

## FlyBeeper mini

### Manual

This acoustic variometer was designed as a backup device. It has the smallest size in the FlyBeeper lineup and minimal functionality – acoustic indication of climb. Due to its size it is easily integrated into the equipment.

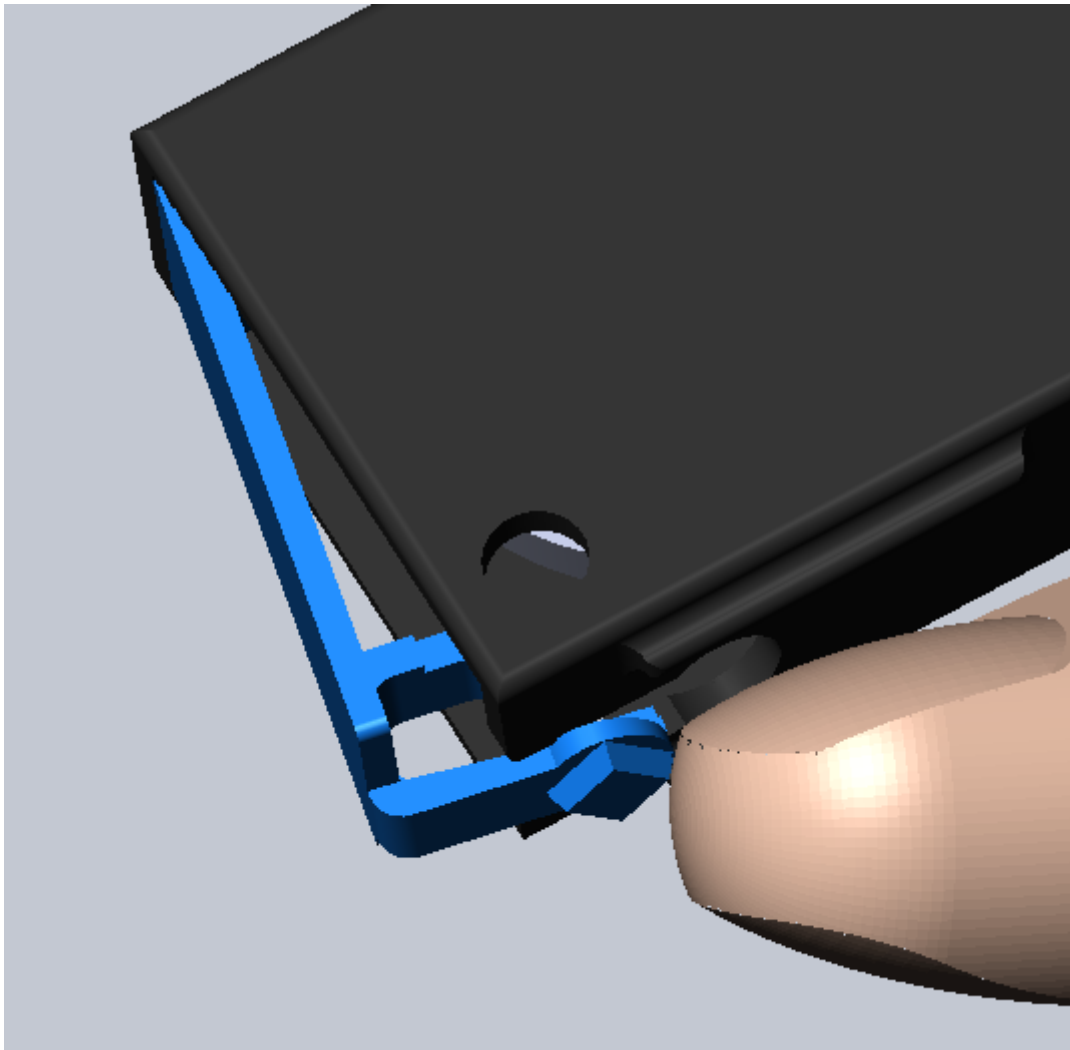
Possible mounting options:

- On the risers;
- On the back side of the helmet;
- Inside the helmet;
- On the shoulder strap of the harness;

