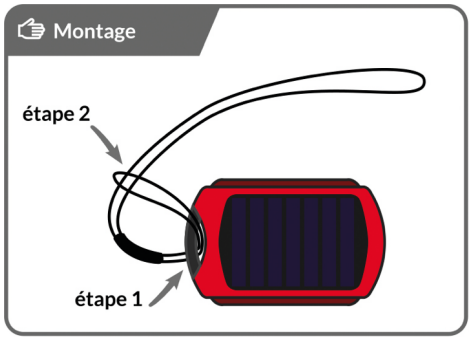
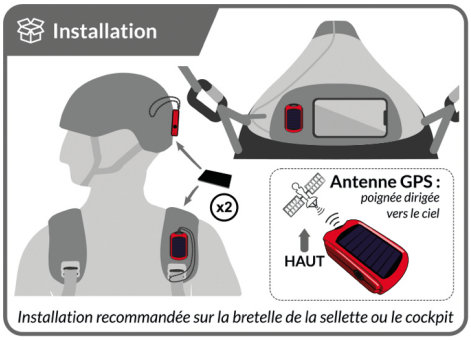


Set-up: Make a lark's head with the attachment line to secure the UltraBip.

1. Pass the small loop of the attachment line through the handle of the UltraBip.
2. Pass the other end of the line (large loop) inside the small loop.



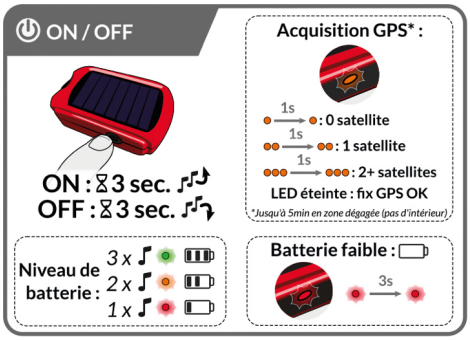
Installation on the harness shoulder strap or on the cockpit is recommended.
(at a distance from your radio to avoid interference)

GPS antenna position : To get the best satellite reception, position the device so that it faces the sky, as shown in the diagram.

Note:
Even during your preparation, make sure that nothing is covering the UltraBip, and that the antenna (behind the handle) is positioned so that it faces the sky.
Track recording starts 1 minute before take-off detection (if the GPS fix has taken place). Or, in the Configurator (https://www.stodeus.com/en/stodeus-configurator/)You can disable take-off detection, and recording will start as soon as the GPS fix is established, and will continue as long as the camera is switched on.

Info :
The UltraBip has been designed specifically for use in paragliding. We do not guarantee optimal operation in the car, at home or near buildings.

The GPS recording frequency is 1Hz.

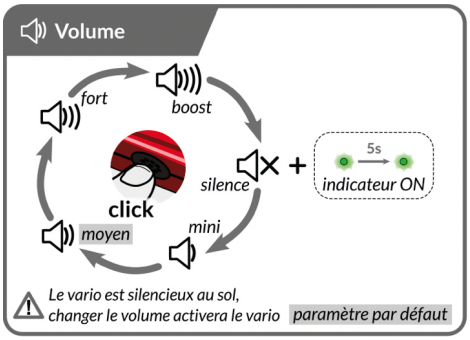


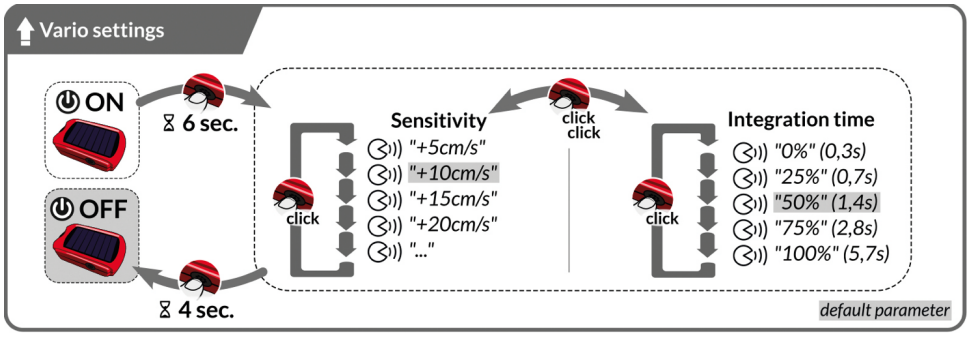
GPS search : GPS fix takes 30 seconds in optimal conditions. The more the orange LED flashes, the greater the number of satellites in view. When the GPS fix is established, the LED stops flashing.

As the UltraBip is a very low-power, solar-powered device, it needs optimum conditions to make a GPS fix in less than 1 minute: at the set-up site, in a well-cleared area, with the handle pointing skywards.

