

[EN] DOBISS NXT

- [Quick-start guide NXT XS D05521](#)
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Quick-start guide NXT XS

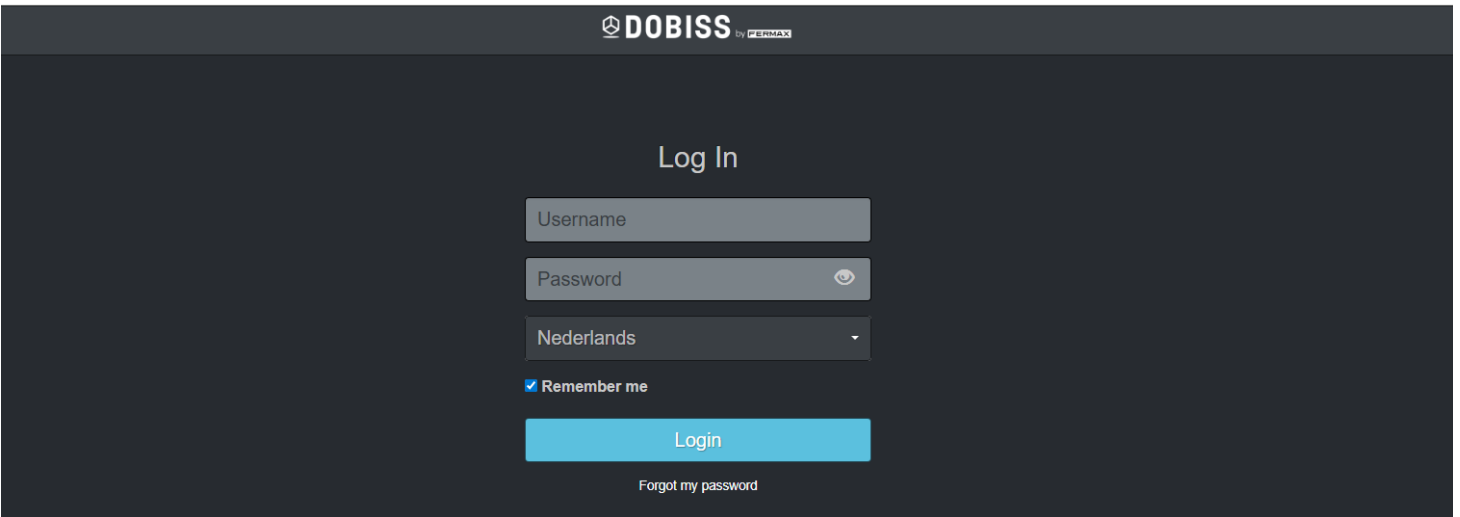
D05521

Installation of the NXT-server

- Connect the Dobiss 4016/2 power supply to the + and - terminals of the NXT server.
- Connect the NXT server (LAN port) to the customer's router or your own router.
- Connect the CAN bus of the NXT server to the CAN bus of the other modules in the installation.
Check that the CAN bus terminating resistors are set to '**ON**' only on the first and last module!
- Switch on the power supply; the green LED will remain lit continuously and after about 10 seconds the blue LED will start flashing at a hear rate frequency.

Login to the NXT-server

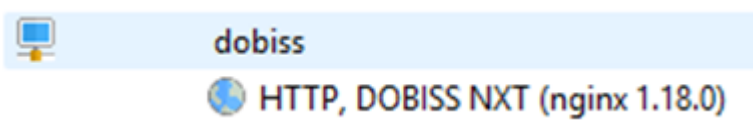
Using a web browser of your choice, go to <http://dobiss.local> and log in with: **Username: dobiss**
Paswoord: dobiss



The image shows the login page for DOBISS by PERMAX. The page has a dark background with the logo at the top center. Below the logo, the text "Log In" is centered. There are four input fields: "Username", "Password" (with an eye icon for toggling visibility), "Nederlands" (a dropdown menu), and a checked "Remember me" checkbox. A blue "Login" button is positioned below the fields, and a link for "Forgot my password" is located at the bottom center.

If you cannot connect to the NXT via 'dobiss.local', search for it using an IP scanner:

e.g. "Advanced IP scanner" software:



e.g. "Fing" app:



Then navigate to the IP address found.

