syride

September 20, 2024

Syride announces the release of the Evo V2

Time (also) flies… It has already been over 7 years since the Sys'Evolution was launched, bringing a range of innovations to pilots worldwide. But like any technology, evolution is inevitable, and it was time for us to give it an update that meets new expectations and recent technological advancements.

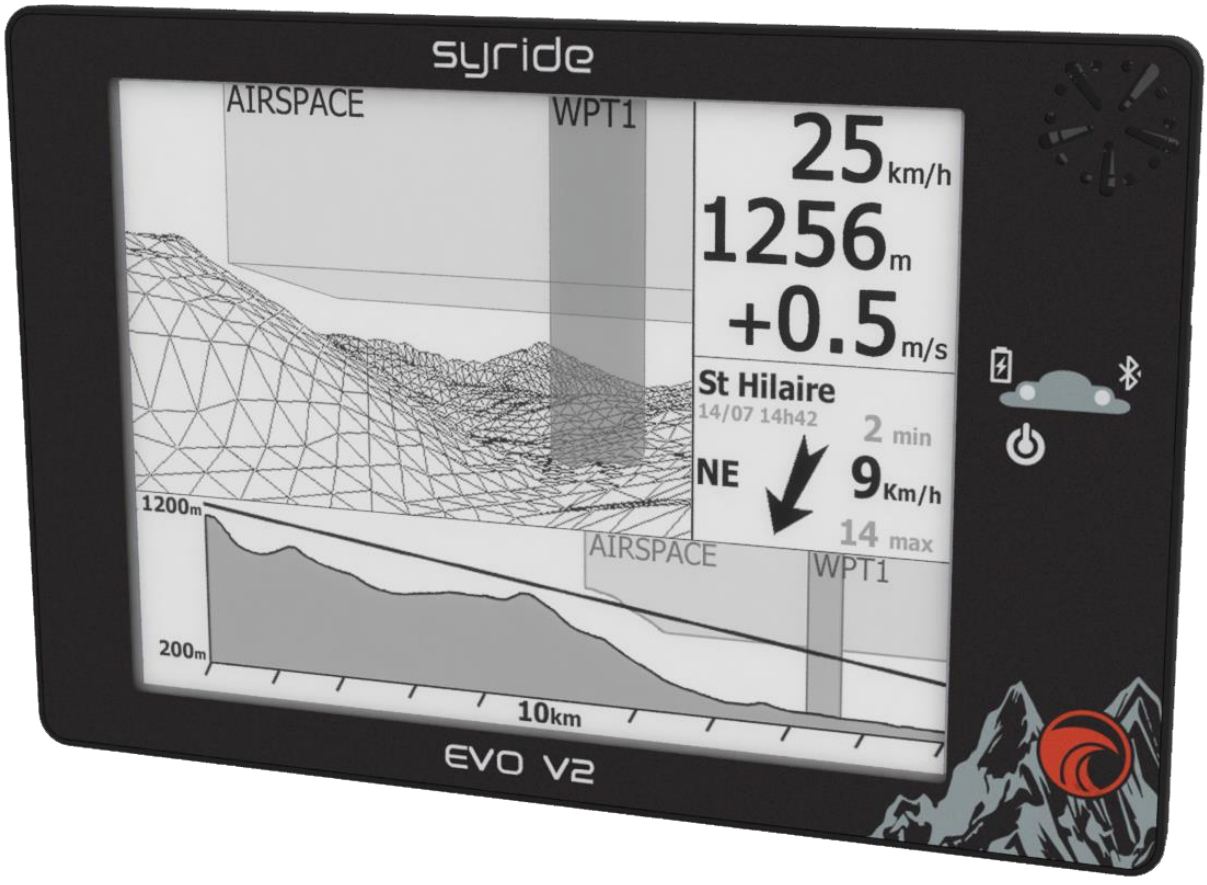
The challenge was to take what made the Sys'Evolution successful (its readability in full sunlight, weight, battery life, 3D view, and connectivity) and enhance it with new features and the latest technologies, while preserving the essence that attracted so many pilots. We focused on responsiveness and user experience, making every interaction with the Evo V2 as intuitive as possible. Whether navigating through menus, fully utilizing the new mapping, or simply enjoying faster display speeds, everything has been redesigned to offer a better flying experience.

