

BIOPOT2

INTRODUCING

BIOPOT2

**FASTER, LONGER-LASTING WIRELESS
EEG/EMG RECORDING BIOPOTENTIAL**

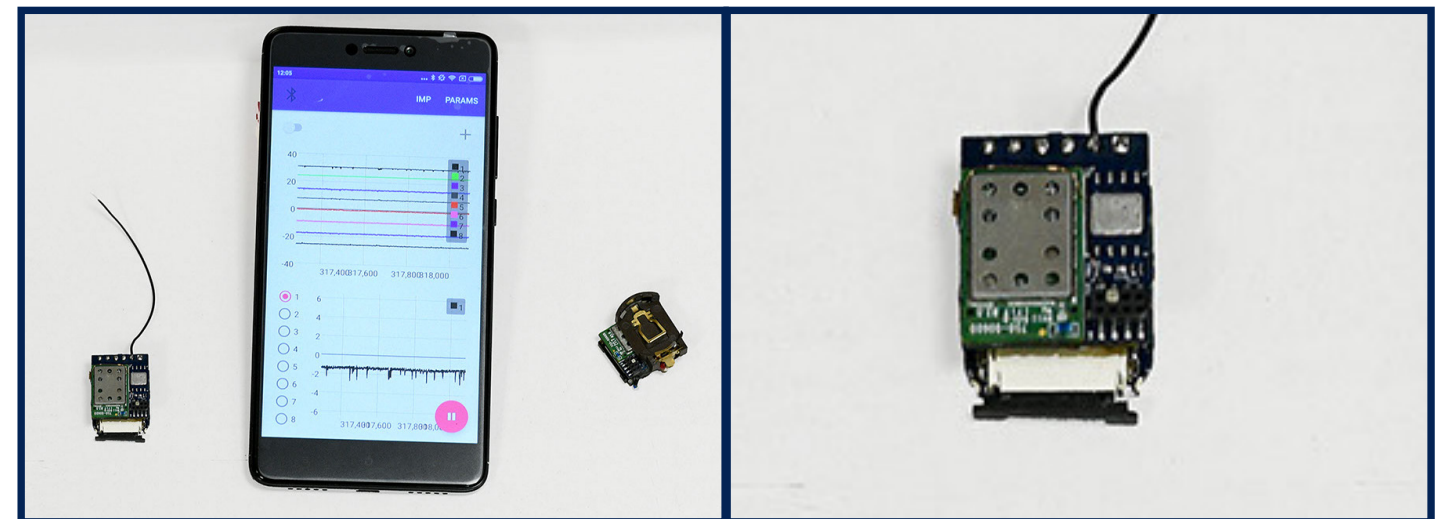
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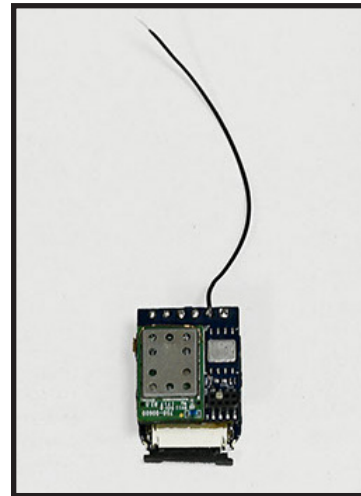
Ultra-Low Power BLE 5.0, Small sized (low profile) EEG/EMG recording biopotential with 8/16 channels, at superior over-the-air data transfer all with low consumption for wearable devices.

DISCOVER THE LATEST IN BIOPOTENTIAL MONITORING...

BioPot v2 Advantages:

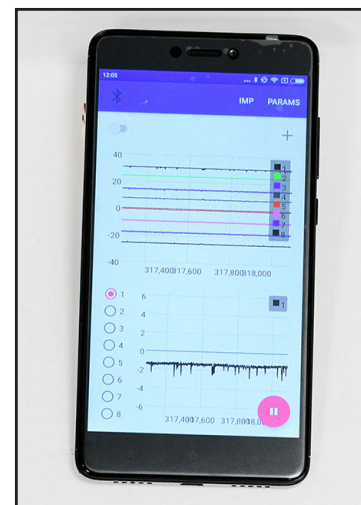
The Device:

- ✓ Small size & low profile
- ✓ On-board memory buffer preventing data loss during RF blind spots
- ✓ Monitor biopotential activity for days with prolonged battery life due to ultralow power requirements. Battery specifications can be customized to your needs.
- ✓ Head mounted for EEG or EMG facial muscles
- ✓ Customized packaging as a patch device for application at different body parts
- ✓ 8 or 16 channels connector, customized according to your needs



The Technology:

- ✓ Wirelessly transmit data to your smart phone using the latest Bluetooth low energy 4.2 or Bluetooth low energy 5.0.
- ✓ Works with Windows, Linux, Android, iOS or any host system that supports Bluetooth low energy including
- ✓ Write your own apps with our SDK for Windows and Android and use it as an OEM business model device.
- ✓ Customize it to your needs: The Senso Medical Team will work with you to explore the options that work best for your project.
- ✓ Easily upgradable to your needs with additional sensing modalities such as accelerometers, bioimpedance and temperature



The **Senso Medical BioPot V2** is a platform for 8/16 channels biopotential monitoring, exceeding current market availability.

