

## How To Flash DevKitC-VE Board?

Note: ESP32-DevKitC-VE uses a SiLabs CP210, USB to UART Bridge on board. The Driver can be found

<https://www.silabs.com/products/development-tools/software/usb-to-uart-bridge-vcp-drivers>

1. Download the ESP32 Flash Tool from the following link. Select “Flash Download Tools (ESP8266 & ESP32 & ESP32-S2)”

<https://www.espressif.com/en/support/download/other-tools>

2. Unzip the file “flash\_download\_tool\_v3.8.5.zip” file (where 3.8.5 is version of the tool).
3. See the Reference document “Flash\_Download\_Tool\_\_en.pdf” in the folder  
flash\_download\_tool\_v3.8.5\doc  
Read the Section 4 Download for ESP32 series
4. Make sure all the 3 bin files are available
  1. bootloader.bin
  2. partitions\_4mb\_flash.bin
  3. alexa.bin
5. Open the bin file “flash\_download\_tool\_3.8.5.exe” and select “ESP32 Download Tool”  
Leave or Set the SPI Speed at 40MHz, SPI Mode “DIO” and Flash size 32Mbits
  - a. Set the COM port number
  - b. Set the baudrate to 921600
  - c. Click on the browse button (..) and select “bootloader.bin”
  - d. Fill the start address as 0x1000
  - e. Browse and select “partitions\_4mb\_flash.bin”. Fill the start address 0x8000
  - f. Browse and select “alexa.bin”. Fill the start address 0x10000
  - g. Put Ticks in the 3 square boxes at the start (**See Figure 1 below**)
  - h. Click on “Start” below the green IDLE button

If all the parameters are correct, it should finish flashing and show FINISH in the green button as shown in **Figure 2 below**.