After successfully login in, you will be taken to the following page. Here you will see an overview of the various menus. It is advisable to change the password immediately. Until this is done, the message will remain in red.

Configuratie

Welkom bij je DOBISS NXT installatie!

U gebruikt nog steeds het standaard wachtwoord. Vervang het zo snel mogelijk om uw systeem te beveiligen.

Touch bediening

Surf naar de touch interface om uw installatie te bedienen en de status te bekijken.

Via de balk onderaan kan u ook altijd wisselen tussen configuratie en bediening.



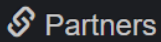
API 32d5b7a7e9dd416e

Kopiëren

Wat is er nieuw?

4.20

- User interface: new design



Modules

Start hier met het adresseren van je modules. Nadien kan je hier upgrades uitvoeren.

Uit / In

Configureer de uitgangen en inputs van alle modules en verdeel ze in groepen.

Drukknoppen

Scan je drukknoppen in je installatie in en stel de functies in voor iedere knop.

Scenario's

Maak groepen van acties die je kan hergebruiken in knoppen, automatisaties, ...

Automatisaties

Voeg geautomatiseerde acties toe aan je project, gebaseerd op tijd, datum, status van inputs, ...

Airco

Koppel uw airco units aan uw domotica

Draadloos

Voeg draadloze Zigbee toestellen toe aan je installatie.

Logging

Raadpleeg de logs van je installatie.

Gebruikers

Beheer gebruikers en profielen om gepersonaliseerde toegang te bieden tot de interface.

Afdrukken

Druk je volledige configuratie af naar een PDF document.

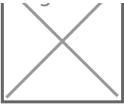


Algemene instellingen

Voeg je cloud toegang toe, download een backup van je project, ...

Status

Kijk de status na van je NXT server.

At the bottom of each page, you will see a few icons:

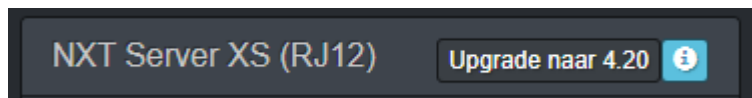
-  To change the language settings
image not found or type unknown
-  To switch from the configuration page to the touch layout
image not found or type unknown
-  To log out

Update the NXT with the latest firmware-version

Only possible if the NXT is already connected to the internet!

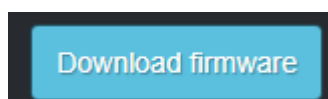
When starting up the NXT, it is recommended that you first check whether a new firmware version is available.

Go to 'Modules'; if 'Upgrade to...' appears next to 'NXT Server', this upgrade must be carried out before proceeding.



Every night or after every restart, the system will check for updates and, if available, this will be indicated.

You can also request instant updates via the blue '**Download firmware**' button.



General configuration-settings

DOBISS by PERMAX Modules ★ Uit / In □ Drukknoppen □ Scenario's meer... ▾

Configuratie
Welkom bij je DOBISS NXT installatie!

Gebruikers
Afdrukken
Algemene instellingen
Status

General settings

Configuratie
Algemene instellingen

U gebruikt nog steeds het standaard wachtwoord, vervang het zo snel mogelijk om uw systeem te beveiligen.

Cloud toegang

Kies een cloud naam .mydobiss.com Naam aanvragen

U moet eerst het standaard wachtwoord vervangen, vooraleer u de cloud toegang kan activeren.

