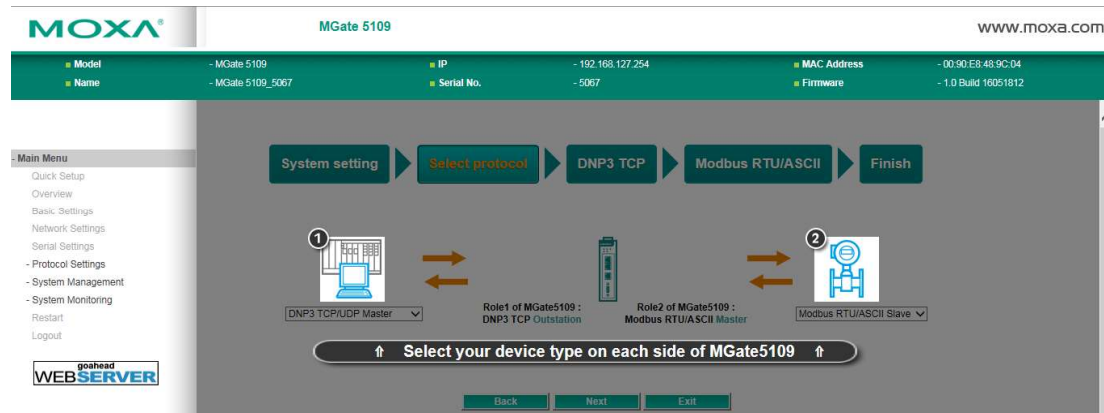


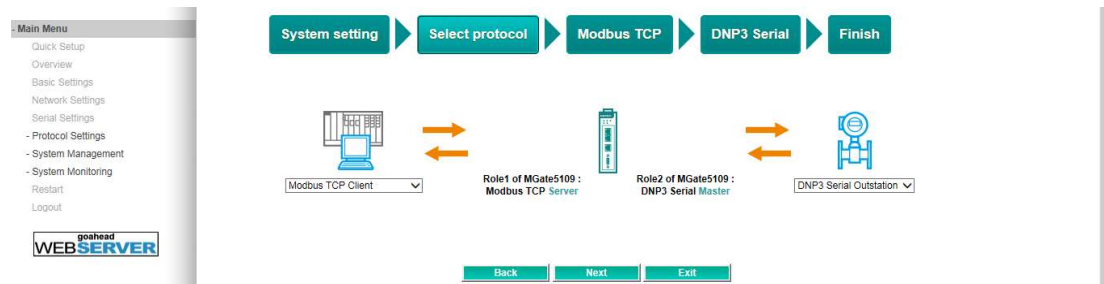
Quick Setup—Select Protocol

Then, you should select your devices' protocols on each side. After selection, MGate will change its role to the correct one. For example, if the device is set as a DNP3 TCP/UDP Master, MGate will then automatically configure as a DNP3 TCP/UDP Outstation by itself. Regarding protocol configuration, refer to *chapter 4*.

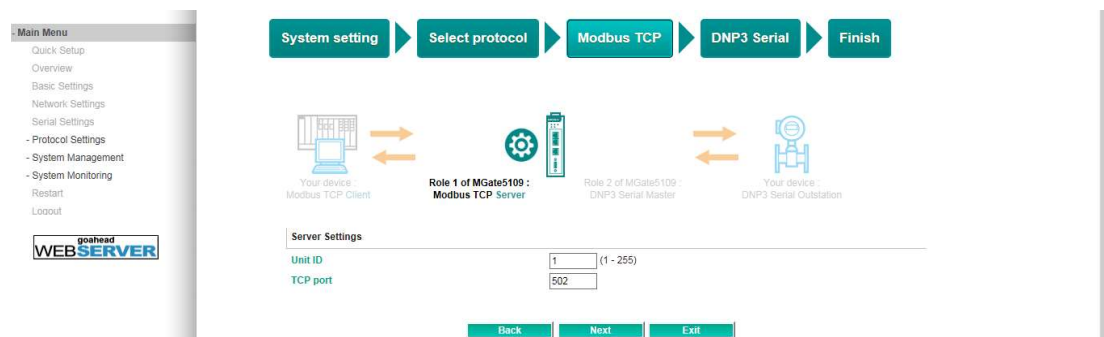


Quick Setup—Role 1 and Role 2 of MGate 5109 (Example 1)

