BITalino (r)evolution Plugged Kit Data Sheet

SPECIFICATIONS
> Sampling Rate: 1, 10, 100 or 1000Hz
> Analog Ports: 4 in (10-bit) + 2 in (6-bit)
  + 1 auxiliary in (battery) + 1 out (8-bit)
> Digital Ports: 2 in (1-bit) + 2 out (1-bit)
> Communication: Bluetooth or BLE
> Range: up to ~10m (in line of sight)
> Sensors: EMG; ECG; EDA; EEG; ACC; LUX; BTN
> Actuators: LED; BUZ
> Size: 100x65x6mm
> Battery: 500mA 3.7V LiPo (rech.)
> Consumption: ~65mA
> Accessories: 1x 3-lead cable; 1x 2-lead cable; 1x UC-E6 to UC-E6 sensor cable; 5x Electrodes; 1x ProtoBIT

FEATURES
> Perfect for exploratory research
> Plug & play blocks
> Raw data acquisition
> On-board battery charger
> Easy-to-use
> Affordable

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

GENERAL DESCRIPTION
The all-terrain BITalino (r)evolution Plugged kits provide the blocks as a main board (the BITalino Core) with sensors / actuators being separate components. UC-E6 sockets on the Core and sensor boards provide plug & play connection (by cable) of BITalino or third party blocks to the analog and digital ports. Our cross-platform OpenSignals software enables instant data visualization and recording.

Fig. 1. Plug & play sensors separated from the main board (BITalino Core) and connected by cable provide maximum versatility; available with Bluetooth (Fig. 4) or BLE (Fig. 5).

Fig. 2. BITalino or third party sensors can be connected by cable to the main board in any user-defined configuration (all the enclosures shown in the image are optional accessories).

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

BEWARE: DIRECT OR INDIRECT COUPLING TO THE MAINS MAY RESULT IN SHOCKING HAZARD
Fig. 4. BITalino (r)evolution Plugged with Bluetooth connectivity.

Fig. 5. BITalino (r)evolution Plugged with BLE connectivity.
PACKAGING

Fig. 6. BITalino (r)evolution Plugged kits ship in a convenient eco-friendly packaging that can double as an enclosure.

ORDERING GUIDE

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>KIT-REV-PLUGGED-BT-UCE6</td>
<td>BITalino (r)evolution Plugged kit with Bluetooth connectivity and UC-E6 connectors</td>
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<tr>
<td>KIT-REV-PLUGGED-BLE-UCE6</td>
<td>BITalino (r)evolution Plugged kit with BLE connectivity and UC-E6 connectors</td>
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