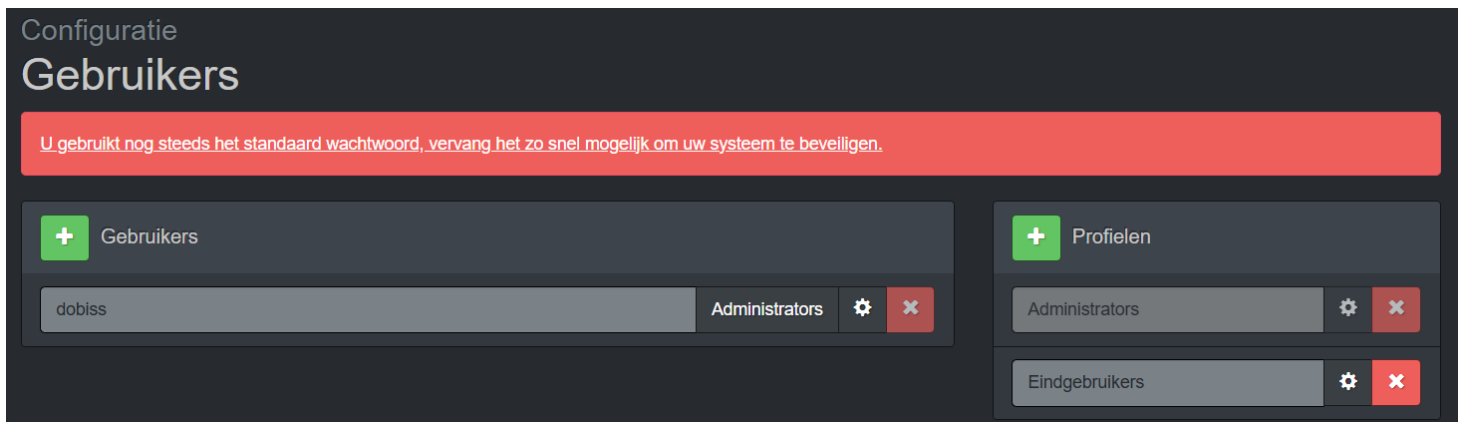
- Project
- Datum / Tijd & Locatie
- Lokaal IP adres
- Importeren van Dobiss PRO
- API
- Firmware

- With **Cloud Access**, you can choose your own name to access the NXT remotely. Enter a name and click **'Request Name'**; it will be activated a few seconds later. This is only possible if the NXT is connected to the internet and the default password has already been changed!
- Project settings, such as saving a backup to your PC/laptop, opening an existing backup and exporting it to the NXT, or starting a new project, can be found under **'Project'**. By default, a cloud backup is saved to the Dobiss cloud server if cloud access has already been activated.
- Under **'Date / Time & Location'**, you can set the correct date, time and location if the NXT is not connected to the internet. If connected to the internet, the NXT server synchronises automatically.
- **'Local IP address'** displays the local IP address of the NXT server.
- If you wish to convert an existing Ambiance or Evolution PRO installation to an NXT, this can be done via **'Import from Dobiss PRO'**.

- **“API”** displays the **“key”** that must be used to enable API integrations.
- In **‘Firmware’**, you can choose to download test versions of the NXT (alpha, beta). By default, only the production versions are available.

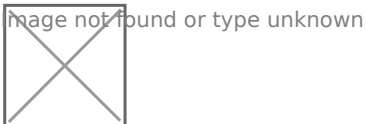
Users

Creation of personalised logins, each with their own access rights (profiles), for the end user.



Logging

All actions (ins/outs) are logged here and can be viewed.



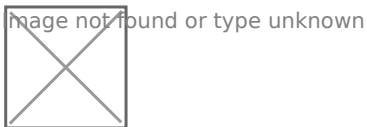
Configuration modules

Existing PRO to NXT

A PRO installation can be easily upgraded to NXT.

If an upgrade is carried out from an EVOLUTION PRO, the Master Max200 must remain connected to the installation and have at least firmware version 10 installed. If this is not the case, it must first be upgraded via the Ambiance PRO tool using a CAN programmer. If upgrading from an AMBIANCE PRO, the CAN programmer may be removed.

