MB CONNECT LINE
remote maintenance solutions
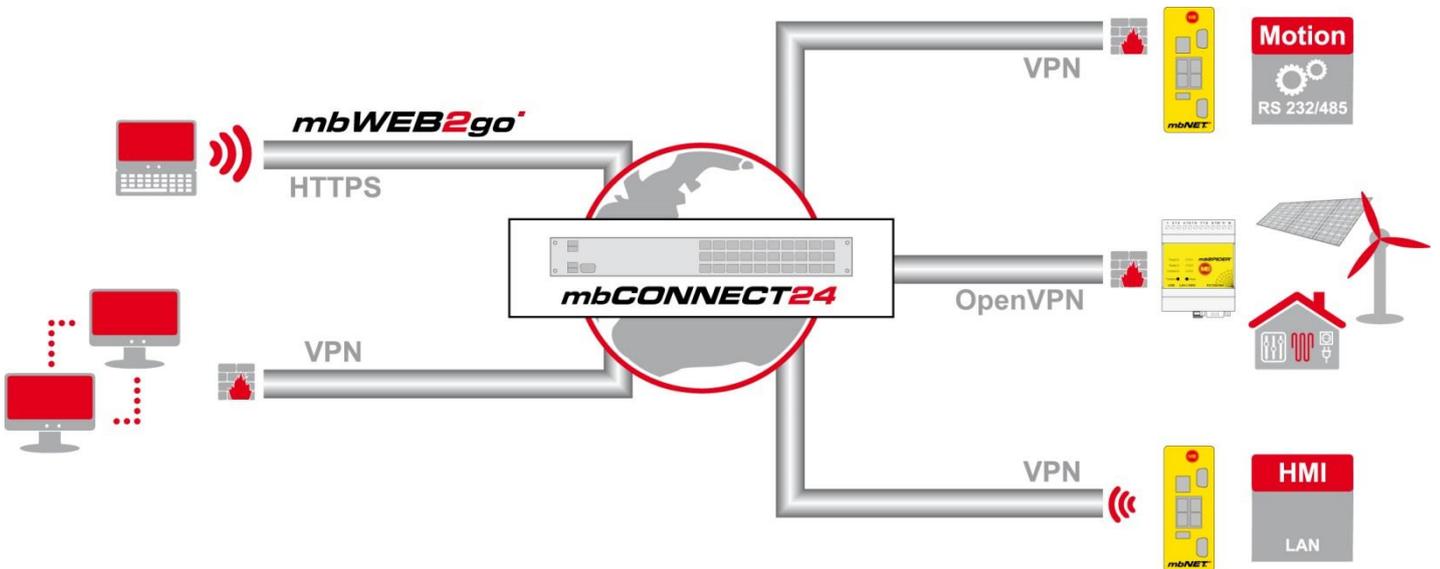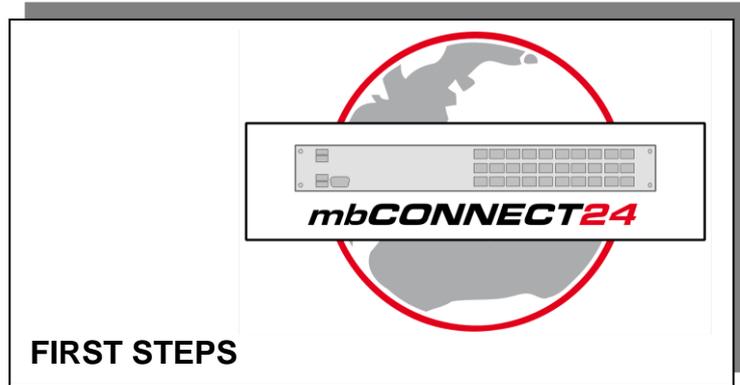

FIRST STEPS

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General legend

Note

Important

mbCONNECT24 - Key to symbols

Add a new element

Edit

Duplicate: Create a new device as a copy

Delete

Download configuration file mbconnect24.mbn

VPN connection
build from the machine to the portal

Disconnect VPN connection

Establish an https connection (*mbWEB2go*)

Disconnect an https connection (*mbWEB2go*)

Drop-down field

Input

1. General

This document describes the first steps and measures that are necessary to connect a device (**mbNET** router / **mbSPIDER** data modem) with the portal server.

After installing your router, you can configure your personal account on *mbCONNECT24* with your connectivity options for a later remote maintenance.

These settings are transferred to your device (router / data modem).
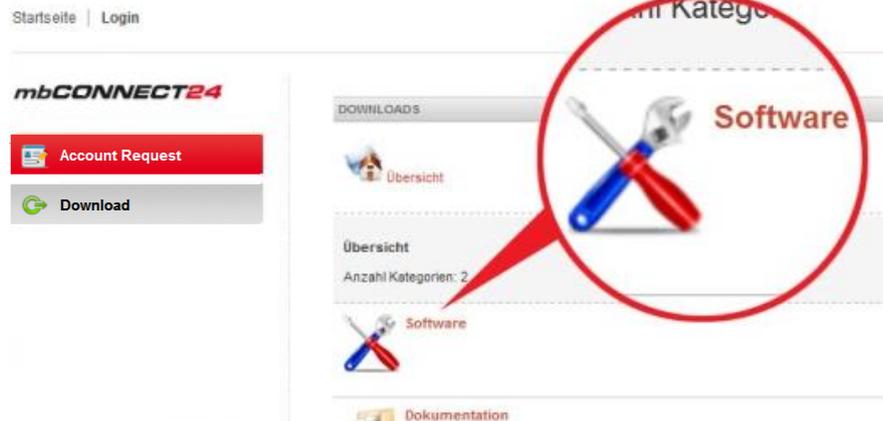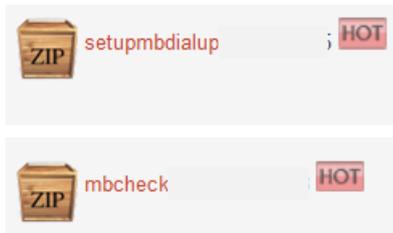
2. Login *mbCONNECT24.net*

