

Materials List for:

The Bionic Clicker Mark I & II

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Materials

Name	Company	Catalog Number	Comments
For the Mark I			
Equipment			
Laptop			Any laptop with USB
USB B cable			From laptop to USB-B connection on Arduino
Soldering Station			
Solder			
Hot glue gun			
Hot glue gun glue			
Items			
Small Single-Core Multi-thread Wires			Black, Red, Yellow, Brown, Orange White, Blue,
Arduino MEGA 2560	Arduino	Arduino MEGA 2560	(Geniuno MEGA 2560 outside US)
E-Health Shield v2.0	Cooking Hacks	e-Health Sensor Shield V2.0 for Arduino, Raspberry Pi and Intel Galileo [Biometric / Medical Applications]	
EMG cables	Cooking Hacks	Electromyography Sensor (EMG) for e-Health Platform [Biometric / Medical Applications]	
EMG Electrodes	Sparkfun	SEN-12969	
9V battery			Any
Power cable			PP3 9v connector with jack
Bluefruit EZ-KEY HID	Adafruit	1535	
strip board	Amazon.co.uk	Small Stripboard 25 X 64mm Pack of 3	any similiar stripboard 2.54mm pitch 7x25
push button switch		COM-00097	
slide switch	amazon.com	20 Pcs On/Off/On DPDT 2P2T 6 Pin Vertical DIP Slide Switch 9x4x3.5mm	
resistors		COM-11508	
Double sided Velcro			
Break Away Headers - Straight	Sparkfun	PRT-00116	2, 2 and 5 needed
For the Mark II			
Equipment			
Laptop			Any laptop with USB connection
USB micro cable			From laptop to USB micro (standard phone connector style)

Soldering Station			Any
Solder			
Items			
Small Single-Core Multi-thread Wires			Black, Red, Green, White, Blue,
Feather BLE 32U4	Adafruit	2829	
MyoWare	Sparkfun	SEN-13723	
EMG cables	Sparkfun	CAB-12970	
EMG electrodes	Sparkfun	SEN-12969	
3.7 V LiPo	Adafruit	1317	
Strip Board	amazon.co.uk	Small Stripboard 25 X 64mm Pack of 3	2.54 pitch 7x9 rows
Push Button switch		COM-00097	
slide switch	amazon.com	20 Pcs On/Off/On DPDT 2P2T 6 Pin Vertical DIP Slide Switch 9x4x3.5mm	
resistors		COM-11508	
3D printed parts			Can be 3D printed yourself or printed from a website
Double sided Velcro			
Break Away Headers - Straight	Sparkfun	PRT-00116	3 pins needed
Female Headers	sparkfun	PRT-00115	3 pins needed