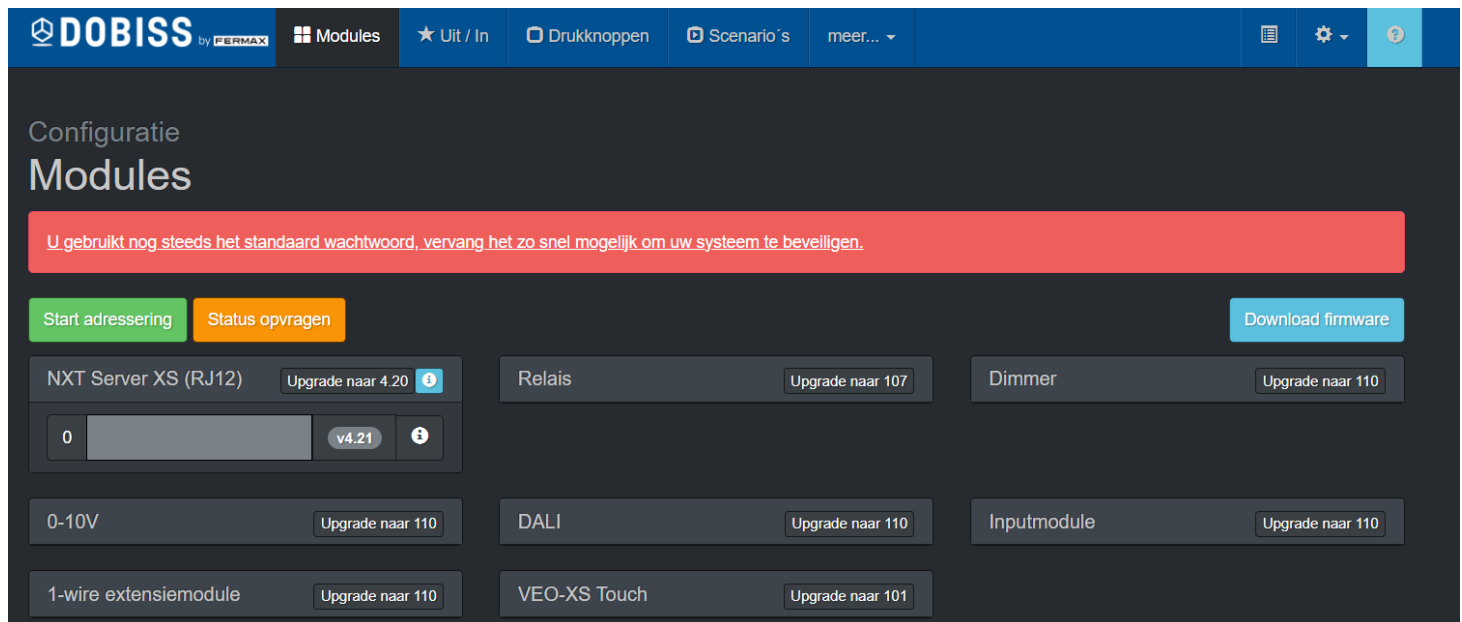
Under **'General settings'**, you can start the import from Dobiss PRO. After importing a PRO installation, all modules are automatically upgraded with the latest NXT firmware (v100 or higher) and will appear under **'Modules'**.



All modules, groups, names and configurations of outputs, as well as the names and configurations of buttons and scenes, are transferred from PRO.

Setting up a new installation

When setting up a new installation, start by addressing the modules via **'Start addressing'**. All modules connected to the CAN bus will now begin to flash more slowly.



DOBISS by PERMAX

Modules ★ Uit / In □ Drukknoppen □ Scenario's meer... ▾

Configuratie
Modules

U gebruikt nog steeds het standaard wachtwoord, vervang het zo snel mogelijk om uw systeem te beveiligen.

Start adressering Status opvragen Download firmware

| | | |
|--|----------------------------------|---------------------------------|
| NXT Server XS (RJ12) 0 v4.21 ⓘ Upgrade naar 4.20 ⓘ | Relais Upgrade naar 107 | Dimmer Upgrade naar 110 |
| 0-10V Upgrade naar 110 | DALI Upgrade naar 110 | Inputmodule Upgrade naar 110 |
| 1-wire extensiemodule Upgrade naar 110 | VEO-XS Touch Upgrade naar 101 | |

One by one, the 'Service' button on the modules must be pressed briefly once, and the various

modules will appear in the list in the order in which they were pressed, grouped by type.

modules_addressing.gif

Image not found or type unknown

Modules that already have the NXT firmware installed arrive with v100 (or higher). Modules with the PRO firmware arrive with v22 (or lower).

The screenshot shows the DOBISS Modules configuration page. At the top, there is a navigation bar with the DOBISS logo and various menu items. Below the navigation bar, there is a section titled 'Configuratie Modules'. A red warning banner indicates that the user is still using the default password. Below the banner, there are buttons for 'Stop adressering', 'Status opvragen', and 'Download firmware'. The main content area displays a grid of modules, each with its name, current firmware version, and an 'Upgrade naar' button. The 'Relais' module is highlighted in green, and its 'Upgrade naar' button is labeled 'v110' with a red 'X' icon, indicating it is already updated. Other modules include 'NXT Server XS (RJ12)', 'Dimmer', '0-10V', 'DALI', 'Inputmodule', '1-wire extensiemodule', and 'VEO-XS Touch'.

