

FiFa compliant match ball with wireless sensors

FiFa compliant match ball

Sensors, tracking radar and bluetooth at the center of the world first FiFa compliant match ball. Including the latest motion capture technology. Data communication via uwb and bluetooth.

Key items:

- Bluetooth range up to 100m^{LOS}
- 40 hrs active/charge, standby >2year
- Bluetooth 5.0 & 4.2
- Firmware upgrade over the air (AES security)
- User pincode and secure pairing to a phone
- UWB 3D tracking range up to 150m^{LOS}
- Highscore player benchmarking worldwide
- Dataanalysis & 3D progression tracking for mobile



AIRTLS magnet-USB connector, charge cable included 500mAh LiPo battery

Options

- White labelled

Technical specifications:

- Pressure sensor: 0-2bar, 0.025 resolution
- 3D accelerometer: 0-32G range at 0.24mg/bit
- 3D compass: 3 degree accuracy
- 3D gyroscope: +/- 0 to 4000 degrees/second
- IMU inertial measuring unit; 2kHz samples rate, data output: 200Hz;
- System latency: 80ms

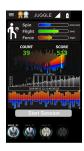
V 1.0







Mobile & PC application: Android, win10, iOS





Dimensions, weight
Operational temperature
Accu
Size 5, 430g
0 to +70 °C
500 mAh
UWB 3-7GHz
Bluetooth 5.0 2.4GHz

mail info@airtls.com

^{1:} Accuracy range from sub cm accurate in line of sight (LOS) condition in calibrated environement to sub decimeter accuracy for indoor and outdoor sportsfields.