Description

35+ piece kit with instructions for making interactive electronic inventures and lessons with light, sound and movement. Follow along and make circuit projects while learning design thinking, logic and reasoning, symbols, system thinking and electronics fundamentals.

Make low power electronic circuits on almost anything, nearly anywhere, flexibly and fast in wearables, walls, and objects - with or without a microcontroller!=
No experience necessary, all instructions, battery and tools included. Suitable for ages 5 +.

Invention + Adventure = Inventure.

Make ON!

RoHS compliant

CE

Safety Guidelines

Warning: Contains small parts, sharp points/edges, and conductive materials. Avoid damage to the product. Avoid corrosive materials, water and abrasives. Avoid oral contact. Avoid other materials that could affect the integrity of the product.
Do not exceed microcontroller's maximum rating

Features

Featuring Launchpad magnet sensors, a light sensor, buzzer, motor, lever switch, button, RGB LED, transistor, two power pads, Space Tape, sewing kit, tilt switches, rainbow LEDs and more!

Benefits

-Facilitates projects for educational and recreational activities in STEAM through design, prototyping, system thinking with 21st Skill building.

- For young people and adults alike, this kit offer topics of STEAM (science, technology, engineering, art, Mathematics) in a creative, culturally relevant, cutting edge format.

-The toolkit can be used individually or in groups as a communication tool for sustainability, entrepreneurship, and empirical, humanistic approaches toward product design and system engineering.

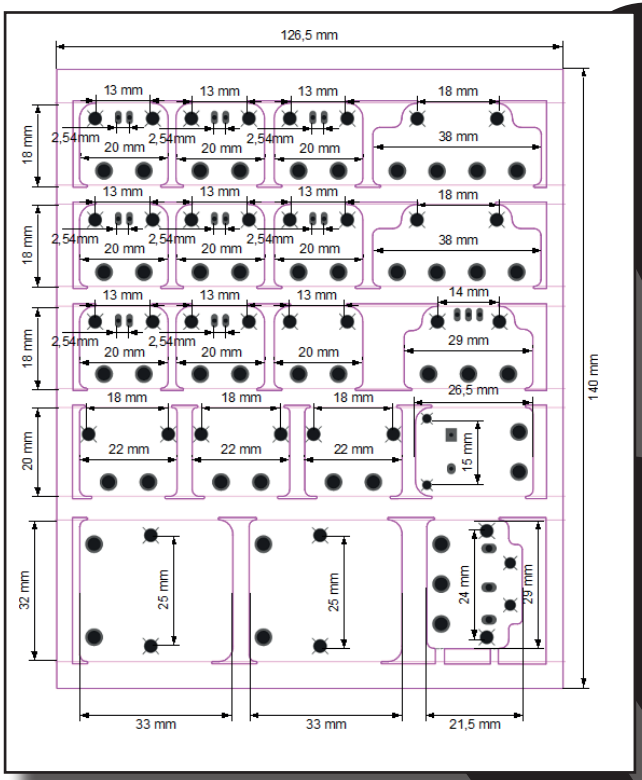
OKdo

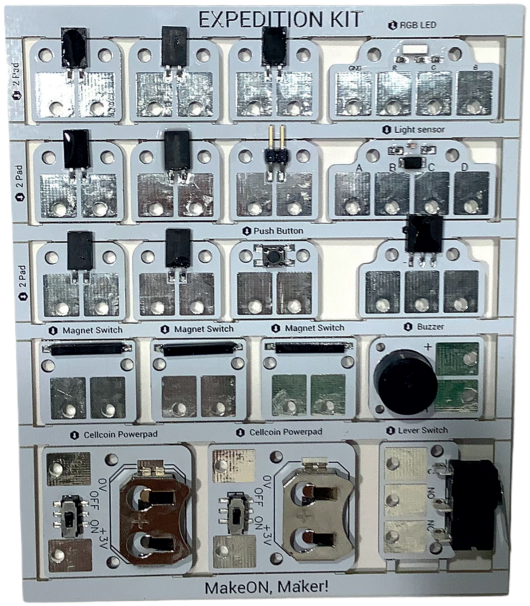
Kitronik E-Textiles Kit for the
BBC micro:bit,
Bare Conductive Electric Paint Tube 10Ml

MAKEON™

EXPEDITION
INVENTURE KIT

KIT___WHISOEXPv100





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Instructions

START THE INVENTURE: On an open, clean surface, like a table or floor, with plenty of light, begin by examining what is in your Inventure Kit. Place the parts and materials in an organized manner so you can easily find and choose the parts you need for each “mission”. Open your Mission Map and start where you find the table of contents image.

Frequently Asked Questions

Can this kit be paired with microcontrollers like the BBC Micro:bit, Arduino, Raspberry Pi, Feather, CLUE? Y

ES. This kit works on its own and also with the greater global electronic ecosystem, because its made of the real stuff!

As usual, power sources and data sheets should be followed carefully so to not damage the equipment - a common, frequent, however, avoidable issue when working with low power DC electronics.

Electronic Data

English	French	Deutsch	Italian	German	Spanish	Value - Valeur - Waarde - Valore - Wert - Valor	Unit - Unité - Eenheid - Unità - Unit - Unidad
Battery	Batterie	Batterij	Batteria	Batterie	Batería	**3** **20**	**V** **mA**
Motor	Moteur	Motor	Motore	Motor	Motor	**3** **20**	**V** **mA**
RGB LED R,G,B, per color	DEL RVB R,V,B, par couleur	RGB LED R,G,B, per kleur	RGB LED R,G,B, per colore	RGB LED R,G,B, pro Farbe	LED RGB R,G,B, por color	**3** **5.2**	**V** **mA**
PowerPad	PowerPad	PowerPad	PowerPad	PowerPad	PowerPad	**10**	**mA**
Reed switch (Magnet)	Interrupteur reed	Rietschakelaar	Interruttore reed	Reedschalter	Relevador Eléctrico	**300**	**mA**
Lever switch	Interrupteur à levier	Hendel schakelaar	Interruttore a leva	Hebelschiter	Interruptor de Palanca	**500**	**mA**
Tilt Switch	interrupteur à bascule	Kantelschakelaar	Tilt Switch	Neigungsschalter	interruptor basculante	**20**	**mA**
Buzzer	Avertisseur sonore	Zoemer	Cicalino	Summer	Zumbador	**3** **7**	**V** **mA**
Light Sensor Input Output	Capteur de Lumière Entrée Sortie	Lichtsensor Invoeren Uitvoer	Sensore di Luminosità Input Output	Lichtsensor Eingang Ausgabe	Sensor de Luz Entrada Salida	 **3** **1**	 **V** **mA**
Pushbutton	Poussoir	Drukknop	Pulsante	Drucktaster	Botón Pulsador	**50**	**mA**
Rainbow LED	DEL arc-en-ciel	Rainbow-LED	Rainbow LED	Rainbow LED	LED Arco Iris	**3**	**V**