

User guide

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Web configuration page for
M-Bus Master Controller
2022



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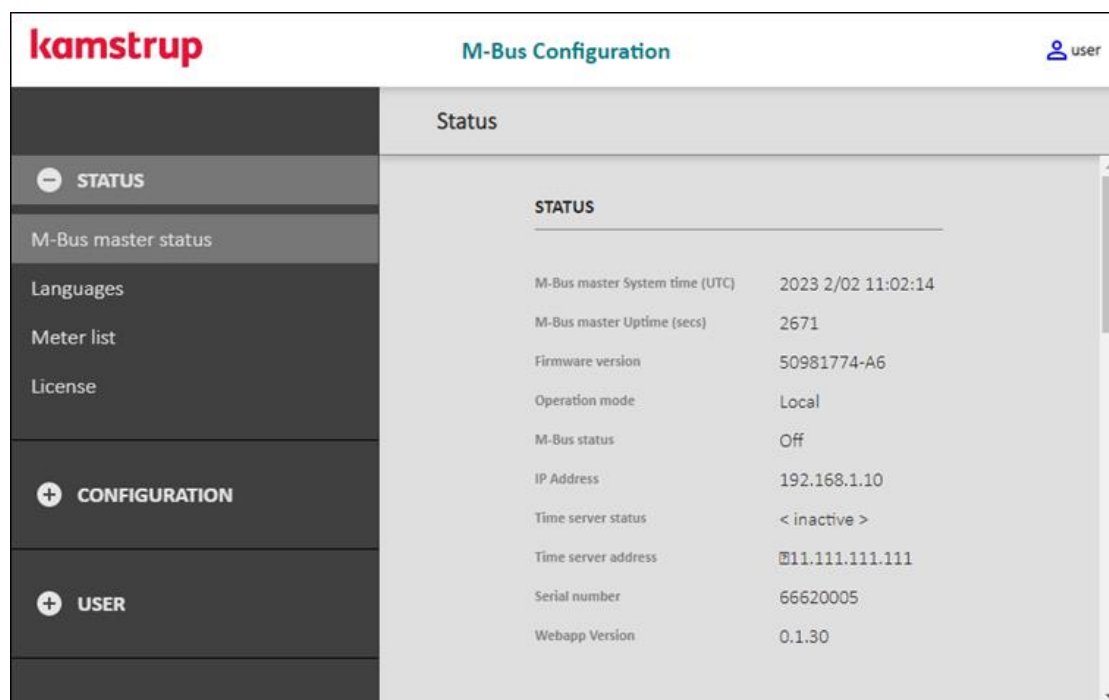
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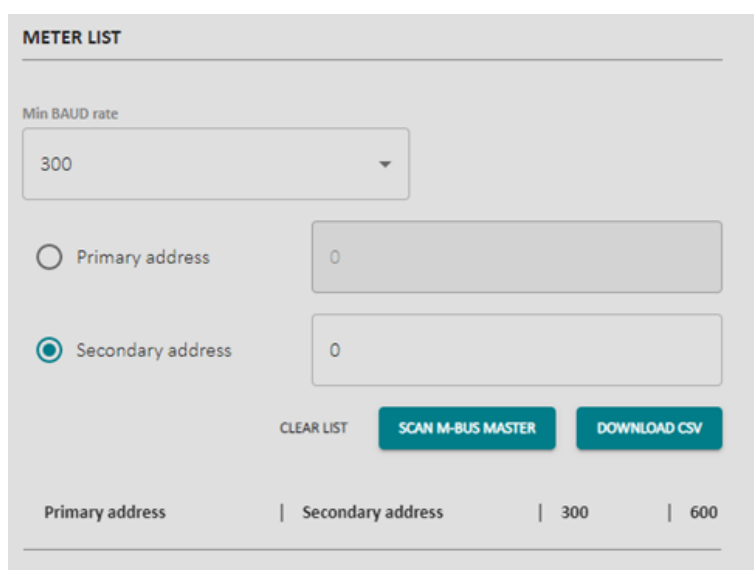
1. How to set up M-Bus Master Controller 2022

Once you have installed the M-Bus master and connected the meters, follow the steps below:

1. Connect the M-Bus master to a PC via USB cable.
2. In your internet browser, enter: 10.0.0.1/config to open a web configuration page for the M-Bus master:



3. Check that the M-Bus master is able to read all meters:
 - a. Select **Status > Meter list** in the menu on the left side.



