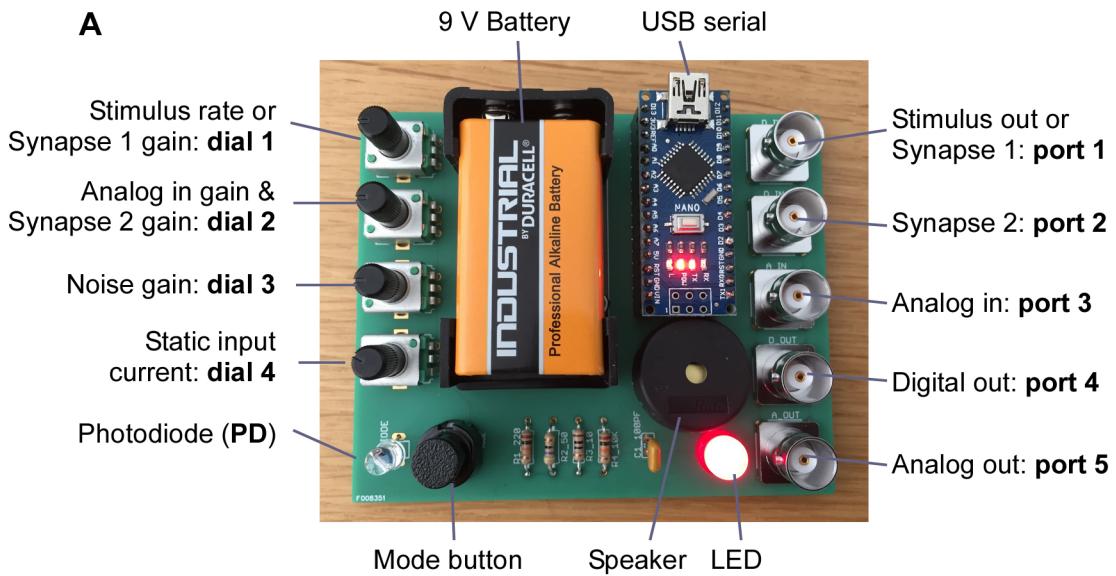
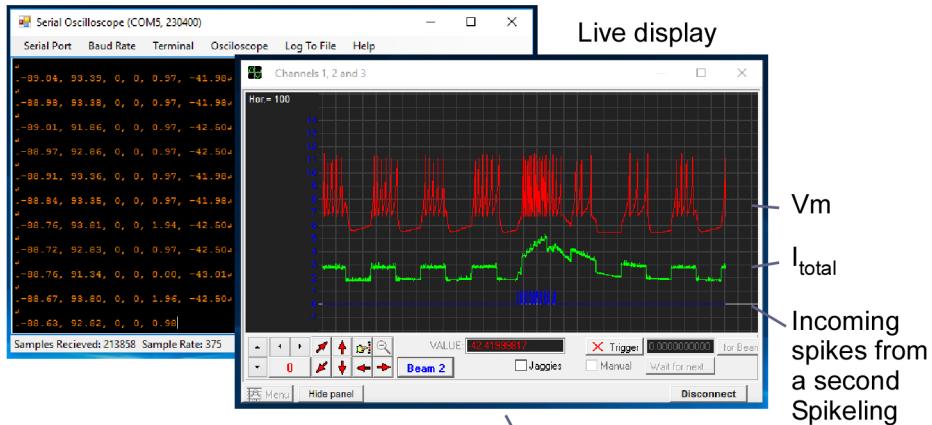


