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Power Adapter Module for micro:bit

GB Operating instructions

Latest operating instructions

Download the latest operating instructions at www.conrad.com/downloads or scan the QR code shown. Follow the instructions on the website.

Delivery contents

- Power Adapter Module for micro:bit

Description

The micro:bit is a powerful, low-cost, fully programmable single board computer developed by the BBC. It was designed to encourage children to actively engage in technical activities such as programming and electronics.

It features a 5x5 LED matrix, two integrated buttons, a compass, an accelerometer and Bluetooth®.

It supports the graphical programming interface PXT (MakeCode). This can be used on Microsoft Windows®, MacOS, iOS, Android™ and many other operating systems without downloading an additional compiler.

The power supply board is compatible with the micro:bit single board computer.

The adapter board can be supplied with power via the DC plug connection (coaxial plug) or via micro-USB.

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

Operation

The DIP switch (DC/USB) on the adapter board must be used to select the desired connection for the power supply.

Power supply via DC plug connection (5 - 10 V/DC):

The switch must be set to "**DC**". A commercially available plug-in power adapter with a coaxial plug can be connected to the DC socket. The centre contact (pin) is the positive terminal (+).

Power supply via USB:

The switch must be set to "**USB**". Connect a commercially available micro-USB cable to the micro-USB socket. The other end of the cable can be connected to a USB plug-in power adapter, a power bank or a USB port on your computer.

The output socket (output, 2 mm) supplies a voltage of 3.3 V/DC to power a micro:bit. The LED next to the output socket indicates the active status.

Disposal

Electronic devices are recyclable waste and must not be placed in household waste. At the end of its service life, dispose of the product in accordance with the applicable regulatory guidelines.

You thus fulfil your statutory obligations and contribute to protection of the environment.

Technical data

Operating voltage of DC plug connection	5 – 10 V/DC
Operating voltage of micro-USB connection	5 V/DC
Output voltage	3.3 V/DC
Output current	max. 1 A
Output power	max. 3 W
Operating temperatur	-20 °C to +60 °C
Dimensions (W x H x D)	32 x 12 x 33 mm
Weight	5.8 g

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