Go to www.mbconnect24.net or http://www.mbconnectline.com/index.php/en/products/mbconnect24net

The Button [Download] takes you to the protected download area.
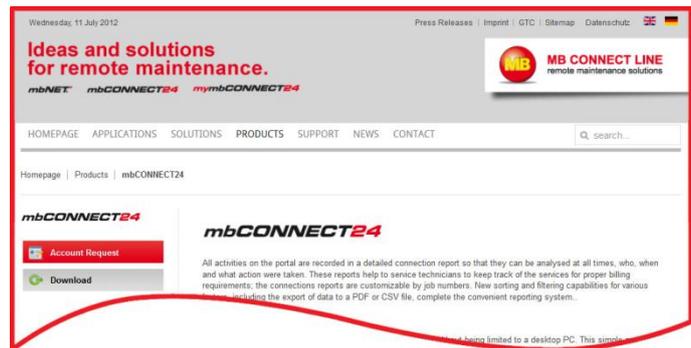
3. Install *mbDIALUP*

In the category **software** see the programms

3.1 *mbCHECK*

First Port 1194 TCP, 80 TCP or 443 TCP should be checked with the program **mbCHECK**, to ensure, that it isn't blocked by the firewall. Either of these ports can be used to connect by *mbDIALUP* and the *mbNET*, when it's connecting to *mbCONNECT24*.net.
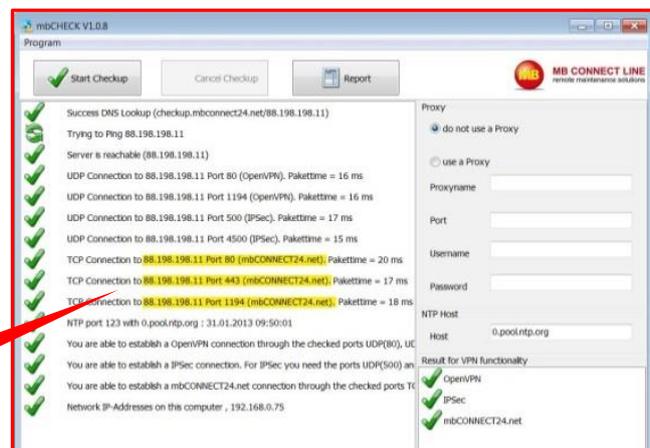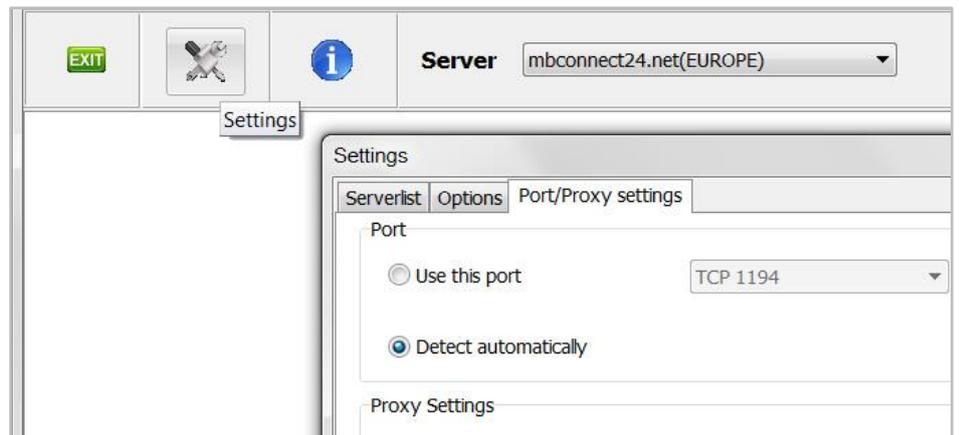
3.2   mbDIALUP

