Active V2 Transponders



The **V2** transponder series **has been discontinued in March 2023**. This document refers to this outdated transponder version. Details on the current V3 series can be found in the respective data sheet on our website.







Active V2 Transponder Features

- Three options

The ActivePro V2 and the MotorKart are high-end transponders with a 3D activation antenna, very high precision and a revolutionary tracking feature. The ActiveBasic is the cost-efficient alternative with 1D activation and less precision.

- Flexibility

All transponders can be used in the same race (for example ActivePro V2 for elite riders, ActiveBasic for amateurs).

- 3D activation antenna

The 3D activation antenna of the ActivePro V2 and MotorKart ensure reliable detection in any orientation.

- Precision

Because of the 3D antenna, the ActivePro V2 offers a true 1/100th second precision at speeds of up to 150km/h.

With a precision of up to 4/1,000th of a second at speeds of up to 250km/h, the MotorKart is the perfect solution for Motorsports. It comes with an Active Chip Holder, for an easy mount on vehicles.

- Long battery lifetime

The ActivePro and MotorKart can be set to deep sleep mode, which reduces the energy consumption and increases battery lifetime.

- Tracking

You can track participants live, without an additional GPS tracker. All you need is to activate tracking on the timing chips and set up Track Boxes along the course or on following vehicles.

- Ergonomic and robust

The plastic casing of all active transponders is robust and comfortable to wear thanks to its smooth edges. We have also improved our quality control, to ensure reliability to the highest standards.

- Immunity to interferences

Thanks to a better channel assessment process and a new dual-frequency transmission technique¹⁾, our latest versions of Active System and transponders are more immune to interferences from third-party devices using 2.4GHz channels.

- Fase of use

Our V2 Transponders make your life easier, especially in store mode: The Loop Box beeps and blinks for stored detections²⁾, you can place two loops very close to one another (e.g. for speed traps), and the overwrite logic ensures a cleverer storing of start detections.

¹⁾ Only on Loop Box v2 from firmware version 2.5 $\,$

²⁾ Only on Loop Box v2 from firmware version 2.4



>1,000G

1) At 30% loop power & 30 cm wide loop

Shock Resistance

- Expectation based on usage without Tracking +
 50% deep sleep
- 3) Whichever comes first
- 4) Battery consumption is cumulative, e.g. 50,000 passings & 1,000 Tracking hours exploit the guarantee.
- 5) Battery Warranty limited to temperatures above -10 $^{\circ}\text{C}$

| Active Transponder Tray | |
|-------------------------|---|
| Dimensions | 522 x 297 x 12mm |
| Weight | approx. 1kg (including 50 transponders) |
| Material | 4mm rugged PE (UV stabilized) |
| Features | Stackable, with numbering 1-50 / 51-100 |

| Active Chip Holder | |
|--------------------|---|
| Dimensions | 50 x 58 x 20mm |
| Weight | 14g (incl. 3 O-rings) |
| Material | High-impact resistant plastic |
| Compatible with | Active Basic, Active Pro, MotorKart |
| Contents | Active Chip Holder, 3 O-rings |
| Feature | Can be mounted on plain surfaces or tubes |