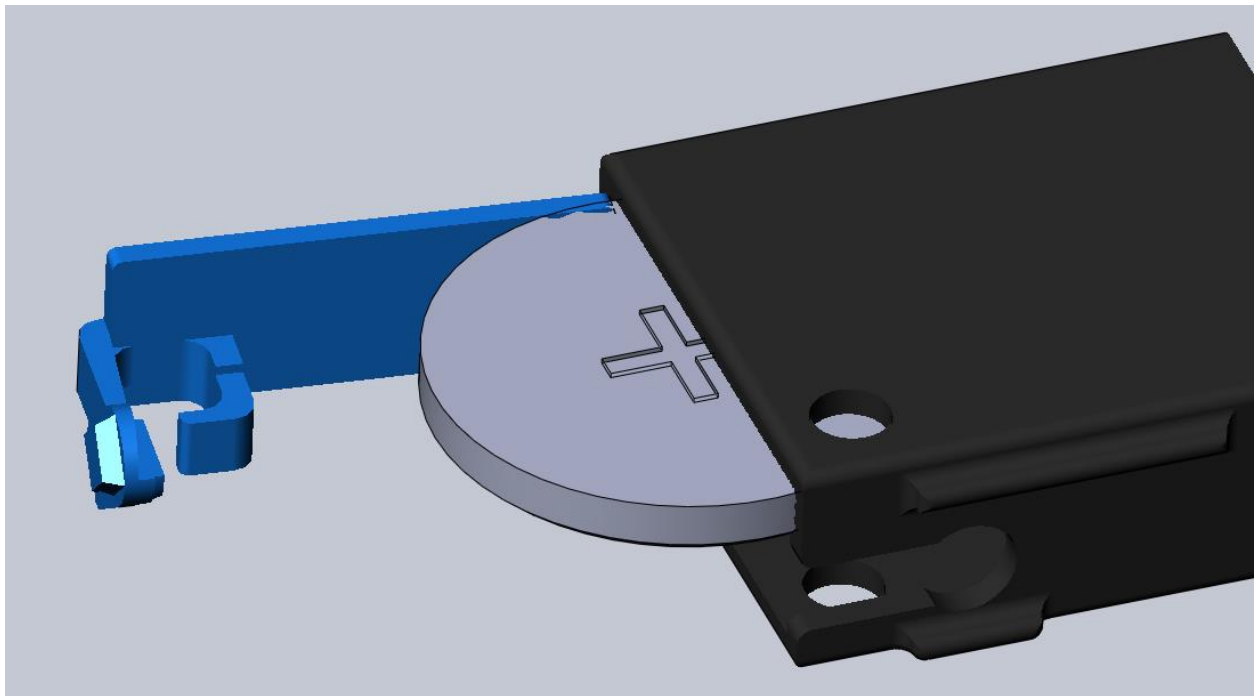
The design provides an opening for fastening a safety cord.

### First start

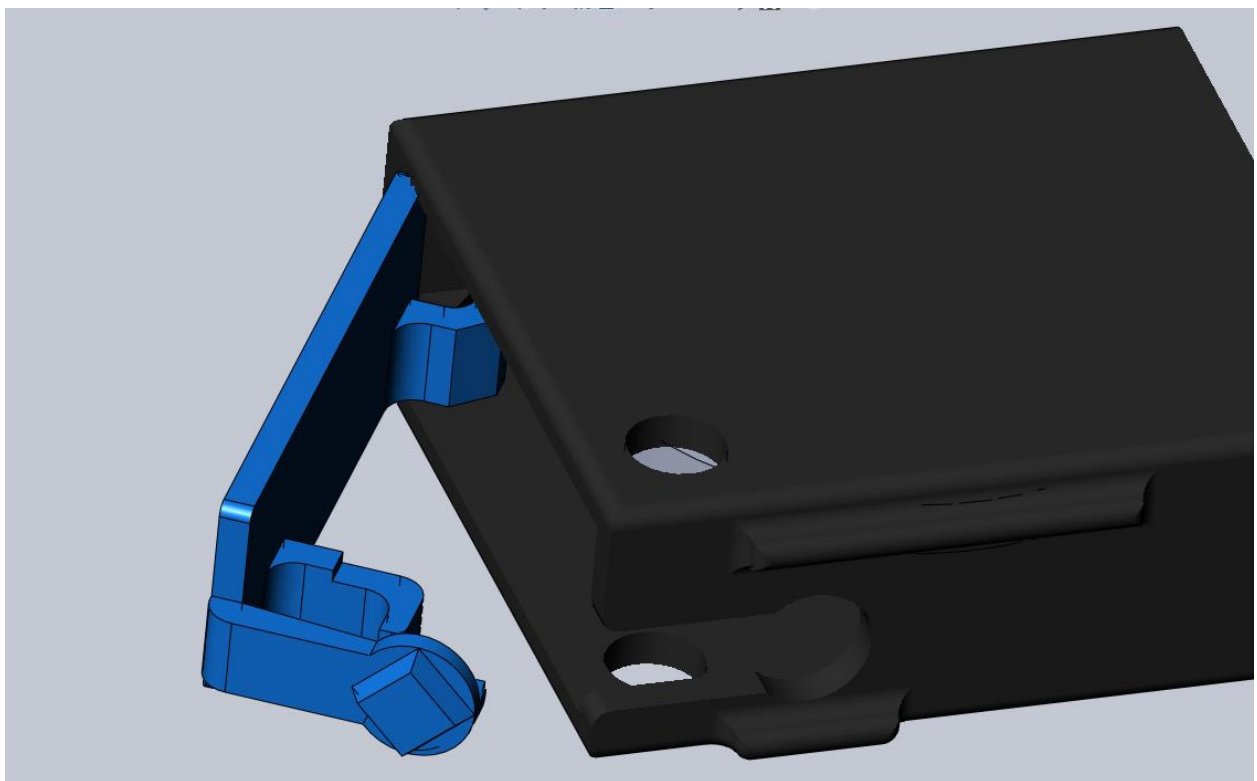
Open the cap with a fingernail.



