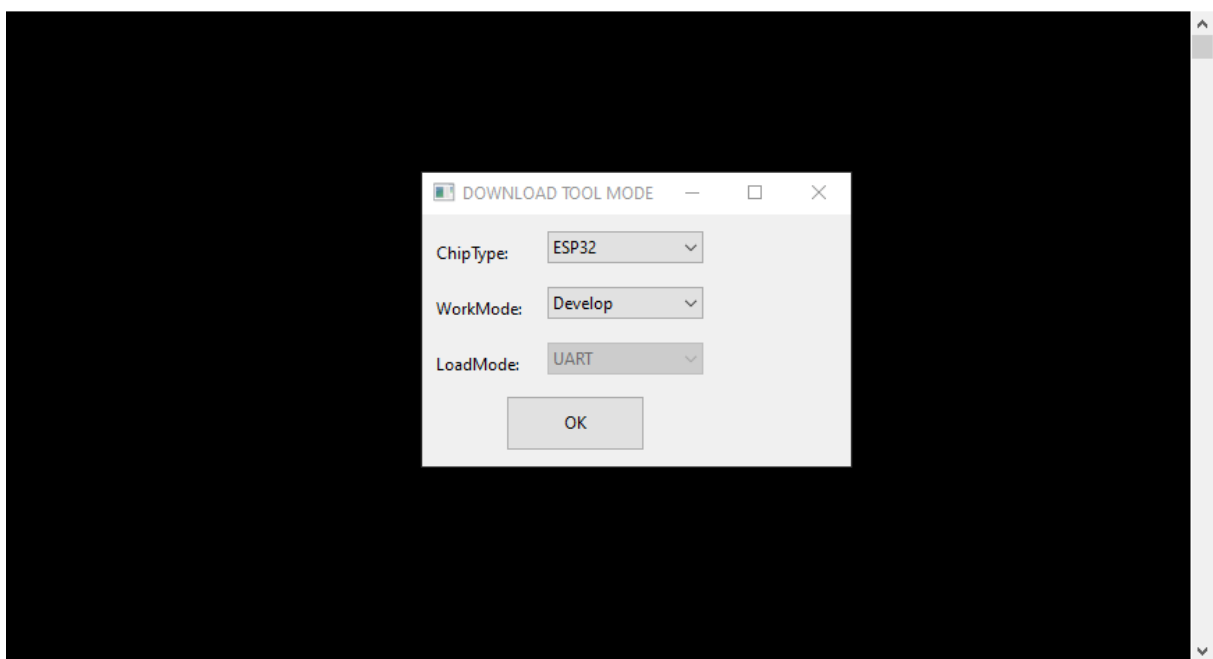


Flash-Tool [ESP Flash Tool from ESPRESSIF](https://www.espressif.com/en/support/download/other-tools)
(<https://www.espressif.com/en/support/download/other-tools>)



If the esp has been completely erased, it is necessary to flash the bootloader files as well

settings:

- SPI SPEED: 40 MHz
- SPI MODE: DIO

boot_app0.bin	0xe000
bootloader_dio_80m.bin	0x1000
default.bin	0x8000
.bin –file at	0x10000

ESP32 FLASH DOWNLOAD TOOL V3.9.6

SPIDownload

☒

C:\temp\boot_app0.bin

...

@

0xe000

☒

C:\temp\bootloader_dio_80m.bin

...

@

0x1000

☒

C:\temp\default.bin

...

@

0x8000

☒

C:\temp\V2.42-ttgo-lora32_langEN.bin

...

@

0x10000

☐

...

@

☐

...

@

☐

...

@

☐

...

@

SPIFlashConfig

SPI SPEED

☒ 40MHz

☐ 26.7MHz

☐ 20MHz

☐ 80MHz

SPI MODE

☐ QIO

☐ QOUT

☒ DIO

☐ DOUT

☐ FASTRD

☒ DoNotChgBin

☐ LockSettings

CombineBin

Default

DetectedInfo

DownloadPanel 1

IDLE
等待

START

STOP

ERASE

COM: COM6

BAUD: 921600

ESP32 FLASH DOWNLOAD TOOL V3.9.6

SPIDownload

<input checked="" type="checkbox"/>	C:\temp\boot_app0.bin	...	@	0xe000
<input checked="" type="checkbox"/>	C:\temp\bootloader_dio_80m.bin	...	@	0x1000
<input checked="" type="checkbox"/>	C:\temp\default.bin	...	@	0x8000
<input checked="" type="checkbox"/>	C:\temp\V2.42-heltec-lora32_V2_langEN.bin	...	@	0x10000
<input type="checkbox"/>		...	@	
<input type="checkbox"/>		...	@	
<input type="checkbox"/>		...	@	
<input type="checkbox"/>		...	@	

SPIFlashConfig

SPI SPEED

☒ 40MHz
☐ 26.7MHz
☐ 20MHz
☐ 80MHz

SPI MODE

☐ QIO
☐ QOUT
☒ DIO
☐ DOUT
☐ FASTRD

☒ DoNotChgBin
☐ LockSettings
CombineBin
Default

DetectedInfo

DownloadPanel 1

IDLE
等待

START

STOP

ERASE

COM: COM6
BAUD: 921600