Wifi TDR setup in M5Stack

1. Download all files to PC desktop

Instructions for downloading the files are available in <u>https://github.com/an0nio/tdrwifi</u>

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itHub - anOnio/tdrwif: Software compatible	with Campbell TDR-100 to aquire waveforms, measure vol	lumetric water content (θ) and the bulk electrical conductivity (σ) v	ia Wifi through M5Stac	(Mo	tilla F	refox	91
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→ C ŵ	om/an0nio/tdrwifi	🧟 Buscar	10		0	۵ 🖪	Þ
Marcadores - ×	Linux or OSX						
uscar marcadores	Hardware needed						
Barra de herramientas de mar	M5Stack						
Menú Marcadores	RS232 to TTL serial port converter m	odule DB9 connector					
© Recent Tags	Null modern serial cable DB9 male - I	DB9 male					
Ubuntu and Free Software li	Software needed						
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GitHub - anOnio/tdrwifi: Sof	Installation						
Otros marcadores	- Install scholl						
TusPeliculasHD Ver Pelicul	 Instan i snen 						
B Murieron por encima de sus	 Install m5Burner and burn last version 	n (works fine untill version UIFlow-v1.4.3)					
	Download this repo and unzip						
	 Run rshell micropython: 						
	\$ rshellbuffer-size=32port	t=/dev/ttyUSB*baud=115200					
	where * is the conexion USB port (* =	= 0,1,2)					
	 Copy /tdrwifi-master/web/ from for 	older where you unzip this repo to m5Stack flash memory:					
	<pre>\$ cp -r '/FOLDER/tdrwifi-master/</pre>	/web/' /flash					
	 Install TDRWifi on m5STack (6 first st 	teps explained on this video):					
	 Click button on m5stack and pres 	ss button configuration					
	 Select: Switch to Internet mode 						
	 Connect to Wifi access point disp 	played on the screen					

2- Open M5Stack display

Open terminal:

Desktop/M5Burner_Linux\$./M5Burner



Install Uiflow-v.1.5.2.

Erase M5Stack memory Erase Burn Close display

3. Enter in flash memory

Open terminal /Desktop/rshell --buffer-size=32 --port=/dev/ttyUSB0 -baud=115200

If it does not work, go to the M5Stack and select *Switch mode* ==> *APP MODE* ==> *Reboot* >> and try again

4. Copy web on flash memory

Open terminal and write /home/myusername/Desktop/M5Burner_Linux> cp -r '/home/myusername/Desktop/tdrwifimaster/web' /flash/

5. Connect USB in M5Stack

Exit M5Stack and select Switch mode ==> USB MODE ==> Reboot >>

6. Copy program in M5Stack

Exit terminal and enter again

UIFlow-Desktop-IDE_Linux		
UIFlow-Desktop-IDE		
./bin/uiflow-desktop-ide		
Desktop/UIFlow-Desktop-IDE_Linux\$		

Desktop/UIFlow-Desktop-IDE_Linux\$./bin/uiflow-desktop-ide



Click OK



Click on Python and remove the program



Copy program, which is located at and paste it in the display

Desktop/tdrwifi-master/m5Comunication.py



Write the title WIFITDR



Download