

For all RS21 UK&I Cup 2025 events we will be using the Vakaros RaceSense system which is a new and exciting race management System. **This is the future of sailing.** With the aim to be the most innovative, smart and sustainable International Sport Boats One Design Class, Vakaros will help us get better racing, less waiting and a steeper learning curve for all competitors. Over the next years you will see more and more RS21 Racing events using Vakaros as the platform to organize the racing from. This system was used for our recent world championships in Spain and proved a great success. This is an exciting development, and we know that once you have tried it once, you don't want to go back!

What does RaceSense do?

The race management team will control your device onboard your boat. They will automatically start your timer for the start sequence. They will input the position of each end of the start line so your device will display the exact distance your boat is to the line, no need for you to ping the line. Because the device knows your exact position in relation to the start line, at the start signal, it will know if you are OCS or not and tell you, so if you are OCS, you can go back to clear the line, it will then tell you when you have cleared the line. The device will provide notifications such as, a new start sequence is about to start, or an AP is displayed etc.

For more info please check out the [RaceSense Sailor Manual](#), and our tips for your [First RaceSense Event](#). Video from the RS21 World championships in Spain last year - <https://fb.watch/xRyfWBWRft/>

The RS21 class have negotiated a special deal for Vakaros RaceSense for 2025.

If you already own an Vakaros Atlas 2:

- Each team pay a one-off annual fee for the RaceSense licence. This covers the whole season and can be used for all/any RS event whether in the UK or Italy. If you are an RS21 UK&I class member you can take advantage of the discounted subscription fee of 100 dollars/euros (~£83) for the year (normally 150 euro/dollars). You must register with Vakaros by filling in this form - <https://forms.gle/uR1C9eT2FhRwxNqS8>. They will check you are a class member and then be in touch to register your device and take payment for the RaceSense subscription.
- Ensure your unit is updated to the latest firmware version via the Vakaros Connect App. For a video on how to update your firmware, see here: [Atlas 2 Firmware Update Tutorial](#). Calibrate your compass by following these steps: [Atlas Compass Calibration](#)

If you do NOT own a Vakaros device:

- You can purchase a device, class members can take advantage of a bundle deal which includes an Atlas 2 device, mast mount, case, screen protector and care package for £999 (usually £1124 RRP). This can be purchased from either michiel@rssailing.com or duncan@sailingfast.co.uk who will check you are a class member before authorising the discount.
- Or you can rent a device of an event. This instrument will display magnetic heading, SOG, heel/trim, DTL as well as an automatic countdown start timer and OCS status, it will also come with a mast bracket. Rental devices will be available for pickup at registration of each event, you MUST pre book the rental so we can ensure we have enough devices available, contact liam@rssailing.com to book. Rental cost is £20 per day (this is included in the fee for RS charter boats).

Check in at events (for all teams):

- Each team will need to check in with their Atlas 2 in hand, or to receive their rental device at registration of each event. Check-in should take five minutes.

If you have any question in the meantime, please contact RS21 Class Manager - Liam Willis
(liam@rssailing.com)