

GW Serial Example Setup

» **GATEWAY Module for serial network** uses a script for data exchange to a partner Gateway. This article shows how to put this device into operation with an example setup.



GATEWAY Module for serial network
Articlenumber: 100068

<https://www.kunbus.com/serial-rx-gateway-module.html>



GATEWAY Module for Modbus TCP
Articlenumber: 100088

<https://www.kunbus.com/serial-rx-gateway-module.html>



USB-PiBridge Plug

Articlenumber: 100101

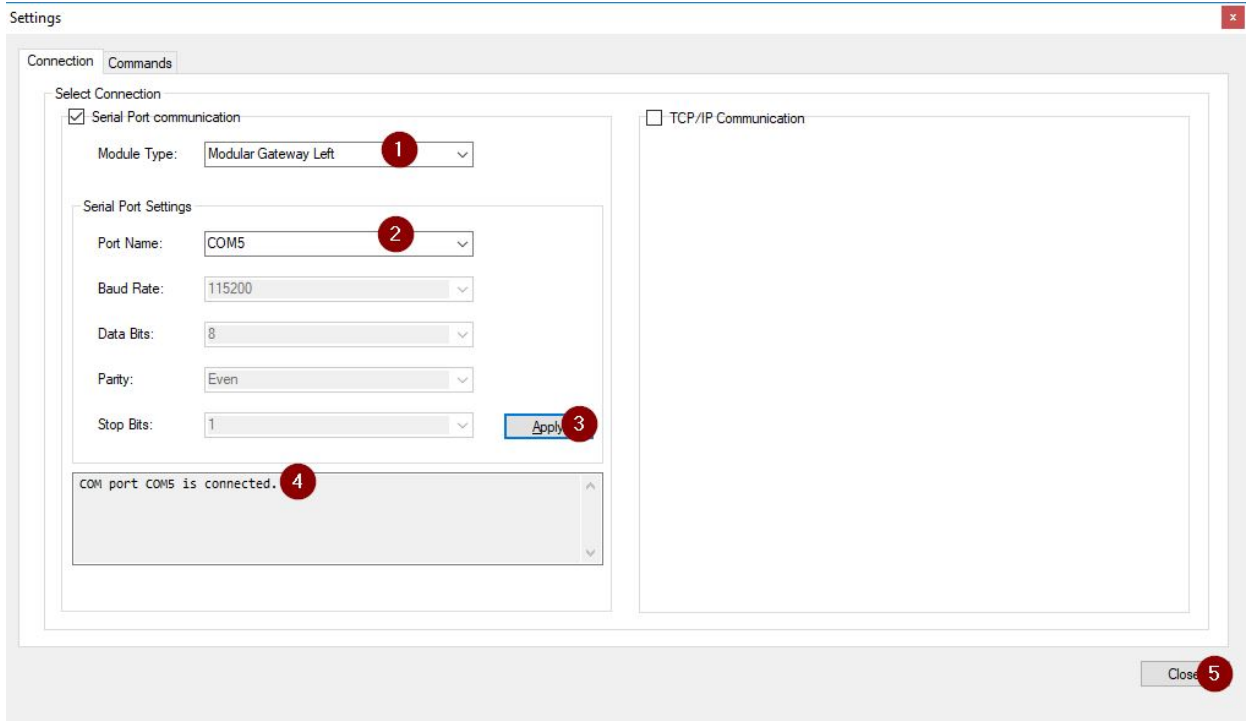
<https://revolution.kunbus.de/shop/en/usb-plug-pibridge>



