

ESP8266 Prog







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Dear customer,

thank you for purchasing our product. Please find our instructions below.

1. Configurating the software environment

At first you need to prepare the Arduino software environment for the usage with an ESP8266.

Therefore, please add the following address to the additional Board-Manager URLs:

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

Preferences				
Settings Network				
Sketchbook location:				
C:\Users\Technik3\Documents\Arduino			Browse	
Editor language:	English (English) 👻	(requires restart of Arduino)		
Editor font size:	12			
Interface scale:	Automatic 100 - % (requires restart of Arduing	b)		
Show verbose output during: Compilation upload				
Compiler warnings:	None 👻			
Display line numbers				
Enable Code Folding				
Verify code after upload				
Use external editor				
Check for updates on startup				
☑ Update sketch files to new extension on save (.pde -> .ino)				
V Save when verifying or uploading				
Additional Boards Manager URLs: http://arduino.esp8266.com/stable/package_esp8266com_index.json				
More preferences can be edited directly in the file				
C:\Users\Technik3\AppData\Local\Arduino15\preferences.txt				
(edit only when Arduino is not running)				
		OK	Cancel	



The next step is to install the ESP8266 board-library. Open up the Boards Manager and install the **ESP8266** library.

💿 Boards Manager	x		
Type All ESP			
Arduino AVR Boards by Arduino version 1.6.18 INSTALLED Boards included in this package: Arduino Yún, Arduino/Genuino Uno, Arduino Uno WiFi, Arduino Diecimila, Arduino Nano, Arduino/Genuino Mega, Arduino MegaADK, Arduino Leonardo, Arduino Leonardo Ethernet, Arduino/Genuino Micro, Arduino Esplora, Arduino Mini, Arduino Ethernet, Arduino Fio, Arduino BT, Arduino LilyPadUSB, Arduino Lilypad, Arduino Pro, Arduino ATMegaNG, Arduino Robot Control, Arduino Robot Motor, Arduino Gemma, Adafruit Circuit Playground, Arduino Yún Mini, Arduino Industrial 101, Linino One. Online help More info	*		
esp8266 by ESP8266 Community Boards included in this package: Generic ESP8266 Module, Olimex MOD-WIFI-ESP8266(-DEV), NodeMCU 0.9 (ESP-12 Module), NodeMCU 1.0 (ESP-12E Module), Adafruit HUZZAH ESP8266 (ESP-12), ESPresso Lite 1.0, ESPresso Lite 2.0, Phoenix 1.0, Phoenix 2.0, SparkFun Thing, SweetPea ESP-210, WeMos D1, WeMos D1 mini, ESPino (ESP-12 Module), ESPino (WROOM-02 Module), WifInfo, ESPDuino. Online help More info			
2.3.0 • Install	-		
Clos	e		



As soon as you finished the installation, you can choose the **Generic ESP8266 Module** from the list of the available boards.



Your Arduino software environment is now prepared for the usage with an ESP8266.



2. Connecting & programming the ESP8266

Connect the ESP8266, as seen in the following image, to the yellow connector on the programming-module.



There is a small switch next to the yellow connector (also visible in the image). Make sure that this switch is set to **Prog** if you want to programm your ESP8266. For the regular usage, this switch needs to be set to **UART**.

Connect the programming module to an USB-Port of your computer.

If the automatic driver installation should fail, you need to manually install the drivers. Download the <u>Driver-Installationtool</u> and install the driver. After the installation is complete, make sure that the right port is chosen in your Arduino configuration.

The installed ESP8266 package comes with some great programming examples for starting with the ESP8266.

Just pick one and transfer it to your module.



3. Support

We also support you after your purchase. If there are any questions left or if you encounter any problems please contact us by mail, phone or by our ticket-supportsystem.

E-Mail: service@joy-it.net

Ticket-System: http://support.joy-it.net

Phone: +49 (0)2845 98469 - 66 (11:00 - 18:00)

For more informations, please visit our website:

www.joy-it.net