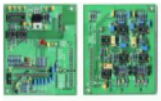
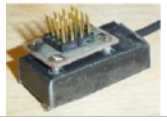
Brand	Model	Image	Channels	Price	Cons	Pros
Emotive	Insight 5		5	$299.99	Software isn't open source. No arduino connectivity. Devs dislike hacking	
	Epoc+		14	$799.99	Software isn't open source. No arduino connectivity. Devs dislike hacking	
OpenBCI	Ganglion		4	$199+ $349.99	headset extra cost	open source, arduino connection
	Cyton		8	$499+349.99	headset extra cost	open source, arduino connection
	Cyton+Daisy		16	$949.99+349 .99	headset extra cost	open source, arduino connection
Muse	Muse		4	$179.99	No "research support" yet	Cheap, hackable
Neurosky	Mindwave		1	$99.99	only one channel	Cheap
OpenEEG	ModularEEG		6	$200-400	Totally DIY	Totally DIY
	Active Electrodes		Na	Na	Connects to Modular EEG	No skin penetration
Necomimi	Necomimi		1	$49.99	Almost a novelty toy	Can be hacked via bluetooth slave, very cheap

Emotive

Mostly intended for gaming

EPOC

https://www.emotiv.com/epoc/
14 channels (+2 reference)
9 axis motion sensors (for removal of motion artifacts)
Saline electrodes (no gel)
Bluetooth connection
800 USD or 53640 INR

Insight
5 channels (+2 reference)
9 axis motion sensors
Long life semi-dry polymer electrodes
Bluetooth or custom wireless USB receiver

Hackability:

https://news.ycombinator.com/item?id=1687432

https://raphaelwimmer.wordpress.com/2010/09/13/emotiv-epoc-brain-computer-interface-cracked-open/

“We strongly oppose this kind of action. It violates the end user license and seriously threatens our viability.” - Emotiv

Bottom Line:

Not really hackable, company is making significant efforts to prevent it.

MUSE

http://www.choosemuse.com

Features:

http://developer.choosemuse.com/technical-specifications
Three axis accelerometer
4 channels (one reference)
“decent” output signal quality. For basic readings, it does the job.

Hackability:

Company encourages using it in novel ways
http://www.choosemuse.com/blog/3-hack-tacular-muse-modifications/

Seems to be the wearable to hack for a lot of people.

https://qz.com/900211/netflix-nflx-engineers-developed-a-hack-called-mindflix-with-a-muse-headband-that-turns-your-thoughts-into-a-remote-control/

Bottom Line:
Company is ambitious, open to new ideas. Seems like a lot of people have hacked it and turned it into something interesting. This includes music composition.

Neurosky

Mindwave
http://neurosky.com/biosensors/eeg-sensor/biosensors/

Features:
1 channel (earlobe reference)

Very basic sensor
Dry electrode
uroSky eSense
A/D
amplification off head detection
noise filtering for 50/60Hz powerline interference
runs on single AAA battery (6-8 hours use time)
wireless pairing (Bluetooth?)

Hackability:

Neurosky supports hacks on its website. It has a page dedicated to them. Furthermore, there are several tutorials available.

http://www.instructables.com/id/The-Modifying-Course-of-MindWave-RF-to-MindWave-BL/

Sparkfun has tutorial on it
https://learn.sparkfun.com/tutorials/hackers-in-residence---hacking-mindwave-mobile/all.pdf

https://hackaday.com/tag/neurosky/

https://www.hackster.io/neurosky/projects

https://hackaday.io/project/11146-train-your-brain-with-neurofeedback

http://www.frontiernerds.com/brain-hack

http://developer.neurosky.com/docs/doku.php?id=projects

https://learn.sparkfun.com/tutorials/hackers-in-residence---hacking-mindwave-mobile

Necomimi

https://store.necomimi.com/products/necomimi

Toy using neurosky's sensor. Easily hackable, but the cost is nearly half that of the mind wave.

Hackability:

http://www.instructables.com/id/Necomimi-bluetooth-EEG-data-hack/

https://forum.arduino.cc/index.php?topic=422997.0

https://www.hackster.io/lmetomi/use-the-force-or-your-brainwaves-9e839b

Bottom Line:

Mindwave is very hackable. Seems to be the go to choice for people who want cheap EEG hacking options. Maybe the data is not as clear as you might want, but its the most basic option available. Furthermore, the manufacturers seem to embrace the idea of hacking.

Necomimi is probably even more rudimentary, output-wise. However, it is half the price and hackable. At only around 3500 rupees, its by far the cheapest option.

OpenBCI

http://openbci.com

There isn't much to be said about this. Its clearly the most DIY option out there, and has lots of open source code that you can use, and has direct connections to arduino and other microcontrollers.

The readings are "research grade" according to the website, and several people recommend it in online forums.

An example of a project:

http://eeghacker.blogspot.com

OpenEEG

http://openeeg.sourceforge.net/doc/modeeg/modeeg.html

This is the DIY version. Basically its a bunch of schematics online to build your own EEG sensor. However, the cost of all the parts racks up quite quickly, and can exceed $200 depending on where you get it from.

Worth looking into as an option. However, it obviously demands significantly more time as you have to build and calibrate it, and its probably less useful than OpenBCI in the long run.

Extra Stuff

http://www.frontiernerds.com/brain-hack