

Which device do you want to configure? Choose the device by clicking on one of the devices in the list below.

Server Name	Connection	Mac Address
MESR902T-000BEB000040	10.1.2.121	00:0B:EB:00:00:40
MESR902T-000BEB000043	10.1.2.123	00:0B:EB:00:00:43



## MESR902T-000BEB000040 ( 10.1.2.121 )

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### Port 1 - Serial

Description:

Mode:

Baud Rate:

Data Bits:

Stop Bits:

Parity:

### Help

**Description** sets the description for this serial port. Maximum length is 32 symbols. Allowed characters are symbols from 'A' to 'Z', from 'a' to 'z', numbers from '0' to '9' and the space.

**Mode** controls the physical communications mode.

**Baud Rate** controls the communications speed of the serial port.

**Data Bits** controls the number of bits of data in each character.

Only 8 data bits is valid when the protocol of the device connected to the port is RTU.

**Stop Bits** controls the number of bits to indicate the end of a character.

**Parity** controls the error checking mode.

**Modbus Configuration Manager 1.0.0**

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## Port 1 - Modbus

Attached:

Modbus:

- Enable modbus broadcast
- Enable 0Bh Exception
- Enable serial message buffering

Modbus Serial Retries

Milliseconds Modbus Message Timeout

Milliseconds TX Delay

## Help

**Attached** is selectable between Master and Slaves. If Master is selected, the Modbus Gateway will run in TCP server mode, if Slaves is selected, it will run in TCP client mode.

**Modbus** indicates the protocol of the device connected to the port. It can be either RTU or ASCII.

**Modbus Broadcast** is used to send Modbus broadcasts to a specific serial port. Modbus broadcast is Slave ID 0h. If selected the Gateway will send broadcast messages out the serial port and will not expect a response. If unselected it will use slave ID 0h as a standard address.

**Modbus 0Bh Exception.** When the Modbus slave device does not respond before the timeout has been reached or has a bad response (check sum does not match), the 0Bh exception code is transmitted to the Master that initiated the Modbus message.

**Modbus Serial Message Buffering.** If option is selected, the gateway will buffer up to 32 messages request per port. If this option is unselected, the gateway will respond with a 06h if it has a message out on the port with no response yet.

**Modbus Serial Retries** is the maximum number of times that the Modbus gateway will retry to send a Modbus message to a Modbus client, before reporting a 0Bh exception if it is selected. Number of retries is limited to 5.

**Modbus Message Timeout** is the maximum amount of time to wait for a response to the message. Valid value range is from 1 to 65535.

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### Port 2 - Serial

Description:

Mode:

Baud Rate:

Data Bits:

Stop Bits:

Parity:

### Help

**Description** sets the description for this serial port. Maximum length is 32 symbols. Allowed characters are symbols from 'A' to 'Z', from 'a' to 'z', numbers from '0' to '9' and the space.

**Mode** controls the physical communications mode.

**Baud Rate** controls the communications speed of the serial port.

**Data Bits** controls the number of bits of data in each character.

Only 8 data bits is valid when the protocol of the device connected to the port is RTU.

**Stop Bits** controls the number of bits to indicate the end of a character.

**Parity** controls the error checking mode.

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### Modbus Slave ID Routing

ID:	<input checked="" type="checkbox"/>	<input type="text" value="150"/>	-	<input type="text" value="150"/>	To	IP Address	<input type="text" value="10.1.2.200"/>
ID:	<input checked="" type="checkbox"/>	<input type="text" value="1"/>	-	<input type="text" value="5"/>	To	Serial Port 2	<input type="text"/>
ID:	<input checked="" type="checkbox"/>	<input type="text" value="205"/>	-	<input type="text" value="205"/>	To	Serial Port 2	<input type="text"/>
ID:	<input checked="" type="checkbox"/>	<input type="text" value="151"/>	-	<input type="text" value="160"/>	To	IP Address	<input type="text" value="10.1.2.57"/>
ID:	<input type="checkbox"/>	<input type="text"/>	-	<input type="text"/>	To	IP Address	<input type="text"/>
ID:	<input type="checkbox"/>	<input type="text"/>	-	<input type="text"/>	To	IP Address	<input type="text"/>
ID:	<input type="checkbox"/>	<input type="text"/>	-	<input type="text"/>	To	IP Address	<input type="text"/>
ID:	<input type="checkbox"/>	<input type="text"/>	-	<input type="text"/>	To	IP Address	<input type="text"/>
ID:	<input type="checkbox"/>	<input type="text"/>	-	<input type="text"/>	To	IP Address	<input type="text"/>

### Help

The first box in line is the starting ID of a range you want to route. Valid value range is from 1 to 255.

The second box in line is the last ID of that range. Valid value range is from 1 to 255.

The third box in line is a port or IP address which has slave devices attached.

The fourth box in line is an IP address of the slave device if IP address is chosen in the third box.