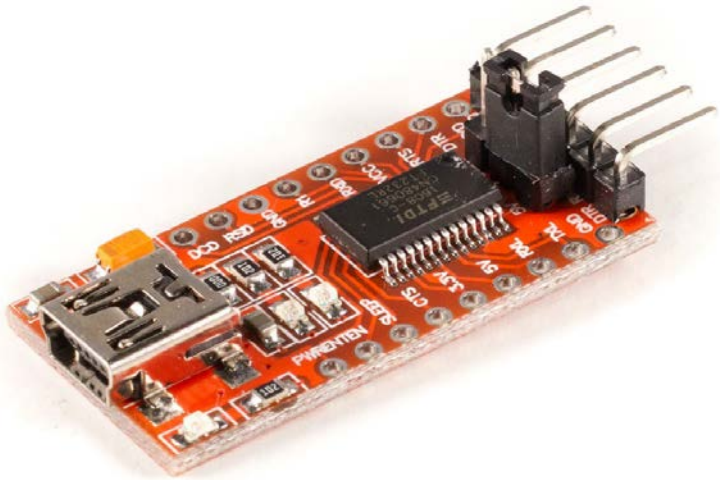
Welcome!

And thank you for purchasing our **AZ-Delivery FT232RL FTDI Adapters**! On the following pages, we will take you through the first steps of setting up the adapter to controlling hardware with a serial interface. We wish you a lot of fun!



http://flyt.it/FTDI

The **AZ-Delivery FTDI Adapter** provides a **UART data connection** between a PC and other hardware, which does not have its own USB converter. It can be set to a **3.3V-** or a **5V-Logic-Level** if needed. One can connect to a PC through a Mini-USB-B-cable.

Overview of the most important information

» Data connection via Mini-USB-B-cable

» compatible with 3.3V- and 5V-Logic

» Male Pins connectors: DTR, RX, TX,
VCC, CTS, GND

On the following pages, you will find information about

» **Driver installation**

And instructions for

» **GPS-location on the PC with the AZ-Delivery NEO-6M GPS**.

In this tutorial, it is assumed that you can work with Arduino IDE and its Terminal!

Overview of all Links

FTDI:

» Driver: *http://www.ftdichip.com/Drivers/VCP.htm*

» Datasheet: *http://www.ftdichip.com/Support/Documents/Data-Sheets/ICs/DS_FT232R.pdf*

Application programming interfaces:

» Arduino IDE: *https://www.arduino.cc/en/Main/Software*

» Web-Editor: *https://create.arduino.cc/editor*

» Arduino extension for Sublime Text: *https://github.com/Robot-Will/Stino*

Arduino Tutorials, Examples, References, Community:

» *https://www.arduino.cc/en/Tutorial/HomePage*

» *https://www.arduino.cc/en/Reference/HomePage*

Interesting information from AZ-Delivery

» AZ-Delivery NEO-6M GPS-Module: *https://az-delivery.de/products/neo-6m-gps-modul*

» Other Arduino accessories: *https://az-delivery.de/collections/arduino-zubehor*

» AZ-Delivery G+Community: *https://plus.google.com/communities/115110265322509467732*

» AZ-Delivery on Facebook: *https://www.facebook.com/AZDeliveryShop/*

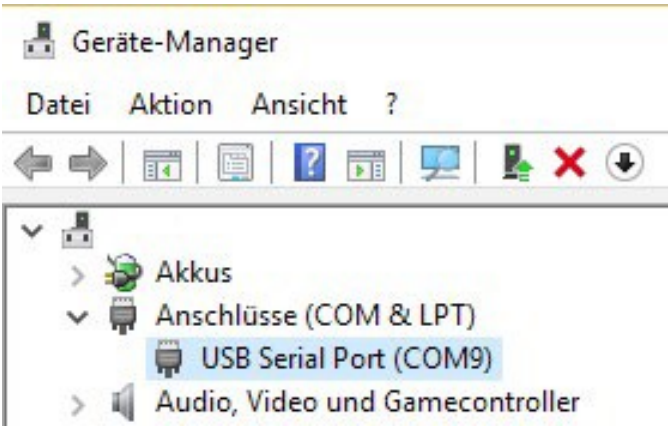
Installation of FTDI-Drivers

Normally, this step can be skipped, simply because the **FTDI USB-Converter** is already supported, by default, by most systems.

If, however, that is not the case with you, then please download the **VCP-Driver** (VCP = Virtual COM Port) that is compatible with your system, which is from the side of the chip's manufacturer, and then follow the instructions of the installation process.

» *http://www.ftdichip.com/Drivers/VCP.htm*

If necessary, restart your computer. In Windows, as soon as you connect your **FTDI-Adapter** to your PC, you should see a COM-port in the Device-Manager.



