Instructions for setting up Ethernet connection
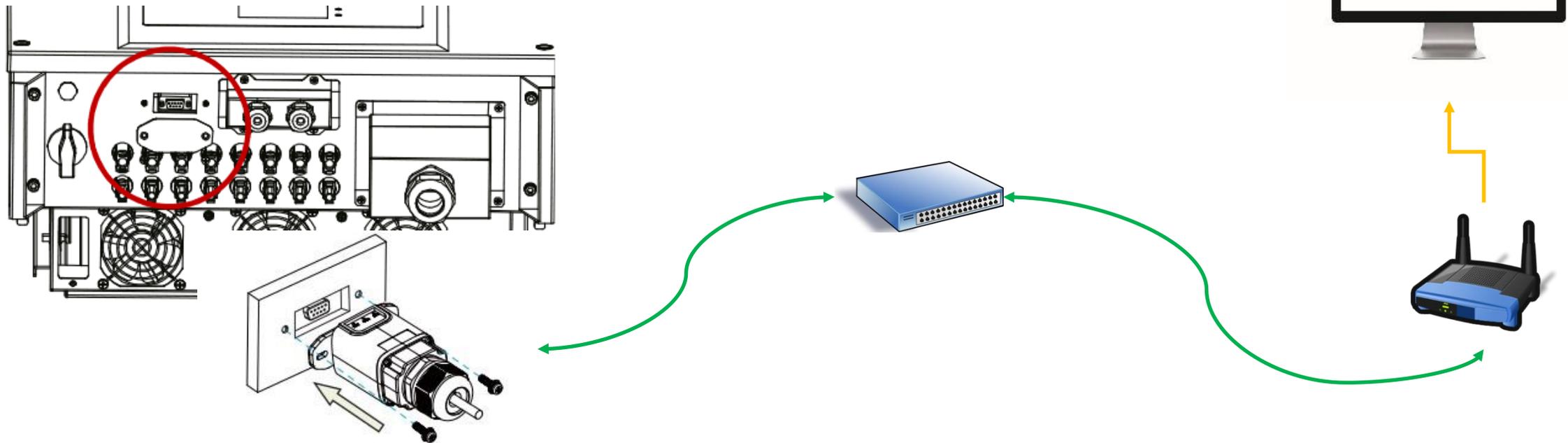
REFUsol 20K-2T, REFUsol 33K-2T & REFUsol 50K-3T

Connection

In order, an inverter to transmit data to REFUlog, an active internet connection needs to be set.

Connect the Ethernet stick to the Wi-Fi/GPRS port of inverter

Connect the installation's router/switch directly to the Ethernet stick of the inverter.

Set Modbus address to 1

Navigate to menu "Enter Setting" and sub menu "9. Set Modbus address"

1. Press ESC button in order to go to Menu "1. Enter Setting"

2. Press OK

Using navigation arrows go to "9. Set address"

1. Press OK

2. "1. Modbus" → Press OK

3. Using navigation arrows <u>set address to 01</u>

Normal	
	1. Enter Setting
	2. Event List
	3. System Info
	4. System Time
	5. Software Update

Enter Setting		
	1. Set Time	12. Set Start Parameter
	2. Clear Energy	13. Set Safety Voltage
	3. Clear Events	14. Set Safety Frequency
	4. Set Country Code	15. Set Insulation
	5. On-Off Control	16. Relay Test
	6. Relay Command	17. Set Reactive Power
	7. Enable Set Country	18. Set Power Derate
	8. Set Total Energy	19. PE Line Control
	9. Set Mod-bus Address	20. Set Reflux power
	10. Set Inputmode	21. Setting P(f)
	11. Set Language	22. Setting Q(v)
		23. Control 81.S1

LED's status of stick

Ethernet stick has 3 LED's and based on the blinking state / intervals you can check for the successful connection and transmitting of data.
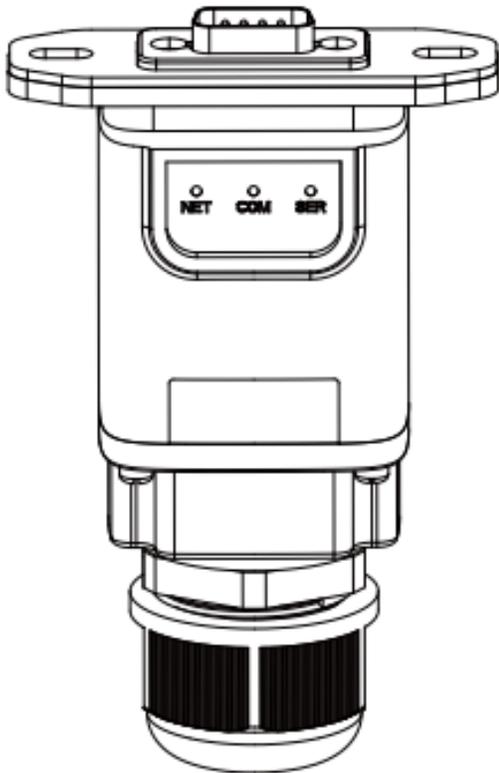
Lights	Implication	Status Description
● NET	Communication with network	1.Light off: Connection to the network failed 2.Light on: Connection to the network succeeded
● COM	Communication with inverter	1.Light off: Communication with inverter failed 2.Light on: Communication with inverter succeeded
● SER	Communication with server	1.On 6s/Off 6s(Slow flash): Connection to the server failed 2.On 1s/Off 1s(Slow flash): Connection to the server succeeded

REFUlog

You can install inverter to portal REFUlog (www.refu-log.com), by using the Activation Code that is written on the label at the right side of inverter.

Once everything is set correctly, data will start being transmitted.

Note:
Please write down both S/N of inverter and S/N of the Ethernet stick in case it is needed.