### Matrix Micro

Programing Micro:bit with the Mobile Device

#### Micro:bit Mobile APP Set Up

#### Download Micro:bit App on to your mobile



## After downloading, start running the program and select Pair



#### Next select "Pair a new micro:bit" below



## Start the Pairing process and follow the prompts that appear on the screen



#### Power up your Micro:bit



### Hold the A & B buttons then press and release the Reset button located on the back of micro:bit, hold until the screen fills up





Hold the A & B buttons then press and release the Reset button

**STEAM EDUCATION, FUTURE TECHNOLOGY.** 

## Hold until the screen fills up, the Password for Pairing the devices shows up

How to pair your micro:bit RESET Step 1 Let's do this Hold the A and B buttons then press and release RESET. Keep holding A and B until the screen fills up X NEXT CANCEL





Hold the A & B buttons until the screen fills up

# On your mobile enter the same pattern as you see displayed on the Micro:bit

**Enter the pattern** Step 2 Copy the pattern from your  $\bigcirc$ micro:bit onto this grid X CANCEL



### Wait while your mobile searches for the Micro:bit, after it connects it will display a check mark



# Programing interface and importing the Matrix Micro extension

## Scan the QR code below, enter the website and copy the URL



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Matrix-Robotics /	pxt-MatrixMic	ro
MIT License		
0 stars 😵 2 forks		
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Code Issues 1	Pull requests	Actions Proje
°€ <sup>9</sup> master ◄		Go to file
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README.md

#### MATRIX Micro controller

The extension allows to control MATRIX Micro on PXT for micro:bit with block-based programming and Python. This library is as a bridge connecting MATRIX Robotics system alongside with micro:bit.

#### Click on Create Code

micro:bit Pair \*\* 企 Flash + Create Code ₫ Discover

#### Click on Add New Project





#### Name your project

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我的所有專案	檢視全部	<u>+</u>
Create a Proj	ect 😍	Θ
幫你的專案取個名	字。	
Matrix		
> Code options		
	創建(Create)	~
閃爍的心	Name Tag	Smiley But
Live Coding		
Stopwatch	Heads Guess!	Reaction T
遊戲		

### Go into the editing screen and click on the arrow on the left side



### Click on the PLUS sign "+" below



# In the "Search" function at the top, paste the same URL previously



# Click on "Matrix Micro extension" after it appears





# After entering, the Matrix Micro functions can be used



#### Downloading the Code

# After programing, click on the download icon below



#### Confirm download



### Device starts initializing, do the pairing process again







Hold A&B Button and press and release the reset button on the back

Hold A&B until the screen fills up, the pairing code appears

#### Wait for the uploading





# Once the upload is complete, the program will run on its own





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