

BITalino Plugged Kit Data Sheet

SPECIFICATIONS

- > **Sampling Rate:** 1, 10, 100 or 1000Hz
- > **Analog Ports:** 4 in (10-bit) + 2 in (6-bit)
- > **Digital Ports:** 4 in (1-bit) + 4 out (1-bit)
- > **Communication:** Bluetooth 2.0+EDR
- > **Range:** up to ~10m (in line of sight)
- > **Sensors:** EMG; ECG; EDA; ACC; LUX
- > **Actuators:** LED
- > **Battery:** 500mA 3.7V LiPo (rechargeable)
- > **Consumption:** ~65mA (everything active)
- > **Accessories:** 3-lead cable (EMG/ECG); 2-lead cable (ECG/EDA); RJ22-Molex Sherlock sensor cable (1m); 5 electrodes

FEATURES

- > Perfect for exploratory research
- > Connect multiple sensors of same type
- > Raw data acquisition
- > Battery charger
- > Easy-to-use
- > Affordable

APPLICATIONS

- > Psychophysiology
- > Biomedical projects
- > Computer science
- > Electrical engineering
- > Human-Computer Interaction
- > Robotics & Cybernetics
- > Physiology studies
- > Biomechanics
- > Biofeedback

GENERAL DESCRIPTION

The all-terrain BITalino Plugged kit has the data acquisition components bundled as a main board (the BITalino Core), and the sensors provided as separate components. RJ22 sockets on the main board and 4-pin Molex Sherlock sockets on the sensor boards provide plug & play connectivity of both BITalino or third party accessories to the analog and digital ports. Our cross-platform OpenSignals software enables instant data visualization and recording.

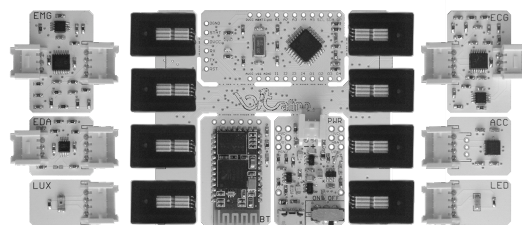


Fig. 1. For greater versatility, sensors are separated from the main board (BITalino Core) and connected by cable.



Fig. 2. BITalino or third party sensors can be connected by cable to the main board in any user-defined configuration.



Fig. 3. Parts and accessories included in the kit.

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BEWARE: DIRECT OR INDIRECT COUPLING TO THE MAINS MAY RESULT IN SHOCKING HAZARD

