

FiFa compliant match ball with wireless sensors

World first FiFa compliant match ball

Factsheet

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	Size 5, 430g
Operational temperature	0 to +70 °C
Accu	500 mAh
Radio	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 environment to sub decimeter accuracy for indoor and outdoor sportsfields.