Manuals+ — User Manuals Simplified.

Syride SYS'GPS GPS Speed Glide Ratio Wind Speed User Manual

Contents

Syride SYS'GPS GPS Speed Glide Ratio Wind Speed

Product Information

SYS'GPS

The SYS'GPS is an extra light instrument with the most recent technologies that allows paragliders to monitor their performance and improvements. The instrument has sensors that enable the development of future features. The SYS'GPS comes with a unique and highly detailed online flight book.

Contents

1. Setup the SYS PC Tool
2. Place the instrument
3. Recharging the battery
4. Configure your device
5. Advanced configuration
6. Customize your screens and vario sound
7. Height above ground

Product Usage

1. Setup the SYS PC Tool

   To install the communication software Syride, follow the instructions to install it on your Windows/Linux or Mac OS PC.
2. Place the instrument

   The two Velcro straps allow you to position the SYS'GPS on your cord or accelerator pulley. It is recommended to position the instrument with the fur between the Velcro and your control to make it easier to handle.
3. **Recharging the battery**
   1. To recharge your instrument, connect the mini USB plug of your SYS'GPS to a USB port on your computer.
   2. To interrupt charging, unplug the instrument. The LI-battery takes about ten seconds to show the current

charge level.

4. Configure your device

   You can configure your device by accessing the SYS'GPS options.

   You can view battery level, memory capacity, version number, and serial number by clicking the central button on the left and then the central button again.

5. Advanced configuration

   You can customize your display and vario sound in the advanced configuration settings.

6. Customize your screens and vario sound

   You can customize your display and vario sound in the advanced configuration settings.

7. Height above ground

   You can view your height above ground while recording a flight.

   To view your trace, click on the image and apply the time zone of your computer.

Note: Do not attempt to recharge the instrument with a USB cord other than the one provided by Syride. The rating for the cord is 5VDC 500mA. For any issues, please contact Syride support.

Setup the SYS PC Tool

1. Download the lastest version of the SYS PC Tool by checking the following website :

   http://www.syride.com/en/software

2. Follow the instructions to install it on your computer.

3. Once installed, an icon shows in the task bar. It detects when your instrument is connected.

4. The software will automatically start with your operating system.

Place the instrument

1. Syride suggests to place your instrument on the risers. 2 velcros ables you to place it on any existing riser.
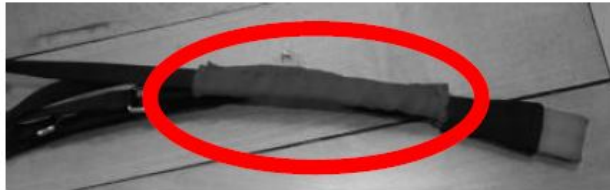
   Take care not to « lock » your rope or pulley accelerator.This position ables you to manipulate the instrument

while flying without releasing the brakes.

We recommend you to insert a protection between the velcro and your riser in order to avoid the abrasion of it.
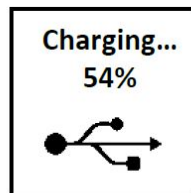
2. Velcros also allow placing the instrument on a cockpit in thigh (with extension) or on the wrist.

3. You can secure your instrument by using the strap provided for this purpose.

Recharging the battery

1. Simply connect your instrument's USB to a computer. A light shows the right loading of the device.

2. Your instrument will display "Charging…" and the percentage of charge. To complete, a charge requires 2 hours.

3. Disconnect USB to stop the charge. Your instrument has a Li-ion battery, which has no memory effect.

4. When your instrument will start the battery icon needs 10 seconds to be stable.
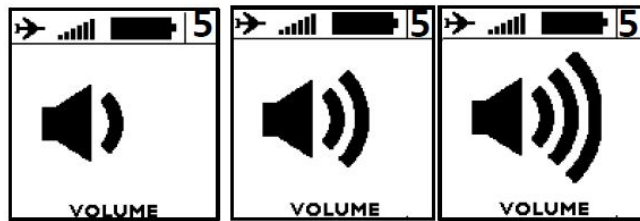
Charging...
54%

