

Hi!

A STARTER GUIDE

Mind+ and Calliope mini

Special features and fast transmission of the code

Similar to known Scratch environment

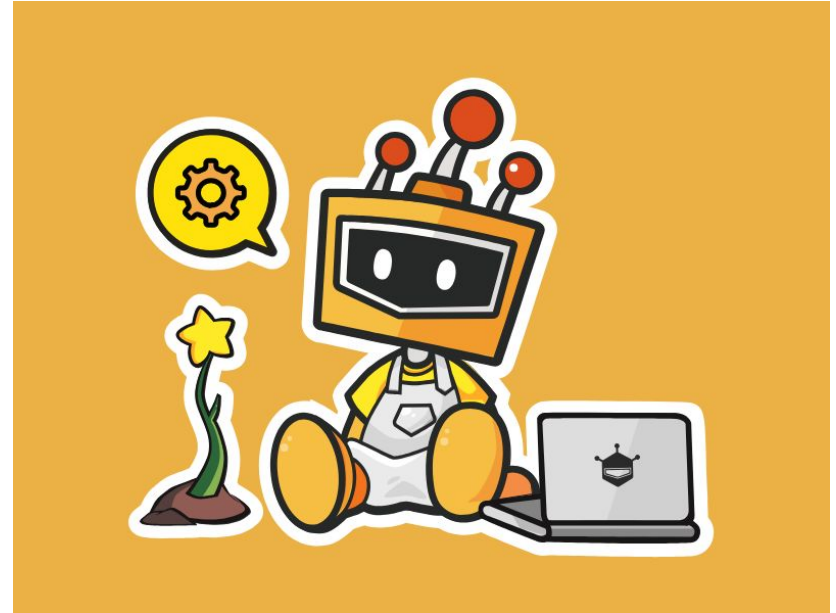
Offline mode (burn codes into board and run without a PC)

Online mode (run codes with board always connected to PC)

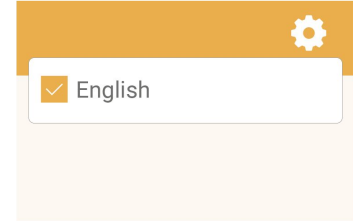
Interaction application on the screen and the Calliope mini

Such as (1) control games on the screen with the Calliope mini, (2) use Calliope mini as a sensor for the application on the screen, (3) Calliope mini as a machine on the screen control takes place.

Intuitive programming of the Calliope mini



Download and Install



1 Download

Select your operating system and download the Mind+ Editor [BETA].

MACOS

WINDOWS

2 Install

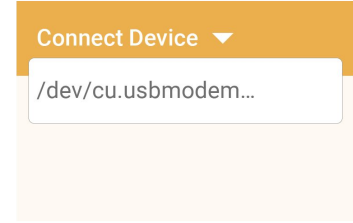
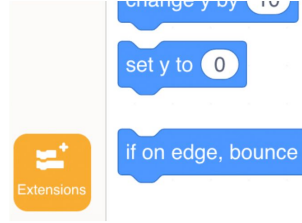
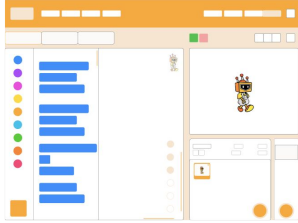
Now follow the instructions and install the Mind+ software.

3 Language

Open the Mind+ Editor and select a language.



Download and Install



1 You need:

Calliope mini
USB cable
Computer
Mind+ software

2 Calliope mini Extensions

- Click on "Extensions" in the lower left corner of the preview
- Click on "Board"
- Then select "Calliope mini"