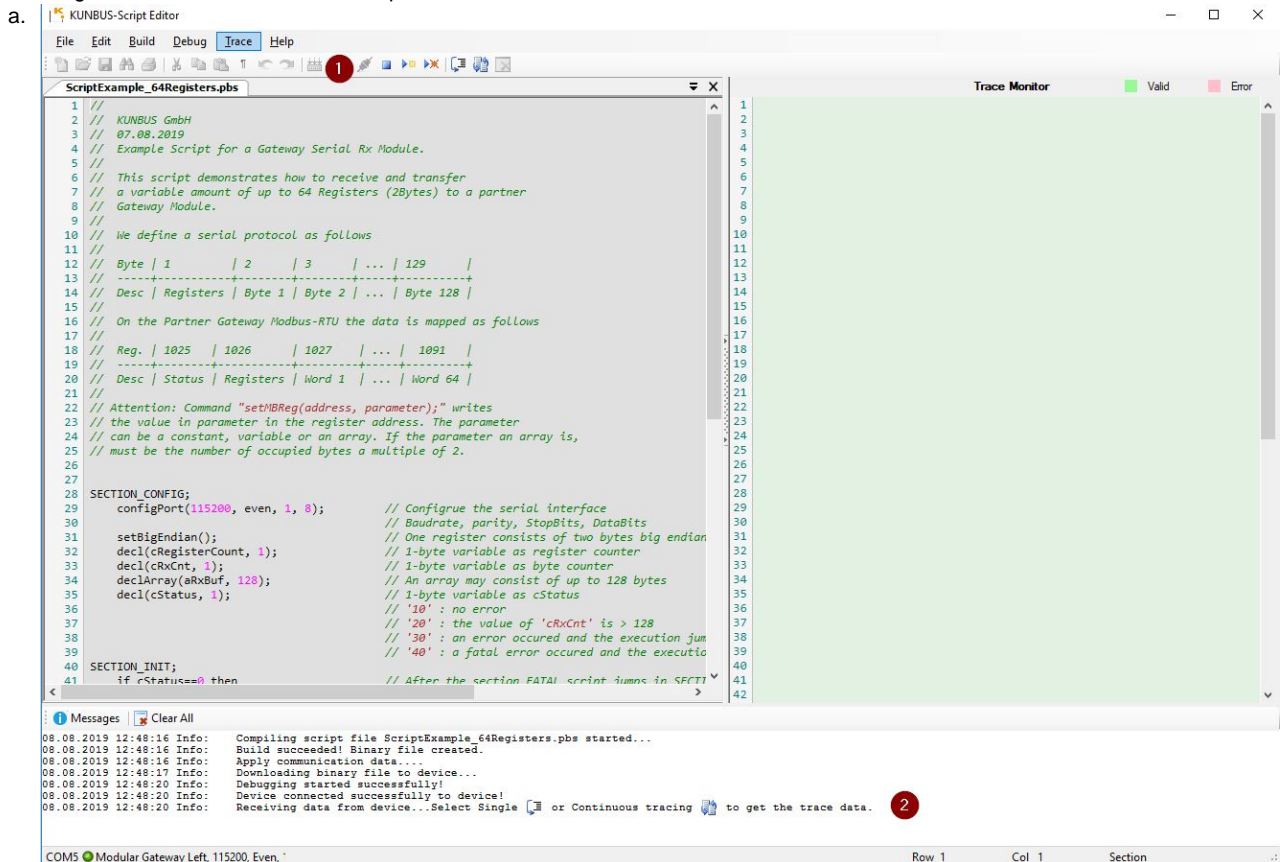
ScriptExample_64Registers.pbs

Instructions

1. Download and install the following software
 - a. KUNBUS Scripter: <https://www.kunbus.de/downloads.html>
 - b. PuTTY: <https://www.putty.org/>
 - c. QModMaster: <https://sourceforge.net/projects/qmodmaster/>
2. Connect the Gateway Modules using the PiBridge Plug
3. Power the two modules with 24V, the both power leds should light green
4. Connect the PiBridge Plug via USB to your PC
5. Open the Scripter and load the script "ScriptExample_64Registers.pbs"
6. Go to File Settings and enter the serial connection details
 - a.

