

MADOW MASTER 1.1

User Manual

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Table of Contents

- Legal information 3**
- 1. General information 5**
 - 1.1. Scope of delivery 5
 - 1.2. Other applicable documents 5
 - 1.3. Network security 5
- 2. General product information 6**
- 3. Opening MADOW MASTER 7**
 - 3.1. Requirements 7
 - 3.2. Making settings for MADOW MASTER 7
 - 3.3. Opening MADOW MASTER directly in the browser 8
 - 3.4. Opening MADOW MASTER from the MADOW app 9
- 4. Working with MADOW MASTER 11**
 - 4.1. Displaying a floor plan 11
 - 4.2. Uploading a floor plan 12
 - 4.3. Configuring a floor plan 13

Legal information

Safety information

This documentation contains information that you must observe for your personal safety and to prevent material damage. Read the safety information carefully and always keep this documentation within easy reach.

The safety information is presented in descending order of hazard level as follows:

**DANGER**

Indicates an immediate danger to humans. Failure to comply will lead to irreversible injuries or death.

**WARNING**

Indicates an identifiable hazard to humans. Failure to comply may lead to irreversible injuries or death.

**CAUTION**

Indicates an identifiable hazard to humans or potential material damage. Failure to comply may lead to reversible injuries or material damage.

**ATTENTION**

Indicates potential material damage. Failure to comply may lead to material damage.

**NOTE**

Notes give you tips, recommendations and useful information on specific actions and issues.

**TIP**

A tip gives you tips, tricks and recommendations from in.hub that have proven to be helpful in handling the products.

Qualified personnel

The product associated with this documentation may only be handled by personnel qualified for the respective task. The device may only be installed, commissioned and operated in compliance with the associated documentation and the safety information contained therein.

Based on their training and experience, qualified personnel are able to recognize risks and avoid potential hazards when handling these products.

Knowledge of personal computers, operating systems and web applications is required. General knowledge in the field of automation technology is recommended.

Intended use

in.hub products may only be used for the applications specified in the corresponding technical documentation.

If third-party products and components are used, they must be recommended or approved by in.hub.

Proper storage, setup, assembly, installation, commissioning, operation and maintenance are essential for the correct and safe operation of the products.

The permissible ambient conditions must be complied with. Instructions in the associated documentation must be followed.

Brands

All designations marked with the “®” symbol are registered trademarks. The other designations in this document may be trademarks whose use by third parties for their own purposes may infringe the rights of the owner.

Disclaimer

in.hub accepts no liability for product malfunctions resulting from improper handling, mechanical damage, incorrect application and improper use.

The contents of this document have been checked for conformity with the product described. However, deviations cannot be ruled out, so that we cannot guarantee complete conformity. The information in this publication is regularly reviewed. Necessary corrections are included in subsequent editions.

1. General information

This document contains all the information you need to commission and use the device/software.

The document is intended for service technicians, system administrators and installers who connect the product with other units, configure it and commission it.

1.1. Scope of delivery

1× MADOW MASTER licence for uploading the app to SIINEOS

1× User Manual as a PDF

1.2. Other applicable documents

In addition to this document, please observe the following documents. You can find these in the in.hub download portal at <https://download.inhub.de/>:

- User Manual for the IoT (Internet of Things) operating system SIINEOS
- User Manual for the software application MADOW

1.3. Network security

Please bear in mind that the product does not communicate in encrypted form within the internal network. Therefore, protect your network from unauthorized access from outside! Any integration into a network with Internet access must be undertaken with great caution. It is imperative to speak with your system administrator in advance.

2. General product information

MADOW MASTER is user software (an app) in SIINEOS that allows you to combine and visualize various machine-monitoring applications. The physical locations of the individual gateways that communicate with the application can be displayed in a floor plan so that you always have an overview of the existing infrastructure, especially for larger production sites.

The app accesses all configuration entries that you have made in the MADOW app.

The MADOW app is described in a separate User Manual, which is available in the in.hub download portal: <https://download.inhub.de/>.

