

# Teachers' Guide 1:

## *Neurosky MindWave Mobile II and Sichiray*

**An intro:** This document contains some useful setup tips and troubleshooting help.

**Warning:** Is often time consuming to set up a headset to a device. It can take 20-30 minutes. We suggest you link a headset to one device. Once it's set up there's no more work.

- The NeuroSky Mindwave Mobile II operates using Bluetooth and can be used for both Macs, PCs, phones and tablets.
- The NeuroSky Sichiray operates with the included USB dongle and **ONLY works with PC.**

Both types need you to download the apps and 'ThinkGear Connector' from NeuroSky. Be careful to choose either Mac or Windows from the dropdown menu.

The **ThinkGear Connector** can be downloaded from <https://store.neurosky.com/products/thinkgear-connector>

The **useful Apps** are downloadable (normally free) from <https://store.neurosky.com/collections/apps>

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- BrainWave Vizualiser 2.0
- MindWave Mobile Tutorial
- Speedmath
- If using the MindWave Mobile II with a tablet or phone, you'll need to download BrainWave Vizualiser for Android / iOS.

### **1. Use a good quality AAA battery**

We've found that cheap batteries only last a few hours while a good quality battery will last a month or more of regular use. Get the best you can and change the battery when connection becomes difficult.

### **2. The Software.**

This must be downloaded for free from Neurosky.

### **3. What is best – laptop or phone?**

We've found that laptops are best for classroom work as they can be easily used with a data projector or smartboard. For activities outlined on other documents, students will need their phones for recording times, taking photographs etc.

It is also hard for students to work in small groups when a phone is their main tool. A laptop can be viewed by many. However, the other apps that are available through Neurosky will mainly work on a smartphone or tablet. Students can also download for free the MindWave Mobile' starter software from the App Store or Google Play. Some apps are 'bundled' with others while others are separate.

The most valuable App for schools is the Brain Visualiser.

**For the Mindwave Mobile II, ensure Bluetooth is turned ON when working with a laptop, tablet or phone. Follow the instructions in the box to pair the headset with your laptop, tablet or phone.**

**For the Sichiray, you just need to plug the dongle into a USB port, turn on the headset and THEN open the program**

**IMPORTANT:** Always switch the headset on **before** you start the Mindwave software.

#### **4. Student group work**

Always keep the headset turned on and connected during a session. There is no need to turn it off and on every time a new student uses it. When measuring Theta waves using the 'Float' rising ball application, just click back to the 'Graph' to wipe the previous 'Float' record.

**Next ... Document 2: Understanding and Interpreting what you see.**