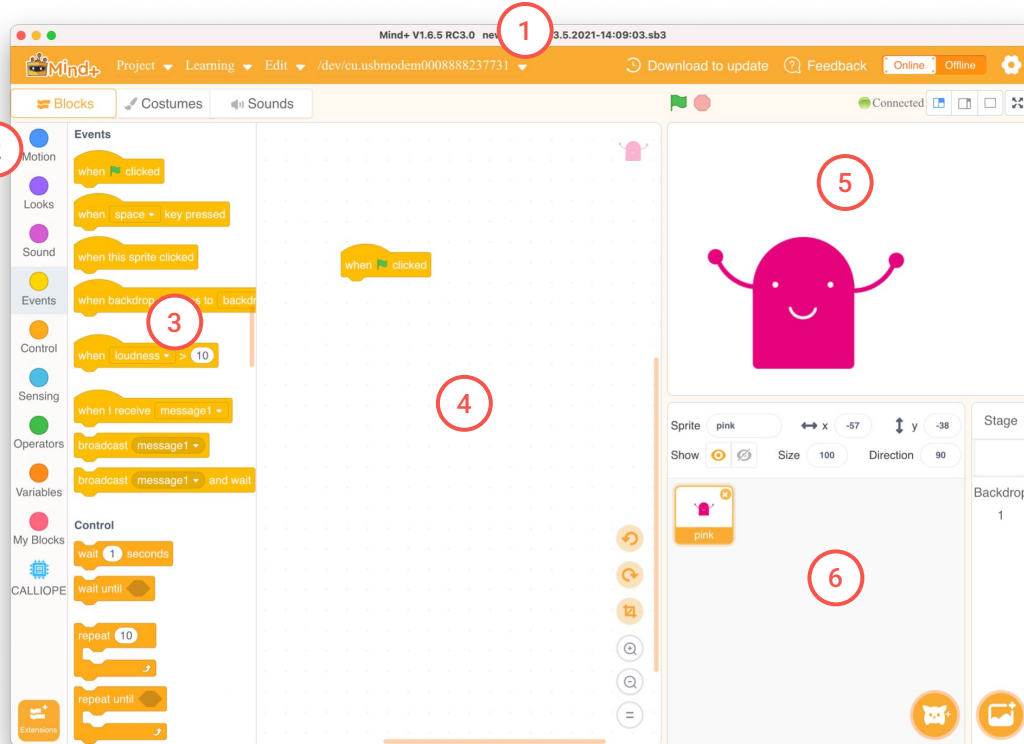
3 Connect

Now the Calliope mini can be connected to Mind+.
To do this, select "Connect Device".



The user interface

- 1 Menu bar
- 2 Categories
- 3 Programming blocks
- 4 Programming area
- 5 Stage
- 6 Characters library



Categories

A program code consists of commands that are executed in sequence. You put these commands together in the form of program blocks like a puzzle.

The program blocks are grouped into different categories/groups in the block library. They have an individual color depending on the category.

Blocks that control the Calliope mini can be found at the bottom after you selected the Calliope mini board in Extensions ▶ Board.



Position, motion...

Display, scaling, color...

Sounds and music

Events: Start, key...

Control: waits, branches, loops...

System functions: Time, cursor position...

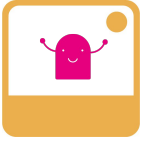
Logic, comparison, mathematical functions, chance...


Variables

Own functions


Blocks for the Calliope mini





Run projects





You can run a program by clicking the start flag  or by clicking directly on the code block.

Clicking on the stop sign  stops the program.

```
when  clicked  
say Hi! What is your name?
```

```
 when button  pressed  
 display Emma  
 think That is a lovely name 
```

```
 when button  pressed  
 display Gelb
```

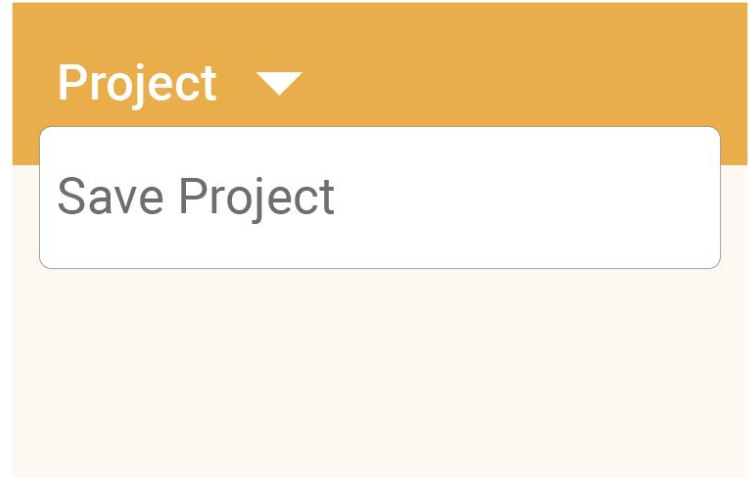


Save projects

Save your project.

Think of a name for your program that gives you a hint about what the program does e.g. Introduction.

- 1 Click on "Project"
- 2 Click "Save Project"
- 3 Enter a name and click "save".





CALLIOPE

If you have any questions, please do not hesitate to contact us.

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or by e-mail: info@calliope.cc

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