Note:
Without a GPS fix, your track will not be recorded, but the audio vario will still be activated. During satellite acquisition, battery consumption is high.

Profile selection at startup: If you have created multiple profiles (up to 3) using the *Configurator (https://www.stodeus.com/en/stodeu configurator/)*, you will be asked to select one when the device starts up: A single click lets you cycle through the profiles, a long click selects the current one. If you don't take any action, the last used profile will be selected automatically after 20 seconds.





Volume : You can select from five different volumes at the click of a button, at any time.

Silent Vario : voice volume and LED behaviour can be configured in the Configurator (https://www.stodeus.com/en/stodeus-configurator/).

The vario is silent on the ground. *On the ground, changing the volume will activate the vario, which is silent by default until you take off (configurable, see the "descent alarm" section).*

Note: The volume of the vario consumes energy: when it is at maximum, battery consumption is high.

Climb beep settings : You can change the climb sensitivity without using the Configurator (https://www.stodeus.com/en/stodeus-configurator/) (just before take-off, for example), following the diagram above. If you have several profiles, you will need to select one first.

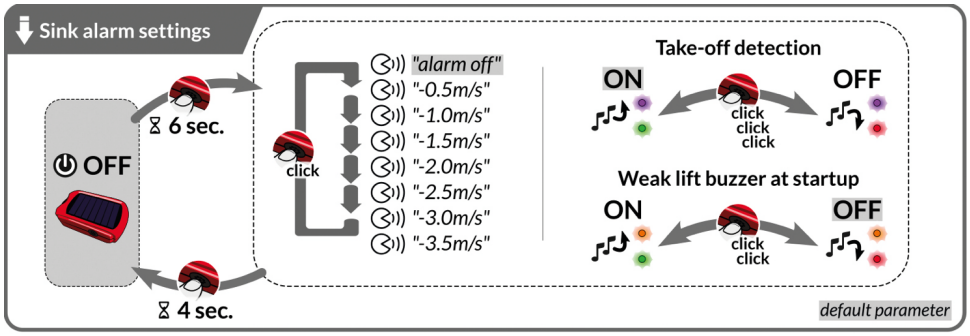
To enter the vario settings menu :

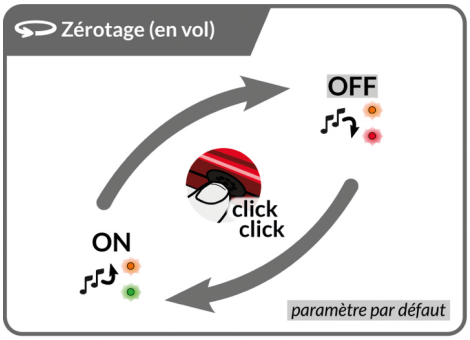
1. The UltraBip must be **ON**.
2. Then press and hold the button for at least 6 seconds.
3. Then, each click changes the setting.
4. When you have chosen your rise sensitivity, double-click to move on to the integration time setting.
5. Each click changes the setting.
6. Confirm your choice by pressing and holding the button for 4 seconds.

Note: A slow integration time gives a damped and averaged vario, for a better understanding of the information. Ideal for weak lift with a wide turn radius.
A very short integration time gives instant, fast vario. Ideal for leeward, choppy thermals that are difficult to exploit.

Vario profiles: long beeps / short beeps.

To choose between short and long beeps, quadruple-click the button at any time when the instrument is switched on (excluding the setup menus). You will then hear a short profile demo on a simulated vario ranging from -8m/s to +8m/s.





Setting the descent alarm : You can change the descent alarm without going through the Configurator (https://www.stodeus.com/en/stodeus-configurator/) (just before take-off, for example), following the diagram above. If you have several profiles, you will need to select one first.

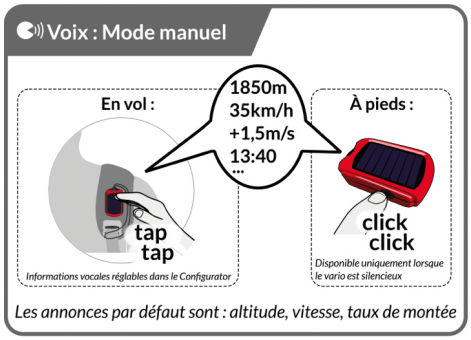
To enter the lowering alarm setting menu :

