

Attys Press Release

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PRESS RELEASE

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Attys

We are pleased to announce the launch of Attys, the open source wearable bluetooth data acquisition device (DAQ) by Glasgow Neuro LTD:

Attys is an open source wearable data acquisition device with a special focus on biomedical signals such as heart activity (ECG), muscle activity (EMG) and brain activity (EEG). In contrast to many neurogadgets, the Attys transmits the data as it's being recorded at its sensors without any compression or pre-filtering and at its full precision of 24 bits to a mobile phone, tablet or PC. This guarantees maximum possible openness so that the raw data can be published alongside the processed data, as required now by many research councils.

Attys is also an excellent educational tool to measure any physical quantity such as temperature, pressure or light intensity. It works seamlessly with Google's Science Journal and turns every Android phone or tablet into an electronic lab book / oscilloscope.

All software for the Attys is open source which includes the firmware of the Attys.

The story of the Attys started four years ago, when Dr. Bernd Porr filmed numerous YouTube clips to educate the public about the possibilities and limits of biosignal measurement (<http://biosignals.berndporr.me.uk>). Too often, brain activity in popular science reports had been sold as muscle activity, and he felt the need to educate the

public and journalists to allow them to make informed decisions. In these clips he showed step by step how to build a bioamplifier, and then demonstrated how to measure ECG, EMG and EEG with his long time collaborators, and how to distinguish between artefacts and signals. The site has been very popular ever since and visitors have been asking if a ready made bio-amp could be made available. This year Dr. Porr then decided to make one. This was the birth of Attys.