Figure 1 - Basic Hardware and Software

A



B



C

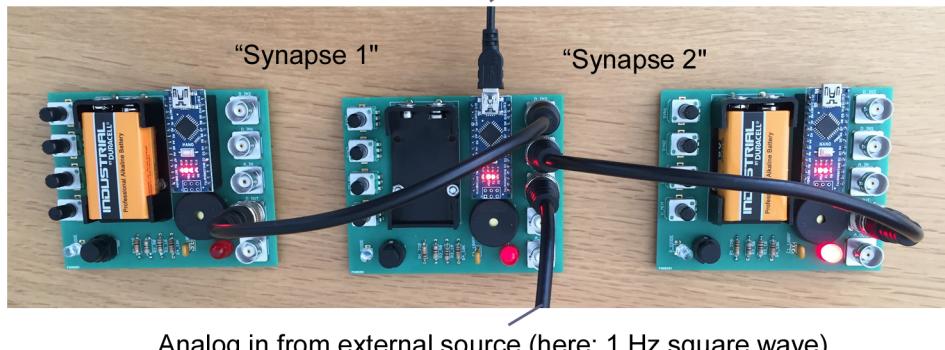


Figure 2 - Manual Exploration of Spikeling Functions

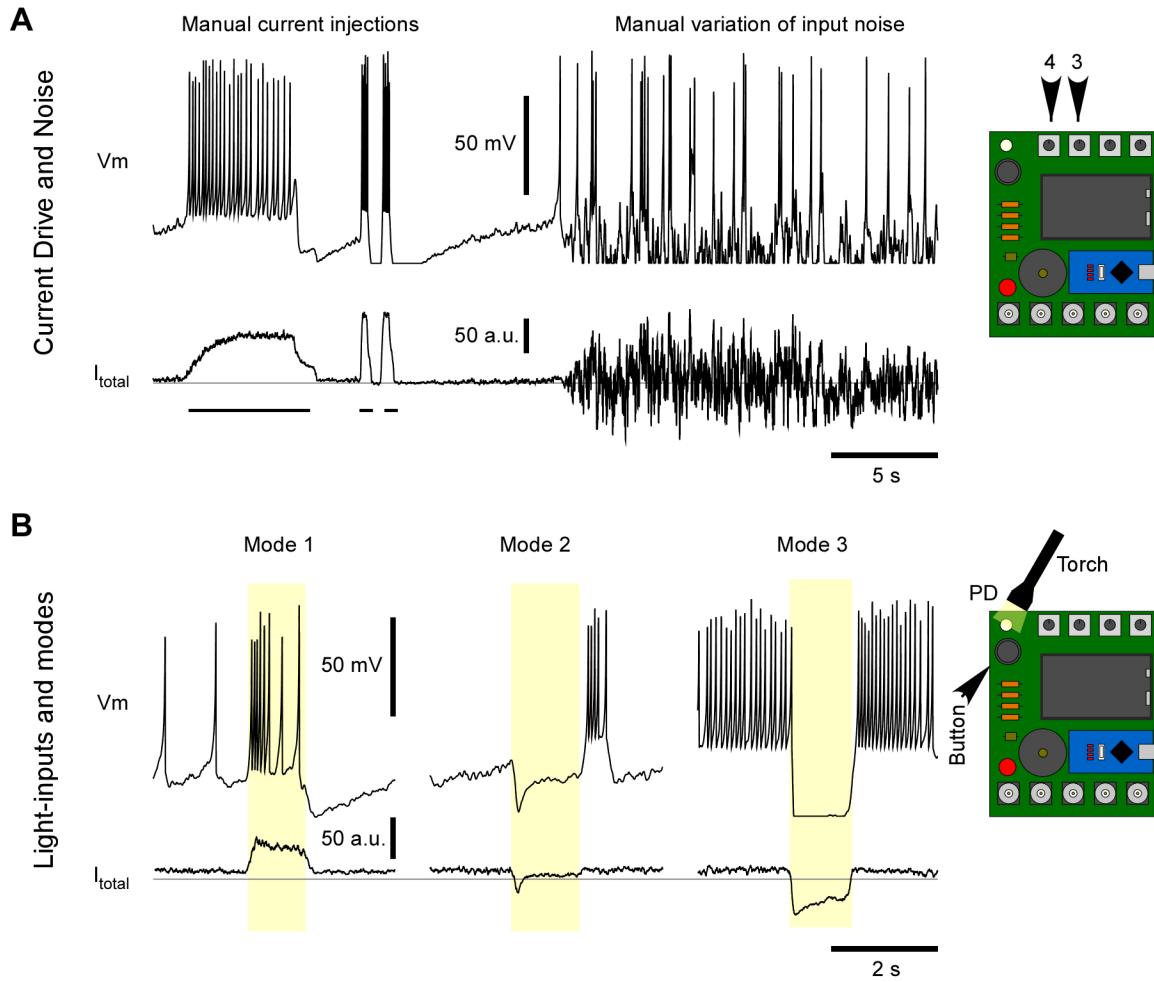
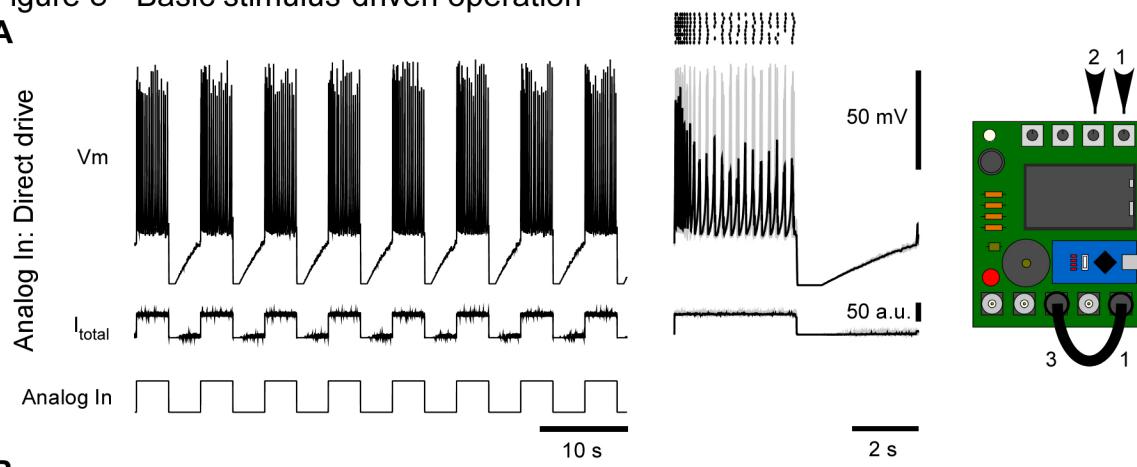
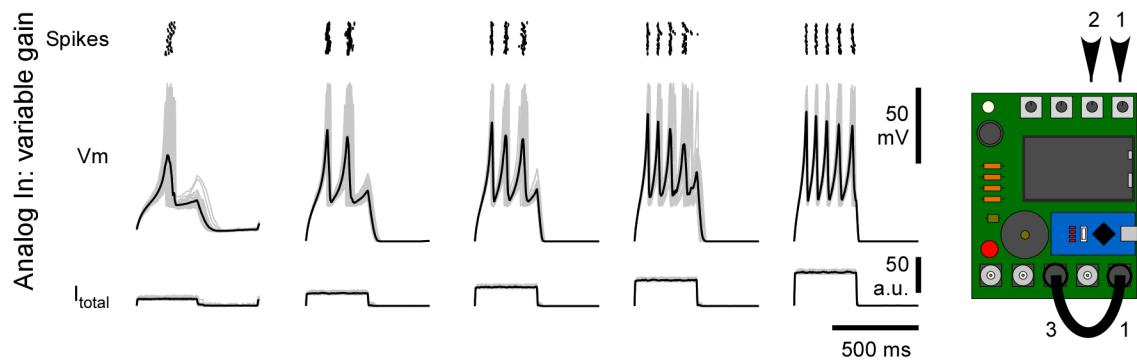


