

Morse Code

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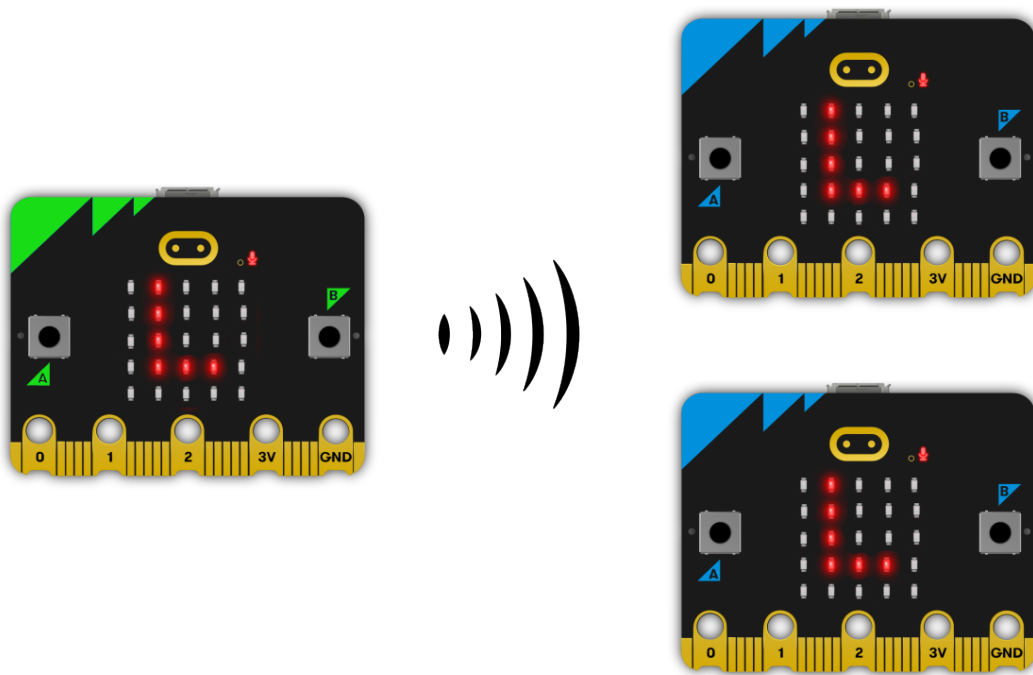
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CONTENTS

Introduction	3
Setup and how to use	4
Map Table	5
Resources	6

Introduction

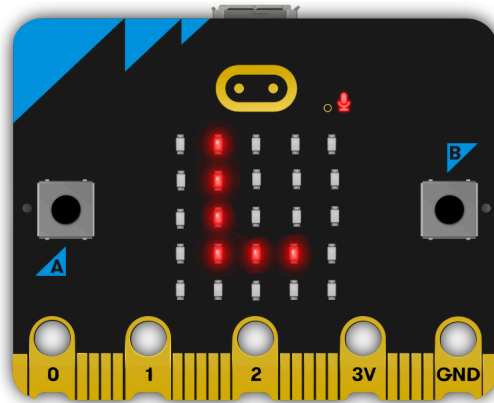


This project is for programming a BBC Micro:bit to send and receive Morse Code from one device to another using the radio frequency.

The project has been developed using two Micro:bit devices and programmed using Python language.

Setup and how to use

Flash the source code to both of the Micro:bit devices. By default all the devices are listening to morse codes via radio signals.



Button A is programmed to send the dot notation “.” and Button B is programmed to send the dash notion “-”.

From one device send a character and other devices will show the sent character.

For example, if you wish to send the word “HAPPY”, then send the following sequence.

Code	Character
.	H
. -	A
. - - .	P
. - - .	P
- . - -	Y

In between each character, wait for 1 second.

Map Table

Code	Character	Code	Character
. -	A	. - - - -	1
- . . .	B	. . - - -	2
- . - .	C	. . . - -	3
- . .	D -	4
.	E	5
. . -	F	-	6
- - .	G	- - . . .	7
. . . .	H	- - - . .	8
. .	I	- - - - .	9
. - - -	J	- - - - -	0
- . -	K		
. - . .	L		
- -	M		
- .	N		
- - -	O		
. - - .	P		
- - . -	Q		
. - .	R		
. . .	S		
-	T		
. . -	U		
. . . -	V		
. - -	W		
- . . -	X		
- . - -	Y		
- . .	Z		

Resources

UWE GIT LAB: <https://gitlab.uwe.ac.uk/Ahmed17.Ali/morse-code>

GITHUB: <https://github.com/thaanu/microbit-morse-code>