



# ibaM-DAQ

## System recovery

Manual

Issue 1.0

Measurement Systems for Industry and Energy

[www.iba-ag.com](http://www.iba-ag.com)

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The current version is available for download on our web site [www.iba-ag.com](http://www.iba-ag.com).

Version	Date	Revision	Author	Version SW
1.0	08-2023	First issue	st	1.0

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# 1 About this documentation

This documentation is a supplement to the *ibaM-DAQ* manual. Information about all the other characteristics and functions of the device can be found in the corresponding device manual.

## 1.1 Target group

This manual addresses in particular the qualified professionals who are familiar with handling electrical and electronic modules as well as communication and measurement technology. A person is regarded as professional if he/she is capable of assessing safety and recognizing possible consequences and risks on the basis of his/her specialist training, knowledge and experience and knowledge of the standard regulations.

## 1.2 Notations

In this manual, the following notations are used:

Action	Notation
Menu command	Menu <i>Logic diagram</i>
Calling the menu command	<i>Step 1 – Step 2 – Step 3 – Step x</i> Example: Select the menu <i>Logic diagram – Add – New function block</i> .
Keys	<Key name> Example: <Alt>; <F1>
Press the keys simultaneously	<Key name> + <Key name> Example: <Alt> + <Ctrl>
Buttons	<Key name> Example: <OK>; <Cancel>
Filenames, paths	<a href="#">Filename</a> , <a href="#">Path</a> Example: <a href="#">Test.docx</a>

## 1.3 Used symbols

If safety instructions or other notes are used in this manual, they mean:

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### Danger!



The non-observance of this safety information may result in an imminent risk of death or severe injury:

- Observe the specified measures.

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### Warning!



The non-observance of this safety information may result in a potential risk of death or severe injury!

- Observe the specified measures.

---

### Caution!



The non-observance of this safety information may result in a potential risk of injury or material damage!

- Observe the specified measures

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### Note



A note specifies special requirements or actions to be observed.

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### Tip



Tip or example as a helpful note or insider tip to make the work a little bit easier.

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### Other documentation



Reference to additional documentation or further reading.

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## 2 Introduction

This manual describes in the first step how to create a USB recovery media for an ibaM-DAQ using a USB Flash drive, a recovery media (ISO) file and the software application Rufus.

In the second step, the created or an existing recovery media is used to restore or install ibaM-DAQ.

A USB recovery media is supplied with the device (data medium „Recovery / iba Software & Manuals“). If you use this recovery media, you can skip the first step "Creation" and proceed with [➤ Usage](#), page 9.

## 3 System requirements

### 3.1 Hardware

- ibaM-DAQ
- Data medium „Recovery / iba Software & Manuals“ (included in the scope of delivery of ibaM-DAQ)
- Windows PC and USB Flash drive (minimum size of 16 GB) to create the recovery media if none exists yet

#### For operation

- 24 V DC voltage supply
- USB keyboard and mouse
- Monitor with Mini-DisplayPort connector or a Mini-DisplayPort to VGA/DVI/HDMI converter

### 3.2 Software

Only needed for creation of a recovery media

- Recovery media (ISO) file from iba support
- Rufus (<https://rufus.akeo.ie/>)

## 4 Recovery media creation and usage

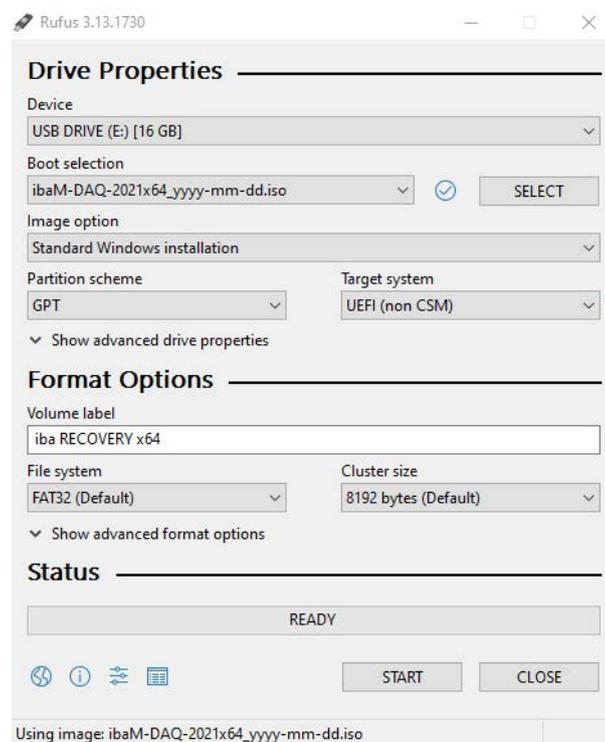
If you are using an existing recovery media, e. g. the one included in the scope of delivery of ibaM-DAQ, you can skip chapter ↗ *Creation*, page 8.

