Introduction: The Mi-Power board provides a lightweight, slim profile solution to powering and adding sound to your BBC micro:bit. The board connects directly to the BBC micro:bit using the included screws, spacers and nuts. Power is supplied from a replaceable 3V CR 2032 lithium coin cell battery that is safely locked away when the unit is assembled.

Examples of board in use: Doing away with bulky AAA batteries provides many new and exciting possibilities for your BBC micro:bit. How about a BBC micro:bit belt buckle or watch? The low profile MI-power board assembly makes adding the BBC micro:bit to your wearable projects that much easier.

Assembly: Assembly instructions are included in page 2 of this guide.

Technical information: The included CR 2032 Lithium battery has a capacity of 200mAh which depending on use should last up to 20 hours. The on-board sounder can output frequencies from 200Hz to 10kHz at volumes over 75dB! The sounder is connected to P0, P1 and P2 are not used.
Assembly instructions

Push screws through pins 0, 3V and GND on the BBC micro:bit. Screw on spacers.

Spacers can be hard to screw into place, use pliers to help you.

Screw the nuts onto the end of each screw to hold the board in place.

Flick the power switch and your MI:power board should be ready to use.

Included parts

Coin cell x1 (Insert before assembly, ‘+’ side up)

x3 x3 x3

Tools needed:
• Philips screwdriver
• Pliers

Dimensions (+/- 0.8mm)