How to use the COM Port of BRK-2841M?

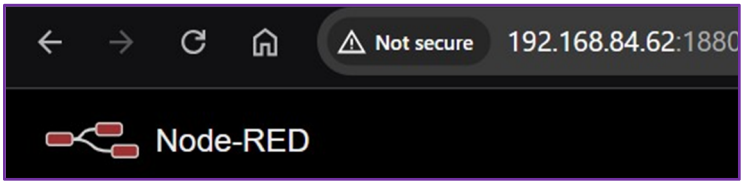
ICP DAS BRK-2841M provides Node-RED communication via COM port. This article explains how to use the COM port of BRK-2841M.

[The example uses BRK-2841M v1.1.0.0 + tM-7561 (USB to RS-485 converter) + Node-RED v4.0.9 + PC with Win11 x64 operating system + Chrome version 138.0.7204.184]

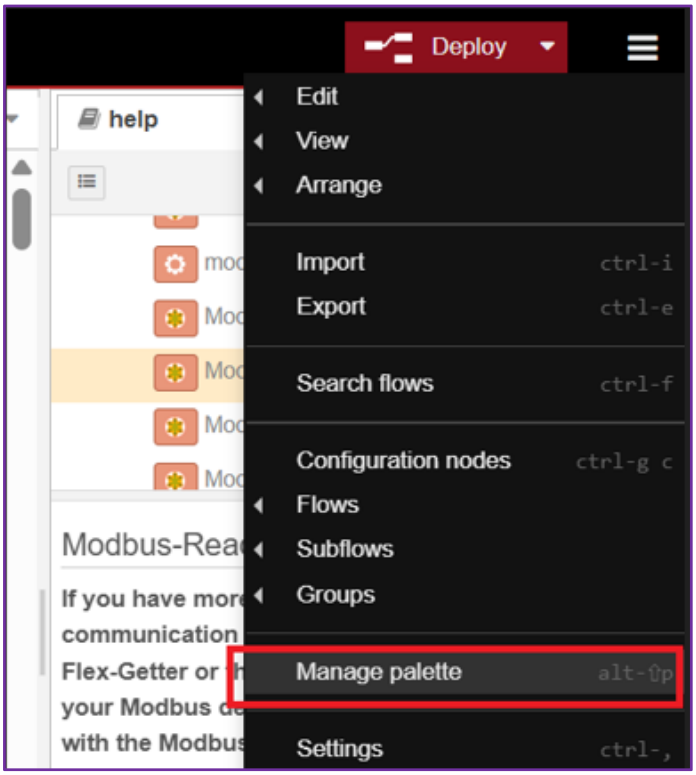
1. Enter Node-RED to set up.

1. Open a browser and enter [Your BRK IP]:1880 in the address bar.

[Example as shown below]

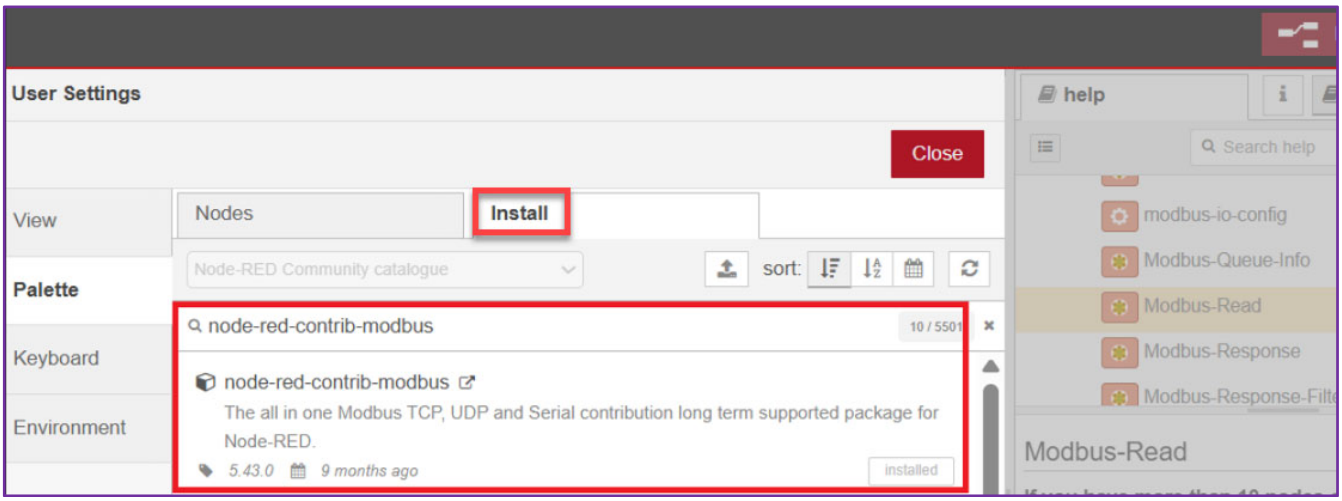


Open the right menu and click [Manage palette].

