

ESP8266-PROG

Help for the programming and use of a ESP8266



1. GENERAL INFORMATION

Dear customer,

thank you for choosing our product. In the following, we will show what you should note at the commissioning and during the usage.

Should you encounter any unexpected problems during use, please do not hesitate to contact us.

First of all, you must prepare the Arduino development environment for the use with the ESP8266.

For that, enter in the global settings of the program the following URL as an **additional board manager URL:**

ettings Network Sketchbook location: C:\Users\Technik3\Docu Browse English (English) (requires restart of Arduino) Editor language: Editor font size: 12 Interface scale: V Automatic 100 + % (requires restart of Arduino) Show verbose output during: compliation upload ompiler warnings: None 👻 Display line numbers Verify code after upload Use external editor Check for updates on startup
Update sketch files to new exter sion on save (.pde -> .ino) Save when verifying or uploading Additional Boards Manager URLs: http://arduino.esp8266.com/stable/package_esp8266com_index.json C: \Users\Technik3\AppData\Local\Arduino15\pref OK Cancel

https://arduino.esp8266.com/stable/package_esp8266com_index.json

After that, the additional board library must be installed. For that open the board manager and install the **ESP8266**-library.

by Ardune version 1.6.18 INSTALLED satisfies (Sanulno Uno, Arduino Uno WIF, Arduino Diastmila, Arduino Hano, Ard anado, Arduino Lanardo Ethernak, Arduino Martino, Arduino K 37, Arduino LilyPadUSB, Arduino LilyPad, Arduino Yun Mini, Arduino ATMega Gemma, Adafrut Circuit Playground, Arduino Yun Mini, Arduino Indus	splora, Arduino Mini, Arduino Ethernet, NG, Arduino Robot Control, Arduino
Community package: Lie, Olmer, MOD-WIPI-ESP8266(-OKV), HodeMCU 0.9 (ESP-12 Modul 256 (ESP-12), ESPesso Lie 1.0, ESPesso Lie 2.0, Phasen 1.0, Pha Vietles D1 mini, ESPenc (ESP-12 Module), ESPins (VMCOM-02 Modul	enix 2.0, SparkFun Thing, SweetPea
	e), WifInfo, ESPDuino.

As soon as the board is successfully installed, you can select the **Generic ESP8266 Module** in the list of available boards.

💿 sketch_aug04a Ard	uino 1.8.1			
File Edit Sketch Tool	s Help			
	Auto Format	Ctrl+T		0
	Archive Sketch			
sketch_aug04:	Fix Encoding & Reload			Arduino Leonardo ETH
void setup()	Serial Monitor	Ctrl+Shift+M		Arduino/Genuino Micro
// put your	Serial Plotter	Ctrl+Shift+L		Arduino Esplora
1				Arduino Mini
·	WiFi101 Firmware Updater			Arduino Ethernet
<pre>void loop() {</pre>	Board: "Arduino/Genuino Uno"			Arduino Fio
// put your	Port		1	Arduino BT
1	Get Board Info			LilyPad Arduino USB
				LilyPad Arduino
	Programmer: "AVRISP mkII"		1	Arduino Pro or Pro Mini
	Burn Bootloader		_	Arduino NG or older
				Arduino Robot Control
				Arduino Robot Motor
				Arduino Gemma
				Adafruit Circuit Playground
				Arduino Yún Mini
				Arduino Industrial 101
				Linino One
				Arduino Uno WiFi
				ESP8266 Modules
				Generic ESP8266 Module
				Generic ESP8285 Module
1		Arduino/Genui		ESPDuino (ESP-13 Module)
		Andenio/Genti		Adafruit HUZZAH ESP8266

Your Arduino development environment is now ready for the use with the ESP8266.

Put now the ESP8266 in the yellow connector of the programming module like shown in the picture.



Next to the yellow connector is a small switch (also shown in the picture). Note that the switch should be on **Prog** if you want to program your ESP8266. For the regular use, you must set the switch to **UART**.

Connect the programming module with the USB-interface of your computer.

If the automatic installation of drivers fails, you have to install the drivers manually.

In this case download the **<u>driver installation program</u>** and install the drivers. Note that the accurate port is selected in the Arduino settings.

The in the Arduino environment installed ESP-package provides some code examples for the use of this module. These examples are highly qualified for the entering into the programming of the ESP8266. Our information and redemption obligation according to the electro-law (ElektroG)

Symbol on electrial and electronic products :

This crossed-out bin means that electrical and electronic products do **not** belong into the household waste. You must hand over your old appli-ance to a registration office. Before you can hand over the old appliance, you must remove used batteries and accumulators which are not enclosed by the device.

Return options :

As the end user, you can hand over with the purchase of a new device your old appliance (which has essentially the same functions as the new one) free of charge for disposal. Small devices which do not have outer dimensions greater than 25 cm can be submitted independently of the purchase of a new product in normal household quantities.

Possibility of restitution at our company location during our opening hours :

Simac GmbH, Pascalstr. 8, D-47506 Neukirchen-Vluyn

Possibility of restitution nearby :

We send you a parcel stamp with which you can send us your old appliance free of charge. For this possibility, you must contact us via e-mail at service@joy-it.net or via telephone.

Information about packaging:

Please package your old appliance safe during transport. Should you not have a suitable packaging material or you do not want to use your own material, you can contact us and we will send you an appropriate package.

5. SUPPORT

If any questions remain open or problems arise after your purchase, we are available by e-mail, telephone and with a ticket support system to answer these.

E-Mail: service@joy-it.net Ticket-System: http://support.joy-it.net Telephone: +49 (0)2845 98469 – 66 (10 - 17 oʻclock)

For further information visit our website: **www.joy-it.net**

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