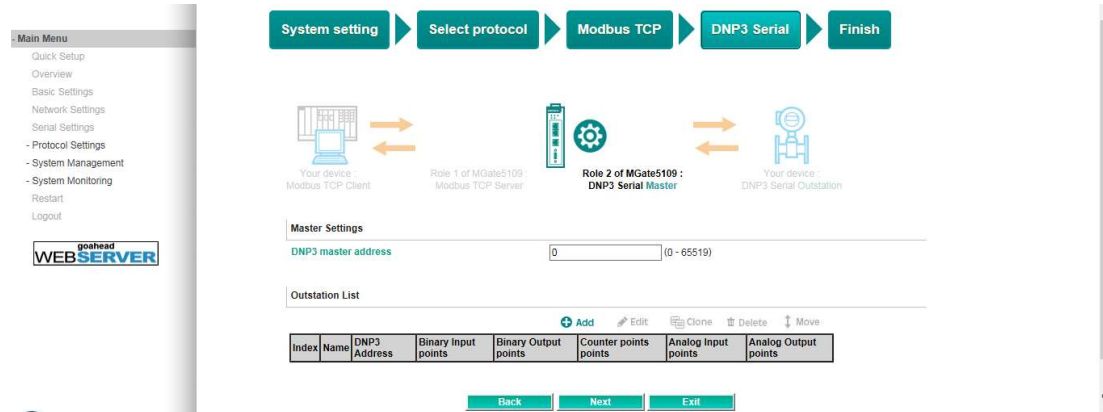
After finishing the device protocol selection, Role 1 and Role 2 of MGate will be confirmed. You will need to configure the roles on each side by the following steps. Here is an example of Role 1 as a Modbus TCP Server, and Role 2 as a DNP3 Serial Master.



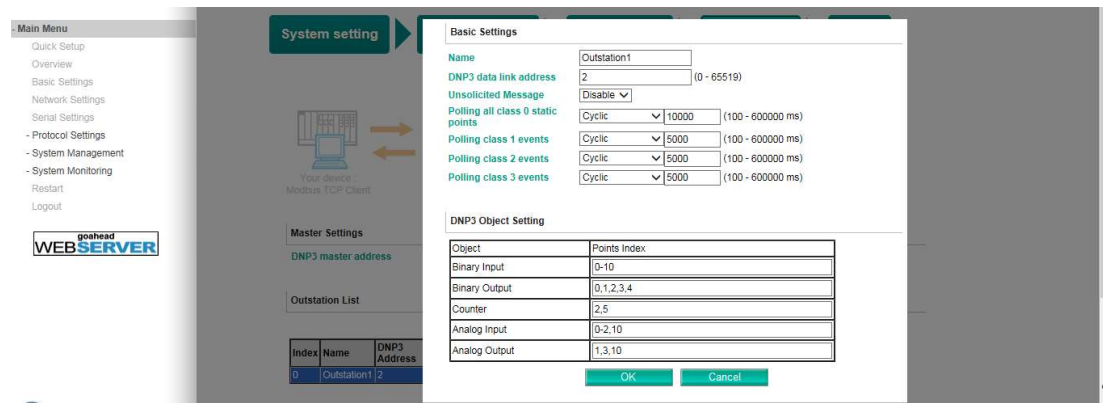
Modbus TCP settings: Set MGate Unit ID and TCP port.



DNP3 serial settings: Set MGate DNP3 Master ID address.