Now install the program *mbDIALUP*. To do this, run the program "**setupmbDIALUP.exe**".
Note: You must be logged in as administrator.
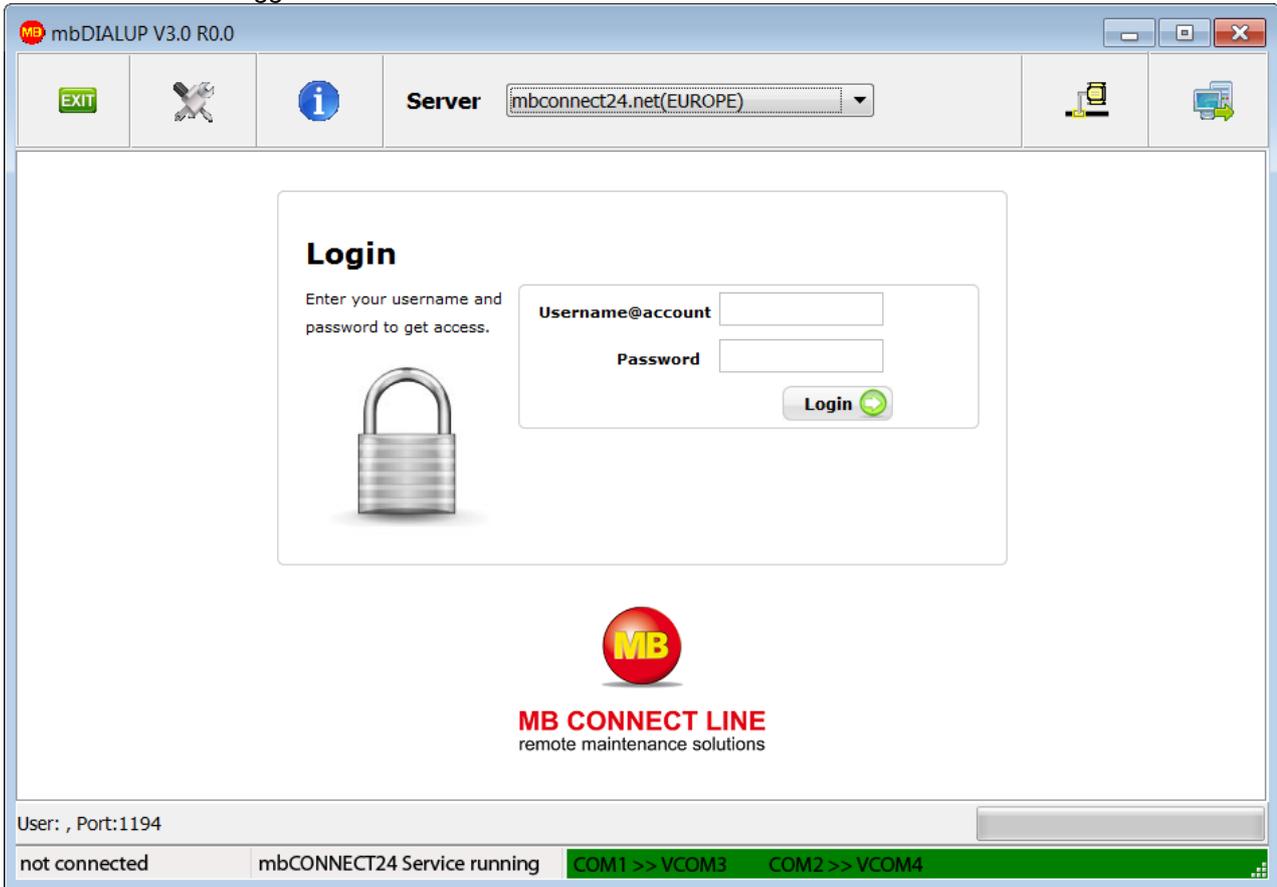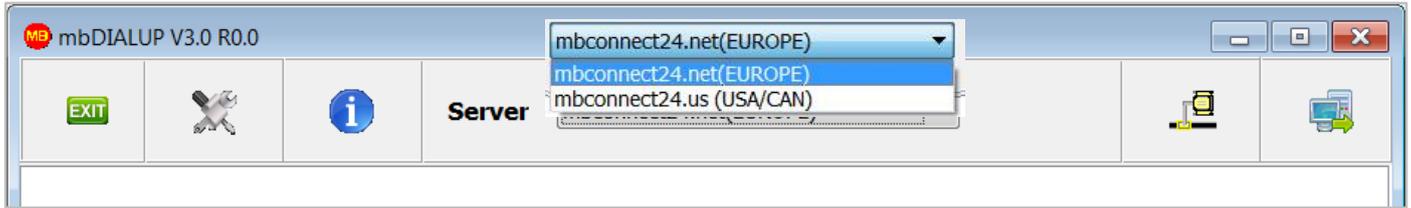

3.2.1   Access via proxy server

If you are using a proxy server, you can adjust the proxy settings in "settings" submenu "port / proxy settings".

### 3.2.2 Serverauswahl

Before you connect to the portal server for the first time, please choose your mbconnect24.net server.

