION

By using this product, you agree to the terms and conditions at:
foreflight.com/sentry-warranty



MADE BY UAVIONIX
FOR FOREFLIGHT



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