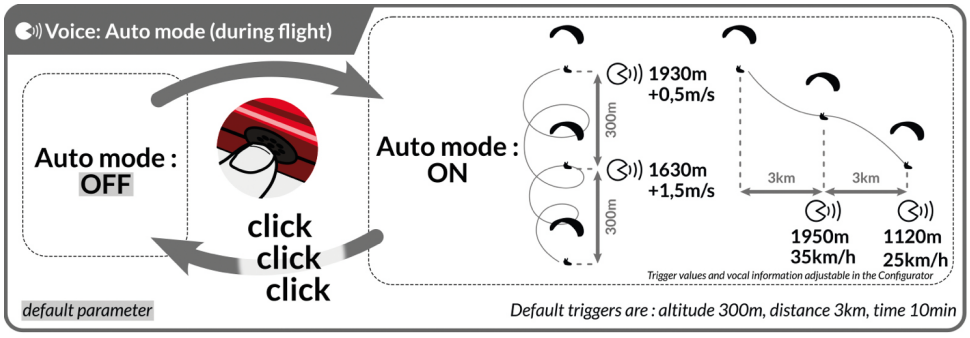
1. The UltraBip must be **off**.
2. Then press and hold the button for at least 6 seconds.
3. Then, each click changes the setting.
4. If you wish, you can activate or deactivate take-off detection by triple-clicking.
5. If you wish, you can activate or deactivate zeroing at start-up by double-clicking.
6. Confirm your choice by pressing and holding the button for 4 seconds.

Zerotage : brief modulations indicating an area of very weak lift, not strong enough to circling in but potentially close to a thermal (vario from -50cm/s to the selected climb rate, default +15 cm/s).
Configurable thresholds in the Configurator (https://www.stodeus.com/en/stodeu configurator/).

To enable or disable this option, double-click the button at any time when the instrument is switched on.

Note: It is also possible to have zeroing activated from start-up, see section "lowering alarm settings".
When the vario is silent or deactivated, the manual voice announcement is activated by double-clicking.





Request flight information at any time, by double-tap or double-click (if vario silent or deactivated) on the device.

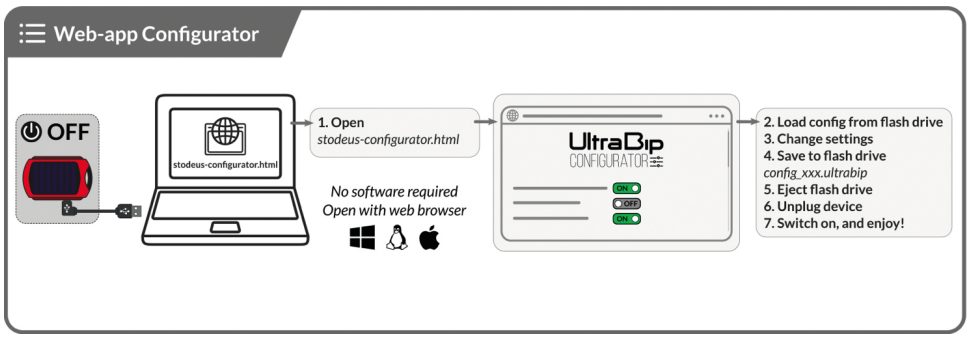
Note: The strength of the double-tap, the deactivation of the ground double-tap and the announcement format can be configured in the Configurator (https://www.stodeus.com/en/stodeus-configurator/).

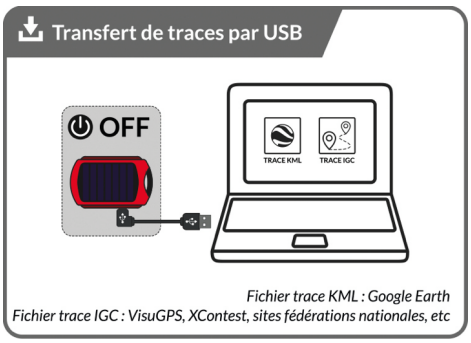
You can activate or deactivate automatic voice mode: announces flight information when distance, altitude or time conditions are met.

Flight voice information :

- GPS ground speed (if available)
- Altitude (MSL), calibrated from GPS at start-up, barometric during flight
- Average rate of climb
- Cap
- Time (remember to set the time zone in the System menu on the Configurator (https://www.stodeus.com/en/stodeus-configurator/))
- Flight duration

and much more...

