

# Qmotion integration

For this integration the NXT server should be upgraded to alpha version 3.40-6. Go to Global settings and change the Firmware to 'alpha'. Then proceed to the modules page and start a new download of the firmware. Once the download is finished, you can install the latest alpha version.

This page describes how to integrate Qmotion shades that are installed through wired RS485 with a Dobiss NXT installation.

## Moxa gateway

Model: Nport 5150

<https://www.moxa.com/en/products/industrial-edge-connectivity/serial-device-servers/general-device-servers/nport-5100-series/nport-5150>

### Network settings

- Set the gateway on a fixed IP address

The Dobiss NXT server and the Moxa gateway need to be installed on the same local network.



**MOXA** [www.moxa.com](http://www.moxa.com)

**Main Menu**

- Overview
- Basic Settings
- Network Settings
- Serial Settings
- Operating Settings
- Accessible IP Settings
- Auto Warning Settings
- Monitor
- Change Password
- Load Factory Default
- Save/Restart

### Network Settings

|                  |               |
|------------------|---------------|
| IP address       | 10.10.1.76    |
| Netmask          | 255.255.255.0 |
| Gateway          | 10.10.1.254   |
| IP configuration | Static        |
| DNS server 1     | 10.10.2.101   |
| DNS server 2     | 10.10.1.254   |

#### SNMP Setting

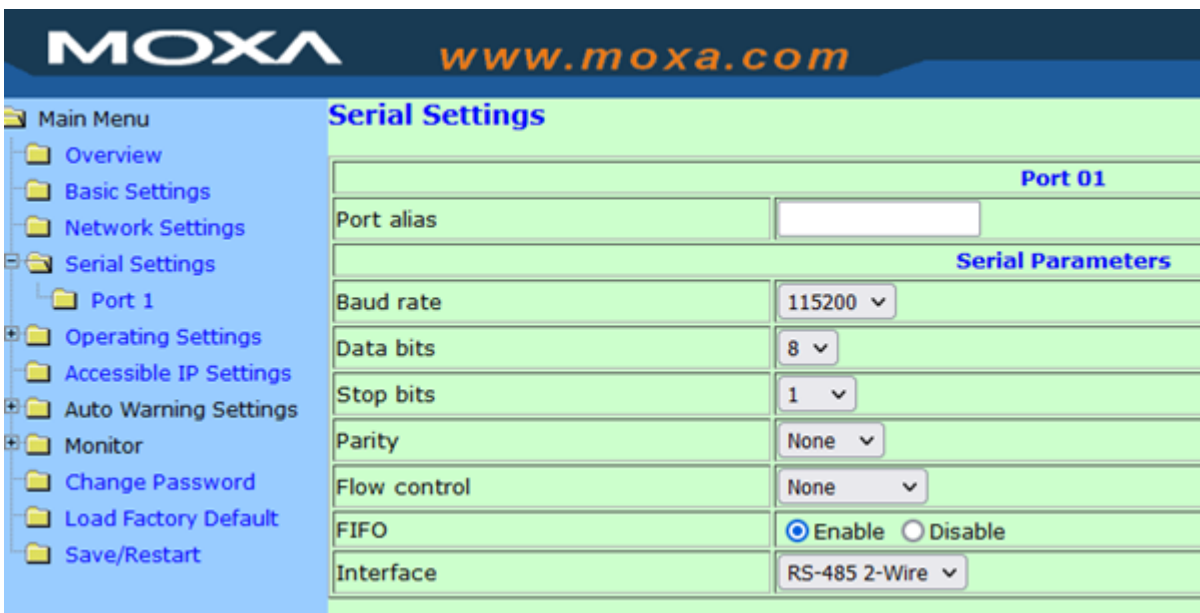
|                |   |
|----------------|---|
| SNMP           | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| Community name | ..... (max: 31 characters)  |
| Contact        |   |
| Location       |   |

#### IP Address report

|                         |            |
|-------------------------|------------|
| Auto report to IP       |            |
| Auto report to UDP port | 4002       |
| Auto report period      | 10 seconds |

Submit

## Serial settings



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**Main Menu**

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### Serial Settings

#### Port 01

|            |  |
|------------|--|
| Port alias |  |
|------------|--|

#### Serial Parameters

|              |   |
|--------------|---|
| Baud rate    | 115200  |
| Data bits    | 8   |
| Stop bits    | 1   |
| Parity       | None  |
| Flow control | None  |
| FIFO         | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| Interface    | RS-485 2-Wire   |

## Operation settings

Following parameters in the screenshot need to be adapted:

- \* Max connection: 4
- \* Ignore jammed IP: Yes

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**Operating Settings**

**Port 01**

Operation mode: TCP Server Mode

TCP alive check time: 7 (0 - 99 min)

Inactivity time: 0 (0 - 65535 ms)

Max connection: 1

Ignore jammed IP: ☒ No ☐ Yes

Allow driver control: ☒ No ☐ Yes

**Data Packing**

Packing length: 0 (0 - 1024)

Delimiter 1: 0 (Hex) ☐ Enable

Delimiter 2: 0 (Hex) ☐ Enable

Delimiter process: Do Nothing (Processed only when Packing length is 0)

Force transmit: 0 (0 - 65535 ms)

**TCP Server Mode**

Local TCP port: 4001

Command port: 966

Submit

## Qmotion

Collect the shade identifiers by scanning the QR code on the devices. The ID starts with 000D

## Dobiss integration

1. Go to Configuration > Partners > Wireless > Qmotion
2. Fill out the IP address
3. Add a shade or group via the + button
4. Give the shade a name, fill in the ID (000D... or a number for a group) and choose the type (shade or group)

**Configuratie qmotion**

qmotion\_config

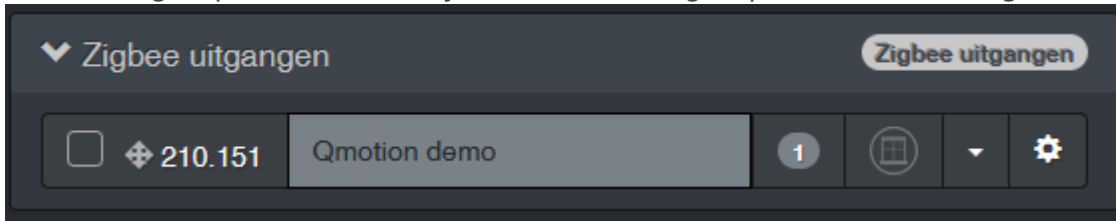
qmotion\_ip: 10.10.1.76

+ qmotion\_shades\_groups

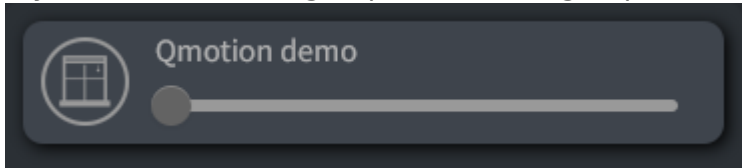
| Name         | ID               | Type          |
|--------------|------------------|---------------|
| Qmotion demo | 000D6F000B7C6C46 | qmotion_shade |

5.

Once all shades and groups are added, go to the Out/In page of the configuration to order them into groups. You will find your shades and groups in the list of 'Zigbee outputs':



6. If you add the shade/group to a Dobiss group, it will be visible in the Touch UI:



7. When the shade is controlled manually, from a group or by another remote; the status will be updated in Dobiss after a few seconds.

*The status polling is done for the moment for each shade individually, but polling of group 0 might speed up this process.*

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