3. Opening MADOW MASTER

3.1. Requirements

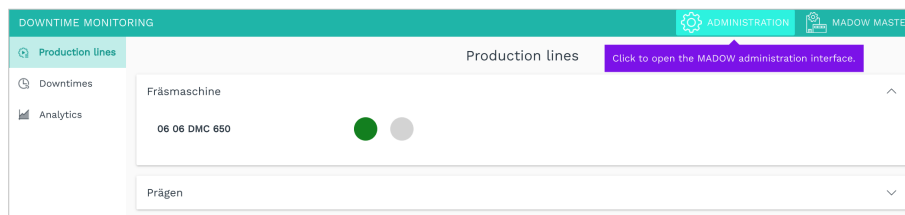
Ensure that the following requirements are met:

- The MADOW MASTER app was purchased separately from the MADOW app.
- The system administrator has enabled the MADOW MASTER app in SIINEOS.
SIINEOS > Apps > Madow Master > Enable app

3.2. Making settings for MADOW MASTER

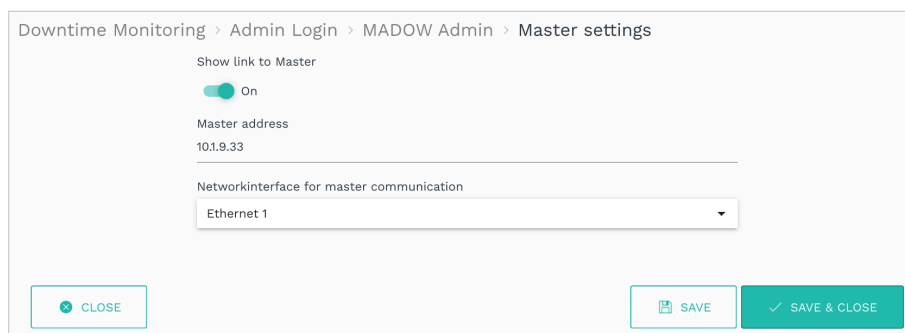
Before you can use the MADOW MASTER app, you need to make some settings in the MADOW app to establish the communication with the master gateway. The connection between the two software applications allows you to merge your machine monitoring and visualise the status of your production lines in the floor plan.

1. In the MADOW app, navigate to the **Administration** page at top right.



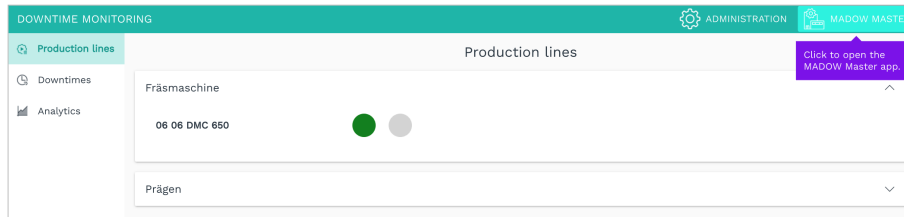
MADOW > Administration

2. Log on.
3. Click on **Master settings**.



Administration > Master settings

4. Make the desired settings:
 - a. **Show link to Master:**
Set the slider to **On** if you want the **MADOW MASTER** button to be displayed in the MADOW app.



Anyone who works with MADOW can open the floor plan;

– or –

set the slider to **Off** if only authorised persons are allowed to view the floor plan. MADOW MASTER can then only be accessed via the IP address or host name, which you can make available to selected persons.

b. **Master address:**

Enter the network address or host name of the master gateway that is connected to all other gateways in the production hall and via which you receive the signals from all gateways.

NOTE: MADOW MASTER can only retrieve the downtimes from MADOW and visualize them in the floor plan if an IP address is entered here.

c. **Network interface for master communication:**

Select the network to which you have access for communication with the master gateway.

5. Click on **Save & close**.

This will take you back to the **Administration** page.