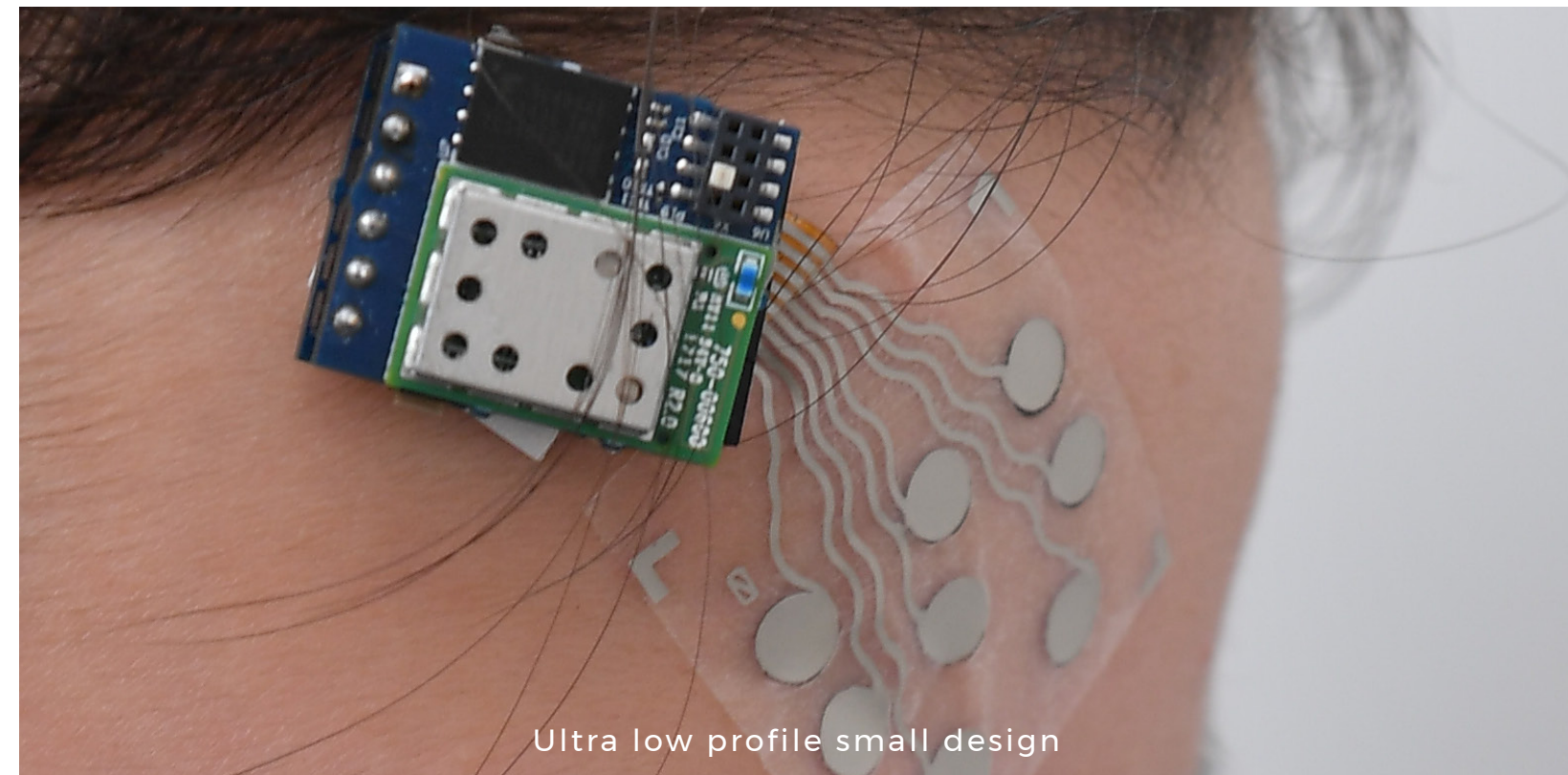
It is specifically targeted towards **EEG/EMG recordings**, utilizing an ultra-low-power device powered by rechargeable button cell battery, through a **Bluetooth Low Energy (BLE) 4.2 and 5.0 protocol** to connect to the host. It is capable of **continuous and prolonged (over 10 hours) recording** of 8 or 16 channel biopotential (EMG/EEG/ECG) signals.

Bluetooth V4.2/5 superior specifications allow for a higher over-the-air data transfer with low power consumption, **monitoring eight channels of raw EMG data at 500 Samples (Android) and up to 2,000 Samples (Windows) per second**. The wireless setup allows for the continuous upload of data to cloud storage for remote monitoring and advanced data processing.

BIOPOT2 comes with an on **board memory buffer** that **prevents data loss** during RF blind spots.

C#, LabVIEW and Android studio example projects are available.

LabVIEW driver available for LabVIEW application development.



Can be hosted on any system that can access Bluetooth low energy: Windows, Linux, Android, iOS.