1289m
44km/h
3.4m/s

Configure your device

1. Push the central button to start your instrument.
2. Go to screen #5 with left and right buttons, and confirm by clicking on central button. The number of the screen is displayed on the top right of it.
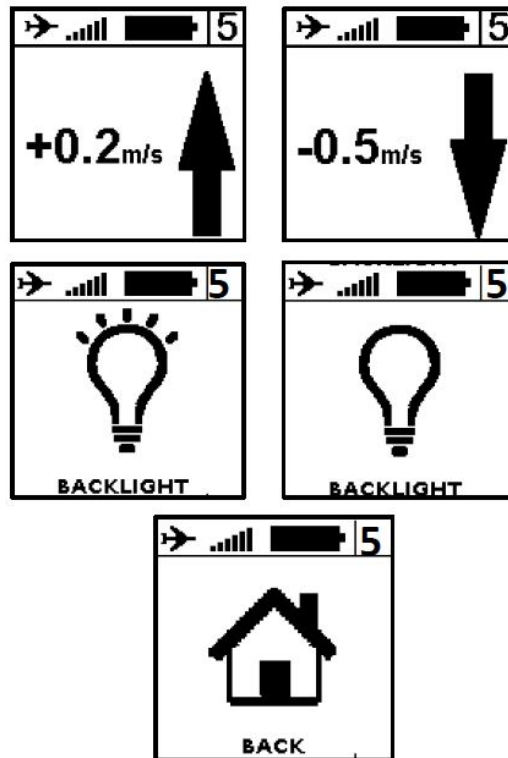3. The first screen shows some informations about your instrument.

START ➡

5

CONFIGURATION

5

SYS'GPS
Battery : 100%
Memory : 52%
Version : 1.15
S/N : 20142013

4. Next screen ables you to setup the sound volume.

5. The 2 next screens ables you to setup rising and falling threshold of the vario.

6. You can turn ON or OFF the backlight of your instrument on the next screen. Warning : backlight reduces the instrument's autonomy.
7. Last screen is to go back to main Last screen is to go back to main

Advanced configuration

Connect your device to a computer with the SYS PC Tool, you get access to advanced setup. You can :
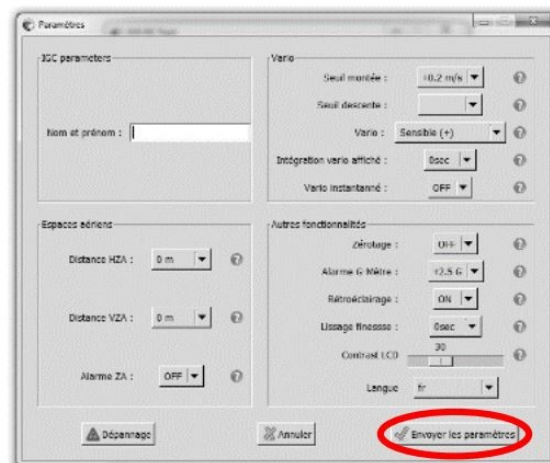
- Adjust the security alarm based on the G-meter.
- Modify the filtering time (integration) of the vario.
- Choose the units and the language of your instrument.
- Change any setup that is changeable inside the instrument.

An explanation of those functions is explained here: **https://www.syride.com/en/support**

For this :

1. Turn-on the instrument and connect it to your computer
2. From SYS PC Tool, click on "configure my instrument" icon.
3. Change whatever you want.
4. Click on Send parameters.

Customize your screens and vario sound

With SYS'GPS, you can fully customize screens 1 and 2, as well as your vario sound! To customize your screen (tutorial video **https://www.youtube.com/watch?v=D3lfZWiS13M**) :

1. Go to : **http://www.syride.com/en/ssctool/GPS**
2. Customize your screen by selecting an item with is font size and units, and then drag and drop it to the screen.
3. Download the config file to your computer.
4. Turn-on your instrument, and connect it to your computer.
5. On SYS PC Tool, click on "Send a file to my Instrument" icon.
6. Select the config file you just downloaded before and disconnect your instrument, done.

The vario sound setup follows the same principle, follow here: **https://www.syride.com/en/variosetup**

Height above ground

The SYS'GPS is able to tell you how high from the ground you are thanks to topography data recorded by the Shuttle Radar Topography Mission realized in 2000 by Endeavour space shuttle (see **http://en.wikipedia.org/wiki/Shuttle_Radar_Topography_Mission**).

