

## TT180702 - Troubleshoot - Find Controller IP Using COM Port

1. Download telnet client (e.g. PuTTY <https://www.putty.org/>)
2. You need this cable

### Connecting cable OPEN EMS

Interface cable RS 232

OPEN EMS - PC

RJ45 plug on SUB-D 9-pin plug, length of 1.5 m

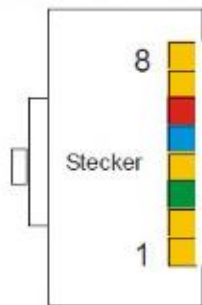
Application: Modem, M-Bus, ..., PC / Laptop

DS-RJ45DK9PC

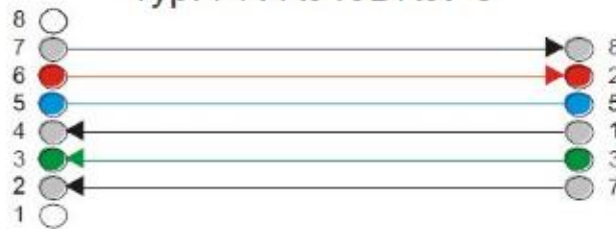


Or you can build your own cable (only Pin 2, 3, 5 are required)

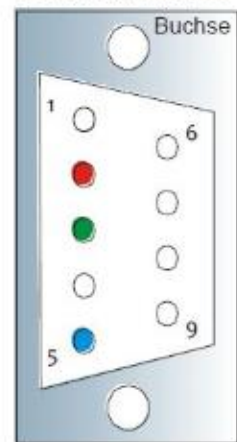
**RJ45**  
Draufsicht



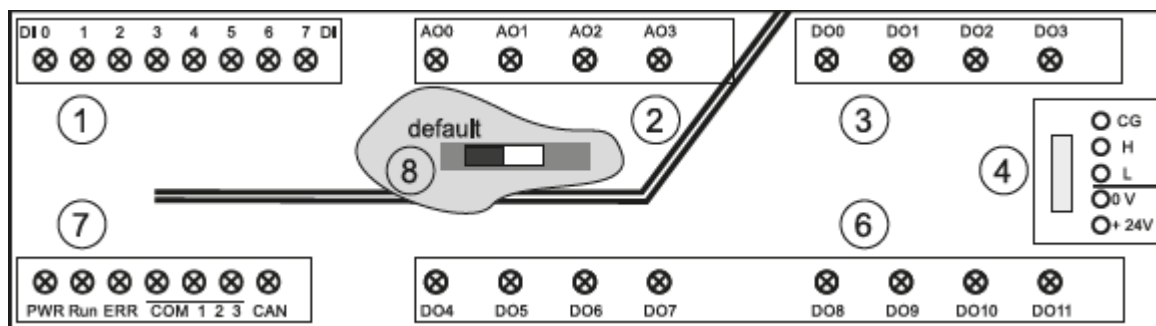
Typ: PR-RJ45DK9PC



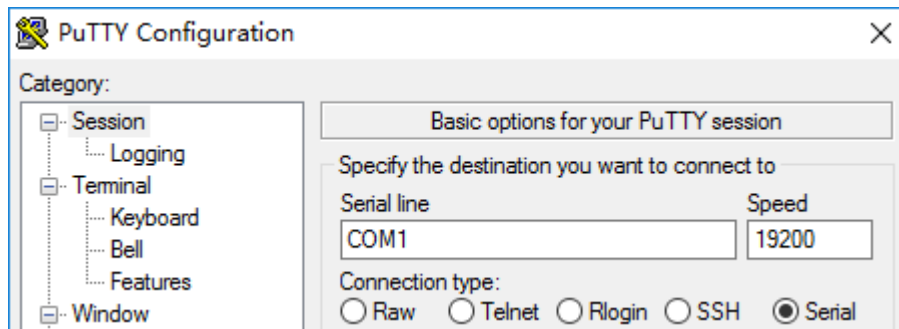
**SUB-D 9p**  
Draufsicht



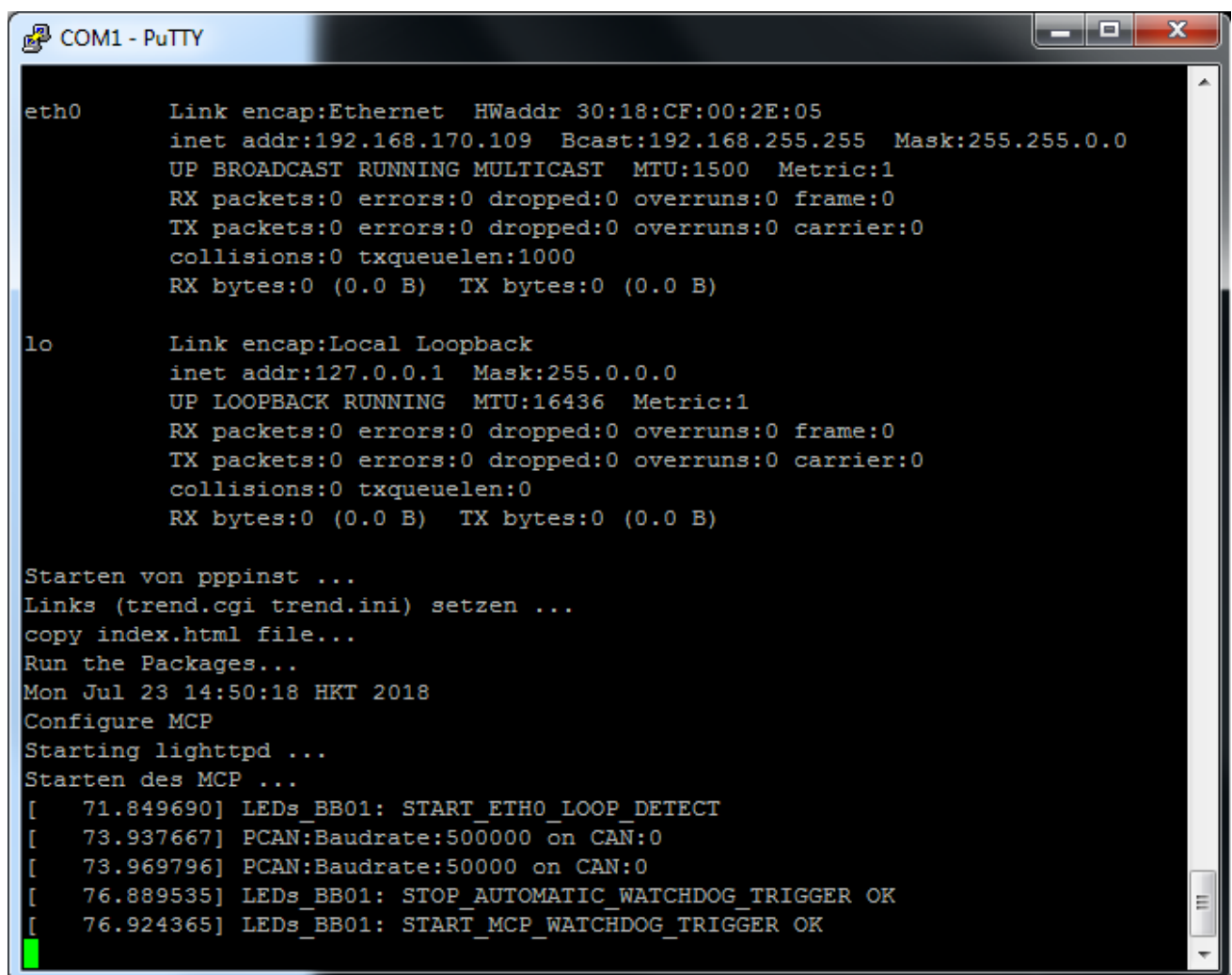
3. Turn off the controller, open the front cover, set the switch "COM1/COM2" to COM1



4. Connect the cable to "COM 1+2" on the controller and to your PC COM port (or via USB to Serial Adaptor)
5. Setup your COM port settings to (19200, 8, None, 1)
6. Start PuTTY, select "Serial", type in "COM1" and speed "19200" (or other COM port you setup in your PC), and then click "Open"



7. A window will come up. Now turn on the controller, there will be a lot of controller startup messages in the window
8. Wait for about 1-2 minutes, you should see the below message in the window when startup is finished, the line "eth0" show the IP and subnet mask of the controller.



9. Now you can turn off the controller, set the switch "COM1/COM2" back to COM2, and close the front cover.