



# **MOVIKIT<sup>®</sup> Licensing Check: Drive Level**

**Step-by-step instructions to check a drive's  
licenses**



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# 1 Preparation

## 1.1 Preparation of PC-software and drivers

Download and install the latest version of MOVISUITE®. At least version MOVISUITE® 2.10.52.0 is required for all available MOVIKIT® modules. You can download the most recent MOVISUITE software from the [SEW-EURODRIVE website](#).

Data & documents

CAD data | Documentation | Product data | **Software**

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	Designation	Size	Version
<input type="checkbox"/>	Latest: MOVISUITE® V2.22 Basic version (release date: 2021/08/05)	5.64 GB	2.22
<input type="checkbox"/>	Latest: MOVISUITE® V2.22 Update Package 1 (release date: 2021/08/17)	4.36 GB	2.22

## 1.2 Check the installed MOVISUITE® version and module package

Click button

Click button “Program information” to check the installed version and module package. It could take a short time until the module package appears.

MOVISUITE® standard

Start | Projects | Contact | Language | Settings | **Program information**

Program information

MOVISUITE® standard

Version V2.22 (2.22.10.0) —

Module package 2.22.12.1



### 1.3 Communication Interface

To communicate to the devices e.g. an USB-CAN Adapter USM21A needs to be used.  
The driver for USM21A adapter is already installed with MOVISUITE®.

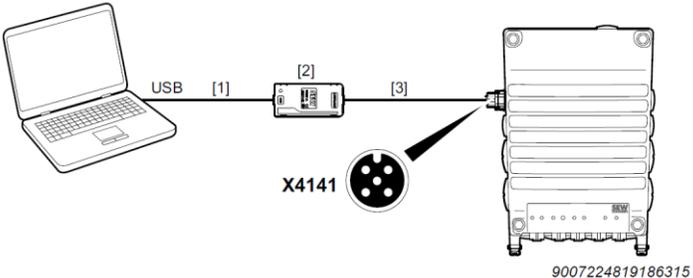
Adapter	
SEW part number	<b>28231449</b>
Included items	USM21A communication adapter USB connection cable 1.5m, USB-A -> USB-B, 08186804 RJ10 connection cable 3.0m, RJ10 -> RJ10, 08146993

#### Decentralized Drives: Connection to X31

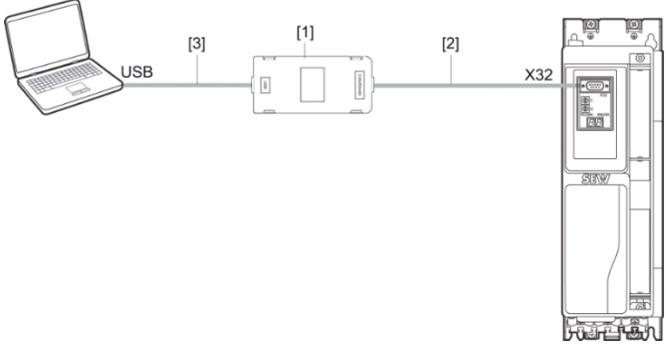
Adapter	<p style="text-align: right;">900722481877355</p>
	<p>[1] USB 2.0 connection cable (commercial, included in the delivery of USM21A)</p> <p>[2] Interface adapter USM21A</p> <p>[3] RJ10/RJ10 connection cable (included in the delivery of the USM21A interface adapter)</p>
SEW part number	<b>28231449</b>
Included items	USM21A interface adapter The following connection cables are included in the delivery: <ul style="list-style-type: none"> <li>• USB 2.0 connection cable             <ul style="list-style-type: none"> <li>– USB type A/USB type B,</li> <li>– Length: 1.5 m</li> </ul> </li> <li>• RJ10/RJ10 connection cable             <ul style="list-style-type: none"> <li>For connection to the engineering interface X31</li> <li>– With 2 RJ10 plug connectors</li> <li>– Length: 3 m</li> </ul> </li> </ul>



