

Product Name: Boson Starter Kit for Calliope mini

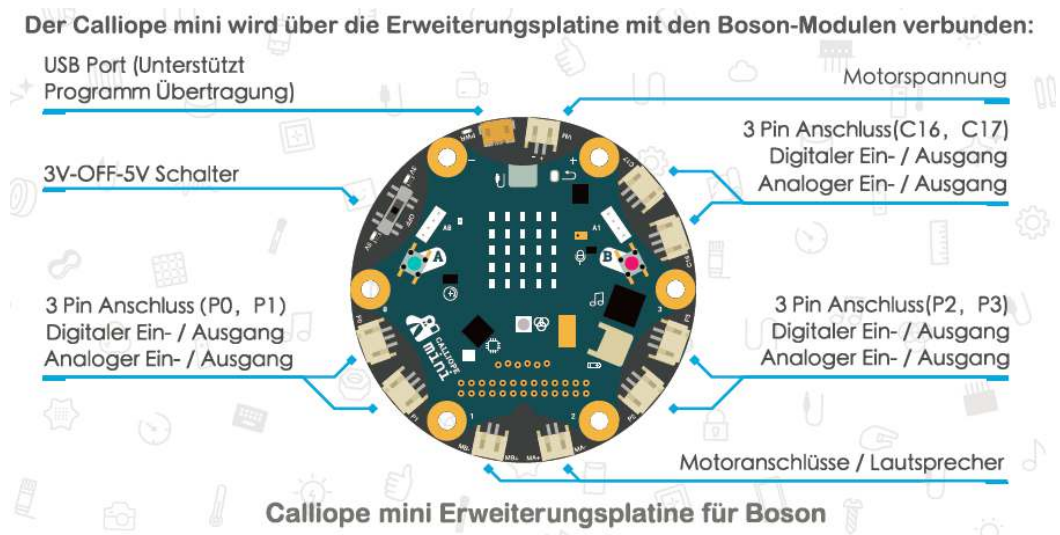
Introduction

Calliope mini is a tiny computer designed for kids and beginners to learn coding and electronics, letting them easily bring ideas into DIY digital games, interactive projects and robotics. Boson Kit has been awarded Five Stars in the 2018 Teach Primary Resource Awards.

To explore even more possibilities with Calliope mini, we have now combined it with DFRobot' s Boson modules, a set of modularized electronic blocks, suitable for every child to start their hands-on journeys of creation.



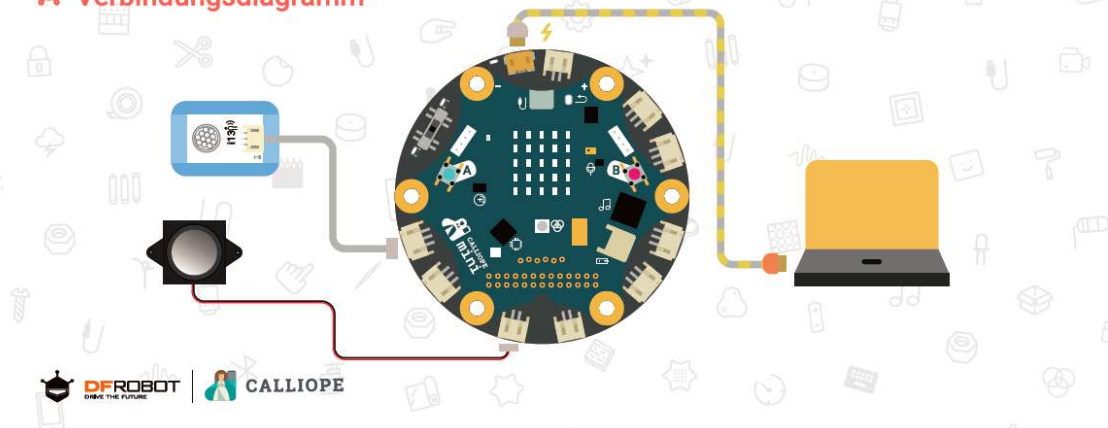
DFRobot' s Boson starter kit for Calliope mini includes 8 well selected modules, covering most popular digital and analog sensors and actuators, supporting conductivity switch, soil moisture and motion interaction. Modules communicates to Calliope mini via 3-Pin interface and are perfectly compatible with Microsoft MakeCode JavaScript online Editor.



The Calliope mini expansion board for Boson is used to hook up Boson modules to Calliope mini board. The expansion board comes with an edge connector, 6 fool-proof 3-Pin sockets, 2x PH2.0-2P motor driver ports and switchable 3.3V/5V power system. We can change the power if you need more power to drive servos. Moreover, to upload the program conveniently, the USB port on expansion board can support program and power together.

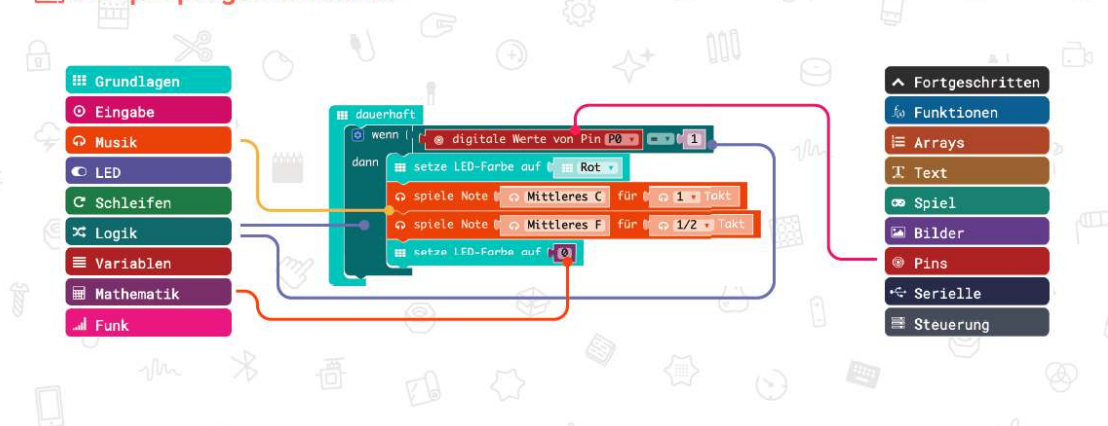
BOSON Projekt 1 Alarm

Verbindungsdiagramm



BOSON Projekt 1 Alarm

Beispielprogramm Editor



To help you easily understand the usage of each module, the boson kit for Calliope mini is provided with a quick start guide, including 5 basic projects with wiring and sample codes. Walk through the guide and create your own invention!

Note: Calliope mini board is NOT included in the kit. You will need to purchase separately.

Features

Cultivates kid's programming ability

Suitable for age 10+

Supports conductivity switch, soil moisture and motion interaction

Comes with 8 modules, 5 quick start project cards

Specification

Module Input/output Voltage: 3.3V/5V switchable

Maximum Current: 500mA

MicroUSB Power Port Voltage: 5V

Working temperature: 0-60 °C

Package size: 250*190*57 mm/ 9.84 * 7.5 *2.24 inches

Weight: 540g

Shipping list

Calliope mini Expansion Board für Boson	x1
Roter Druckknopf	x1
Bewegungssensor	x1
Rotationssensor	x1
Feuchtigkeitssensor	x1
Leitfähigkeitsschalter	x1
Ventilator	x1
Mini-Servo	x1
Lautsprecher	x1
Schroeven pack	x1
Kabelpaket	x1