To send topography data into your instrument :

1. You must go to our dedicated webpage: **https://www.syride.com/en/topography**

2. Then move the red rectangle to your selected fly area, and download the data.
3. Turn on and connect your SYS'GPS with the USB cable.
4. Then go in the SYS PC Tool, and click on the "Send a file to my instrument" icon, and select the file you previously downloaded.
5. ait until the end ot the file upload and restart your instrument.

Caution, height above the ground has a precision of ±20m, plus

To display your height above ground, this information must be included in your screen configuration (see previous chapter) and you need GPS reception.

Screens when flying

1. Screens #1 and #2 shows the informations you previously choosed.

2. Pressing the central button will turn OFF and ON the sound of the vario. This is usefull when you need to concentrate on a transition or when landing.
3. Press the central button on the screen #3 in order to save your current GPS position. Screen #3 then shows the
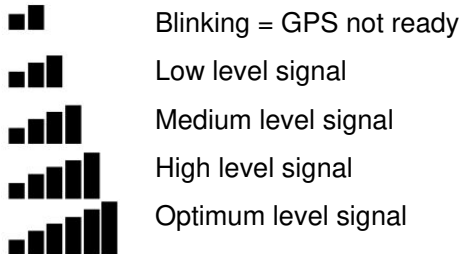
distance and gain from this point.

Information about GPS state

The GPS fix after a long period of inactivity, or after an important change in geographical position, can take up to 10 minutes. It is recommended to be outdoor in order to ease the first GPS fix.
We suggest you to turn ON your instrument a few minutes before taking-off until GPS fixes.

1. GPS state is shown with the bargraph on the top center of the screen :

        Blinking = GPS not ready

        Low level signal

        Medium level signal

        High level signal

        Optimum level signal

2.   The plane icon on the top left of the screen indicates wether a flight is beeing recorded or not. The vario
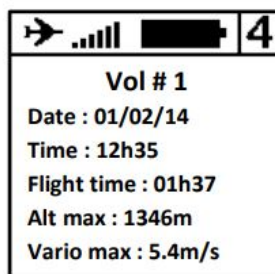

      automatically detects when you're flying.

Display and delete a flight

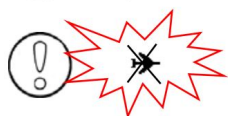1. Go to screen #4 and press the central button to enter the flights list.

2. You will see here every recorded flights, with some informations about this flight.

3. To delete a flight, press the central button and confirm your action when you're asked to.

4. Come back to the main flight screens by pushing on "BACK"

Warnings and reset

  If this happens, be sure the instrument's memory is not full, and check the battery is charged enough.

  To protect from flights corruption, your instrument will automatically stop recording the flight if the battery is too low, or if memory is almost full. This is indicated when the plane icon on the top left of the screen is blinking with a cross over it

  If the G-Meter exceeds the value selected in advanced parameters (2.5g is the default value), a highly noisy sound will activate (even if the sound is turned off).
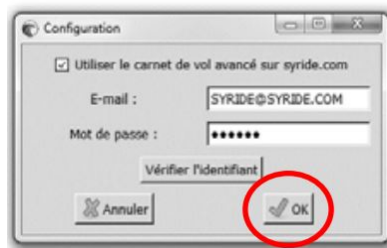If ever your instrument would be stuck (unresponsive to buttons), plug the device to your computer with the USB cable and press the reset button with a needle in the hole on the back of the instrument (keeping the USB plugged).