Decentralized Drives: Connection to X4141

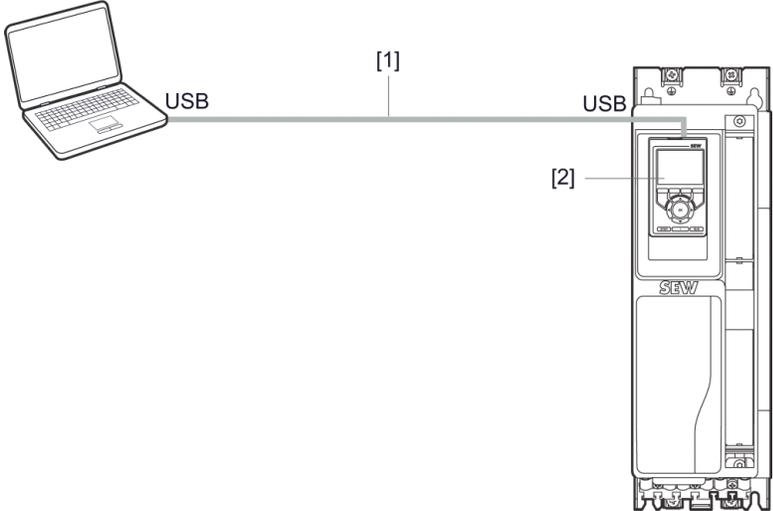
<p>Adapter</p>	 <p>[1] USB 2.0 connection cable (commercial, included in the delivery of USM21A)</p> <p>[2] Interface adapter USM21A</p> <p>[3] Connection cable RJ10/M12</p> <p>9007224819186315</p>
<p>SEW part numbers</p>	<p><b>28231449</b> <b>28139038</b> <b>28258185</b></p>
<p>Included items</p>	<p>Connection cable RJ10/M12 For connection to the engineering interface X4142</p> <ul style="list-style-type: none"> <li>• With RJ10 plug connector</li> <li>• With M12 plug connector, 5-pin, male, B-coded</li> <li>• Length: 3 m</li> </ul> <p>Retrofit set M12 engineering interface X4141</p>

Centralized Drive / Cabinet Inverter: Connection to X32

<p>Adapter</p>	
<p>SEW part numbers</p>	<p><b>[1]/[3] 28231449</b> <b>[2] 18123864</b></p>
<p>Included items</p>	<p>Connection cable RJ10/D-Sub plug connector For connection to the engineering interface X32</p> <ul style="list-style-type: none"> <li>• With RJ10 plug connector</li> <li>• With D-Sub plug connector</li> </ul>



Centralized Drive / Cabinet Inverter: Connection to the CBG keypad

Adapter	
SEW part numbers	-
Included items	Connection cable USB type A – USB Mini B For connection to the CBG11A/CBG21A/CBG22A

Other connection possibilities such as via MOVI-C CONTROLLER, EtherCAT or engineering via fieldbus can be used as well. Additional hardware could be required.

The used inverter or decentralized drive needs to be powered by 380-500V mains voltage or 24 VDC auxiliary power.



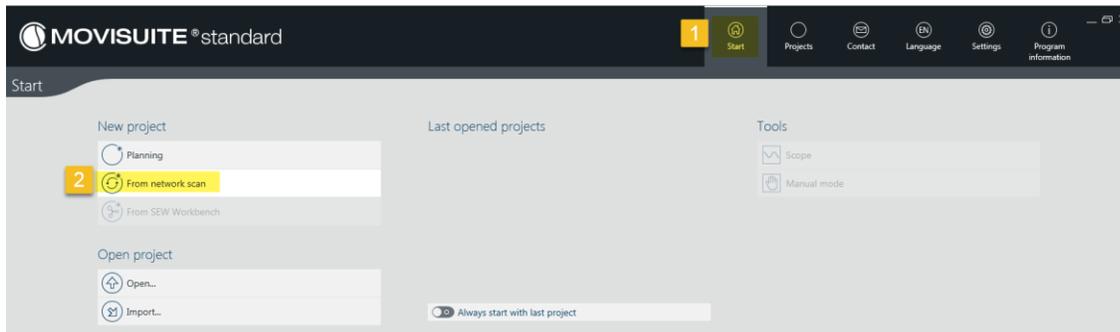
## 2 Connect to the inverter via MOVISUITE® and check application level

