Plug flashing tool to the USB port on your PC or Laptop.



In the device manager you will see a new COM port, and set the bitrate to the 921600

 Mice and other pointing devices Monitors Network adapters Ports (COM & LPT) USB Serial Port (COM4) 				
>	Pro	cessors		
>	Sec	urity devic	es	
2	🗐 Sm	art card rea	aders	
pi Ge	Serial Port (CO eneral Port Settin	M4) Properties gs Driver Details Bits per second:	Events 921600	×
		Data bits:	8	~
		Parity:	None	~
de		Stop bits:	1	~
D		How control:	None vanced Restore	Defaults
n			ОК	Cancel

Detach the PCB board from the case



R8

R19 16. I PTC 26RTS \bigcirc TX \bigcirc RX Ô +51 0 GND R17 I DEE 100 R10 C25 (00) RQ (Inc) 100 01 R21 Q4 R18 **R**1 8 9 C23 R22 -81 24 Q3 in/s C21 R60 **U**2 C20 D5 C19 R20 **B2** R8 R

Plug the Jtag connector to the PCB board of the pendant, both LED (Red and Green) will light-up as a confirmation of the proper connection. On the connector,- pin marked "black" goes to GND

Start the flashing tool program



Select ESP32 chipset



Use develop mode from the drop-down menu

DOWN	_		×
chipType:	ESP32		~
workMode:	develop)	~
loadMode:	uart		\sim
	ОК		

🔅 C:\User	User\Downloads\ESP32(flash_download_tool_3.9.2/flash_download_tool_3.9.2.exe - 🛛 🗙	ESP32 DOV	VNLOAD TOO	L V3.9.2	N	-		×
		SPIDownload	HSPIDowr	nload	63			
	Debug Console	InloadsNE C(Users) C(Users) C(Users) C(Users) C(Users) SpiFlashConfig SpiFl	SP32 Botton f User\Downlo User\Downlo User\Downlo SPI MODE QIO QIO QOUT © DIO DOUT O FASTRD	Release\book ads\ESP32\E ads\ESP32\E Dot LOC Cc	iloader.bin Bolton Rele Bolton Rele NotChgBin K SETTING pombineBin Default		0x1000 0x8000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x10000 0x1000 0x10000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000 0x1000	
		Download Pan	el 1					
nel- MicroS		IDLE 等待						Ĵ
	6 items 1 item selected 15.8 MB	START	STOP	ERASE	COM: BAUD:	COM4		~
g UniFi	Date created: 2021-12-24 3:29 PM, Size: 15.8 MB 15.8				-	921000		•
						_		

Set bitrate, COM port, files and address conform screenshot (bootloader.bin; partitions.bin; wimesh.bin)

Erase flash memory by clicking on Erase button, wait until left green button will turn to "Finish:



After that click on START, after successful connection you will see data info, and in console the progress of flashing. Wait until the green button will not turn to "Finish" and in console the status result.

🔅 C:\Users\User\Downloads\ESP32\flash_download_tool_3.9.2\flash_download_tool_3.9.2.exe —		ESP32 DOWNLOAD TOOL V	3.9.2	- 🗆	×
test offset : 65536 0x10000	^	SPIDownload HSPIDownloa	d		
Case oK Uploading stub Running stub Stub running Changing baud rate to 921600 Changed. FLASH_CRYPI_CNI 0 ABS_DONE_0 False test offsatt : 4096 0x1000 case ok test offsatt : 4096 0x1000 case ok test offsatt : 42768 0x10000 case ok	-	Inlada/ESP22/Bolton Rele CLUsen/User/Downloads CLUsen/Use	ase\bootloader.bin \ESP32\Bolton Rele \ESP32\Bolton Rele	@ 0x1000 @ 0x8000 @ 0x10000 @	
test offset : 05530 0X10000 Running stub Stub running Changing baud rate to 921600 Changed. FLASH_CRYPT_CNT 0 ABS_DONL © False Compressed 15024 bytes to 10697 Compressed 13072 bytes to 162 Compressed 1116208 bytes to 678941		SpiFlashConfig SPI SPED SPI MODE © 40MHz QUOT 26.7MHz © DIO 0 80MHz © DOUT ○ BOUT ○ FASTRD	DoNotChgBin LOCK SETTINGS CombineBin Default	DETECTED INF flash vendor: 20h : N/A flash devID: 4016h QUAD;32Mbit crystal: 40 Mhz	:0
is stub and send flash finish	~	Dovaload Panel 1		/	Y
Here MicroSH		FINISH 完成 AP: A4CF129646 BT: A4CF1296469	95 STA: A4CF129646 6 ETHERNET: A4CF	594 1 2964697	^ ~
6 items 1 item selected 15.8 MB			RASE COM: COM: COM: COM: COM: COM: COM: COM:	COM4	~
Date created: 2021-12-24 3:29 PM, Size: 15.8 MB	15.8	8		21000	

Do not unplug the Jtag connector, **click** on micro button on the PCB marked as **S2**, and in few seconds go to the Wi-Fi network, you will see a new SSID starting with "vantact- and MAC address" of the pendant



Connect to it



Go in the address bar of the browser to the http://192.168.168.1/



← → C ▲ Not secure 192.168.168.1/ems.htm					
General	EMS Server				
 Status EMS server BLE WiFi access Save 	EMS Server Scan Result Url Base Name Presense Timer Save	http://10.2.71.151/authbeaconcode/ http://10.2.71.151/authpositioningarraycode/]		

Fill up EMS if required, and Suite Number as is set in EMS (required and mandatory)

Fill up Wi-Fi SSID and password

General	Wi-Fi Settings	
 ★ Status @ EMS server ● BLE ● WiFi access ● Save 	WiFi SSID	

Save, then go to the Save page and click Save again! Pendant will reboot and connect to the Wi-Fi



Test Alarm mode, pendant will make LED blinking, and buzzer beeping with the period of 1.5sec. if no Wi-Fi, then in 30 second the pendant will change the tone of the buzzer to the fast-beeping mode, which will confirm that Wi-Fi is not available, bad or not stable. Pendant is automatically turning Off the Alarm in 35 seconds and ready to detect Alarm mode again.