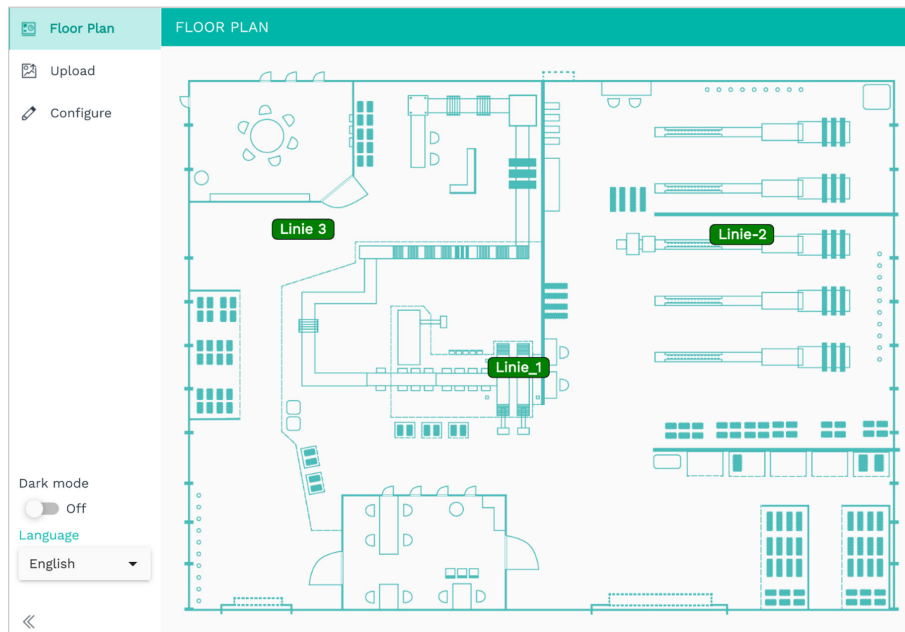
3.3. Opening MADOW MASTER directly in the browser

1. On your browser, enter the IP address of MADOW MASTER.

You can find this IP address under **Madow > Administration > Master settings > Master address**.

MADOW MASTER opens and displays the floor plan with the statuses of the production lines that you have created in MADOW.

When you open MADOW MASTER for the first time, a default floor plan is displayed, which you can easily overwrite.



Start page of the MADOW MASTER app with the preset default floor plan and the created production lines (example)



IF YOU CANNOT ACCESS MADOW MASTER

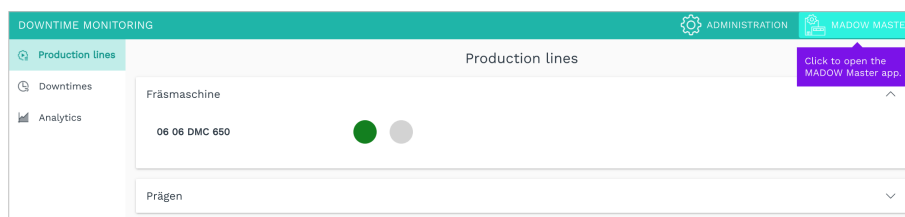
If MADOW MASTER does not open or the IP address cannot be accessed, the app may not have been enabled in SIINEOS. Please contact your system administrator.

3.4. Opening MADOW MASTER from the MADOW app

Requirement: The app administrator must have enabled the button for MADOW MASTER (**Madow > Administration > Master settings > Show link to master**).

Now anyone who has access to MADOW can also view the floor plan. Check whether this is compatible with your individual rights concept.