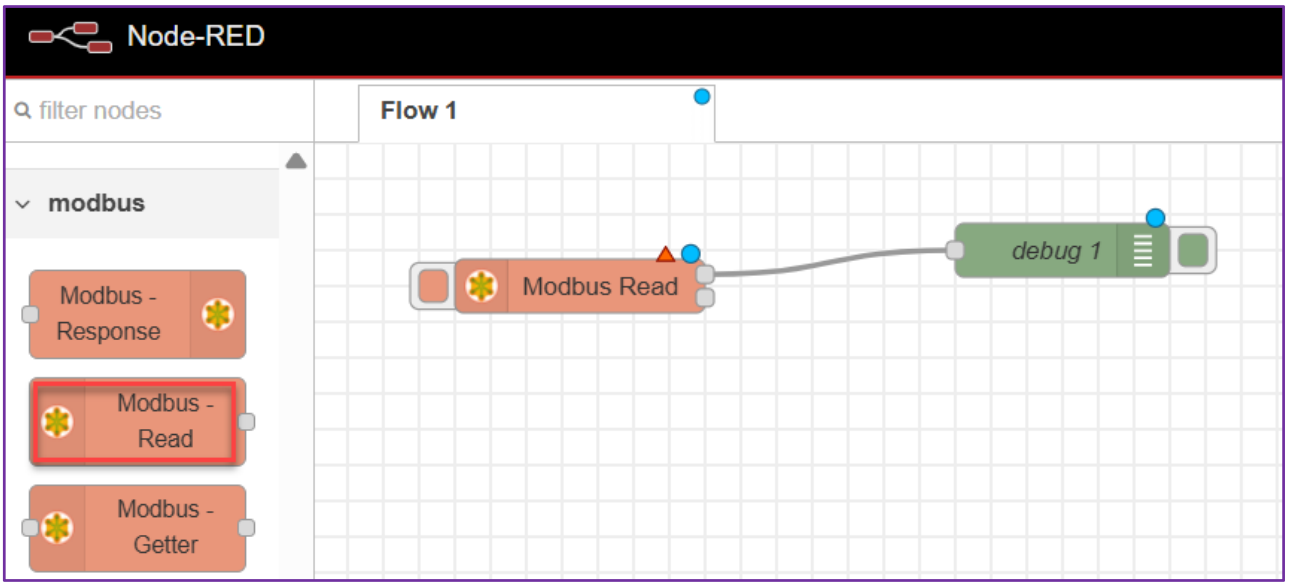


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Install **node-red-contrib-modbus**.