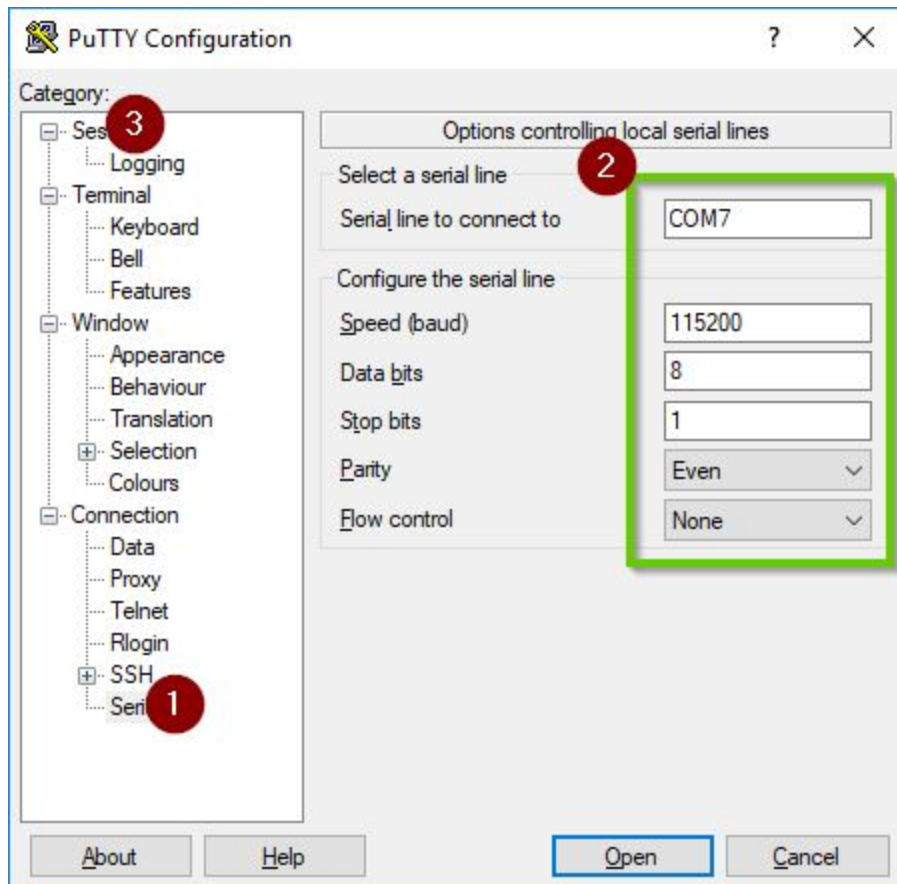


7. Click on the green button to download the script to the device