### 2.1 Start the MOVISUITE® software



### 2.2 Configure communication port

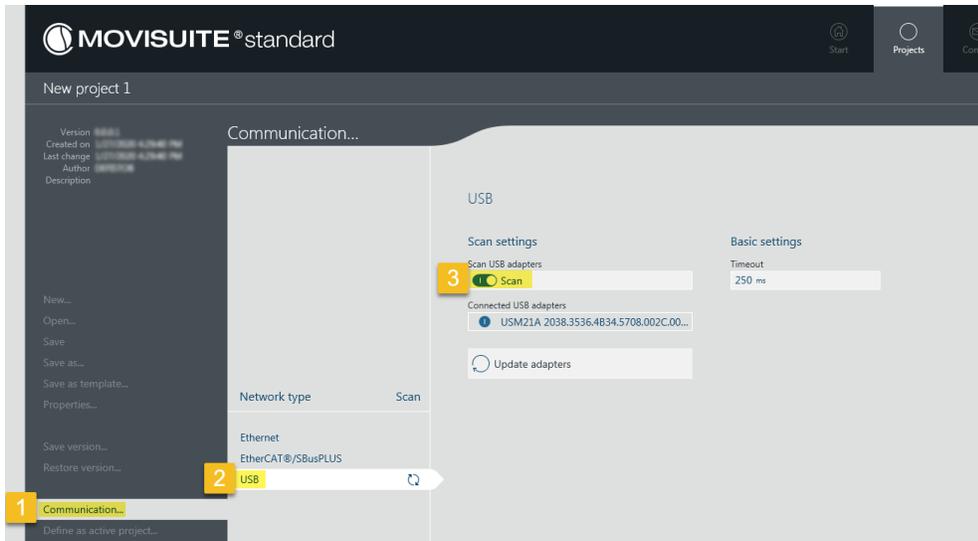
Please make sure that the communication adapter is connected to an USB port of the PC **BEFORE** MOVISUITE® is started.



- (1) Click button „Start“ in the toolbar.
- (2) Click button “From network scan”.



## 2.3 Scan the device

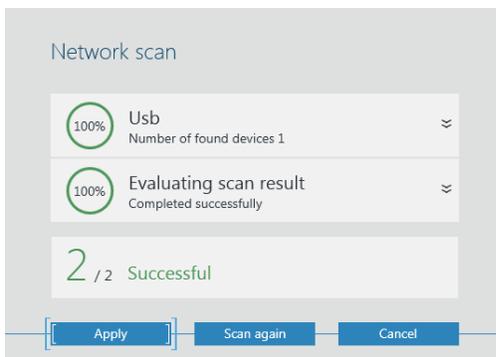


In this example, the connection between the device and the PC is set up with the USM adapter. This also works with other connection types.

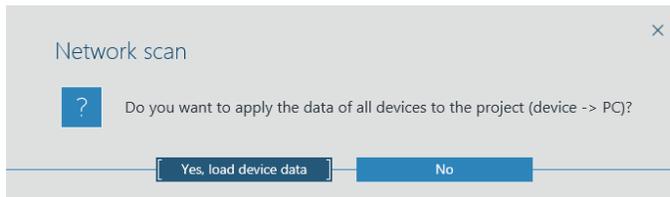
- (1) Select the communication “USB”.
- (2) Select the USB adapter. If you can't see USM21A as a connected USB adapter please check the connection of the USM21A to the SEW device and the connection of the USM21A to your PC.
- (3) Select SCAN.