PRO modules addressed by the NXT are automatically upgraded to the NXT version. The status of the firmware upgrade is displayed in blue at the bottom of the page.

[Bezig met firmware export naar Relais](#)

- Flash behaviour of PRO modules: rapidly flashing green LED
- Flash behaviour of NXT modules: green LED flashes at heart rate frequency.

Overview of further configuration

DOBISS by FERMAX Modules ★ Uit / In □ Drukknoppen □ Scenario's meer... 7

1 2 3 4 5 6

Configuratie Modules

U gebruikt nog steeds het standaard wachtwoord, vervang het zo snel mogelijk om uw systeem te beveiligen.

Start adressering Status opvragen Download firmware

NXT Server XS (RJ12) Upgrade naar 4.20 v4.21

Relais Upgrade naar 107 v107

Dimmer Upgrade naar 110

0-10V Upgrade naar 110

DALI Upgrade naar 110

Inputmodule Upgrade naar 110

1-wire extensiemodule Upgrade naar 110

VEO-XS Touch Upgrade naar 101

1. **Inputs/Outputs:** configuration of inputs and outputs, naming, creating groups, etc.
2. **Push buttons:** scanning push buttons, assigning actions to buttons, etc.
3. **Scenarios:** configuration of scenarios/moods.
4. **Automations:** creating schedules based on time, sunrise and sunset, etc.
5. **Airco:** Integration with leading air conditioning manufacturers via the Airzone, Intesis or Coolmaster interface.
6. **Wireless:** Integration with numerous wireless devices via Zigbee.
7. **?:** Link to the support site for more information about the NXT and possible integrations

All changes are always sent automatically to the modules; you can find the export status at the bottom of every page in blue!

Video tutorials

Use the button  on the top right of the video to see all tutorials.

Download

Archive with all videos for offline usage.

View online

1. **Login to NXT server**
2. **Modules**
 1. Addressing modules
 2. Replacing a faulty module
3. **Outputs**
 1. Appointing out/in (outputs/inputs) and groups
 2. Configuration RGB(W)
 3. Configuration of shutters/screens
 4. Configuration fan toilet
 5. Dimming settings per dim output
4. **Push buttons**
 1. Scanning and configuration push buttons
 2. Configuration of a Dobiss PIR detector
 3. Dark condition PIR detector
 4. Configure a push button with time delay

5. **Scenarios**

1. Configuration of an "all off" scenario
2. Configuration of a "Panic" scenario
3. Scenario "Night hall dimmed at night"

6. **Automations**

1. Automation of outdoor lighting
2. Automation of shutters

7. **Global settings**

1. Change default login and password
2. Creating a cloud account
3. Create a new user and profile
4. Backup and other project settings

8. **Heating/cooling**

1. Scanning of temperature sensors
2. Heating/cooling control with solenoid valves on relay outputs (ON/OFF)
3. Heating/cooling control with 0-10V operated solenoid valves
4. Heating/cooling calendar

9. **Link with Google Home/Assistant**

10. **Audio**

1. Integration of Bose or Sonos

11. **Flags**

1. Flag indicating that a door is open
2. PIR detector with "Alarm Scenario" using a flag

12. **Notifications**

1. Notification via contact of the alarm system
2. Notification via PIR detector using a flag

13. **IFTTT**

1. Integration of a "Smart plug" via IFTTT

14. **FERMAX MEET**

1. Connecting Fermax MEET monitor with DOBISS NXT

15. **Zigbee**

1. Linking Zigbee gateway with Dobiss NXT
2. Integration of Dobiss Zigbee relay into Dobiss NXT
3. Integration of Dobiss Zigbee dual relay into Dobiss NXT
4. Integration of Dobiss Zigbee dimmer into Dobiss NXT
5. Integration of Dobiss Zigbee curtain control in Dobiss NXT
6. Integration of Dobiss Zigbee 4 fold push button into Dobiss NXT