- b. Select **Primary address** or **Secondary address**.

If in doubt, select **Secondary address**.

- c. Select **Scan M-Bus master**.

A list of all meters read by the M-Bus master now appears.

- d. If one or more meters are missing in the list, repeat step c once or twice to scan again for meters that were missing during the first scan.

If one or more meters are still missing in the list, check the cables to the meter(s) in question.

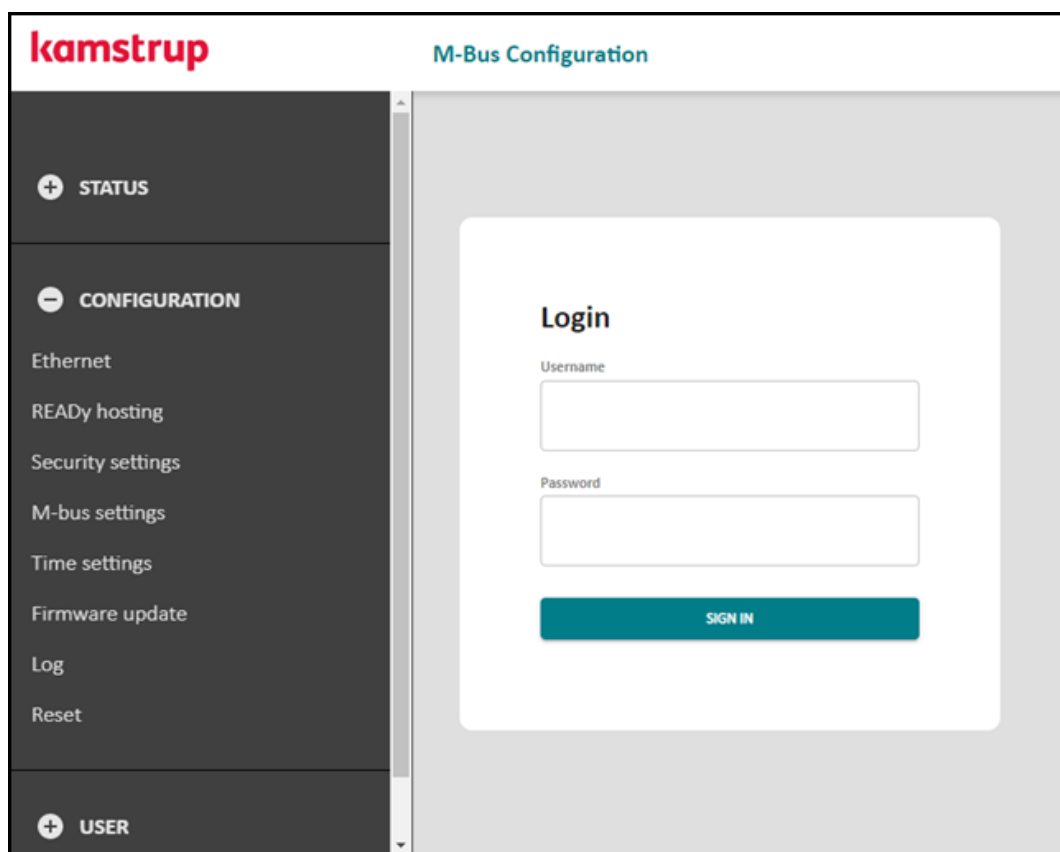
4. Set up the network connection to the M-Bus master:

- a. Select **Configuration** in the menu on the left side.

- b. Log in with the default user credentials:

User: user

Password: Kamstrup1

The screenshot shows the Kamstrup M-Bus Configuration web interface. On the left is a dark sidebar menu with three main sections: 'STATUS' (with a plus icon), 'CONFIGURATION' (with a minus icon), and 'USER' (with a plus icon). Under 'CONFIGURATION', there are links for Ethernet, READY hosting, Security settings, M-bus settings, Time settings, Firmware update, Log, and Reset. The main content area on the right is titled 'M-Bus Configuration' and displays a 'Login' form. The form has two input fields: 'Username' and 'Password', followed by a teal 'SIGN IN' button.