Transfer your flights

1. Be sure you've installed the SYS-PC-Tool software on your computer (**https://www.syride.com/en/software**)

2. Turn on and connect your instrument with the USB cable.

3. Click on Account configuration icon.

4. The IGC/GPX and KML files are systematically duplicated on your computer.

   To use the advanced flight analyzer on syride.com, you must enter your email and password of your Syride account (create one on **http://www.syride.com**) Make sure "Use the advanced logbook from Syride.com" is selected to upload your flights and click "OK".
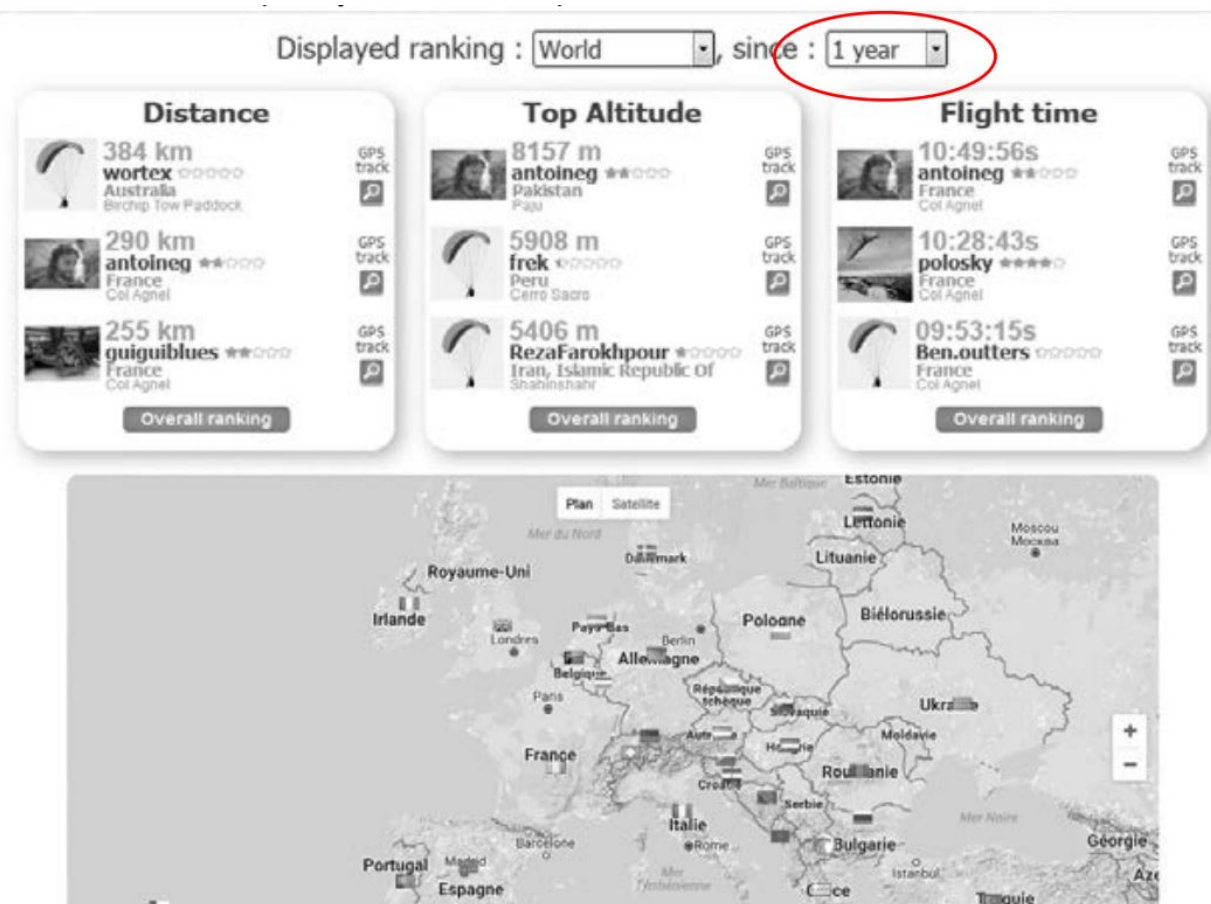
5. Press the "Download recorded flights" icon, and your flights will be sent from the instrument to your computer and the online flight book. You can have access to the files on your computer by clicking on File/open local directory.

6. You can modify your flight information (e.g. name, used glide, take off site and the type of flight) by clicking on the red pen and validate your modification with the green arrow.

7. To watch your track, click on the picture.

8. You can make your flight invisible for the Syride community by clicking on the eye icon on the top right. It will stay on your profile but the Syride users won't be able to see it.

9. You can look at your personal evolution on the flight page through location and time.
   You can also compare your stats and performances to the other riders.

Parameters

Here is a list of parameters preprogrammed in your instrument in order to improve its use and autonomy:

- Flights less than a minute will be automatically deleted by the SYS PC Tool.
- When flying, your instrument will automatically stop recording the flight if neither a ground speed nor a vario is detected.
- Your instrument will automatically turn OFF if a 20 minutes inactivity is detected, unless you're flying.
- The SYS'GPS is able to record 75h of flights.
- The SYS'GPS is able to record 30 flights.
- G-Meter alarm is set to 2.5g by default.
- Time and date setup is thanks to the GPS (to get the GMT) and your computer (to apply the timezone).