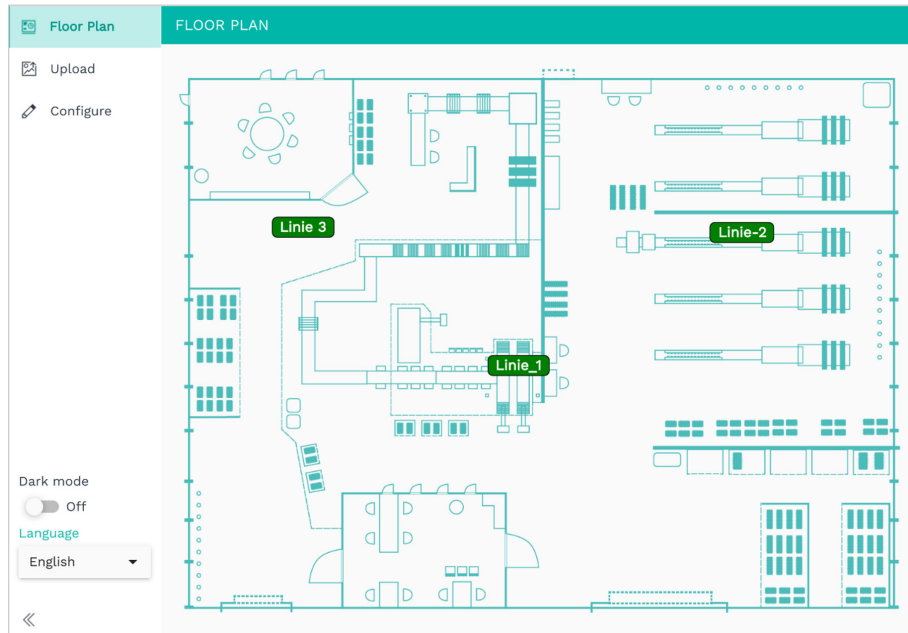
1. In the MADOW app, click on MADOW MASTER at top right.



Access to MADOW MASTER via the MADOW app

MADOW MASTER opens.

When you open MADOW MASTER for the first time, a default floor plan is displayed, which you can easily overwrite.



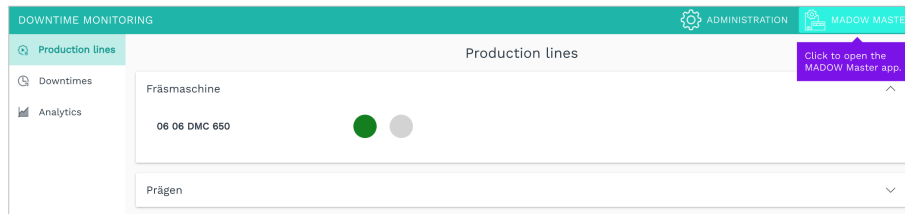
Start page of the MADOW MASTER app with the preset default floor plan and the created production lines (example)

4. Working with MADOW MASTER

4.1. Displaying a floor plan

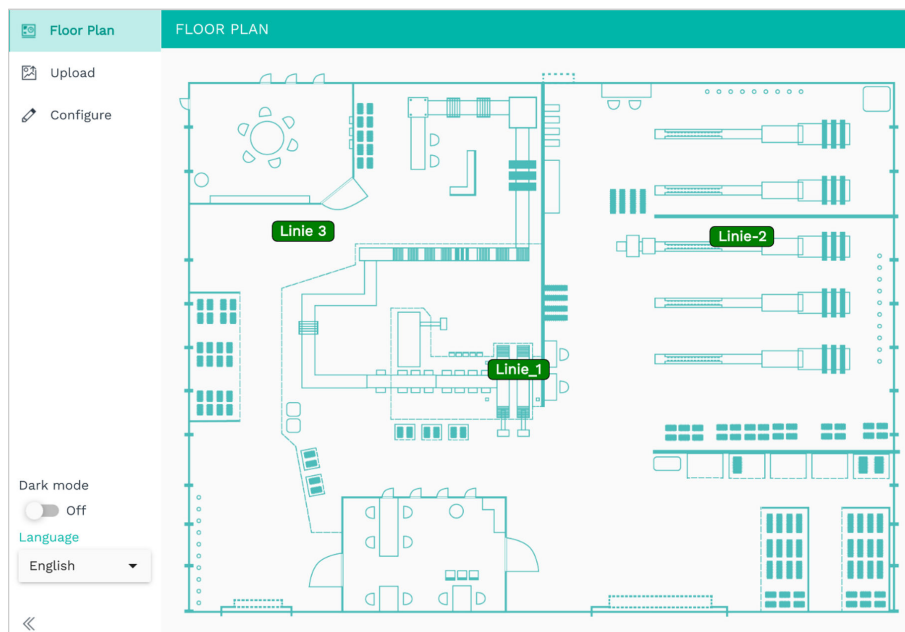
As soon as you have opened MADOW MASTER, the status of the production lines is retrieved from MADOW and displayed in the floor plan you have saved.