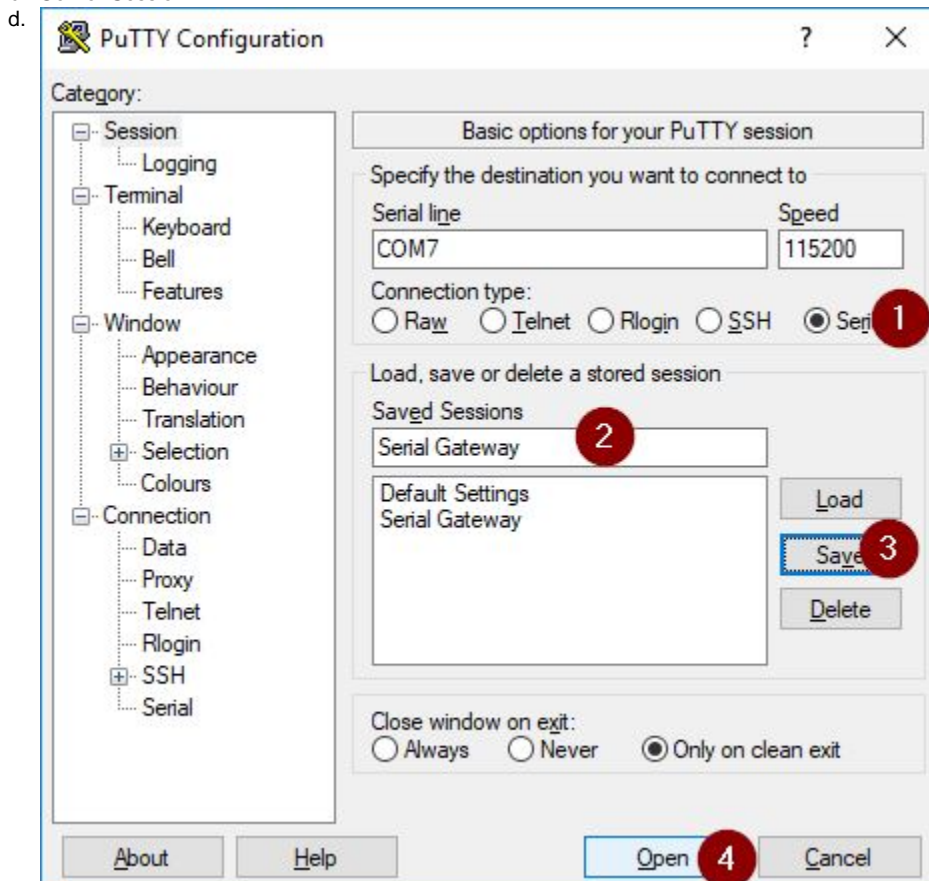


8. Open PuTTY

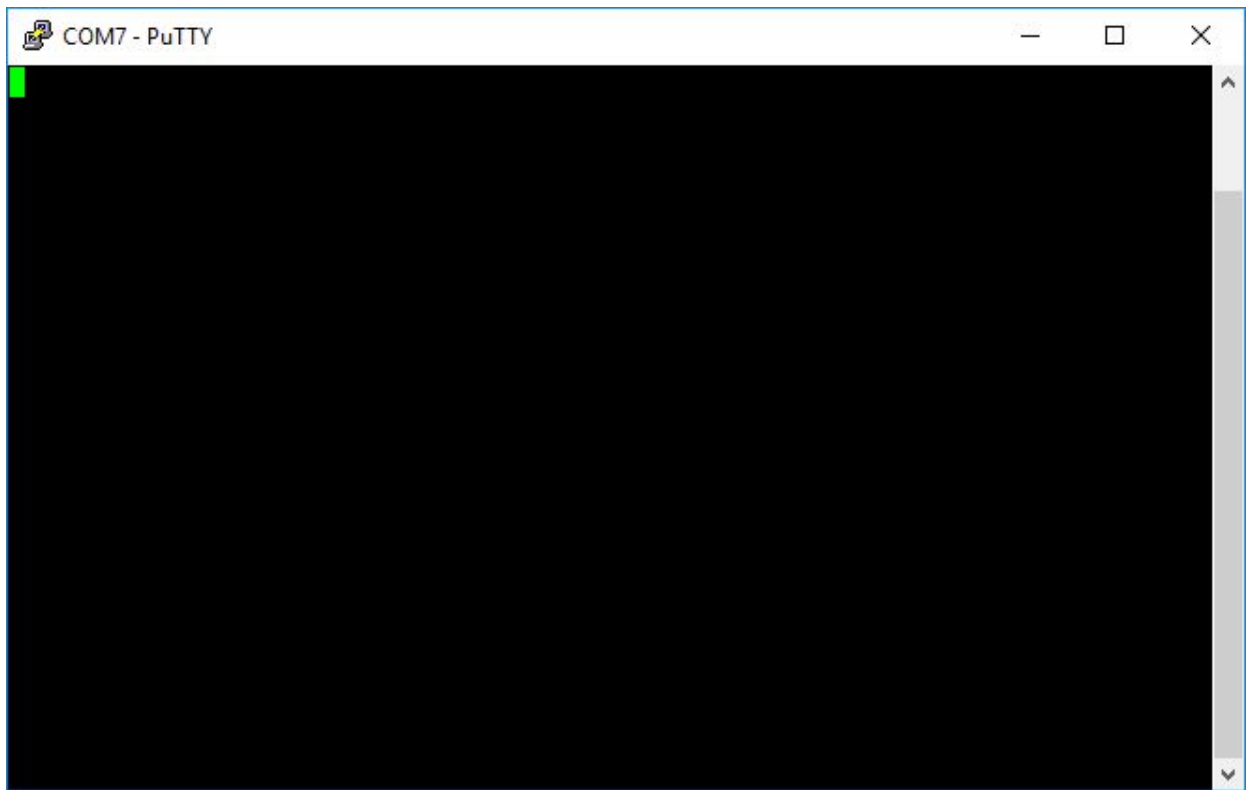
- a. Enter the serial connection details
- b.