### 4.1 Creation

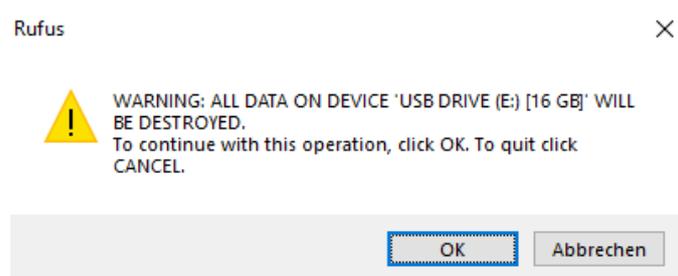
Contact the iba support for getting the recovery media (ISO) file.

Download the latest version of Rufus from <https://rufus.akeo.ie/>. The portable edition is sufficient.

Connect the USB Flash drive you want to use as recovery media to your PC. Then start “Rufus” and proceed as follows:



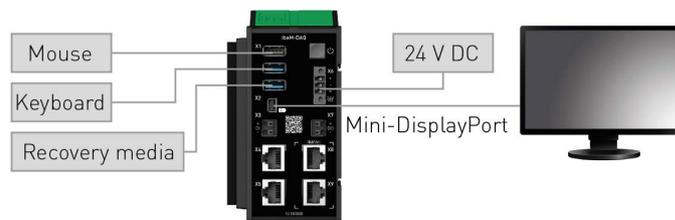
1. Select the correct USB Flash drive. Note that all data is erased on that drive!
2. Select the ISO file.
3. Click <Start> to create the USB recovery media.
4. Click <OK>



5. After the creation close "Rufus" and eject the USB Flash drive within Windows so it can be safely removed.
6. Follow the steps described in the following chapter.

## 4.2 Usage

### 4.2.1 Installation



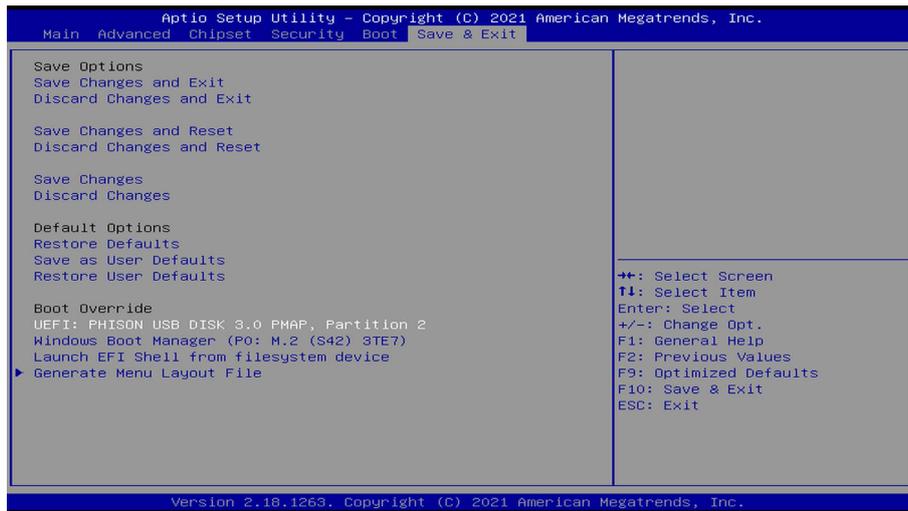
Connect the *ibaM-DAQ* device as seen above. Note that the Recovery media is connected to a USB 3.0 port for optimal performance during the recovery process. The connection shown above is an example.