Figure 3 - Basic stimulus-driven operation

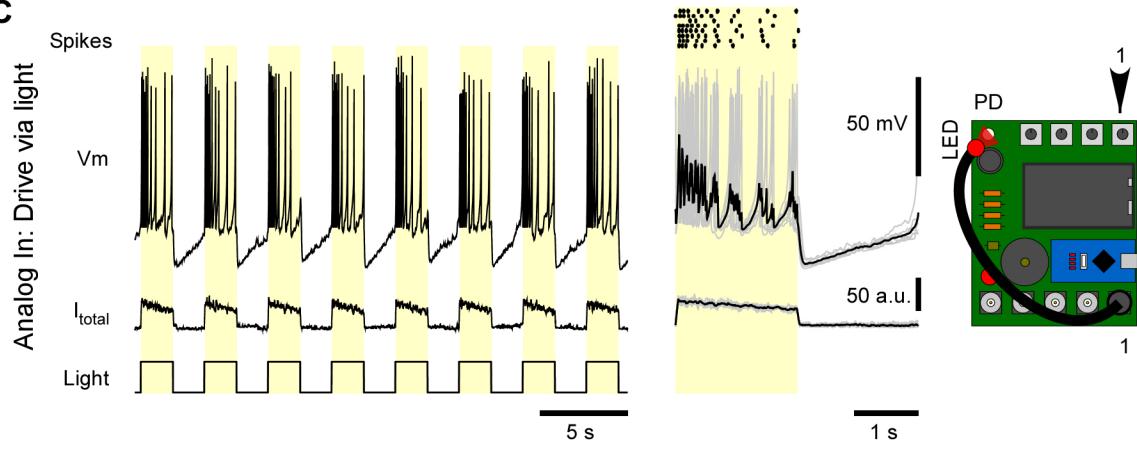
A



B



C



D

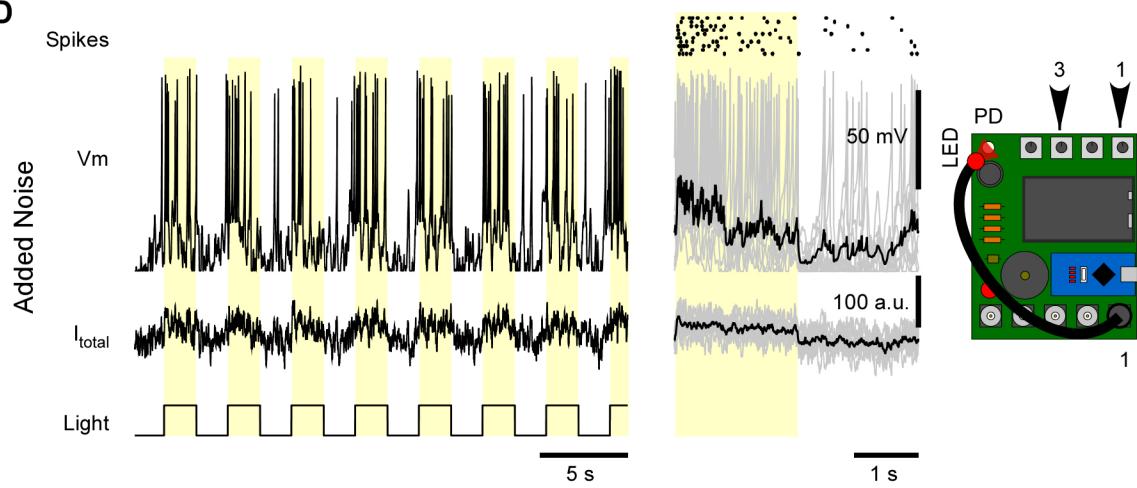
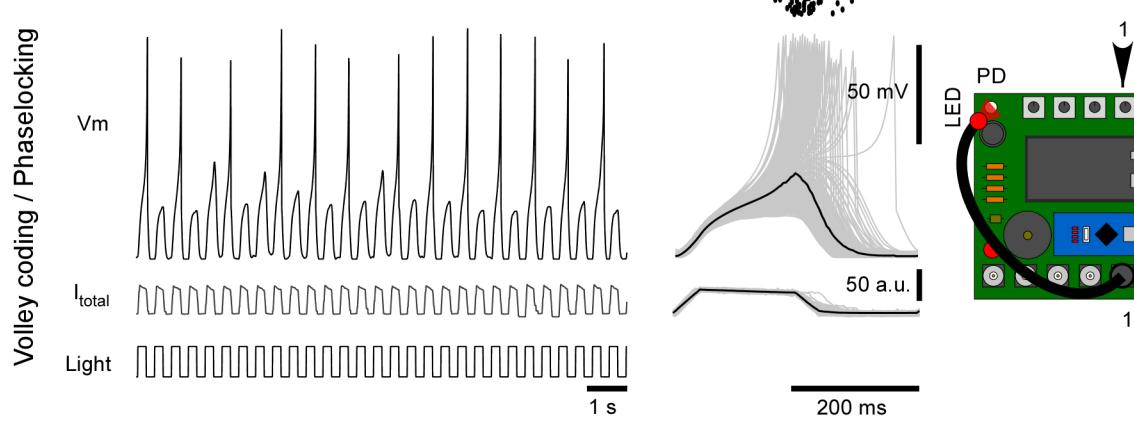