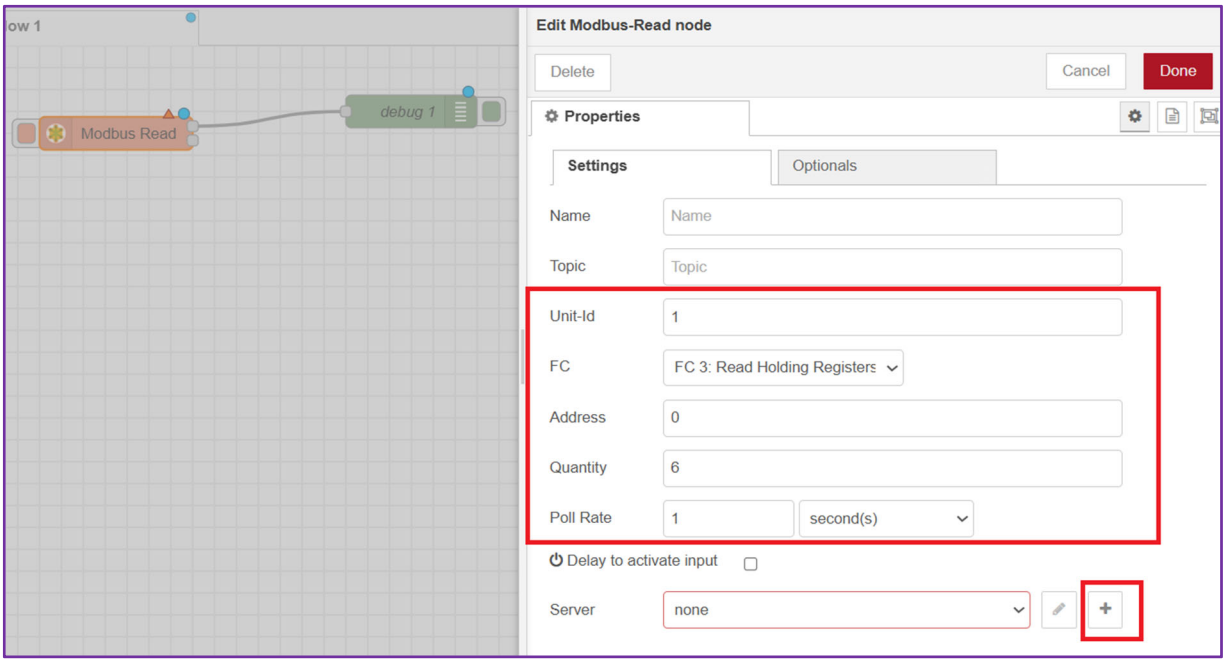


2. Drag the [Modbus Read] and [debug] nodes from the left side, and connect the top output of [Modbus Read] to [debug], as shown below.
(In this example, the BRK-2841M acts as a Modbus RTU Master.)

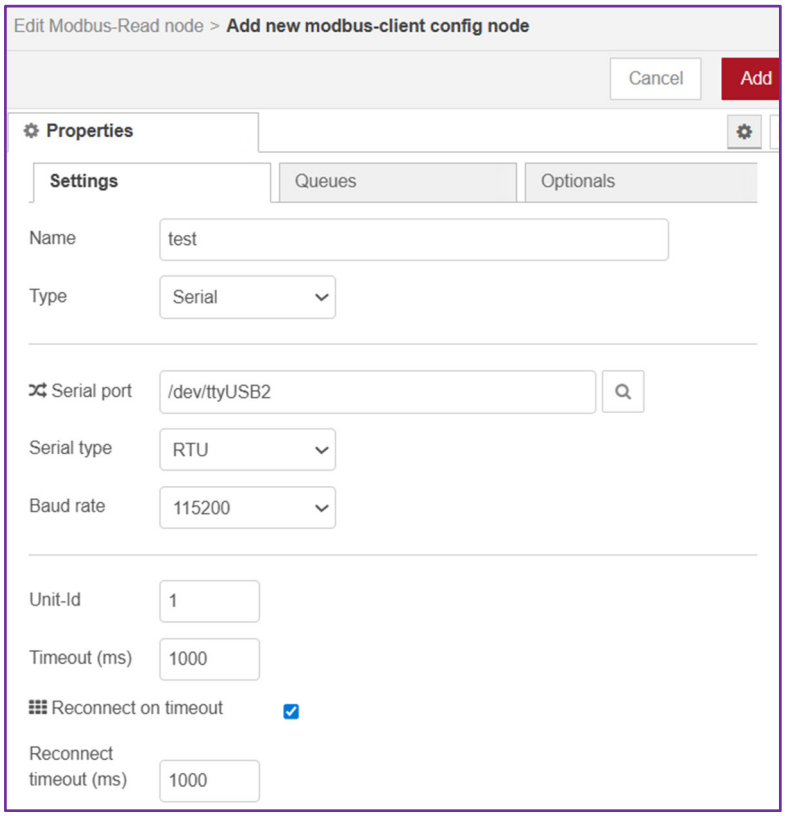


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3. Click the [Modbus Read] node to set up, and then click the plus sign on the right side of the Server. The operation method can be referred to in the red box in the following figure.