⚠️ **When selecting the wrong server no connection can be established.**
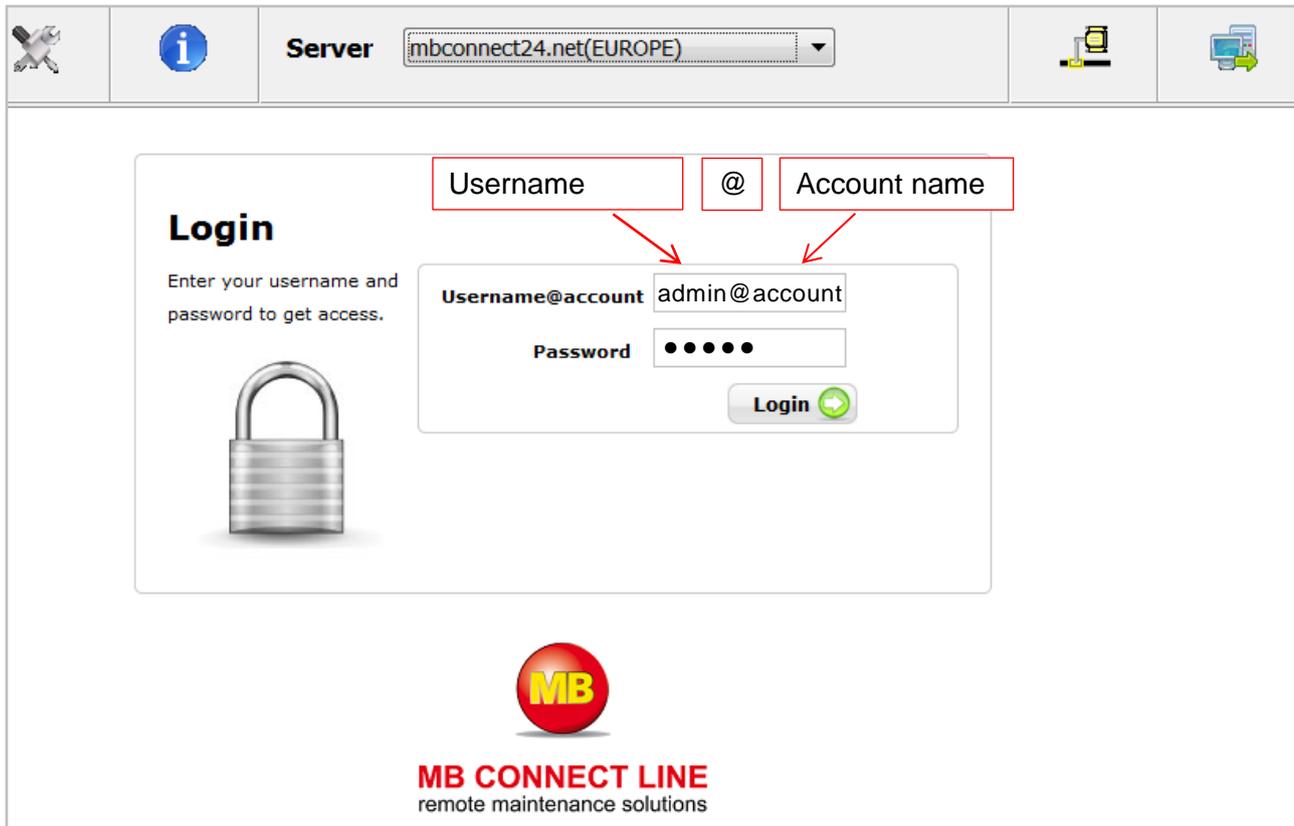If your field of application / location such as chosen in Europe and you have a server mbconnect24.us (USA / CAN), so you get when trying to connect to the portal build the following error message.
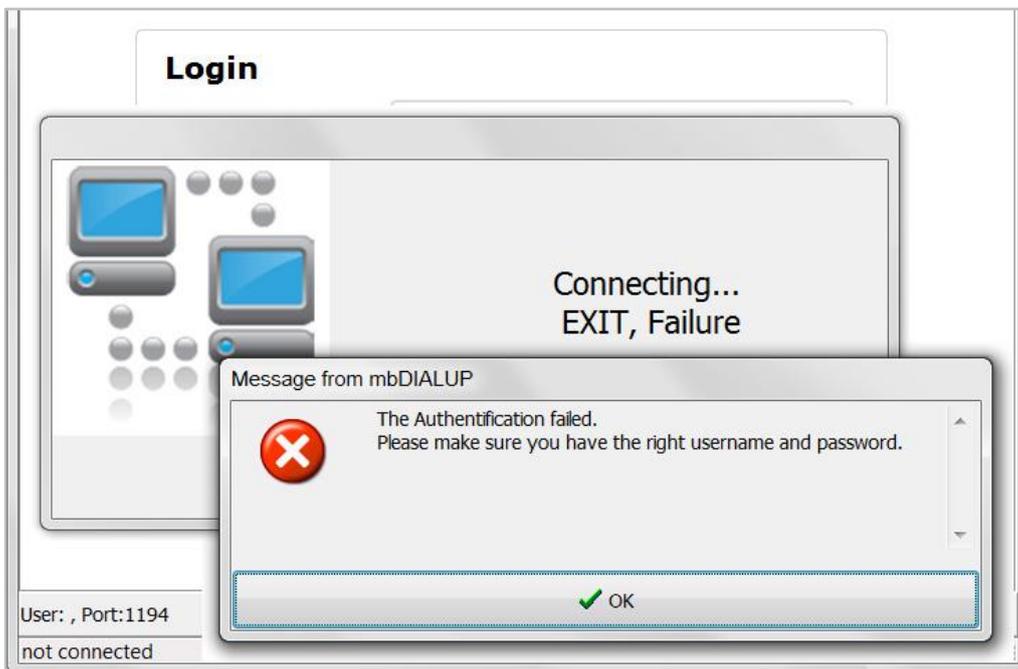
4. Login mbCONNECT24

Login to the portal with the user data (username, password) you have received after your registration.

The VPN connection is established.

5. *mbCONNECT24* Configuration

If the VPN connection is established, the browser window opens your account.

5.1 Changing User Data

First, go to the menu [User] and change your password.

Click on your user name

and change your pass word in the following window.

ℹ The new password is after you have saved your changes, effect on the next login to the portal.

5.2   Add a new machine

Go to the menu   Machines   and assign a unique name ❶ for the new machine.

The name can be chosen freely - but only following numbers and / or letters are allowed:
0 to 9, A to Z, a to z

Choose your device type from the drop down list ❷ and click the "Add" ➕ ❸.

5.2.1   Description

After adding the new machine, you will enter the actual configuration menu.
Depending on the device type, the fields may vary.

5.2.2   Network

Enter an unused LAN IP address and subnet mask from the system or machine network.

5.2.3 Internet

Specify

❶ when your device is connected to the portal

❷ about which way the Internet connection should be made

❸ which VPN port to be used (which of the three ports is free can be determined with the help of *mbCHECK*).

