

FAQ ESP32 Programming

Last update 28.05.2025

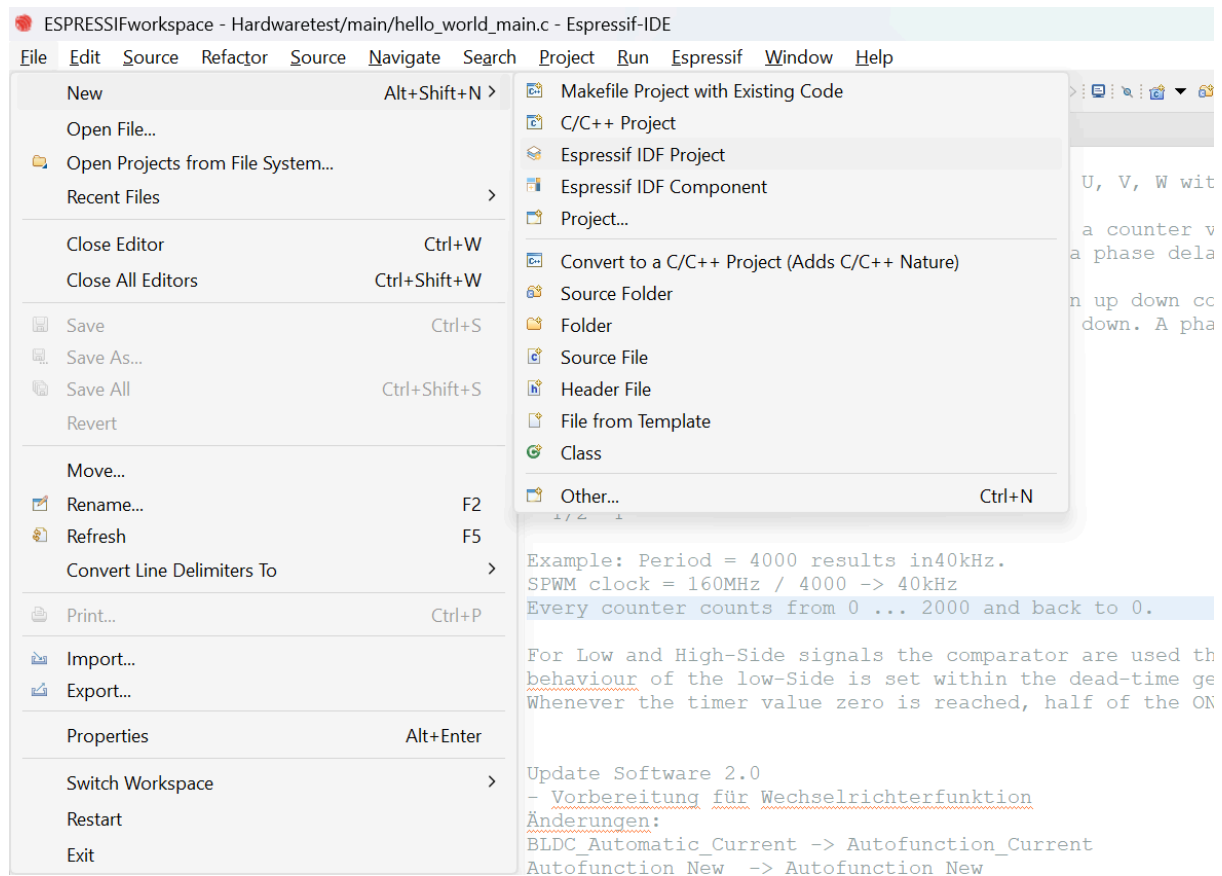
Where can I download ESP32 IDE



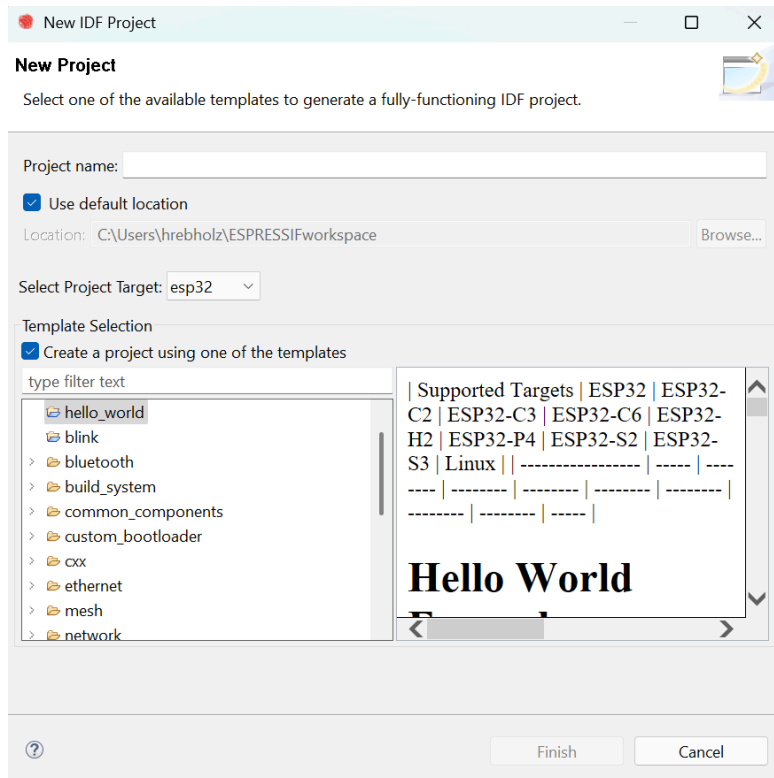
Download the IDE here: dl.espressif.com/dl/esp-idf/

How to start a new project

Select: New - Espressif IDF Project



Select a simple template e.g. hello_world



How can use the i2C Display



Take care: There are displays available with swapped GND and VCC pins. Unfortunately we use the more expensive one 😞

For the DIY hardware use displays with the following configuration: GND - VCC - SCL - SDA if you look from top to the display.

To use the 1306 library to control the display copy the `ssd1306` folder into the components directory of your project eg.

`MyProject\components\ssd1306`

Maybe is necessary to restart the Espressif-IDE.

Include the `ssd1306` header.

```
#include "ssd1306.h"
```

Navigate to `sdkconifft` within the Project Explorer and navigate to `SSD1306 Configuration`. If necessary correct the X offset to adjust the display range.