Figure 4 - Volley coding and stochastic resonance

A



B

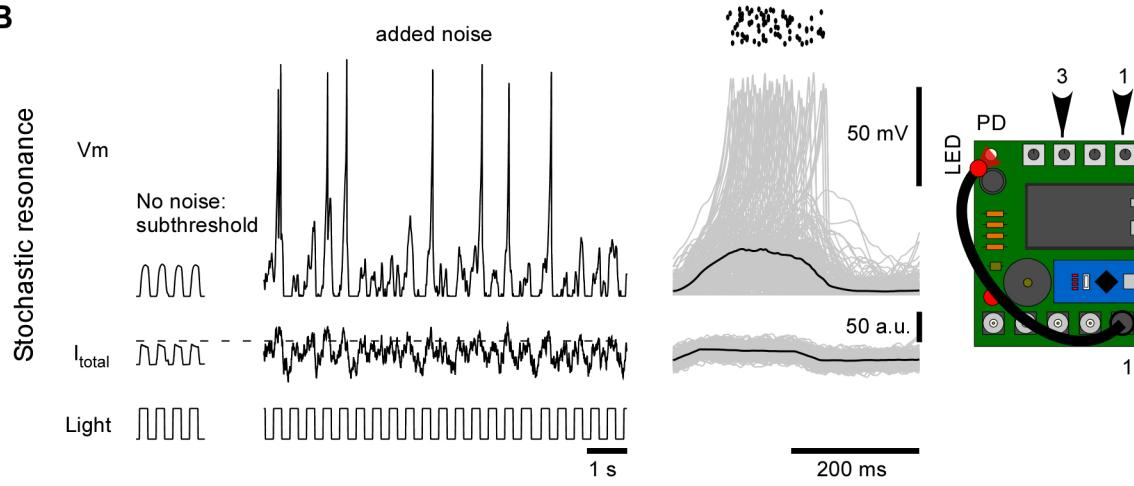
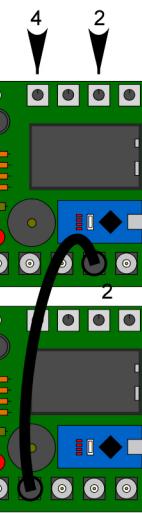
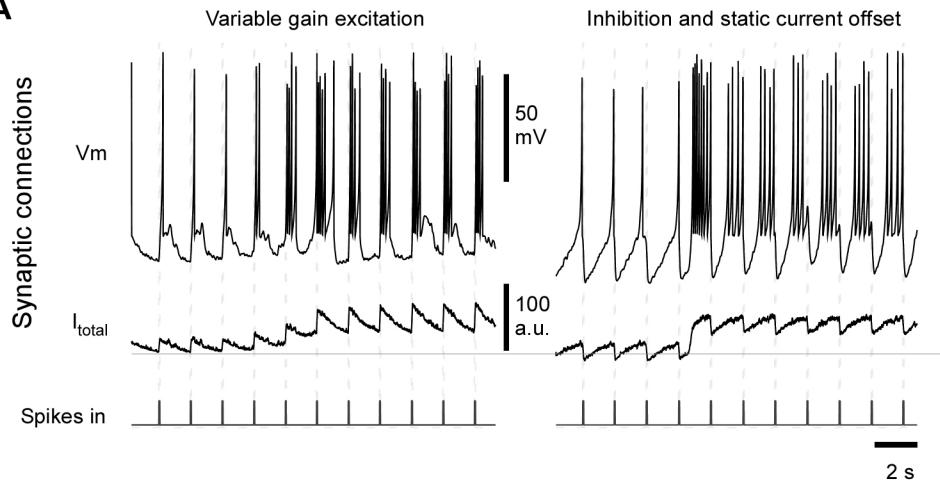