5.2.4   Settings
5.2.4.1   **Network**
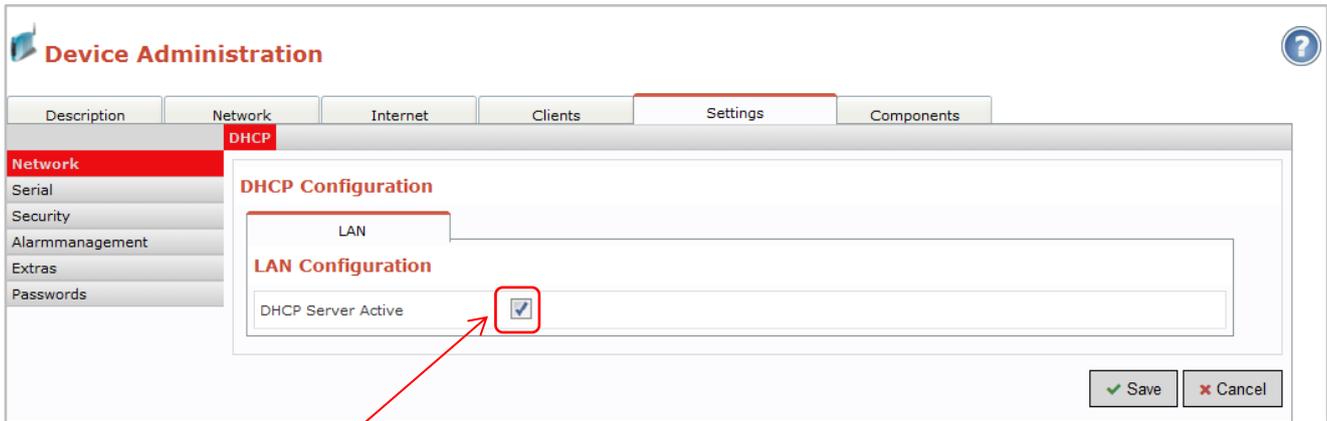
If the checkbox for "DHCP Server Active" is enabled the default settings appear, based on the set values of point 5.2.2 Network.
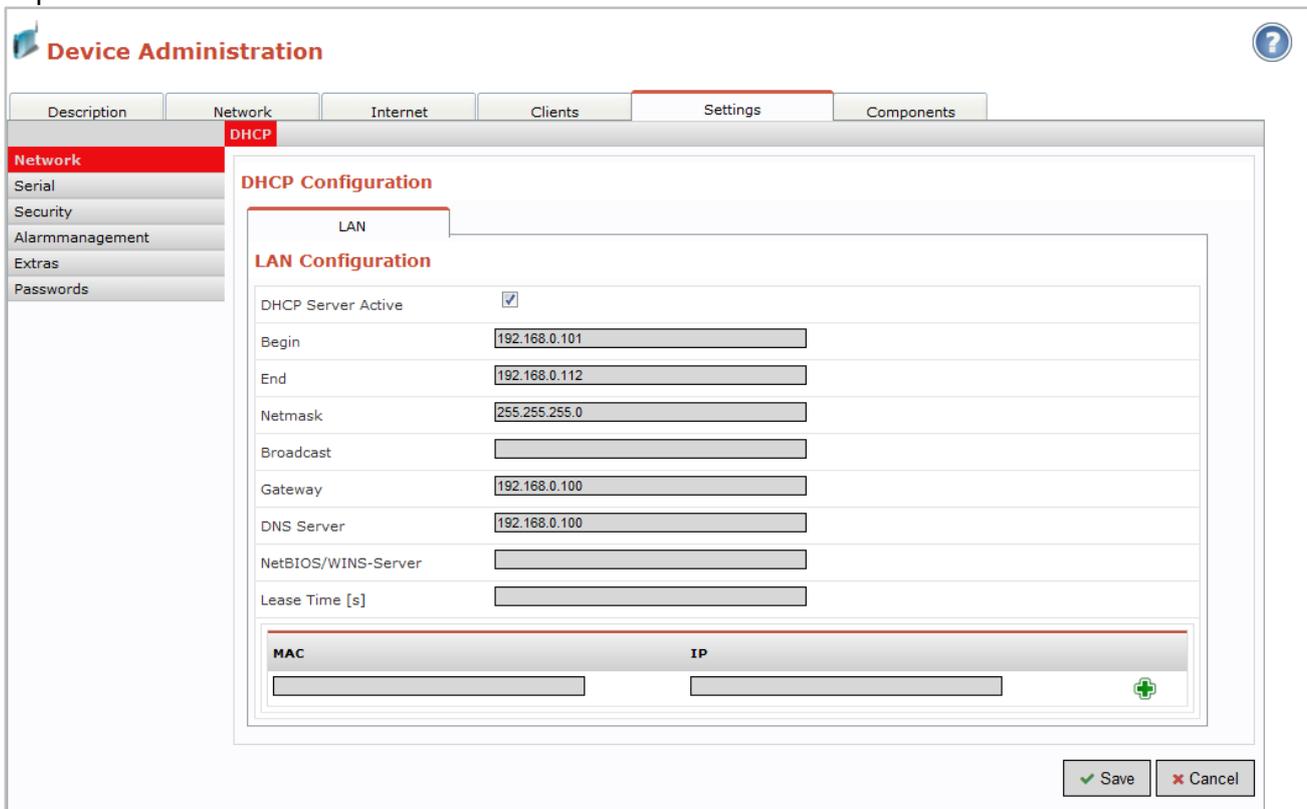
After saving the settings, the main window of the Device Administration appears with the device overview
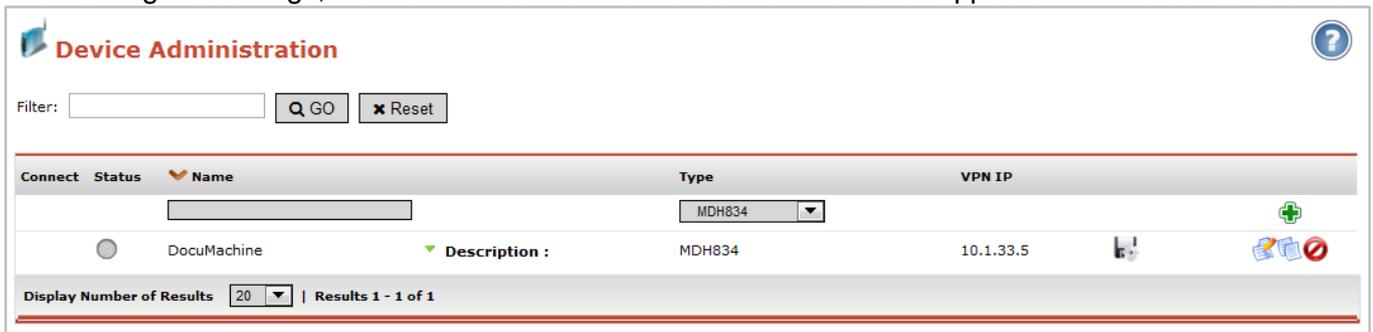
and the system automatically start performing the "**Submit to device**" function.

6. Transfer the configuration to the device

„**Submit to device**" => The device must be connected to a LAN network.
„**Download to PC**" => the configuration file is transferred to the device via a USB stick.