Click button **Apply and start scan** on the bottom of the screen.

If the network scan was successful, a similar information pops up:



Click button “Apply”.

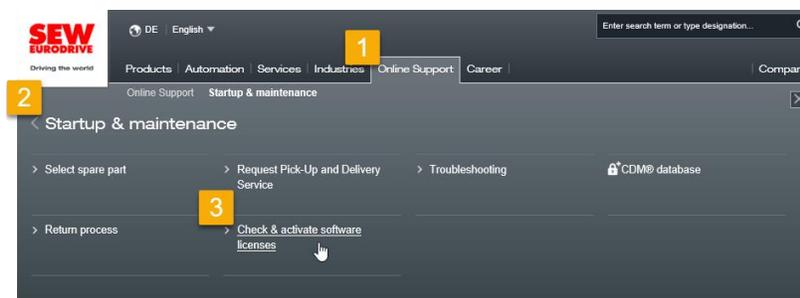


Click button “Yes, load device data”.

### 3 Checking process

#### 3.1 Access the license tool on the SEW-EURODRIVE website

Open the license tool on the SEW website: [Online Support | SEW-EURODRIVE \(seweurodrive.com\)](https://www.seweurodrive.com/online-support).

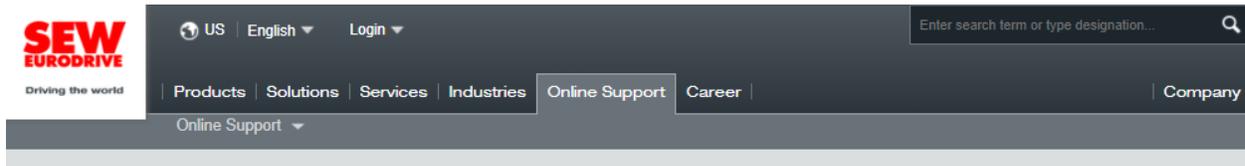


- (1) Click “Online Support”.
- (2) Click “Startup & maintenance”.
- (3) Click “Check & activate software licenses”.