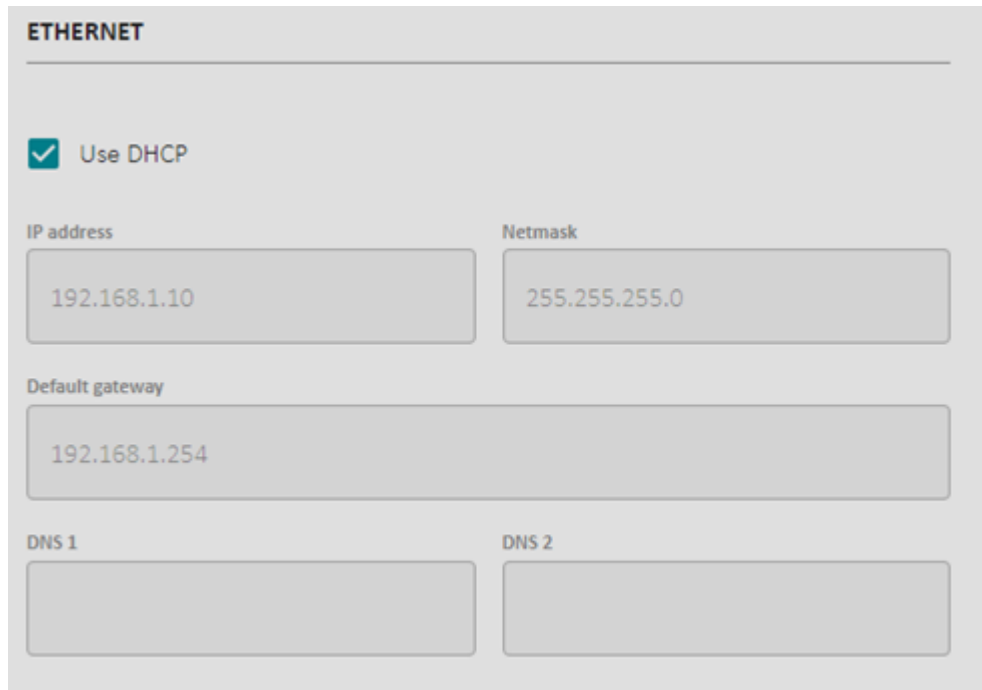
- c. Follow step i or ii:

- i. If you use dynamic IP addresses, make sure the **DHCP** checkbox is selected.

OR

- ii. If you use static IP addresses, clear the selection of the **DHCP** checkbox and enter the **IP address** and **Netmask**. Then scroll to the bottom of the page and press the **Reset** button.


If in doubt, select the **DHCP** checkbox.



The image shows a configuration form titled "ETHERNET". It contains a checked checkbox labeled "Use DHCP". Below this, there are three input fields: "IP address" with the value "192.168.1.10", "Netmask" with the value "255.255.255.0", and "Default gateway" with the value "192.168.1.254". At the bottom, there are two empty input fields labeled "DNS 1" and "DNS 2".

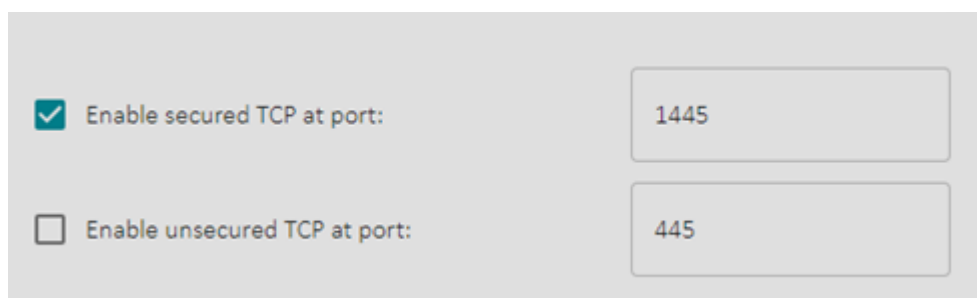
5. Indicate if the M-Bus master is part of a hosted READy system:
 - a. If the M-Bus master is part of a hosted READy system, make sure **READy hosting** is selected, otherwise clear the selection of the **READy hosting** checkbox.

If in doubt, select the **READy hosting** checkbox.



The image shows a configuration form titled "READY HOSTING". It contains a checked checkbox labeled "Enable READy hosting".

6. If the M-Bus master is used in a local READy system (i.e. not a hosted READy system) and connected via a LAN network:
 - Enter the port number you use or keep the default port number. (If in doubt, keep the default port number).
 - Select **Enable secured TCP at Port** to encrypt the connection between the M-Bus master and READy (strongly recommended) or select **Enable unsecured TCP at Port** to not encrypt the TCP connection (NOT recommended).