6.1 Submit to device (via network)
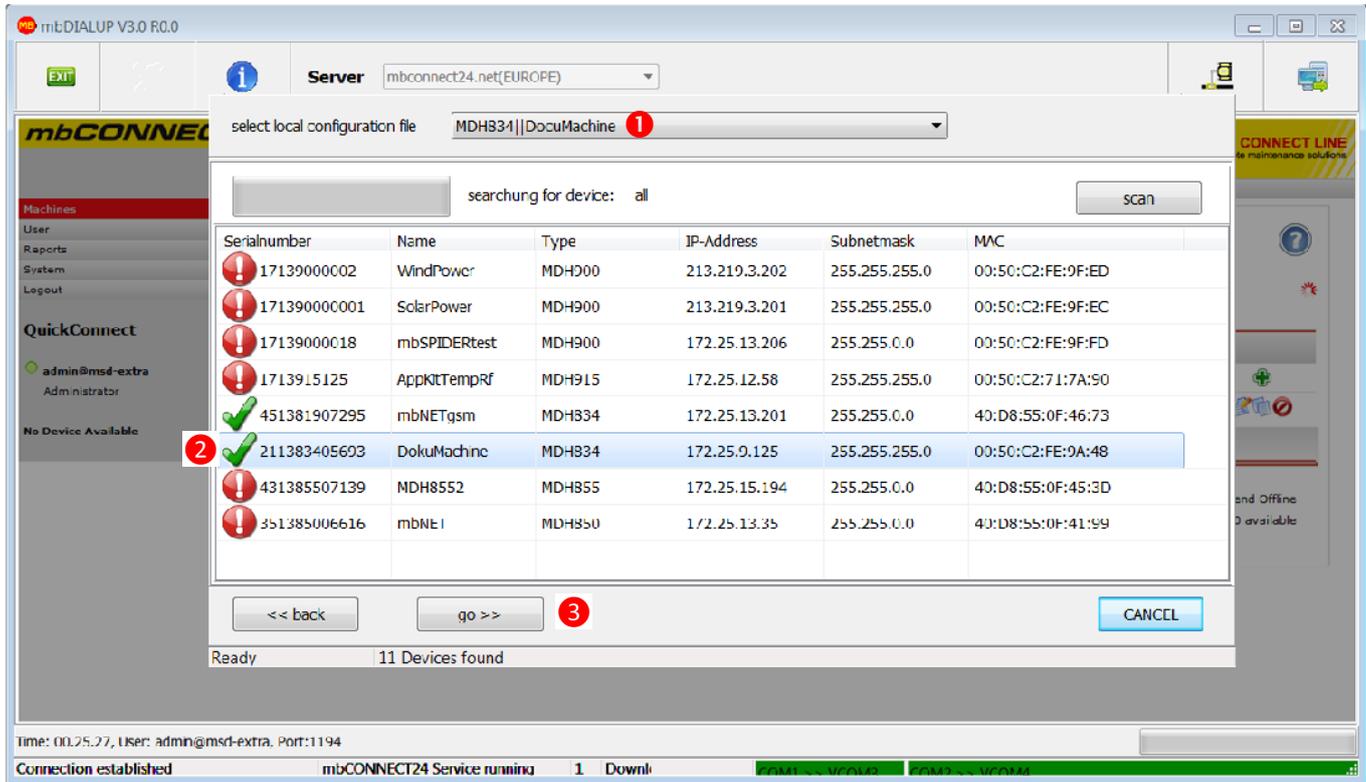
mbDIALUP lists every device which is connected to the LAN network and marks the number of potential device types (in this case there are two units from type MDH834 identified).

The latest configuration file which is listed in the selection box ❶ is available for submitting to the device.

After selecting the newly created device ❷ and click on [go >>] ❸, the system performs the configuration transfer.

Finally click the button [start configuration transfer] ❹
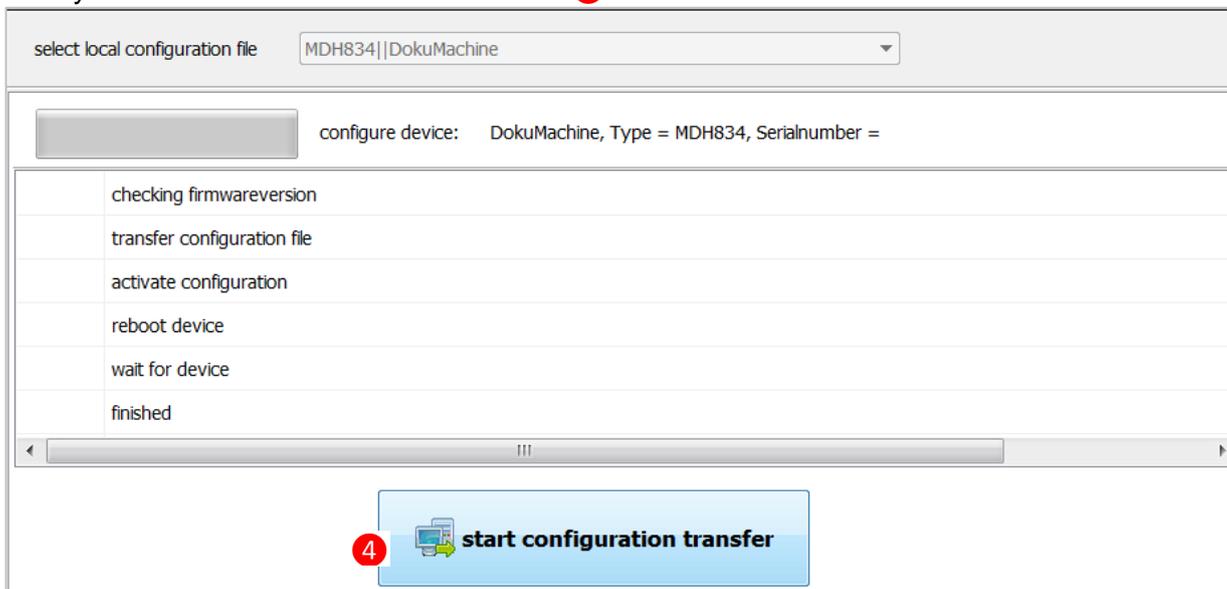
After the system has completed all steps the transfer must be confirmed by click on **Finished** ⑤.

select local configuration file	MDH834||DokuMachine ▼

configure device: DokuMachine, Type = MDH834, Serialnumber =

✔ checking firmwareversion
✔ transfer configuration file
✔ activate configuration
✔ reboot device
✔ wait for device
✔ finished

start configuration transfer

<< back ⑤ Finished   CANCEL

Depending on the chosen setting "Connect to server on" (step 5.2.3 Internet), the device is now ready to establish a connection to the portal.