1. In the MADOW app, click on **MADOW MASTER** at top right.



MADOW > Access to the floor plan via the “MADOW MASTER” button

The MADOW Master with the stored floor plan opens.



MADOW MASTER > “Floor plan” page (example)

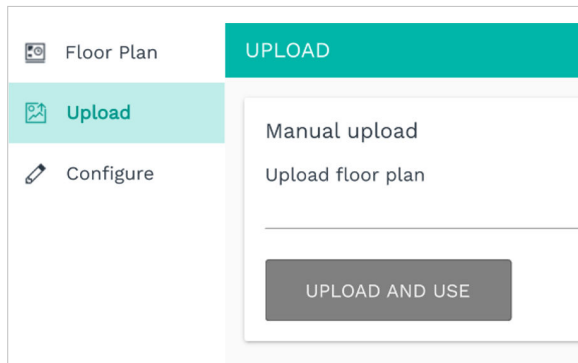
All lines created are displayed with a colour code:

- Dark green: Line running, but not all downtimes have been acknowledged
- Red: Current downtime on the line
- Light green: Production line running without downtime

2. Click on a line in the floor plan to go to the line overview.

4.2. Uploading a floor plan

1. Open the **Upload** page in MADOW MASTER.

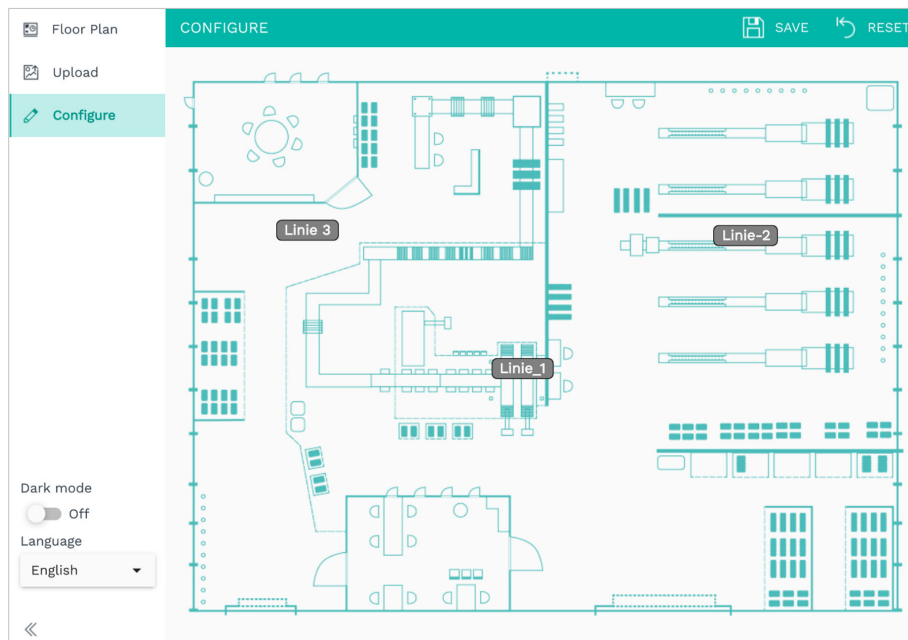


MADOW MASTER > “Upload” page

2. Click on **Upload and use**.
3. Select a floor plan.
This must be in JPEG, SVG or PNG format.
The floor plan can be updated at any time, even if lines and stations have already been created. They will simply be placed on the new floor plan.

4.3. Configuring a floor plan

1. Open the **Configure** page in MADOW MASTER.
The floor plan with the lines you have created is displayed (grey fields).



MADOW MASTER > “Configure” page (example)

2. If you want to move individual lines because the physical location has changed, click on a grey field, hold down the left mouse button and drag it to the new position.
3. If you want to hide and delete individual lines, click on a field.
A small window will appear in which you can either click on **Hide** or **Delete**.
You can only make changes to lines and stations in the **Administration** page.
4. To reset the position of the lines in the floor plan, click on **Reset** at top right.
5. Once you have moved the lines, click on **Save** to save the new position.

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