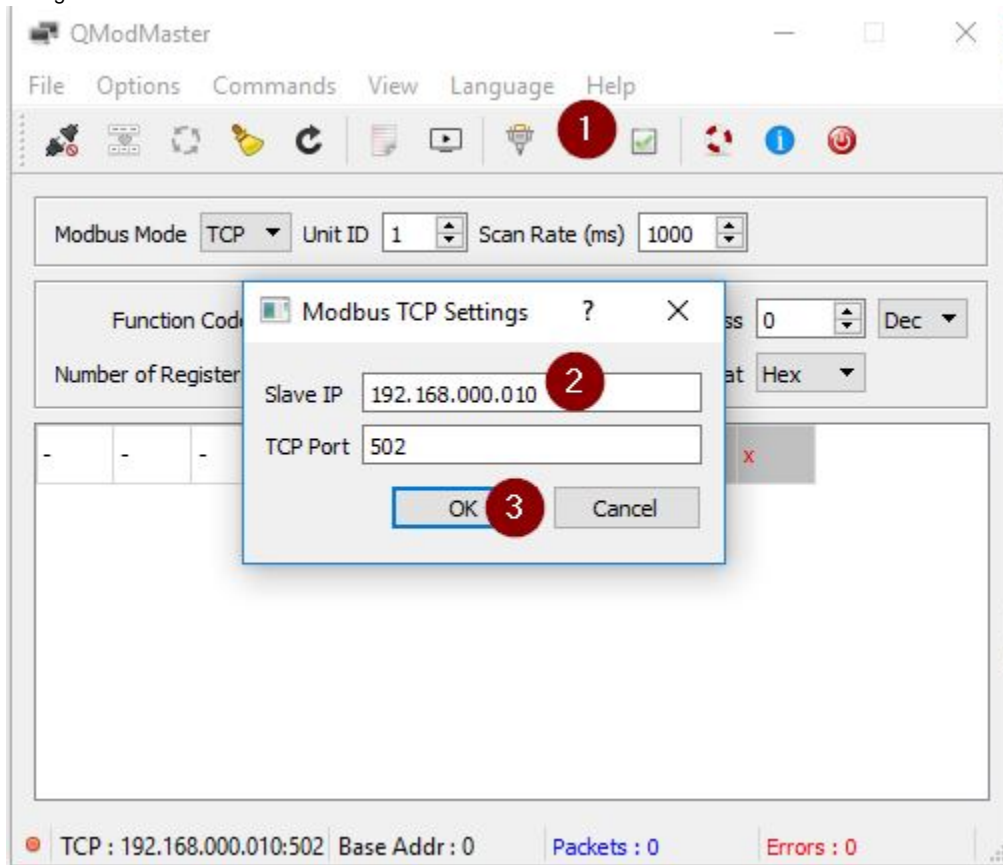
c. Go To "Session"