Device Administration

Filter: [   ] 🔍 GO   ✖ Reset

Connect	Status	▾ Name	Type	VPN IP		
		[ ]	Please Choose Ty ▼			➕
🔧	🟢	Doku ▾ Description :	MDH834	10.1.33.6	📟	🖉📋⊘

Display Number of Results 20 ▼ | Results 1 - 1 of 1

Status Legend: 🟢 Online | 🟡 Online and Connected | ⚪ Offline | 🔴 Offline - Click to bring Online | 🟢 Online - Click to send Offline

SMS Account State: 10 available

6.2 Download to PC (via USB stick)
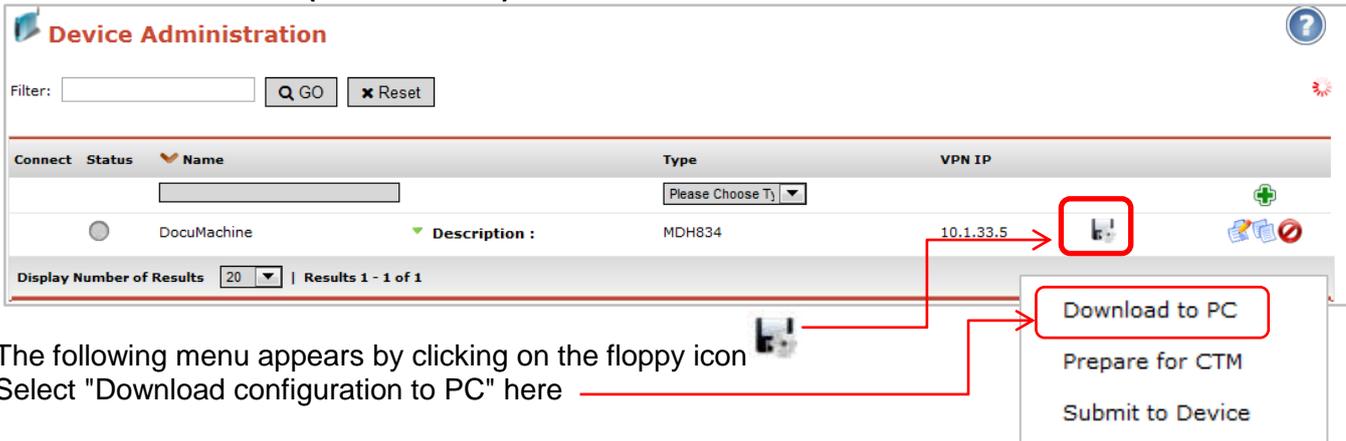
The following menu appears by clicking on the floppy icon [icon]
Select "Download configuration to PC" here

The configuration file "mbconnect24.mbn" is stored on your computer or USB flash drive.

⚠️ **DO NOT RENAME THE CONFIGURATION FILE!**
Furthermore, the configuration file must be stored in the root directory of the USB stick!
The USB stick must have the file format FAT!

6.2.1 Load configuration file mbconnect24.mbn

6.2.1.1 mbNET – Router

Put the USB flash drive in USB interface at front of the *mbNET* ❶ and start the "load settings" procedure by following these steps below:

1. Switch on the device or push the "**Reset**" ❷ button once (in case of *mbNET* is already running) and wait until LED "**Err**" is on.

2. Push "**Dial Out**" button ❸ and hold it until LED "**Fc4**" (**TxD2**) is on.

3. Push "**Dial Out**" button again until LED "**Fc3**" (**RxD2**) is on.

4. Push "**Dial Out**" button again until LED "**Fc2**" (**TxD1**) is on.

5. Finally push the "**Dial Out**" button at last time.
   After 10 – 15 seconds the LED "**Fc3**" (**RxD2**) flashes.
   (In rare cases it may be that the used USB flash drive depending on type is unsuitable for this procedure. In this case, use a different USB flash drive.)
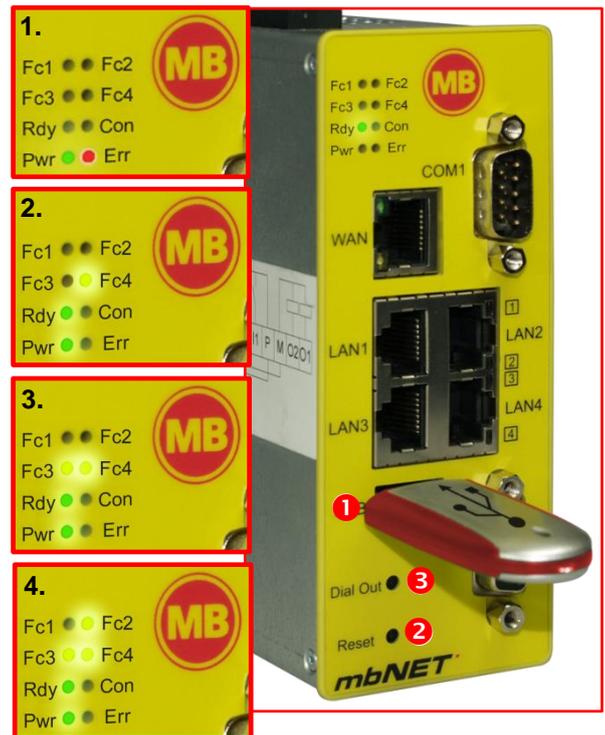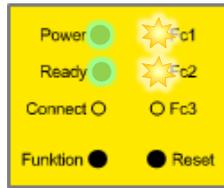

