The BBC micro:bit is a pocket-sized electronic development platform built with education in mind. It was developed by the BBC in partnership with major tech companies, communities, and educational organisations to provide children around the world with a fun, practical and inexpensive way to develop their digital skills - with no pre-existing knowledge of computers, electronics or programming required.

With comprehensive coverage and easy-to-follow instructions, The Official BBC micro:bit User Guide contains everything budding coders – whether children or adults - need to know to start building right away. More experienced programmers can dive straight in to writing their own code and customising their BBC micro:bit with add-ons.

Written by internationally bestselling tech author Gareth Halfacree, the book is divided into four main parts beginning with an introduction to the BBC micro:bit. Part II helps the user to get started writing their own programs, with a chapter dedicated to each of the three main programming languages used with the BBC micro:bit (JavaScript Blocks, JavaScript and Python®). The third part, covers ‘Advanced BBC micro:bit Projects’, whilst the final part contains the appendices with full program listings for every program in the book.

As well as explaining how the BBC micro:bit works and what it can do, The Official BBC micro:bit User Guide will help readers to:

- master basic programming concepts
- communicate wirelessly between BBC micro:bits
- build their own wearable BBC micro:bit
- build circuits and add extensions
- integrate the BBC micro:bit with the Raspberry Pi®

In addition to the code recipes in the book which will help readers get started immediately, circuit diagrams, code downloads and more are available at the companion website: www.wiley.com/go/bbcmicrobituserguide.

More information about the BBC micro:bit can be found on The micro:bit Educational Foundation website.

The Official BBC micro:bit User Guide will be available wherever books and ebooks are sold.

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About the author

GARETH HALFACREE is the author of the Raspberry Pi User Guide and an expert in educational and embedded computing. A noted
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