### 4.2.2 ibaM-DAQ

Order No. 10.180000

- Time required: approx. 30 minutes
- Interactive input required

1. Insert the USB recovery media in one of the USB ports of the *ibaM-DAQ*
2. Turn on the system by pushing the power button.
3. Press <DEL> during the startup process to enter the UEFI/BIOS.
4. Navigate to the menu item "Save & Exit", select the USB Flash drive within the "Boot Override" options and press <RETURN> to boot from the USB Flash drive.

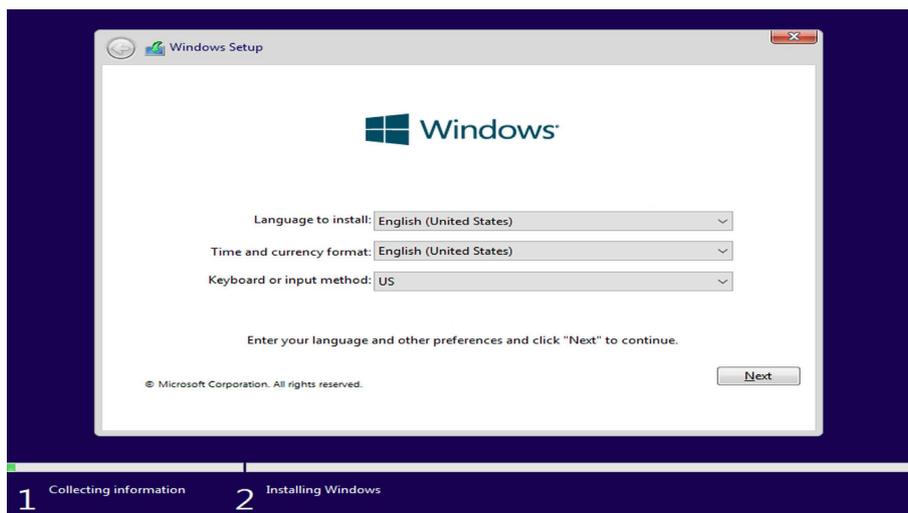


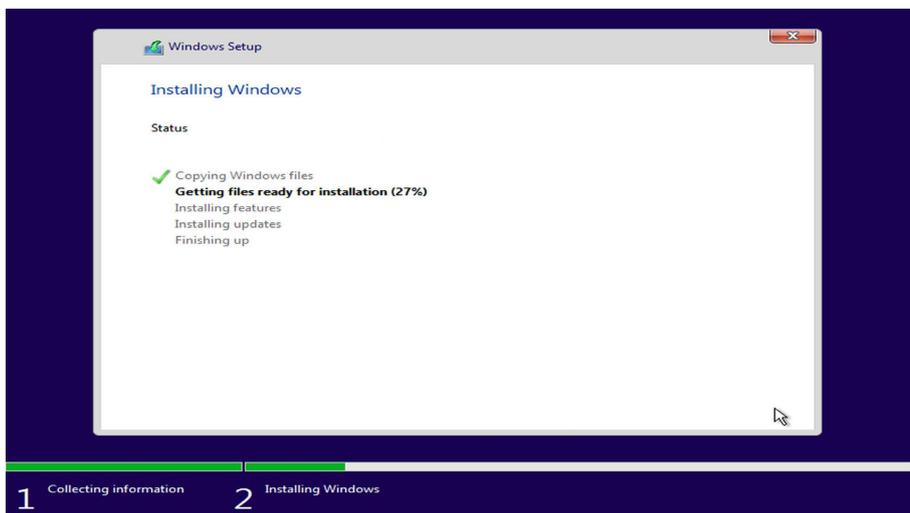
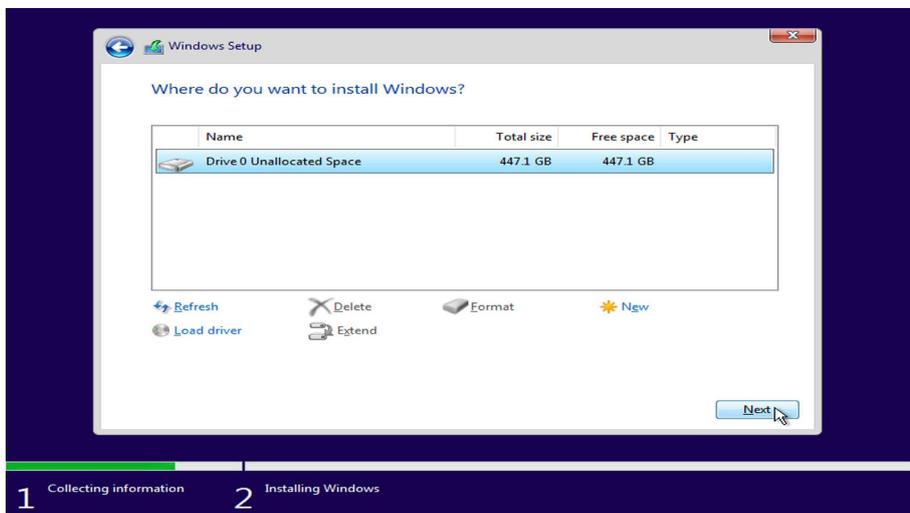
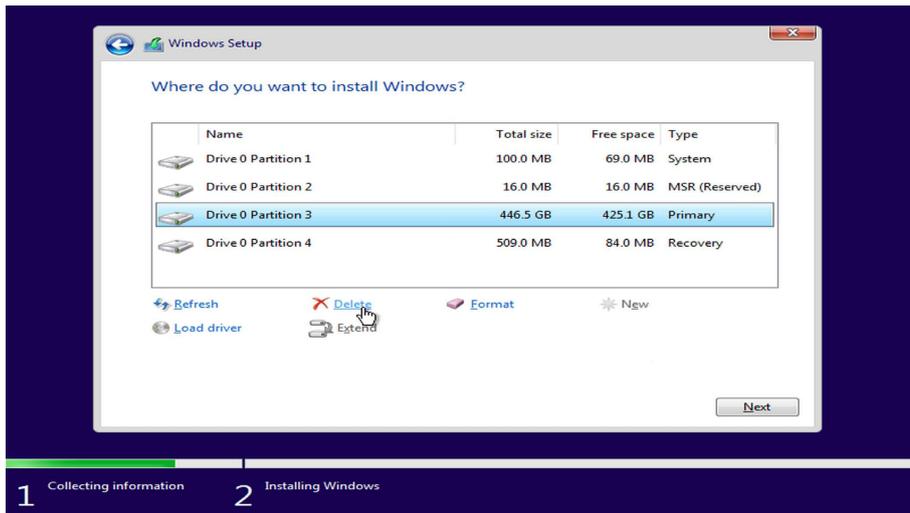
5. Follow the onscreen instructions.

**Note**



This system recovery is basically the same as a new installation. For example, you can choose the installation language at the beginning and then you have to reset the hard disk for the reinstallation.