Make sure the button is on the right. Install the CR 2032 battery plus outside close to the upper wall of the housing, minus to the board. Important! The device does not have protection against power reversal.



Install the cap back. Use the button as latch.



Safe the cap and device by safety cord through the hole.

When replacing the battery, the simulation of the change in rate of climb from 0 to 10 m/s is played once. The device is turned on by a single short press of a button (hereinafter – Click). The device begins to track the change in pressure. **If the altitude changes by more than 2 meters, the sonic variometer is activated.** Thus, the device does not distract you at the start and begins to work in the air.

## Settings

The control and settings – one button. Contact closing without fixing.

When turned on, the device emits a series of short beeps, the number of which can be used to roughly judge the size of the remaining battery capacity. The fewer signals, the less charge remained. The new battery gives about 6 short signals. The smaller the charge, the longer the signals become, their tone decreases.

Using the button, you can perform the following actions:

|                              |   |
|------------------------------|---|
| Turning on                   | Click   |
| Power off                    | Click and hold 2 seconds  |
| Setup on lift                | Enabled -> Click and hold for 4 seconds -><br>x2 = + 20 cm/s;<br>x3 = + 30 cm/s;<br>x4 = + 40 cm/s;<br>x5 = + 50 cm/s<br>-> Click and hold for 2 seconds.                                     |
| Setting on reduction         | Off -> Click and hold for 4 seconds -><br>x1 = off;<br>x2 = -1 m/s;<br>x3 = -1.5 m/s;<br>x4 = -2 m/s;<br>x5 = -2.5 m/s;<br>x6 = -3 m/s;<br>x7 = -3.5 m/s;<br>-> Click and hold for 2 seconds. |
| Volume                       | A short click changes the volume in a circle (3 levels)   |
| On / Off Detector<br>“zeros” | Double Click  |

## Basic specifications:

- Sensitivity:  $\pm 20$  cm;
- Delay at the beginning of the rise +20 cm/s:  $\sim 1$  sec, +2 m/s:  $< 0.5$  sec;
- Delay at the end of the rise + 20 cm/s:  $< 1$  sec;
- Adjustable lift threshold: +20 cm/s, +30 cm/s, +40 cm/s, +50 cm/s;
- Detector “zeroes” -10  $\div$  threshold to rise, cm / s;
- Adjustable threshold for reduction: off, -1 m/s, -1.5 m/s, -2 m/s, -2.5 m/s, -3 m/s, -3.5 m/s;
- Auto power off timer: 8 hours;
- Power 2  $\div$  3.6 V: holder for a standard 3V lithium battery CR 2032;
- Sound indication of battery charge level;
- Consumption: 1.5 mA at 3V in active mode and 0.2  $\mu$ A in the off mode;
- Operating time: about 100 hours with one CR 2032 in active mode and 10+ years in the off mode;
- Dimensions: 30x22x10mm;
- Weight: 8 gr. with CR2032 battery.

## Storage

Store in a dry place. Keep away from moisture.

## Contacts

For purchase and support, contact by e-mail: [info@alpisto.eu](mailto:info@alpisto.eu)