Suggestion of use

- We suggest you to turn-on your instrument while preparing your flight in order to be sure you get the GPS fix before starting your flight.
- Use the strap to secure your instrument while flying.
- Electromagnetic perturbations from antennas can disturb GPS signal
- If the SYS'GPS is very hot and you fly in very cold air, fog can appear on the screen. It will dissipate within minutes.
- Only use the backlight if required. Otherwise the autonomy will decrease significantly.
- A Factory Reset from SYS PC Tool (Settings icon   Repair button) allows you to get your instrument back to default state (every recorded flight will be deleted).

- When you connect your instrument to a USB charger, the battery will start charging, even if the instrument is turned-off.

Notes
Important : Safety Notices and Warnings
Precautions of use for the SYS'GPS
Never leave your SYS'GPS unattended
Take care of your equipment by cleaning with a soft cloth regularly. Do not open the product, the screws are tight with a certain degree which guarantees the seal of the unit. This action would cancel your guarantee. If water were introduced by inadvertency into your SYS, open the USB cache to air it and wait until it is dry before lighting it. Do not expose your device to too high or too low temperatures, which risk damaging it for good. Avoid leaving it in full sun as an ornament, or putting it in the freezer! The soaring in the Antarctic is not guaranteed!!
Ensure that the product is well in position before taking off. Syride cannot be held responsible for the loss of the product during the flight (takeoff included).
We give great importance to constantly improve the treatment results of sessions. We can provide an estimate of the indicators. If your results are not consistent with reality, please let us know so we can improve our data processing.

Battery
This product uses a lithium-ion battery. Do not expose to temperatures above 50 ° C (120 ° F). The SYS tells the user if it detects a temperature above 50 ° C (120 ° F) when in function. Risk of fire, explosion or burning.
If leakage and contact with liquid leaking from the battery, clean thoroughly with water and seek medical advice immediately. For safety reasons and to extend battery life, charging can be done in an ambient temperature range.
Temperatures: Standard operation: 0 ° C (32 ° F) to +45 ° C (113 ° F) short-term storage: -20 ° C (-4 ° F) at 60 ° C (140 ° F) Storage long term -20 ° C (-4 ° F) at 25 ° C (77 ° F).
Do not check out, or do not attempt to remove the battery, which is not user replaceable. If battery problem, please contact Syride support.

Notice to users regarding collection and disposal of batteries and electrical and electronic equipment.
LITHIUM-ION BATTERY AND ELECTRONIC CIRCUIT IN THIS PRODUCT CAN NOT BE ADDED TO THE HOUSEHOLD WASTE. To allow proper recycling, please bring it to a collection point for.

Directive 2002/96/EC applies within the European Union. For the procedure applicable in countries outside the European Union, please check with local authorities DO NOT ATTEMPT RECHARGING THE DEVICE WITH A DIFFERENT USB CORD THAN THE ONE PROVIDED. RATING : 5VDC 500mA.

GPS (Global positioning System).
The GPS is a Global Positioning System satellite that is controlled by the Government of the United States of America. Syride not responsible for the availability and accuracy of GPS

CE Mark
This product meets the requirements of the CE mark as part of a residential, commercial or light industrial.

About this document
The greatest care was taken in the preparation of this document. However, due to the commercial development of the product, some information may not be quite up to date. The information in this document is subject to change without notice. Syride not responsible for any omissions or technical or editorial errors in this manual, in the event of incidental or consequential damages resulting from the content or use of this document.

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Documents / Resources

	Syride SYS'GPS GPS Speed Glide Ratio Wind Speed [pdf] User Manual SYS GPS GPS Speed Glide Ratio Wind Speed, SYS GPS, GPS Speed Glide Ratio Wind Speed , Speed Glide Ratio Wind Speed, Ratio Wind Speed, Wind Speed

References

- ᵂ **Shuttle Radar Topography Mission - Wikipedia**
- **Syride**
- **Syride**
- **Syride**
- **Syride - Software**
- **Syride - Ssctool**
- **Syride - Topographie**
- **Syride - Software**
- **Syride - Ssctool**
- **Syride - Logiciel**
- **Syride - Ssctool**
- **Syride - Software**
- **Syride - Support**
- **Syride - Topography**
- **Syride - Variosetup**
- **Syride - Topographie**
- **Syride - Registrieren**