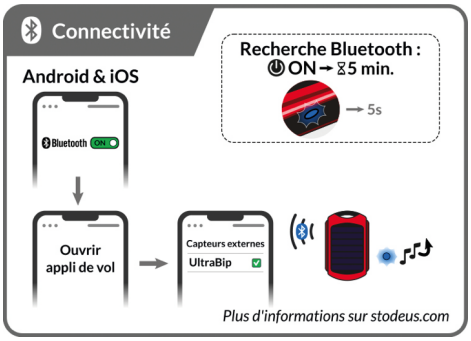


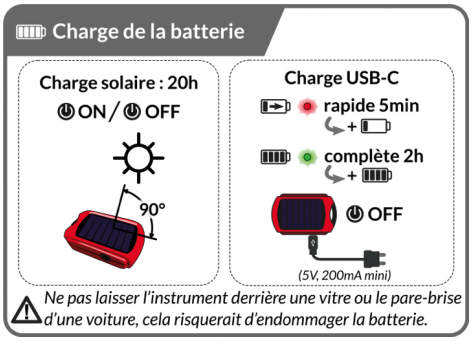


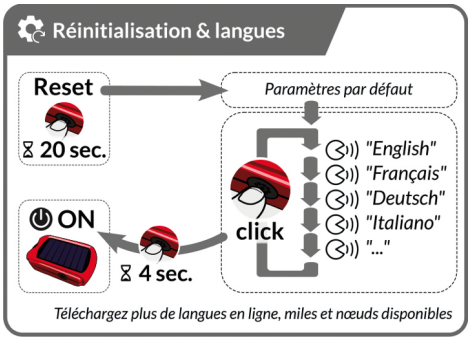
No need to install any software. Works on Windows, Linux and Mac with a web browser, even offline.
Use Chrome or Firefox. More information on the Configurator (https://www.stodeus.com/en/stodeus-configurator/).

In the Configurator, you can create up to three different profiles (cross-country, bivouac, two-seater, acrobatics, and many more).
Make sure you save the configuration file to the root of the instrument, and you will be asked to select the profile each time you switch it on.

To view a flight : Connect the UltraBip with a USB-C cable to your computer, retrieve the corresponding IGC file (in the "tracks" folder), load it onto an online viewer such as the IGC Webview (https://alistairmgreen.github.io/jsig (http://www.victorb.fr/visuigc.html), (https://parapente.ffvl.fr/cfd)or XCon (https://www.xcontest.org/world/en/ You can also load the KML file into Google Earth to view your route in 3D.







The UltraBip connects via Bluetooth to your favourite flight app on Android and iOS (XCTrack, FlySkyHy, FlyMe, SeeYou Navigator, LK8000, and more)

To establish the connection between the UltraBip and your flight app, there is no need to pair the UltraBip with your smartphone in the Bluetooth menu. (except for remote control mode (https://www.stodeus.com/en/bluetooth-connectivity/#bluetooth-advanced-features)).

Click here for Bluetooth connectivity guides by flight app. (https://www.stodeus.com/en/bluetooth-connectivity/)

Note: the UltraBip also works independently. You don't need to connect it, as the UltraBip records your track and gives you all the flight information by voice. Electrosensitive people can completely deactivate Bluetooth via the Configurator (https://www.stodeus.com/en/stodeus-configurator/).

In-flight solar charging is guaranteed with the default settings (minimum or medium volume, default vario settings, auto voice, descent and zeroing alarms deactivated, etc.).

UltraBip's autonomy obviously depends on the amount of sunlight available, as well as the options activated in the Configurator (https://www.stodeus.com/en/stodeus-configurator/) (see consumption indication for each parameter).

Note: If the battery is completely empty, when the UltraBip is switched on it will beep, then play the shutdown melody, and the LED will flash red for a few seconds.

+ More about USB charging

+ More information on solar charging

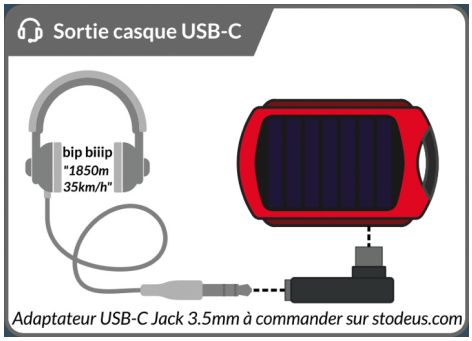
Perform a factory reset at any time : the default settings will be applied, and you will have to choose your language again.

Note: your last configuration file will be saved as *before-reset-config.ultrabip*.

Languages : other languages can be downloaded here. (https://www.stodeus.com/en/ultrab voicepacks/)

Default settings :

- 1 profile
- Manual mode voice: ON
  - announcement: altitude, speed, average rate of climb
- Voice automatic mode: OFF
- GPS: ON
  - take-off detection: ON
  - Recording format: IGC and KML
- Instant Vario: ON
  - climb threshold: 10cm/s
  - integration time: 50%
  - DOWN ALARM : OFF
  - zeroing: OFF
  - vario silent floor: ON
- Connectivity : ON
- Automatic switch-off: after 30min of inactivity



Headphone output : If you want to connect headphones or earphones to receive beeps and voice information directly into your ears, you need to use theStodeus USB-C to 3.5mm jack adapter (https://www.stodeus.com/en/shop/accessories/59-usb-c-to-jack-35mm-adapter.html/).

The headphones must have a 3.5mm jack connector.

Note: This audio functionality is only guaranteed with thecustom-made Stodeus adapter (https://www.stodeus.com/en/shop/accessories/59-usb-c-to-jack-35mm-adapter.html/).

Download the printable version of the user guide here