

INSTALLER MANUAL · QA PLATFORM

HOW DO I ACTIVATE **A CHARGING DEVICE?**



BEFORE YOU START

CONFIGURE THE CHARGING DEVICE

Set these values in the charging device's own configuration before you start on the QA platform. Without the secure URL, you can't secure the connection in step 4.

Protocol	OCPP-JSON 1.6
OCPP URL	wss://proxy.optimile.eu/services/ocppj
Optimile SIM card	APN optimile · leave the username and password blank
Wi-Fi or cable	Open ports 80 and 443 (OCPP), 21 and 10000–11000 (firmware updates and diagnostics)
Firmware	Update to the latest version before you connect

SECURE

**wss://proxy.optimile.eu/
services/ocppj**

Encrypted. The QA platform shows Encryption:
TLS.

NOT SECURE

ws://... or an IP address

The authentication key is not secured.

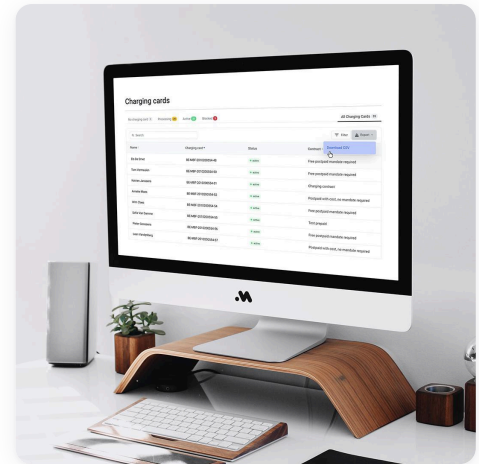
Don't use ws://. This leaves the connection unencrypted, even when the charging device has an authentication key.



ACTIVATE A CHARGING DEVICE

Go to <https://qa.optimile.eu/maintenance/device/> and follow the steps below. Each step is explained on the next pages.

- 1 **Select the serial number** of the device in the Devices tab.
- 2 **Authenticate the device** if it already connects with an authentication key.
- 3 **Check the device settings** in the Device subtab.
- 4 **Secure the connection** Check wss:// and set a unique authentication key.
- 5 **Set the connectors** and click Save sockets.
- 6 **Check the configuration** and click Save configuration if you changed anything.
- 7 **Test the connection** with a soft reset: 'Acknowledged by device'.
- 8 **Confirm the device** in the Confirm subtab.



Save every change before you go to the next tab. Unsaved settings are lost.

FIND AND AUTHENTICATE

1

Select the serial number

Open the **Devices** tab and select the serial number of the device you want to activate. You can also use the search bar at the top right.

2

Authenticate the device

This step only appears when the device already tries to connect with an authentication key. All other steps stay disabled until you authenticate it. Find the pre-configured key in the device's own backend or configuration interface, enter it in the **Authentication key** field and click **Verify authentication key**.

What is an authentication key? Think of it as an extra check: the charging device uses a secret key to prove its identity to the platform, so only authorized devices can connect. Manufacturers use different names for it, for example Back office authorization key (Alfen), Basic authentication key (Schneider) or Basic authentication password (Mennekes).