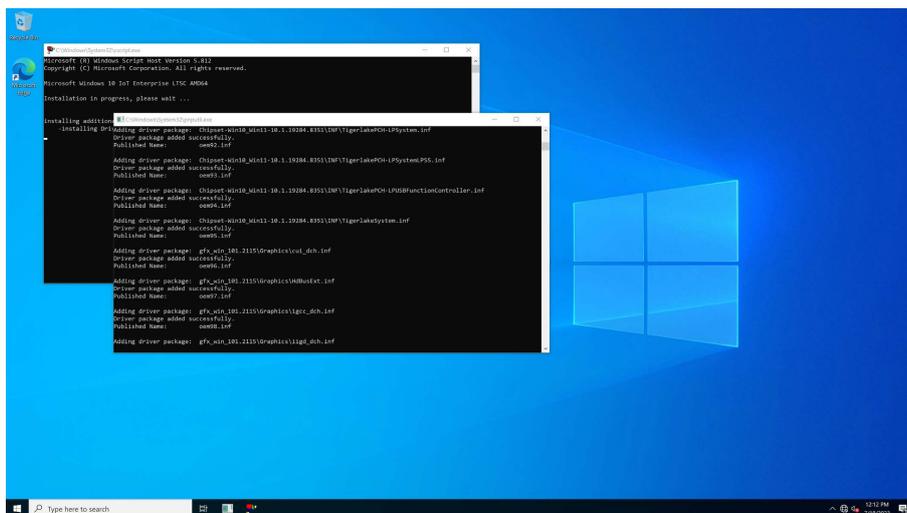
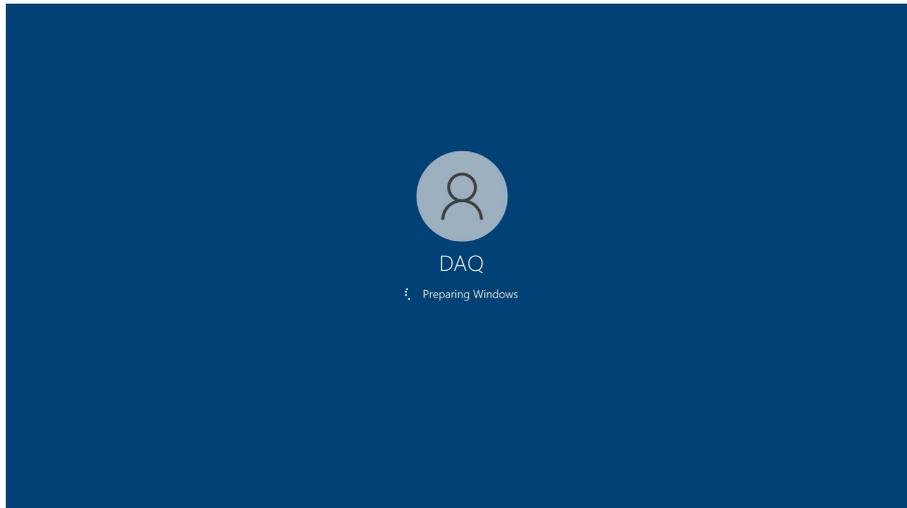


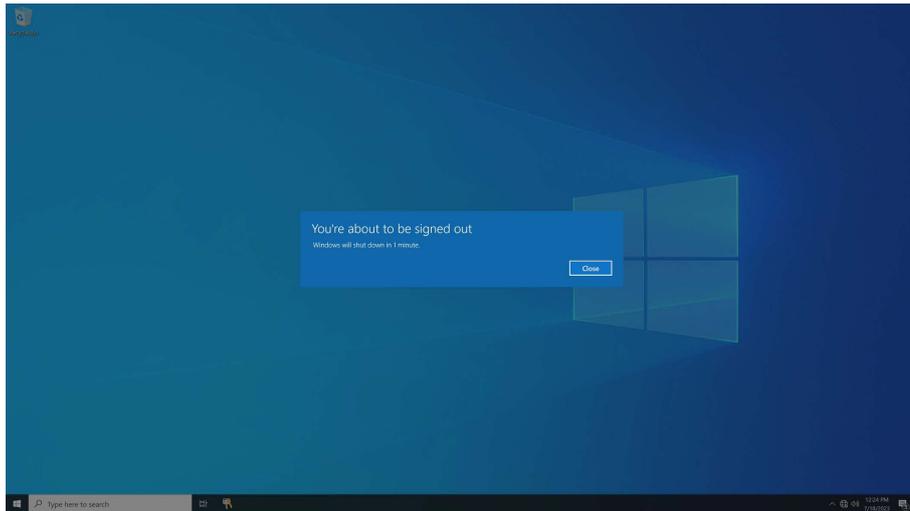
## 6. After Windows installation, proceed with further adjustments and installations.

### Note



This automated process must not be interrupted or influenced by simultaneous operation of mouse/keyboard





7. The recovery is finished when you see the Windows login screen. After that, remove the USB Flash drive and log in with the default password.



8. Finally  
Configure and apply the security settings used by your company.  
Don't forget to check latest Windows updates.  
Install the iba software.

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**Note**

The iba licenses remain due to the internal WIBU CmDongle.

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## 5 Support and contact

### Support

Phone: +49 911 97282-14  
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Email: support@iba-ag.com

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#### Note



If you need support for software products, please state the number of the license container. For hardware products, please have the serial number of the device ready.

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### Contact

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