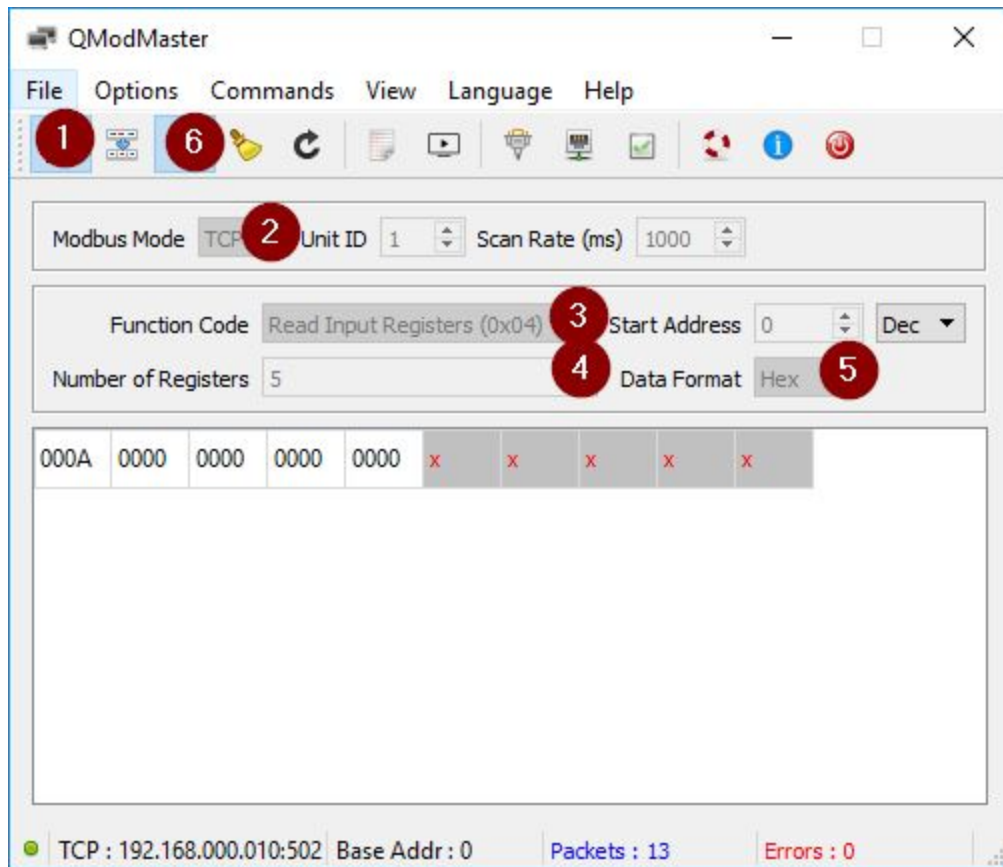
e. Open The Connection



9. Open QModmaster
 - a. Configure the TCP Connection
 - b.



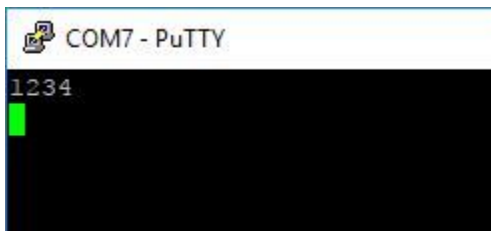
- c. Configure cyclic data exchange



d. You should see status "000A" on the first register which equals 10 decimal

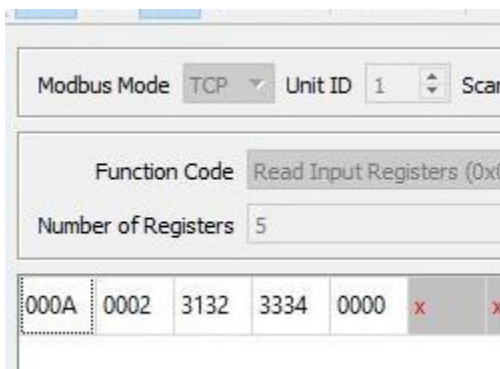
Data Transfer

Open PuTTY



1. Enter [Alt] + [Num Pad 2] into the PuTTY Terminal window (not the "2" key next to the "w" key!)
2. You do not see an output but this means we want to transfer 2 registers, i.e. 4 bytes
3. Now enter "1234"
4. You should see the output "1234" after you have typed the last character

Open QModMaster



You should see the same output:

1. "000A" Status 10 decimal - no error
2. "0002" Two registers have been transferred which means 4 bytes
3. "3132" ASCII "12"
4. "3334" ASCII "34"