On the technical side, the Evo V2 marks a significant leap forward. It's more powerful, now equipped with seamlessly integrated connectivity with the Syride mobile app. Besides live tracking, displaying other pilots in real-time is now possible on the Evo V2.

An optional ADS-L module is also available as an add-on.

All of this wasn't easy, but once again, our team rose to the challenge with passion. We are extremely proud to present the result of this work in this press release, to the delight of pilots.

The Evo V2 will be in stock at the beginning of 2025, priced at €699 including tax (or €749 with the ADS-L module).



Below are the main improvements available on the Evo V2:

Instant Vario

One of the most important elements for pilots is the responsiveness and accuracy of the vario, and the Evo V2 now excels in this area. We improved the vario's responsiveness by integrating external sensors, allowing for even faster triggering and instant stop.

At the same time, we have reworked the vario's sound to make it softer and more pleasant to listen to, with a more gradual sound attack.

Connectivity Enhancements

The Evo V2 is equipped with modern connectivity to further simplify the user experience.

Thanks to Bluetooth 5 Low Energy, the instrument is now fully compatible with the Syride app, available on Android and Apple.

This means you can now be live, check weather reports on your screen, and no longer need a computer to perform most actions, such as flight transfers, routes imports, or advanced device configuration.

Another very convenient feature is the ability to scan and share a QR Code to instantly send a task to your instrument. This option is especially useful for competitions. Additionally, the Evo V2 allows real-time tracking of other pilots in flight or a pre-selected list of pilots, making group coordination or tracking friends you're flying with easier.

The Evo V2 also supports an optional internal module for communication with ADS-L (see appendix at the end of the press release for more details).

Map Enhancements

The Evo V2's mapping capabilities has been completely overhauled to provide an even more accurate view of the terrain. We introduced a new topographic representation, including detailed contours of lakes, seas, and national borders.

Pilots can now benefit from new zoom levels, making it easier to plan their flights and view critical details.

The FAI assistant has been improved to help comply with Fédération Aéronautique Internationale (FAI) requirements, and we added several new layers, such as a thermals database to optimize in-flight performance, overhead cables, high-voltage power lines, airfields, peak names, and more.

Many other surprises await, making the Evo V2 a must-have for pilots seeking precision and performance.

Ergonomics

We also focused on improving the ergonomics of the Evo V2 for a smoother and more enjoyable user experience. The sensitivity and responsiveness of the touchscreen have been significantly improved, with screen refresh rates up to 2-4 times faster. This allows you to interact with the instrument without delay, even in flight.

The input keyboard has also been redesigned with a layout similar to modern tablets, making inputting data more natural and faster.

The Evo V2 also now incorporates many international fonts.

Finally, a new feature allows you to lock the screen to avoid unwanted interactions, especially during takeoff.