Figure 5 - Synaptic Networks

A



B

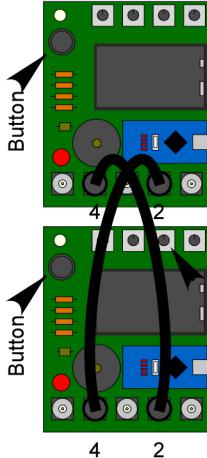
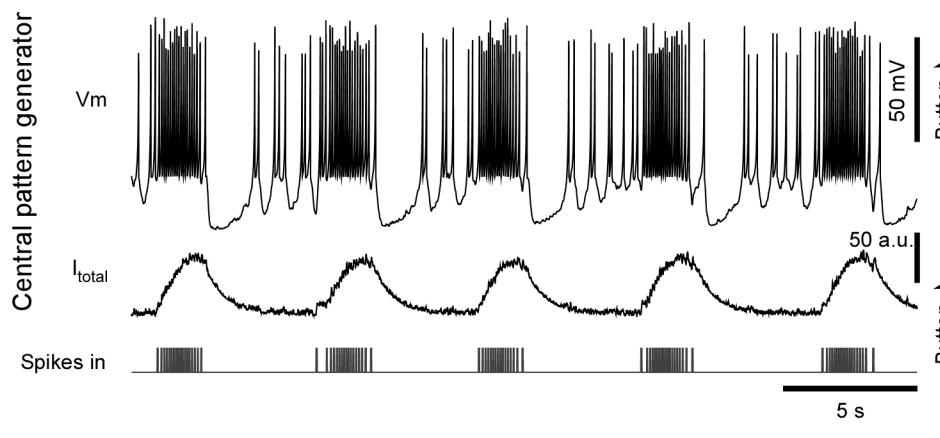