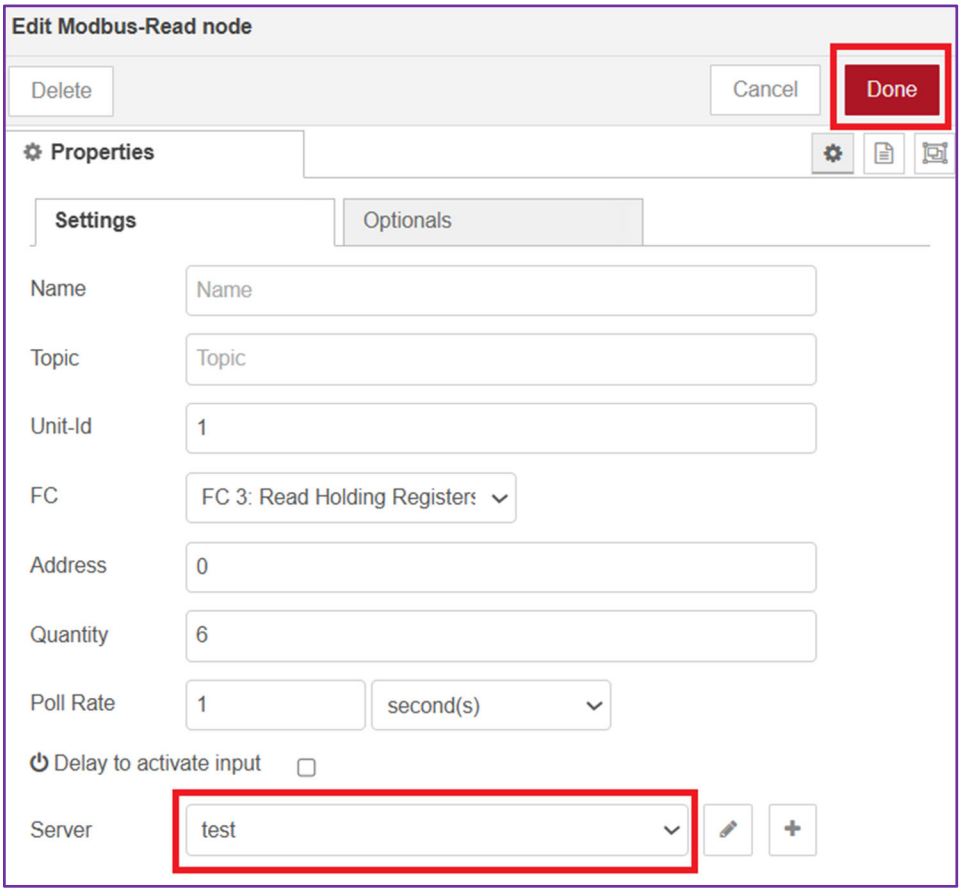


4. After clicking the plus sign, set the Serial port and click [Update], as shown below.
(We take COM4 as an example, so fill in /dev/ttyUSB2 for the Serial port. See Appendix for device name details.)

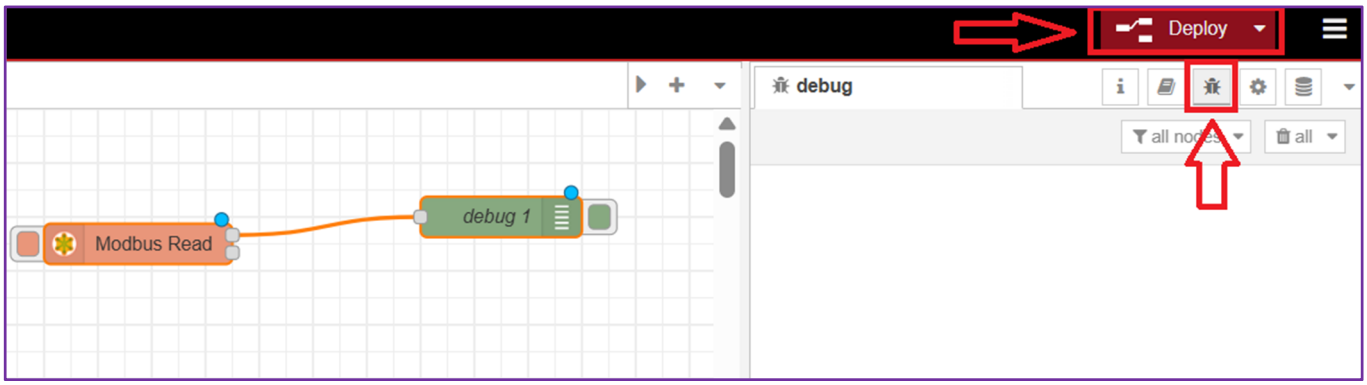


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5. Select the [test] item you just set and click Finish, as shown below.