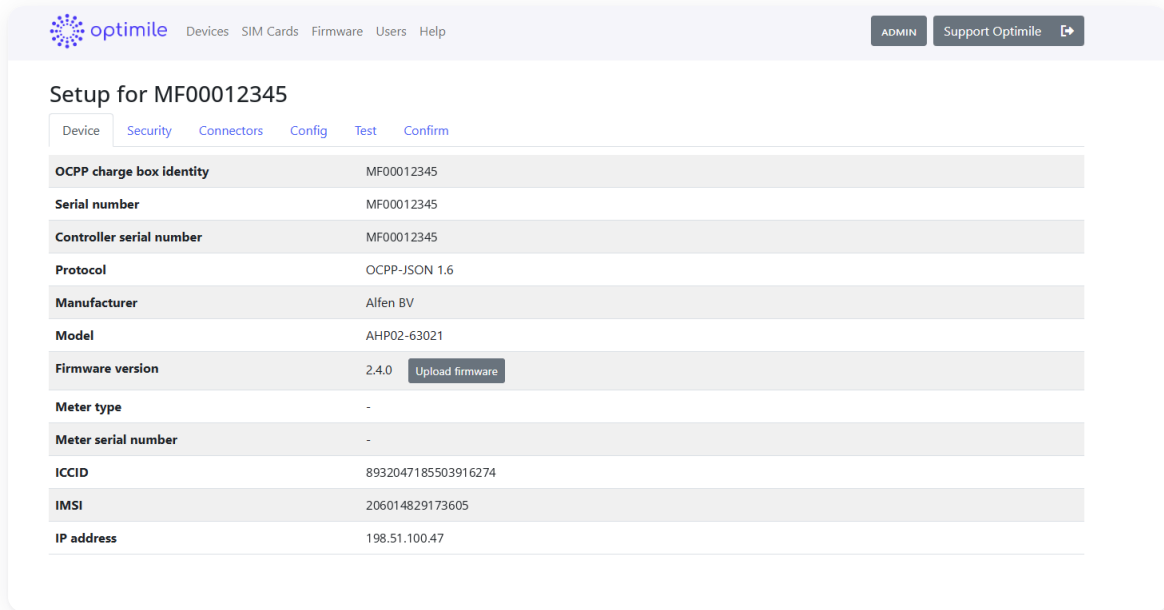
The screenshot shows the Optimile web interface. At the top, there is a navigation bar with the Optimile logo and links for Devices, SIM Cards, Firmware, Users, and Help. On the right side of the navigation bar, there are buttons for ADMIN and Support Optimile. The main content area displays a modal window titled "Authentication required for MF00012345". Inside this modal, there is a message: "This device has an authentication key configured. This key secures the connection between the device and the platform." Below this message is a text input field labeled "Authentication key*". Underneath the input field is a blue button labeled "Verify authentication key". Below the button, there is a section titled "Where to find the authentication key" with the text: "The key is set in the security settings of the device. If you cannot find the key, check the device manual or contact the device manufacturer." This section also includes a note: "Naming can differ by manufacturer, for example:" followed by a bulleted list: "• Back office authorization key (Alfen)", "• Basic authentication key (Schneider)", and "• Basic authentication password (Mennekes)".

STEPS 3–4

3

Check the device settings

Check the settings in the **Device** subtab, then click the **Security** subtab.



optmile Devices SIM Cards Firmware Users Help ADMIN Support Optmile

Setup for MF00012345

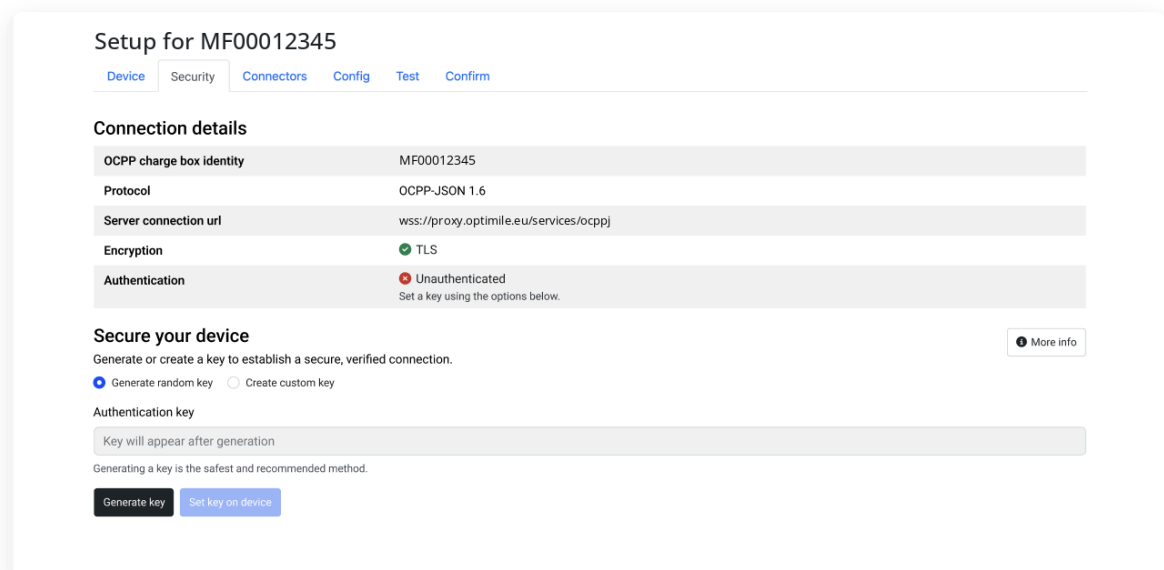
Device Security Connectors Config Test Confirm

OCPP charge box identity	MF00012345
Serial number	MF00012345
Controller serial number	MF00012345
Protocol	OCPP-JSON 1.6
Manufacturer	Alfen BV
Model	AHP02-63021
Firmware version	2.4.0 Upload firmware
Meter type	-
Meter serial number	-
ICCID	8932047185503916274
IMSI	206014829173605
IP address	198.51.100.47

4

Secure the connection

Check the **Server connection url**. It must start with **wss://**, for example **wss://proxy.optmile.eu/services/ocppj**, and **Encryption** must show TLS. Does it start with **ws://**? Then the connection isn't encrypted: change the OCPP URL in the charging device's configuration and wait for it to reconnect before you continue.