The screenshot shows a configuration interface with two rows. The first row has a checked checkbox labeled "Enable secured TCP at port:" followed by a text input field containing the number "1445". The second row has an unchecked checkbox labeled "Enable unsecured TCP at port:" followed by a text input field containing the number "445".

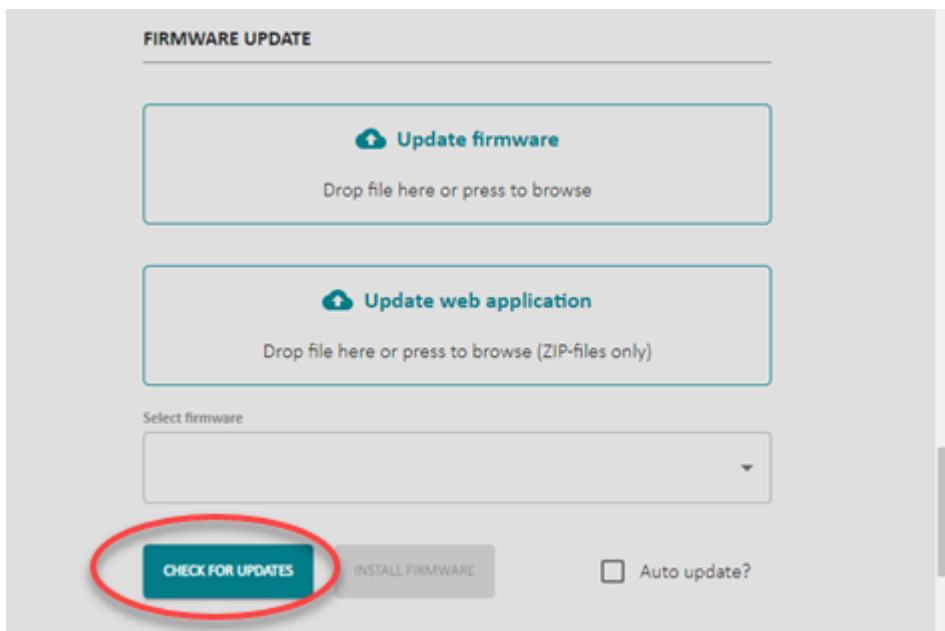
7. In **M-Bus settings**, keep the default settings for the M-Bus communication (recommended) unless you have good reasons for changing them.
8. In **Time settings**, select your time zone and how you want to set the time in the M-Bus master:
 - **Use PC time**: Use the time of the PC to set the time in the M-Bus master.
 - **Use time server** (requires internet connection): use the default time server suggested by Kamstrup or enter the address of the one you want to use.
 - **Set time manually**: Manually enter the current time.



The screenshot shows the "TIME SETTINGS" section. It has three radio button options: "Use PC time" (selected), "Use timeserver" (with a text input field containing "11.111.111.111"), and "Set time manually" (with a text input field containing "dd/mm/yyyy --:--" and a calendar icon). Below these is a "Timezone" dropdown menu showing "(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna".

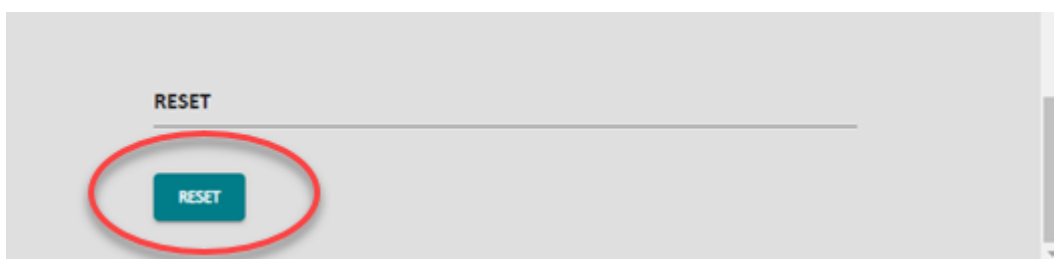
9. Check that you have the latest firmware in the M-Bus master:
 - a. Select **Check for updates** (requires internet connection). If a newer firmware appears in the **Select firmware** list, select it and click **Install firmware**.