Figure 6 - Estimating linear filters by reverse correlation

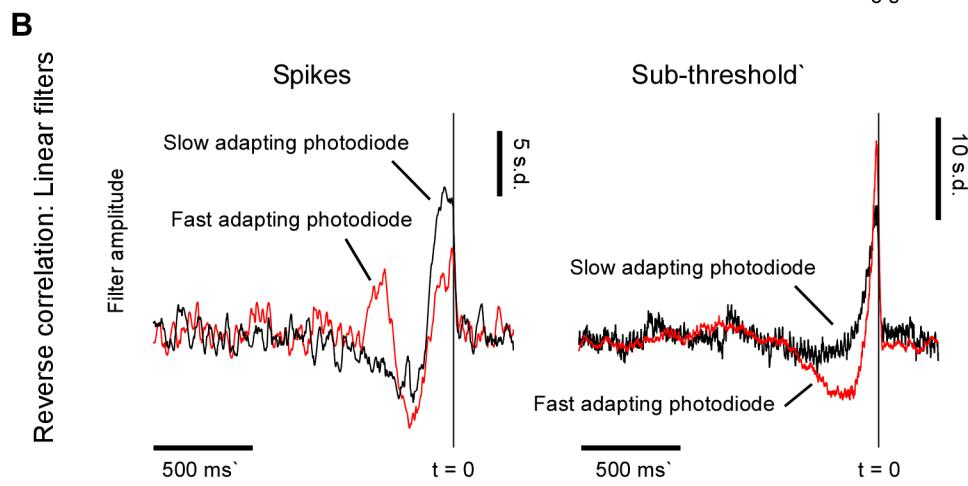
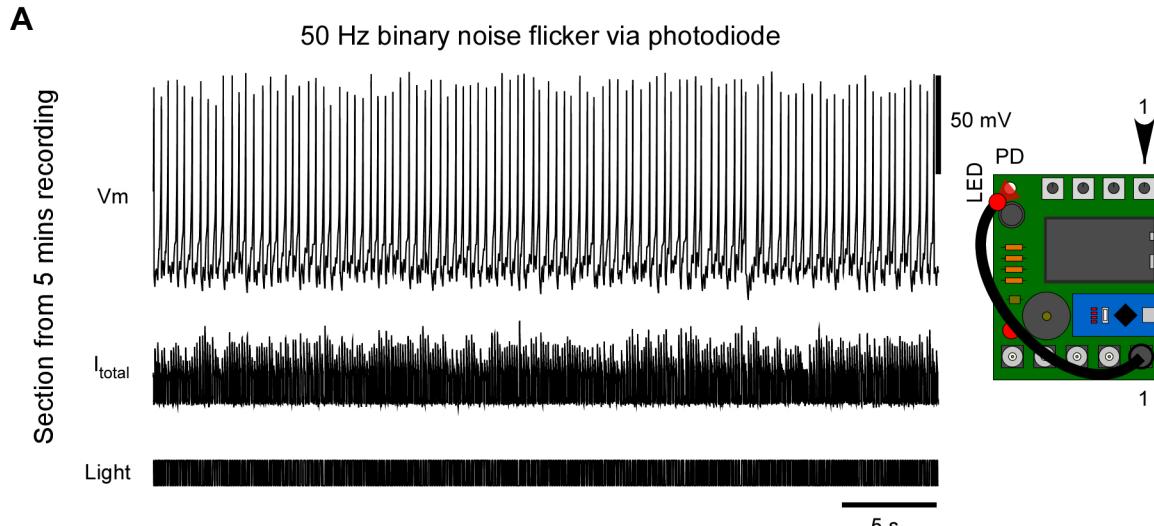
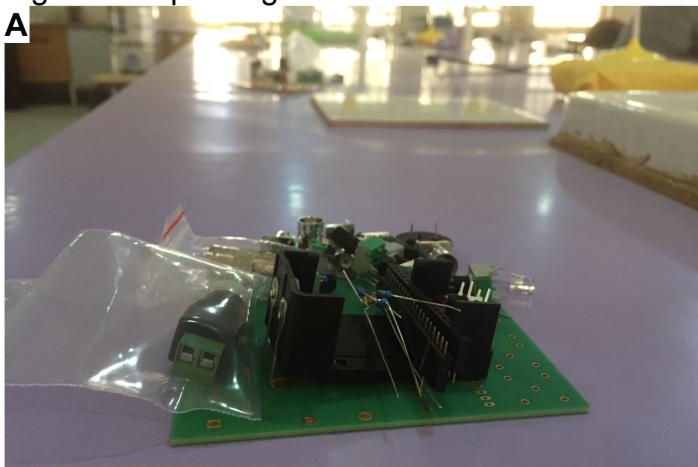


Figure 7 - Spikeling in the classroom

A



B



C



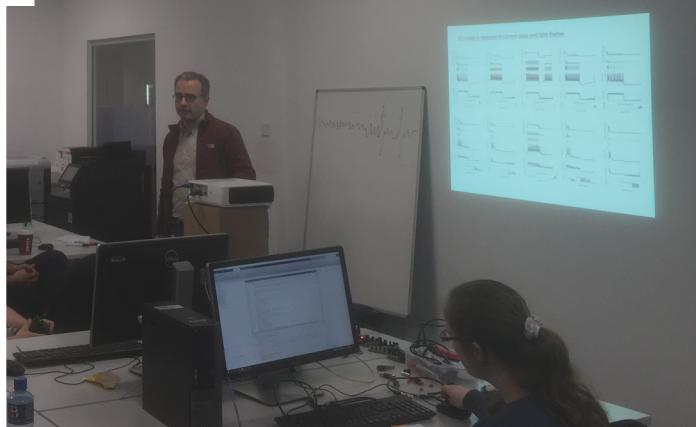
D



F



G



Supplementary Fig 1 - Mode Overview