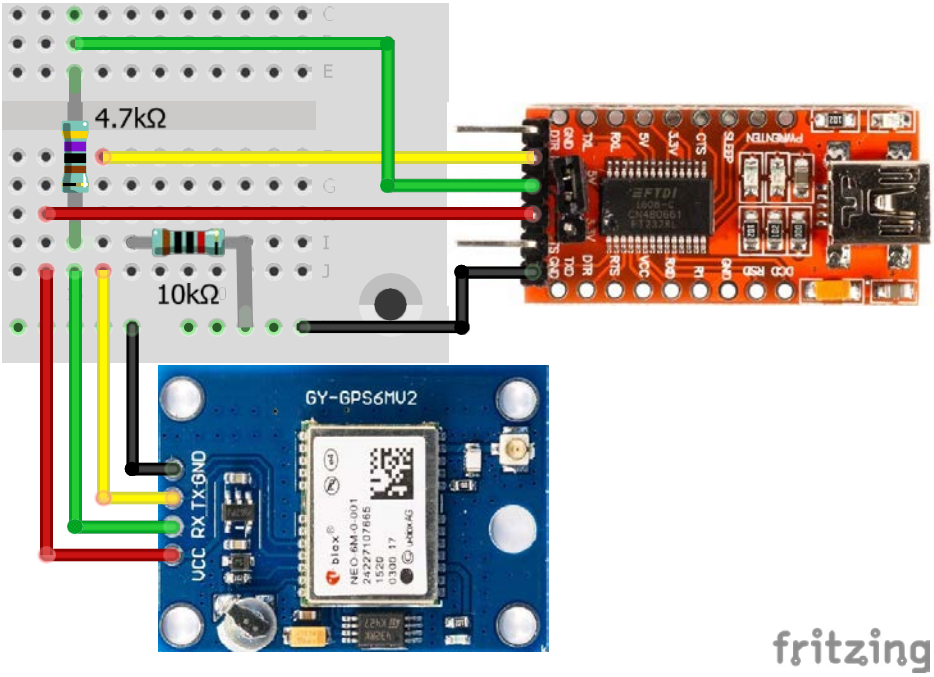
GPS-tracking with the AZ-Delivery NEO-6M GPS

The **AZ-Delivery NEO-6M GPS-Module** is one of many Arduino-compatible modules that communicate via a **serial interface**. With the help of the **FTDI-converter,** you can view the data of the GPS-receiver directly on the PC.

You can also obtain the **NEO-6M** here:

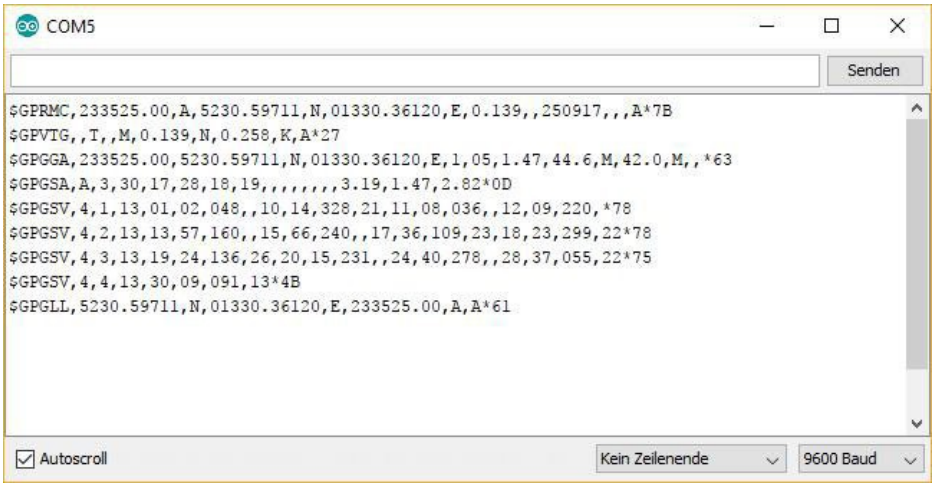
» *https://az-delivery.de/products/neo-6m-gps-modul*

Now connect both modules with one another, as shown in the picture.



Next, you have to connect the FTDI adapter to your computer, start the **Arduino IDE**, choose the correct port and open the **Terminal** at a **Baud rate** of **9600**. As soon as the GPS module is supplied with power, it commences a search for its position and passes it on via the **serial connection**.

Once the signal is found, then the terminal should look similar to the picture below:



You did it! Congratulations!

Now it is time to learn. With the assistance of the **AZ-Delivery FTDI Adapters,** you can not only receive data from a module with a serial interface but also program Controller-Chipsets, such as **ATmega328P** of an Arduino UNO or an **ESP8266** without a Board with its own USB converter. More tutorials are available on the Arduino website. And you can naturally find connecting hardware in your online store, here at:

https://az-delivery.de

Enjoy!

Imprint

https://az-delivery.de/pages/about-us