Now the settings are applied to *mbCONNECT24*

If the *mbNET* can connect the Internet (e.g. if network-, telephone cable, SIM card, antennae is installed), the *mbNET* will login to your account immediately. It's indicated by the flashing LED „**Con**".
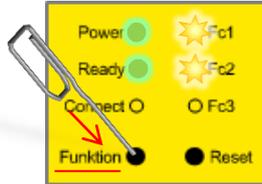
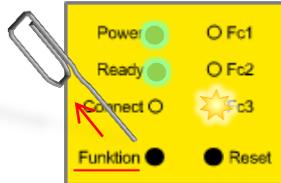### 6.2.1.2 **mbSPIDER – data modem**

1. After connecting the USB stick to the *mbSPIDER* **Fc1** LED + **Fc2** LED starting to **flash**.

2. Push within 10 seconds the **Funktion** button and **keep it pushed**.

3. When **Fc1** LED + **Fc2** LED are **extinguished** and **Fc3** LED **flashes**, **release** the **Funktion** button.

4. About 30 seconds later **Fc3** LED goes **off** ➔ the **configuration file mbconnect24.mbn** was successfully **Loaded.**

⚠️ **DO NOT RENAME THE CONFIGURATION FILE!**
Furthermore, the configuration file must be stored in the root directory of the USB stick!
The USB stick must have the file format FAT!

ℹ️ After reading the configuration file mbconnect24.mbn is automatically renamed and is now on the USB stick as **X**mbconnect24.mbn.

7. Access to devices and machines

If a device has built up the Internet connection and log on to your account, you find on the left side of the administration area a selection menu ❶ of available devices.

Click the button [Connect] ❷ or the icon ❷ and you will be connected with the selected device.

After the connection is established, the status LED ❸ changes from green to yellow and you have access to the machine.

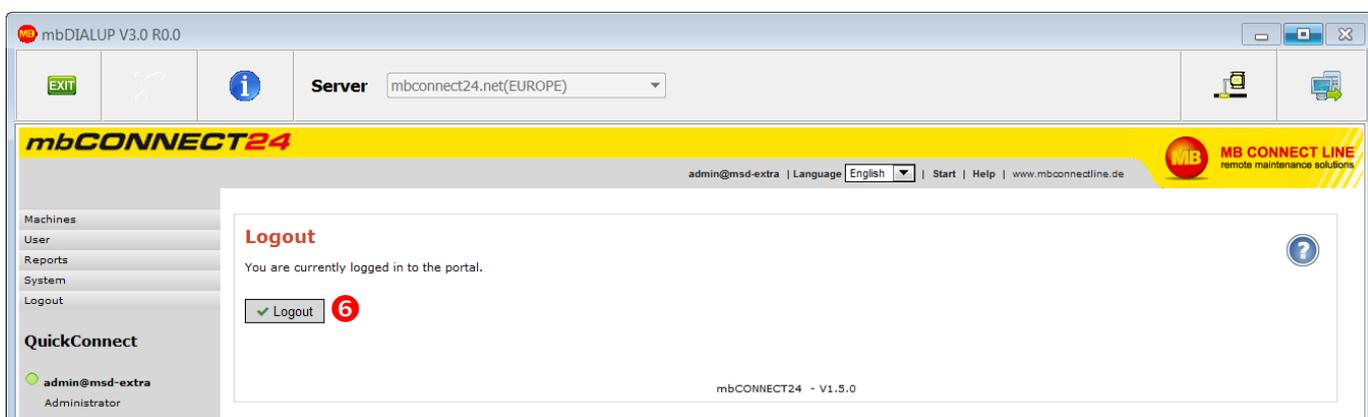Use the button [Disconnect] or the icon ❹ to terminate the connection.

8. Quit the *mbCONNECT24* session

To end your mbCONNECT24 session properly click the button Logout ❺
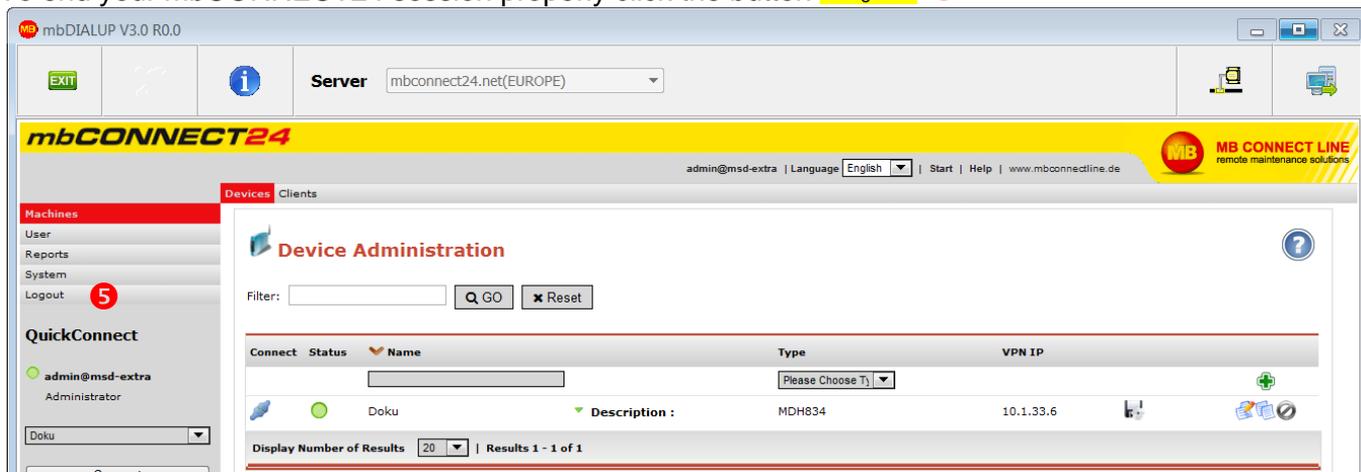
Then, to confirm, click Logout ❻ .

By clicking on EXIT ❼ you quit the client software *mbDIALUP*.