If no internet connection is available, see “How to update the firmware of the M-Bus master” on page 12 to upload the new firmware manually.



Hint Select **Auto update?** to update the firmware automatically when new firmware is available (the M-Bus master will automatically be reset after each update).

- b. Scroll down and press the **Reset** button at the bottom of the page:



10. Close the web configuration page.

2. How to create and delete users

The web configuration page keeps track of the users who log in and their actions. This means that if you create different user logins for the different users of the web configuration page, you can keep track of their actions.

1. Connect the M-Bus master to a PC via USB cable.
2. In your internet browser, enter: 10.0.0.1/config to open a web configuration page for the M-Bus master.
3. Select **Users** in the menu on the left side.
4. Log in with your user credentials or use the default user credentials:

User: user

Password: Kamstrup1

5. Follow step a or b:
 - a. To add a new user, select **Add user** and enter the desired user name and password. Click **Add user**.

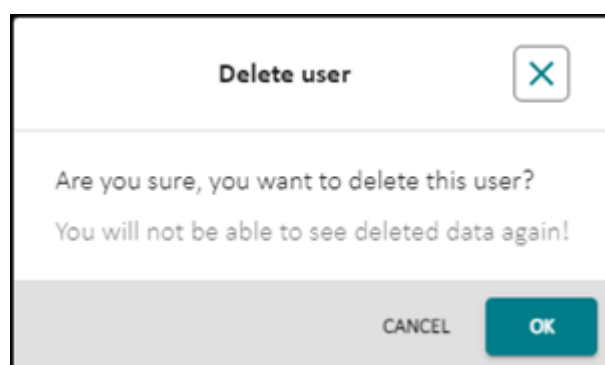
You can create up to 5 users.

OR

- b. To delete a user, click  next to the user you want to delete.

Note You cannot delete the user currently logged in.

6. Click OK to confirm:



3. How to change the language of the web configuration page

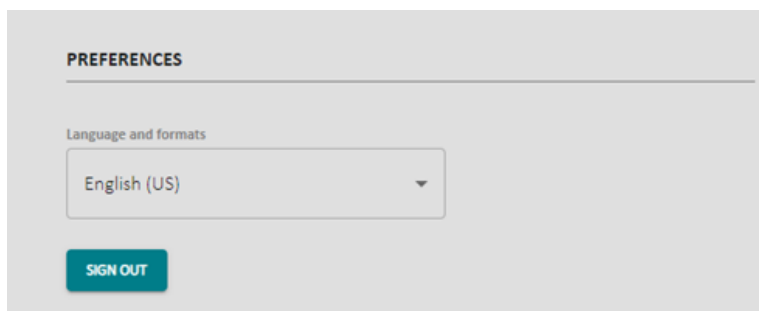
Follow the steps below to change the language of the web configuration page:

1. Connect the M-Bus master to a PC via USB cable.
2. In your internet browser, enter: 10.0.0.1/config to open a web configuration page for the M-Bus master.
3. Select **Users** in the menu on the left side.
4. Log in with your user credentials or use the default user credentials:

User: user

Password: Kamstrup1

5. In **Language and formats**, select the desired language:



4. How to update the web configuration application

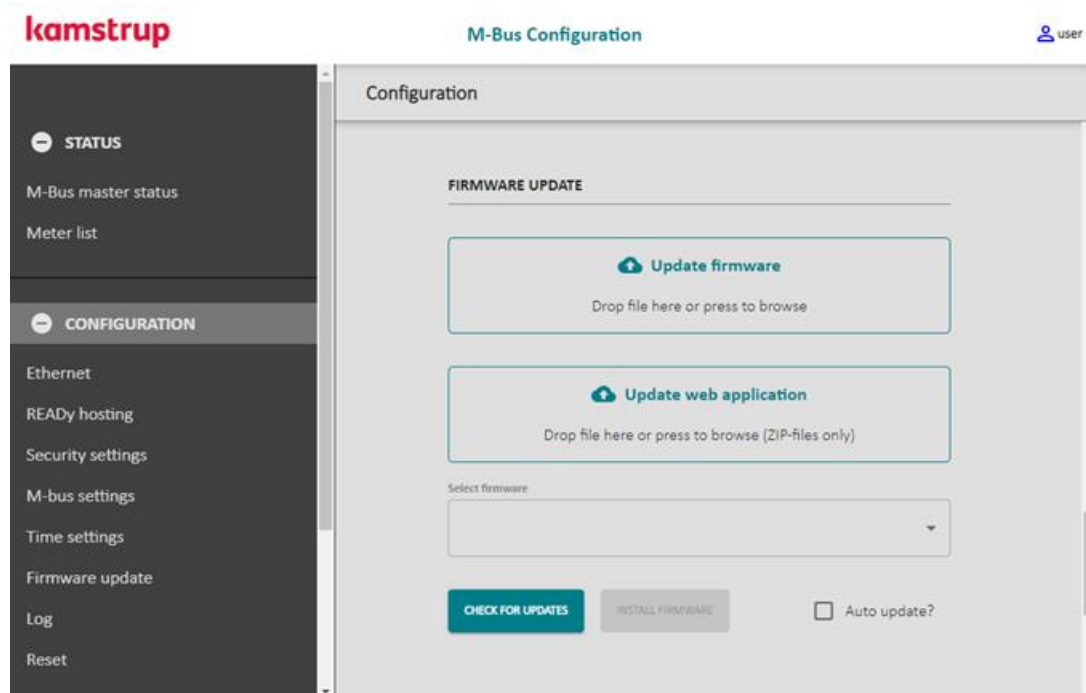
If you have received a ZIP file with updates to the web configuration page, follow the steps below:


1. Connect the M-Bus master to a PC via USB cable.
2. In your internet browser, enter: 10.0.0.1/config to open a web configuration page for the M-Bus master.
3. Select **Configuration** in the menu on the left side.
4. Log in with your user credentials or use the default user credentials:

User: user

Password: Kamstrup1

5. Select **Firmware update** in the **Configuration** menu on the left side:



6. Click **Update web application**.
7. Browse to and select the ZIP file with the update to your web configuration page. Click **Open**.
8. Press the update page icon  at the top of your web browser.

5. How to update the firmware of the M-Bus master

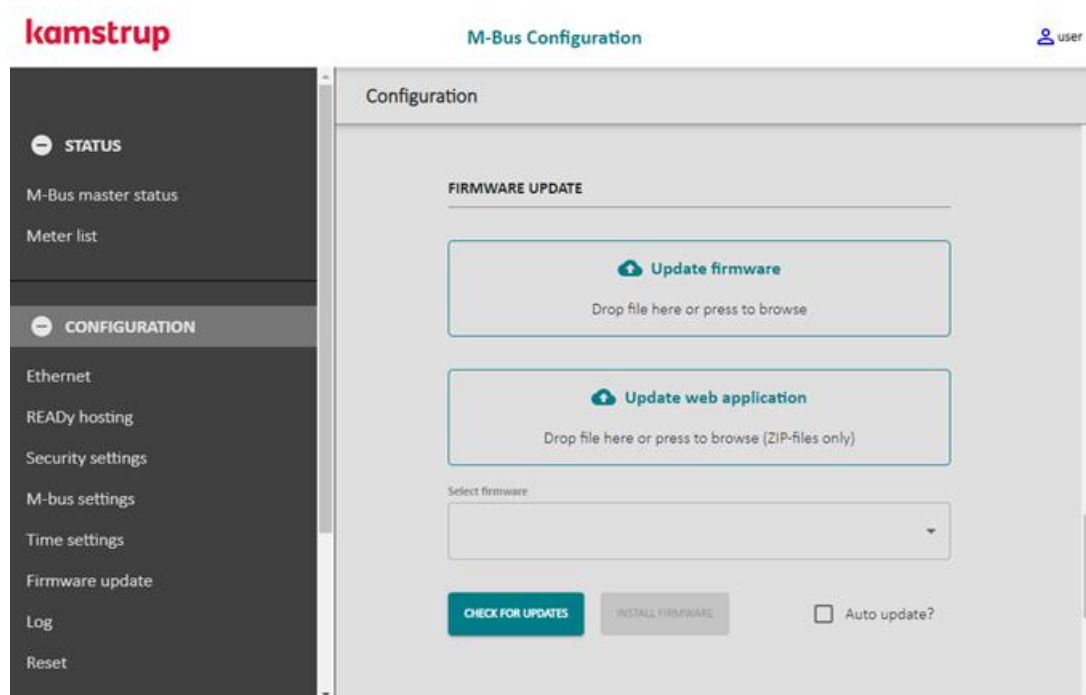
If you have received an Update.bin file from Kamstrup with a new firmware for your M-Bus master, follow the steps below:

1. Connect the M-Bus master to a PC via USB cable.
2. In your internet browser, enter: 10.0.0.1/config to open a web configuration page for the M-Bus master.
3. Select **Configuration** in the menu on the left side.
4. Log in with your user credentials or use the default user credentials:

User: user

Password: Kamstrup1

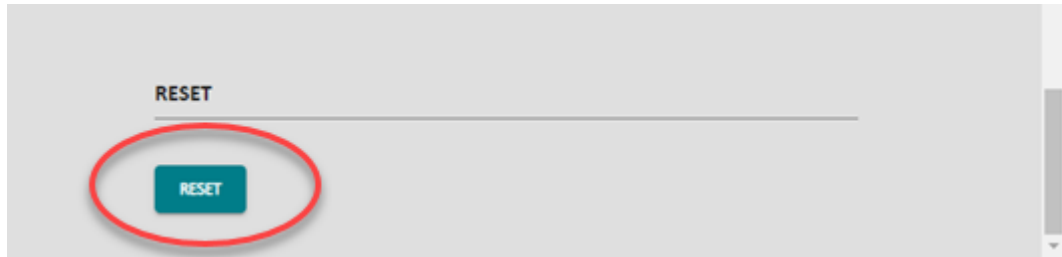
5. Select **Firmware update** in the **Configuration** menu on the left side:



6. Click **Update firmware**.
7. Browse to and select the Update.bin file with the new firmware. Click **Open**.
8. Click **Install firmware**.

Wait for the installation to complete.

9. Scroll down and press the **Reset** button at the bottom of the page:



6. How to add a security certificate

Normally, Kamstrup security certificates are updated automatically. However, in the event that you receive a certificate file from Kamstrup that you need to add to your M-Bus master, follow the steps below:


1. Connect the M-Bus master to a PC via USB cable.
2. In your internet browser, enter: 10.0.0.1/config to open a web configuration page for the M-Bus master.
3. Select **Configuration** in the menu on the left side.
4. Log in with your user credentials or use the default user credentials:

User: user

Password: Kamstrup1

5. Select **Security settings** in the **Configuration** menu on the left side:

SECURITY SETTINGS

 **Add certificate file**

Drop file here or press to browse

Certificate name	Hash	Actions
No rows		

Rows per page: 5 0-0 of 0

6. Click **Add certificate file**. Browse to and select the certificate file from Kamstrup and click **Open**.

7. How to troubleshoot your M-Bus master

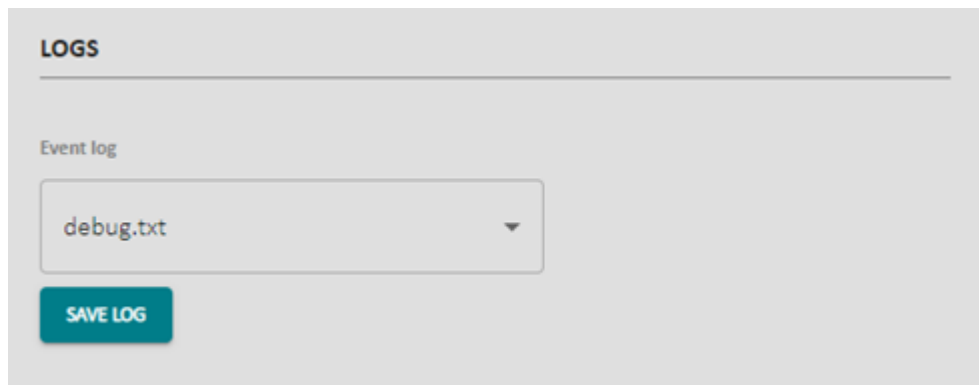
Follow the steps below to find the log files in your M-Bus Master:

1. Connect the M-Bus master to a PC via USB cable.
2. In your internet browser, enter: 10.0.0.1/config to open a web configuration page for the M-Bus master.
3. Select **Configuration** in the menu on the left side.
4. Log in with your user credentials or use the default user credentials:

User: user

Password: Kamstrup1

5. Select **Log** in the **Configuration** menu on the left side.



6. In **Event log**, select the debug or system log.
7. Click **Save log**.

For details about the status LEDs on the M-Bus master, see the data sheet for your M-Bus Master Controller 2022.