



Performance. Mobility. Flexibility.

Mentalab **Explore** was designed around three core principles.
The result: experimental **freedom**.

High **Performance**

- 4 or 8 ExG input channels
- Accelerometer, gyroscope & magnetometer sensors
- True-DC ExG with 24-bit resolution ($0.1\mu\text{V}/\text{bit}$)
- $\pm 400\text{mV}$ operating range
- $1\text{G}\Omega$ input impedance
- $< 2.5\mu\text{Vpp}$ input referred noise

Exceptionally **Mobile**

- $4\times 4\times 2\text{cm}$; only 27g
- Wireless data via Bluetooth ($> 10\text{m}$ range)
- Optional internal flash memory
- Battery life: 8h streaming, 12h offline recording



Fully **Flexible**

- Configurable ExG sampling rates: 250, 500 or 1000Hz
- Modular design: flexible positioning, wet/dry/custom electrodes
- Real-time visualization, recording, conversion & device configuration
- Open-source APIs in Python, Java, C++ and MATLAB
- Full integration with ADI LabChart Lightning, LSL & more

Mentalab Explore's ultra mobile design promotes true **freedom of movement**.
Data can be streamed live via **Bluetooth** or recorded to an internal memory card.
Open source APIs integrate all device functionality with countless applications,
including LSL.

Visit mentalab.com or email us
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