Improvements and New Features

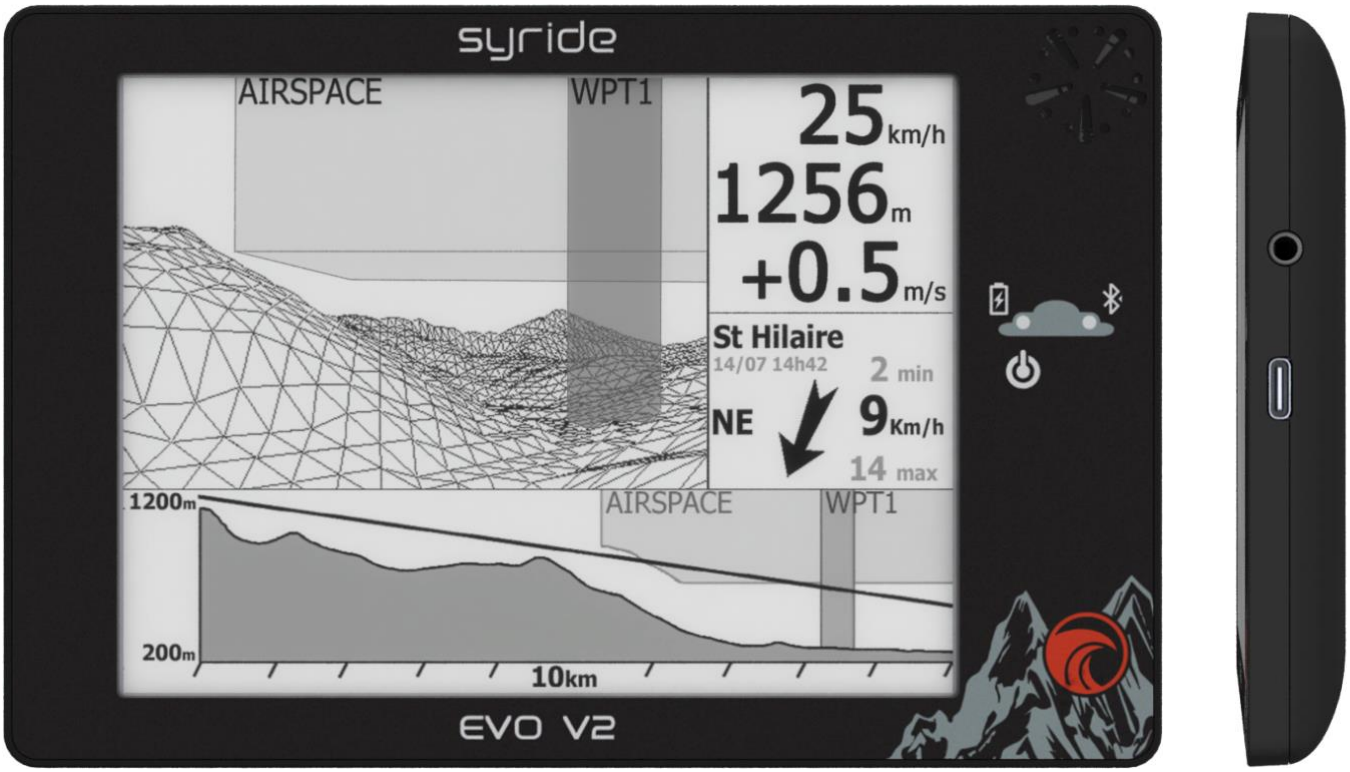
We added and improved some key features to make the Evo V2 even more efficient and practical. Among these new features, the Airspace management item has been completely redesigned. Now, when approaching an airspace zone, an interactive popup appears on the screen, providing all the necessary details about the airspace, along with several options for managing the warning. This feature makes interacting with airspaces more intuitive and easier to handle during flight.

Additionally, we integrated inflight optimized distance calculation with 3 turn points, a highly anticipated feature for cross-country pilots.

Technical Comparison Between Evo V1 and Evo V2

	Evo V1	Evo V2
CPU Speed	180MHz	4 x 240MHz cores
Syride app Bluetooth compatibility	✗	✓
Screen refresh	Once per seconde	2 to 5 times per seconde
USB Type	Mini USB	USB-C
ADS-L module	✗	✓ Optional

The Syride Evo V2 will remain one of the lightest, slimmest, energy efficient large-screen instruments on the market.



Appendix :

About ADS-L

What is the ADS-L module?

The ADS-L module is an optional module that communicates on the 868 MHz frequency, available in the Evo V2. It enables communication via the new ADS-L (Automatic Dependent Surveillance – Light) protocol, a lighter version of the ADS-B (Automatic Dependent Surveillance – Broadcast) system commonly used in aviation for aircraft tracking.

Purpose

The ADS-L protocol was designed to enhance air safety by facilitating anti-collision detection, real-time aircraft tracking, and alerting in the event of nearby traffic.

Origin

The ADS-L protocol was developed under the regulation of the European Union Aviation Safety Agency (EASA).

Who is it for?

This protocol is specifically designed for light aircraft such as paragliders, hang gliders, ultralight aircraft, and even drones.

When will it be implemented?

The ADS-L protocol will be gradually implemented across Europe, focusing on areas with high light aircraft traffic. The first deployments could begin as early as the end of 2024, with widespread adoption expected by 2025-2026. The Evo V2 will be ready to operate with this protocol in the areas where it is activated upon release.

In which countries?

The ADS-L protocol will be deployed in European countries. Switzerland, although not an EU member, is also involved, as it often follows EASA regulations.

What is the difference between FLARM and ADS-L?

FLARM is a system developed by a private company, requiring a subscription and license to access certain services and features. It is primarily used for short-range collision avoidance. In contrast, ADS-L is a standardized, open protocol developed under EASA regulation, without requiring a subscription, and designed for broader compatibility.