



TrackR2: Gyroscopic Head Tracker

Responsive, Low-Drift, great Pedigree...

Major update to the most popular FPV HeadTracker

Built upon the enormous success of the TrackR1, the TrackR2 adds a professional molded enclosure, anti-drift, and support for safe FPV flight in a student/trainer configuration.

LCD Headset Power

The TrackR2 includes a super-quiet switching regulator, and a conveniently mounted power jack, which supports directly powering the Fat-Shark RCV922 headset from R/C Tx power (for supported radios).

Safety, via Student/Trainer Mode

Several modeling federations are starting to awake to the fact that FPV is here to stay. One of the requirements for FPV flight at sanctioned fields (in France for example) is a student/trainer mode, allowing a 'spotter' to take over control of the plane at any time.

The TrackR2 supports this with its Student/Trainer mode, where a student, flying FPV, can be equipped with the head-tracker. The TrackR2 combines the student radio signal with the gyro servo positions, and passes it on to the trainer (master) Tx.

Compatibility

At launch, the TrackR2 will support high-end Futaba radios (7C/9C, etc.) for the master/trainer Tx, and low-end Futaba radios (4 channel, etc.) for the student Tx. As further testing is performed, the matrix of suitable student/trainer radios will be published.

Certain lower-end radios, which provide independent PPM In/Out signals (older 6 channel futabas for example), are also compatible with the TrackR2, either in stand-alone, or student-trainer mode.

Availability

The TrackR2 will be available shortly from online hobby-stores, and other selected hobby outlets.

- Very Responsive 2-axis Gyroscopic Head Tracker
- +/- 500 degrees/sec detection rate
- No need to face North while flying! (as is required for Magnetic Head Trackers)
- Custom molded enclosure, strain reliefs on all cable entry points
- Standard 4-pin Mini-Din connectors for Student/Trainer radio connection.
- Adaptor cables for link to transmitter.
- Automatic detection of a student radio.
- Automatic PPM input polarity detect.
- Supplied with custom plastic bracket, ideal for mounting the TrackR2 gyro module to headsets with a headband (Fat-Shark RCV922 for example)
- User-definable parameters include:
 - Gyro Channel for Pan/Tilt
 - Pan/Tilt Gains
 - Pan/Tilt Anti-drift
 - Servo centering
 - Servo limits
 - PPM output polarity
- Power Requirements: 8.0-20v DC, 20mA (without headset power), ~400mA (with RCV922 power)