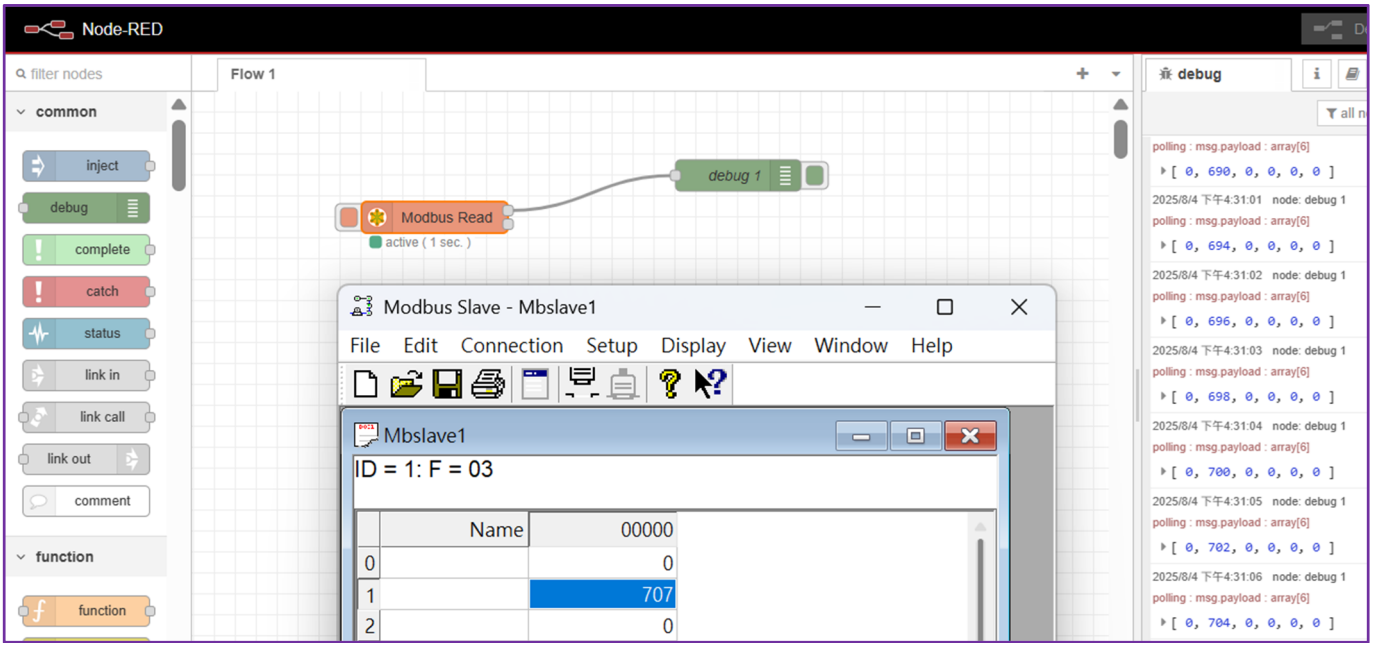
6. Tap [Deploy] at the top right and open the debug window, as below



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7. Connect the COM4 cable of the BRK-2841M and open the Modbus RTU Slave software. You can view the communication status in the debug window.

[Wiring architecture: BRK-2841M → tM-7561 (USB to RS-485 converter) → Your computer]

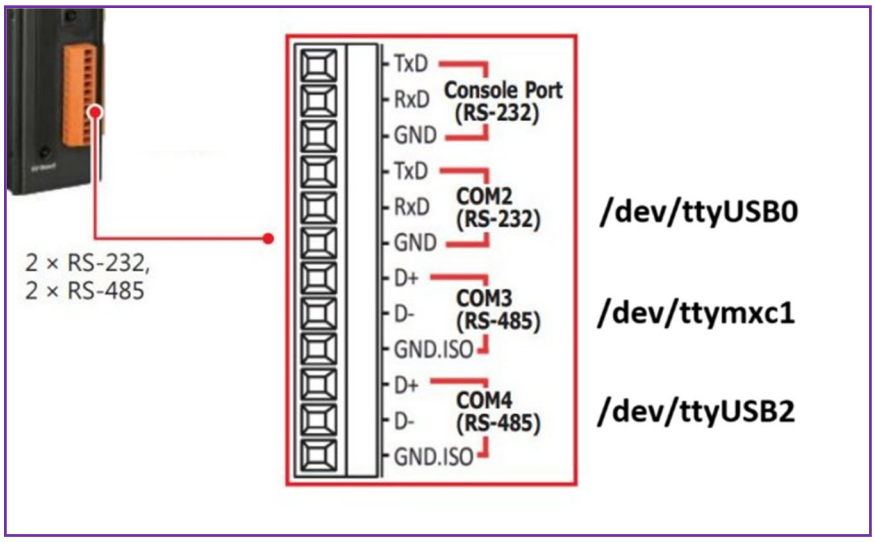


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2. Appendix

Serial port name of BRK-2841M

Name	Enclosure Name	Note
/dev/ttyUSB2	COM4	
/dev/ttymxc1	COM3	
/dev/ttyUSB0	COM2	
-	Console Port	



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