

# 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<sup>LOS</sup>
- 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<sup>LOS</sup>
- Highscore player benchmarking worldwide
- Dataanalysis & 3D progression tracking for mobile

### Options

- White labelled

### Technical specifications:

- Pressure sensor: 0-2bar, 0.025 resolution
- 3D accelerometer: 0-32G at 0.24mG/bit full range
- 3D compass: 3 degree accuracy
- 3D gyroscope: +/- 0 to 4000 degrees/second
- IMU inertial measuring unit; 8kHz sample rate, data output: 200Hz, impact detection 1ms
- Position update rate; 50 or 150 Hz mode
- Sensor weight: 3 gram
- System latency: 80ms



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

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

<sup>1</sup>: Accuracy range from sub cm accurate in line of sight (LOS) condition in calibrated environment to sub decimeter accuracy for indoor and outdoor sportsfields.