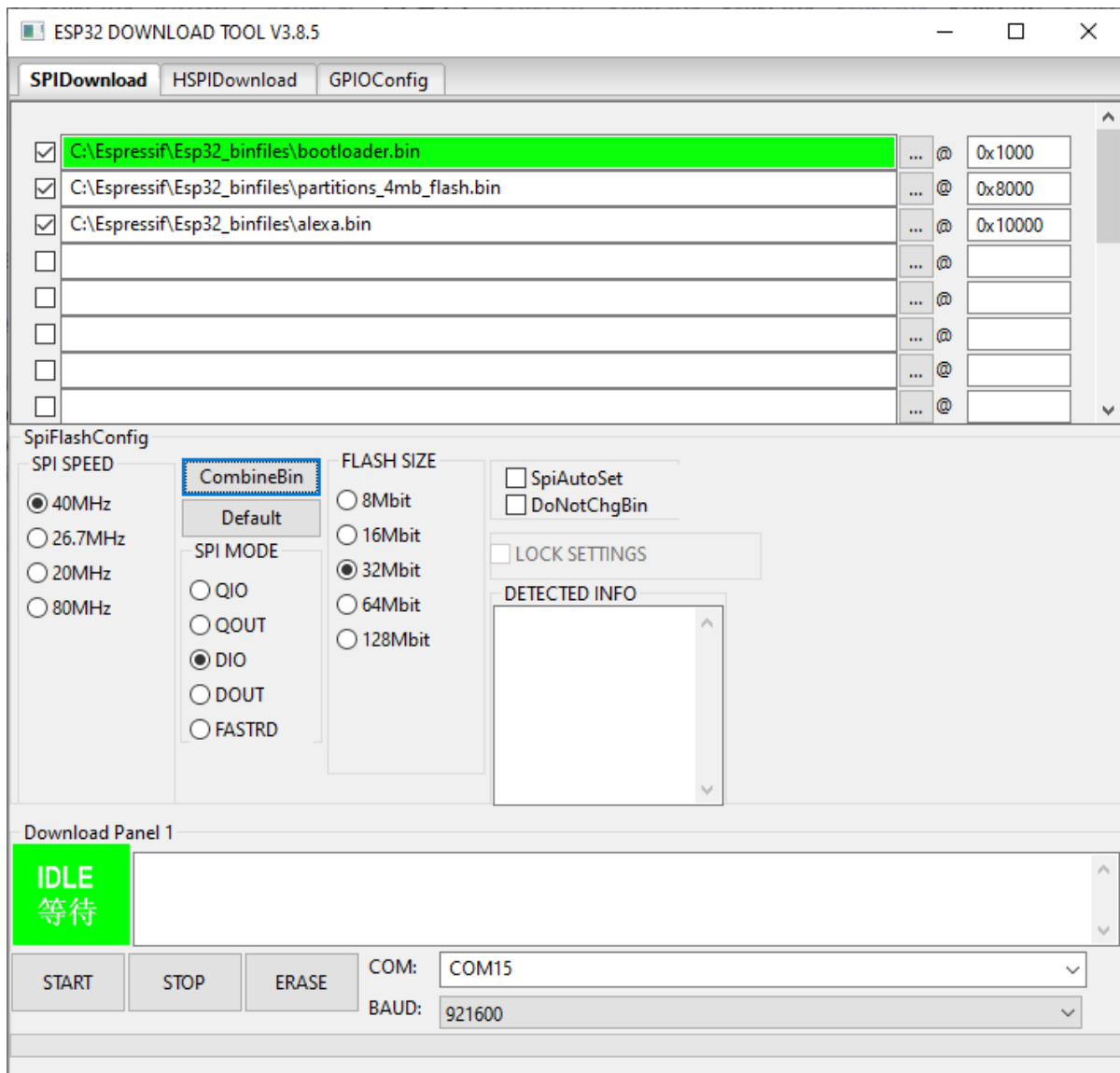


Figure 1.

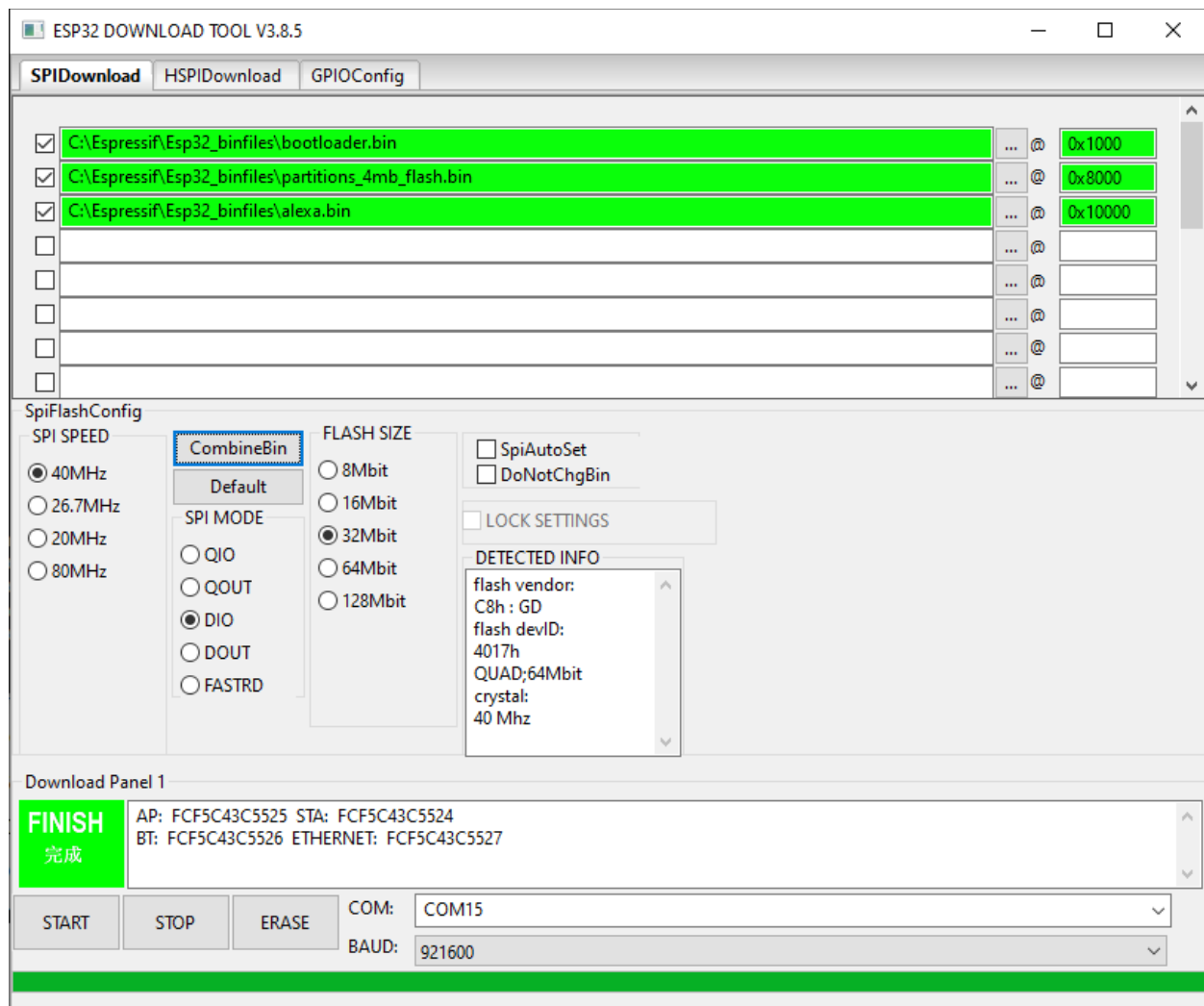


Figure 2