## 3.2 Check the license

### 3.2.1 Via SEW-EURODRIVE website



#### Software licenses

A **1** e **Request** License files Manage HWIDs

#### Input

**Prompt software license status**  
Enter a hardware ID or a license key.

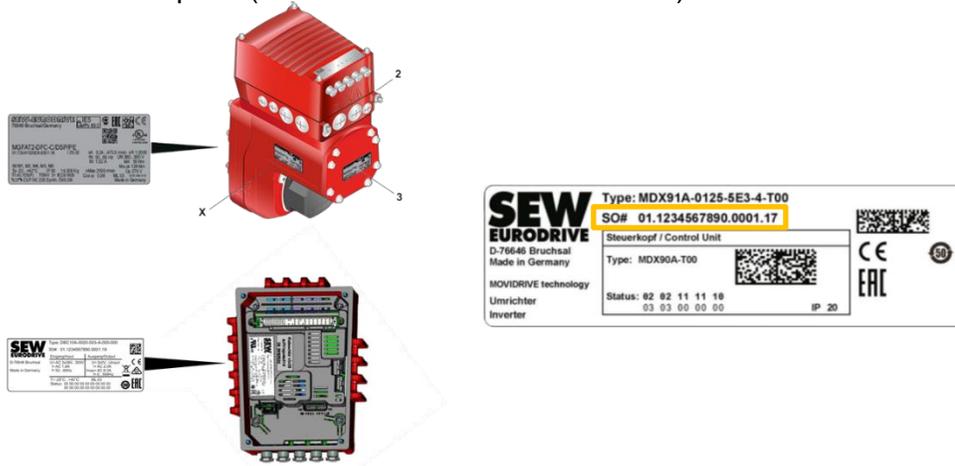
Hardware ID **i**  or License key

**3** Request

(1) Click on the “Request” header

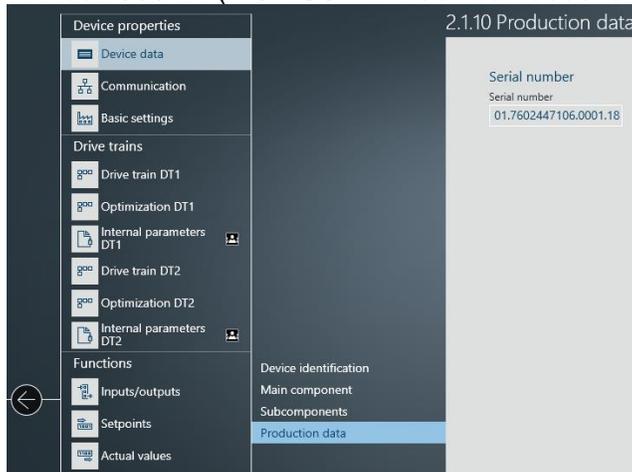
(2a) Add the serial number of the affected inverter / drive / electronic cover. You will find it:

- On the nameplate (inverter / drive / electronic cover) OR





- In index 8304.1 (MOVISUITE – device needs to be connected to a PC)



OR

- (2b) Enter known license key to see to what device the license is associated with.
- (3) Click on “Request”.

Associated information will be displayed in the Results box:

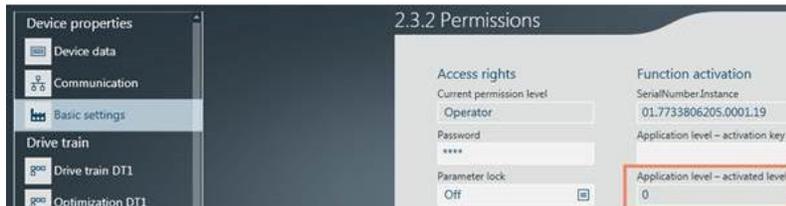
The screenshot shows the SEW EURODRIVE website's 'Software licenses' section. The top navigation bar includes 'DE', 'English', 'Login', a search bar, and menu items for 'Products', 'Automation', 'Services', 'Industries', 'Online Support', 'Career', and 'Company'. The 'Software licenses' page has tabs for 'Activate', 'Request', 'License files', and 'Manage HWIDs'. The 'Request' tab is active. Under 'Input', there is a 'Prompt software license status' section with the instruction 'Enter a hardware ID or a license key.' It features two input fields: 'Hardware ID' with the value '01.7799043' and 'License key' with the value 'H8PVR-JXUM4-BKTV3-H6LEM-YXVUK-BKV'. A red 'Request' button is below. The 'Result' section shows a message: 'The following licenses are activated for hardware ID 01.7799043001.0002.19:'. Below this is a table with three columns: 'Software name', 'Catalog designation', and 'License key'. The table contains one row: 'Application level 2 MDX', '2 MDX', and 'RCBHL-RXJ11-EW1G5-ZNY64-1V5W1-1PS'. A red button at the bottom of the result section says 'Activate additional license for this hardware ID'.

Software name	Catalog designation	License key
Application level 2 MDX	2 MDX	RCBHL-RXJ11-EW1G5-ZNY64-1V5W1-1PS



### 3.2.2 Check application level on the drive via MOVISUITE

As licenses and application levels are related to each other, you can also verify the correct application level and infer the available licenses.



### 3.3 Infer available licenses

Please check index 8438.2 in the permission settings of the drive to infer the available MOVIKIT licenses.

Available application levels:

- 0: MOVIKIT® Velocity Drive
- 1: MOVIKIT® from application level 0
  - MOVIKIT® Positioning Drive
  - MOVIKIT® RapidCreepPositioning Drive
- 2: MOVIKIT® from application level 1
  - MOVIKIT® customized