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

- 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 |

Serial settings

MOXA www.moxa.com

- Main Menu
 - Overview
 - Basic Settings
 - Network Settings
 - Serial Settings
 - Port 1
 - Operating Settings
 - Accessible IP Settings
 - Auto Warning Settings
 - Monitor
 - Change Password
 - Load Factory Default
 - Save/Restart

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

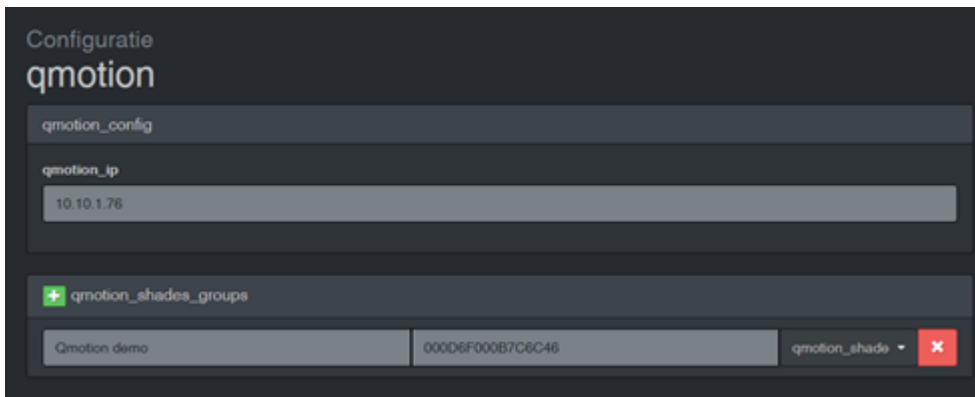
The screenshot shows the MOXA web interface for configuring a port. The left sidebar contains a navigation menu with options like Overview, Basic Settings, Network Settings, Serial Settings, Operating Settings (selected), Accessible IP Settings, Auto Warning Settings, Monitor, Change Password, Load Factory Default, and Save/Restart. The main content area is titled 'Operating Settings' and is divided into sections for 'Port 01', 'Data Packing', and 'TCP Server Mode'. The 'Port 01' section includes fields for Operation mode (TCP Server Mode), TCP alive check time (7 min), Inactivity time (0 ms), Max connection (1), Ignore jammed IP (No), and Allow driver control (No). The 'Data Packing' section includes Packing length (0), Delimiter 1 and 2 (both disabled), Delimiter process (Do Nothing), and Force transmit (0 ms). The 'TCP Server Mode' section includes Local TCP port (4001) and Command port (966). A 'Submit' button is located at the bottom right of the form.

Qmotion

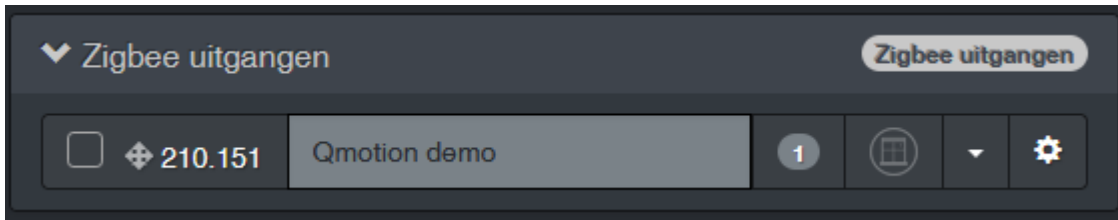
Collect the shade identifiers by scanning the QR code on the devices. The ID starts with 000D

Dobiss integration

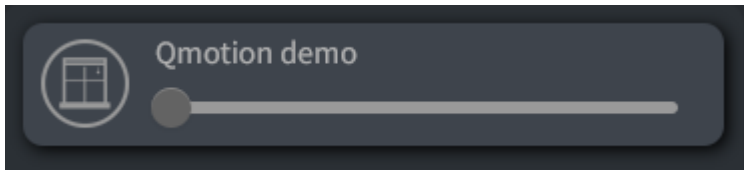
1. Go to Configuration > Partners > Wireless > Qmotion
2. Fill out the IP address
3. Add a shade or group via the + button
4. Give the shade a name, fill in the ID (000D... or a number for a group) and choose the type (shade or group)



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.