Setup for MF00012345

Device Security Connectors Config Test Confirm

Connection details

OCPP charge box identity	MF00012345
Protocol	OCPP-JSON 1.6
Server connection url	wss://proxy.optmile.eu/services/ocppj
Encryption	✔ TLS
Authentication	✘ Unauthenticated Set a key using the options below.

Secure your device

Generate or create a key to establish a secure, verified connection. [More info](#)

☒ Generate random key ☐ Create custom key

Authentication key

Key will appear after generation

Generating a key is the safest and recommended method.

[Generate key](#) [Set key on device](#)

SET THE AUTHENTICATION KEY

4

Give the device its own key

Every device needs its own unique authentication key. We strongly recommend **Generate random key**: click **Generate key** and the platform creates a long, random key that is much safer than the manufacturer's default or a key you make up yourself. Then click **Set key on device**.

Using Create custom key? The key must have 30 to 40 characters. Never reuse a key on another device.

Setup for MF00012345

Device Security Connectors Config Test Confirm

Connection details

OCPP charge box identity	MF00012345
Protocol	OCPP-JSON 1.6
Server connection url	wss://proxy.optimile.eu/services/ocppj
Encryption	✓ TLS
Authentication	✗ Unauthenticated Set a key using the options below.

Set authentication key

Generate or create a key to establish a secure, verified connection.

More info

☐ Generate random key ☒ Create custom key

Authentication key

Keythatismaximumfortycharacterslong

Ensure that the key is between 30 and 40 characters in length.

Set key on device

Wait for the reconnect. The platform sends the new key to the device. Wait until the device disconnects and reconnects with its new key, and Authentication shows a green check, before you go to step 5.

STEPS 5–6

5

Set the connectors

Open the **Connectors** subtab. Select the correct **Connector type** for every socket, then click **Save sockets** at the bottom.

Check every socket. A connector that isn't set, or set incorrectly, won't work.

Setup for MF00012345

Device **Connectors** Config Test Confirm

Socket 1 **Select the installed connector type**

Connector type* Not present / not setup

Connector label 1

User-visible label to recognise this connector in the charging station for activation. By default, the connectors in a station will be numbered starting from 1.

Socket 2

Connector type* Not present / not setup

Connector label 2

User-visible label to recognise this connector in the charging station for activation. By default, the connectors in a station will be numbered starting from 1.

Save sockets

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Check the configuration

Open the **Config** subtab and check the settings, such as the device language and maximum power. Adjust where needed and click **Save configuration** at the bottom.

Unsaved changes are lost. Save before you open another subtab.

Setup for MF00012345

Device Connectors **Config** Test Confirm

Connection to the central system

Protocol name	ocpp/json
Protocol version	1.6
Back-office URL	—
Back-office path	—
APN name	—
APN user	—
APN signal strength	-87
Network	wireless

Check configuration settings

Operation

User interface language* Dutch

STEPS 7–8

7

Test the connection

Open the **Test** subtab and click **Soft reset**. The communication view shows 'Command (Pending)'. After about ten seconds, refresh the page and check that the command shows 'Acknowledged by device'.

Setup for MF00012345

Device Connectors Config **Test** Confirm

Get diagnostics Start date End date

Fetch configuration

Hard reset **Soft reset**

Charging sessions

No charging session active.

Most recent events [View all events and communication](#)

Time	Event
2022-01-17 13:18:03	Status notification: (socket 1): Preparing
2022-01-17 13:18:03	Status notification: Available; info: Info: Charge card 04A1B2C3D4E5F6 detected
2022-01-17 13:17:29	Status notification: (socket 1): Available
2022-01-17 13:17:00	Status notification: (socket 1): Preparing
2022-01-17 13:17:00	Status notification: Available; info: Info: Charge card 04A1B2C3D4E5F6 detected
2022-01-17 13:11:29	Status notification: (socket 1): Available

8

Confirm the device

Open the **Confirm** subtab and click **Confirm**. The device is now available on the Mobiflow platform, and our back office can link it to the right customer.

Setup for MF00012345

Device Connectors Config Test **Confirm**

Click the button the confirm the device's configuration.

Once the configuration is confirmed, the customer will be able to register the device in his platform.

Confirm



QUESTIONS?
WE'RE HAPPY TO HELP.

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