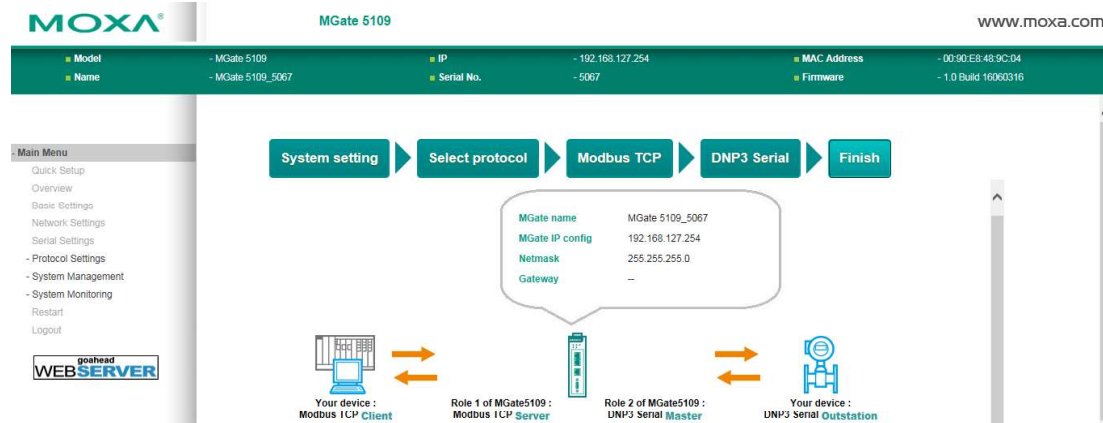


DNP3 serial settings: Add DNP3 Outstation List. For configuration details, refer to *chapter 4*.



Quick Setup—Finish (Example 1)

Once all the configurations are done, you can check if the parameters are correct on this webpage. Click **Save** to make the parameters effective. To view DNP3 mapping data go to the **Protocol Settings > I/O Data Mapping** page. For additional details, refer to *chapter 4, Protocol Settings—I/O Data Mapping*.



MGate Protocol1 Settings		MGate Protocol2 Settings	
Protocol type	Modbus TCP Server	Protocol type	Dnp3 Serial Master
Unit ID	1	Outstation 1	Name
TCP port	502		Outstation1
			DNP3 Address
			2
			BI points index
			0-10
			BO points index
			0,1,2,3,4
			Counter points index
			2,5
			AI points index
			0-2,10
			AO points index
			1,3,10

Quick Setup—Role 1 and Role 2 of MGate 5109 (Example 2)

Here is an example of Role 1 as a DNP3 TCP/UDP Outstation, and Role 2 as a Modbus RTU/ASCII Master.

DNP3 TCP settings: For configuration details, refer to *chapter 4*.

Main Menu
Quick Setup
Overview
Basic Settings
Network Settings
Serial Settings
- Protocol Settings
- System Management
- System Monitoring
Restart
Logout
goahead
WEB SERVER

System setting → Select protocol → DNP3 TCP → Modbus RTU/ASCII → Finish

Your device: DNP3 TCP/UDP Client

Role 1 of MGate5109: DNP3 TCP/UDP Outstation

Role 2 of MGate5109: Modbus RTU/ASCII Master

Your device: Modbus RTU/ASCII Slave

Mode selection
Outstation

Basic Settings

DNP3 address: 4 (1 - 65535)
Local TCP port: 20000 (1 - 65535)
Enable unsolicited response: Enable
Unsolicited response master DNP3 address: 3 (1 - 65519)
Unsolicited response master IP/Port: 192.168.1.1 20000 (1 - 65535)

DNP Object Settings

Object Type	Number of Points
Binary Input	100
Binary Output	100
Counter	32
Analog Input	32
Analog Status Output	32

Modbus RTU/ASCII settings: For configuration details, refer to *chapter 4*.

Main Menu
Quick Setup
Overview

Main Menu
Quick Setup
Overview
Basic Settings
Network Settings
Serial Settings
- Protocol Settings
- System Management
- System Monitoring
Restart
Logout
goahead
WEB SERVER

System setting → Select protocol → DNP3 TCP → Modbus RTU/ASCII → Finish

Your device: DNP3 TCP Master

Role 1 of MGate5109: DNP3 TCP Outstation

Role 2 of MGate5109: Modbus RTU/ASCII Master

Your device: Modbus RTU/ASCII Slave

Modbus Mode

Mode selection
Modbus RTU

Serial Parameter Settings

Baud rate	Parity	Data bit	Stop bit	Flow control	Interface	RTS on delay	RTS off delay
38400	None	8	1	None	RS-232	0	0

Modbus Commands

*press ctrl key to multi-select

Index	Name	Slave ID	Function	Address / Quantity
1	Command1	2	3	Read address 0, Quantity 10
2	Command1	3	3	Read address 0, Quantity 10

Back Next Exit