

Basic Instructions for Configuring NOVA-Satellite®

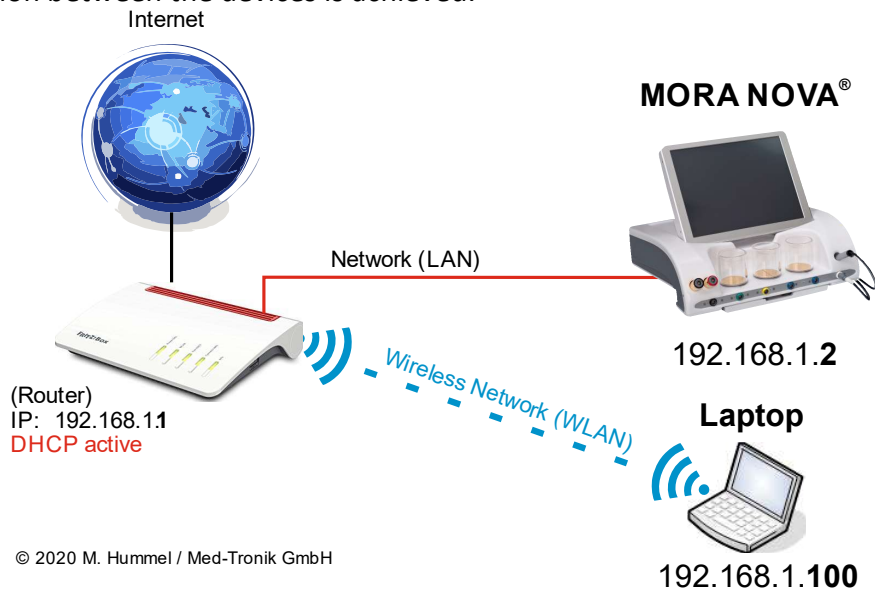
NOVA-Satellite® is a software tool designed to print results stored on a connected MORA® -NOVA. Additionally, it facilitates user interface updates, license management, and user data modifications, including editing, appending, and deleting records on the connected MORA® -NOVA.

NOVA-Satellite® operates on a Windows PC and communicates with the NOVA-DBServer®, which runs continuously on every MORA®-NOVA device. The software does not require installation; it can simply be copied onto the system, streamlining the setup process and eliminating the need for administrative privileges.

For proper communication, the MORA®-NOVA must be connected to the local network (LAN) via an Ethernet cable. The connection can be established as follows:

- The MORA®-NOVA is connected via cable to a router.
- The PC running NOVA-Satellite® can connect to the same router either via cable or wirelessly (WLAN).

By ensuring both the MORA®-NOVA and the PC are on the same network, seamless communication between the devices is achieved.



Picture 1

A connected MORA®-NOVA refers to a device where the Satellite software has established active communication with the database server (NOVA-DBServer®) running on the MORA®-NOVA. Ensuring both devices are on the same network is essential for seamless operation.

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Prepare the communication

1. Configuring and Connecting MORA®-NOVA to the Network

Before establishing communication, ensure that the MORA®-NOVA is properly configured and connected to the local network. Detailed configuration instructions can be found in the separate document:

Basic Instructions NOVA and Network.pdf

However, in most cases, no additional configuration is required—simply connect a network cable from the MORA®-NOVA to a free LAN port on the router (typically labeled LAN1–LAN4).

2. Ensuring a Stable Connection on Windows

Depending on the version of Windows and the user permissions on the PC, minor configuration adjustments may be necessary to establish a functional and stable connection between the NOVA-Satellite® software and the NOVA-DBServer® running on the MORA®-NOVA.

Step 1: Download the NOVA-Satellite® Software

Obtain the latest version of NOVA-Satellite® from the official manufacturer’s website:
https://med-tronik.de/fileadmin/Satellite_3_0_1_39.zip (Valid at the time of writing—please verify on the support page.)

For the most recent version, regularly check the Support section on the official website:
<https://med-tronik.de/support>

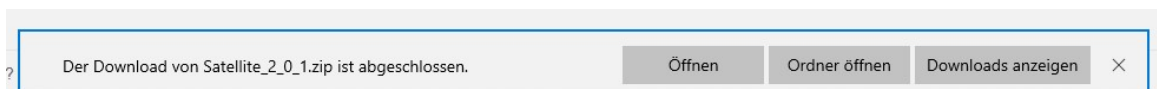
Step 2: Extract the Downloaded ZIP File

The downloaded file is provided in ZIP format, which is a compressed archive containing multiple files. After downloading:

Locate the file in the Downloads folder of the current user.

Extract the contents using the built-in Microsoft Windows functionality—no additional software is required.

Once extracted, the software is ready for use.



If you are using Microsoft Internet Explorer or Microsoft Edge (the successor to Internet Explorer), you may encounter a dialog box after downloading the file. Simply click [X] to close the window.

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Open Windows Explorer

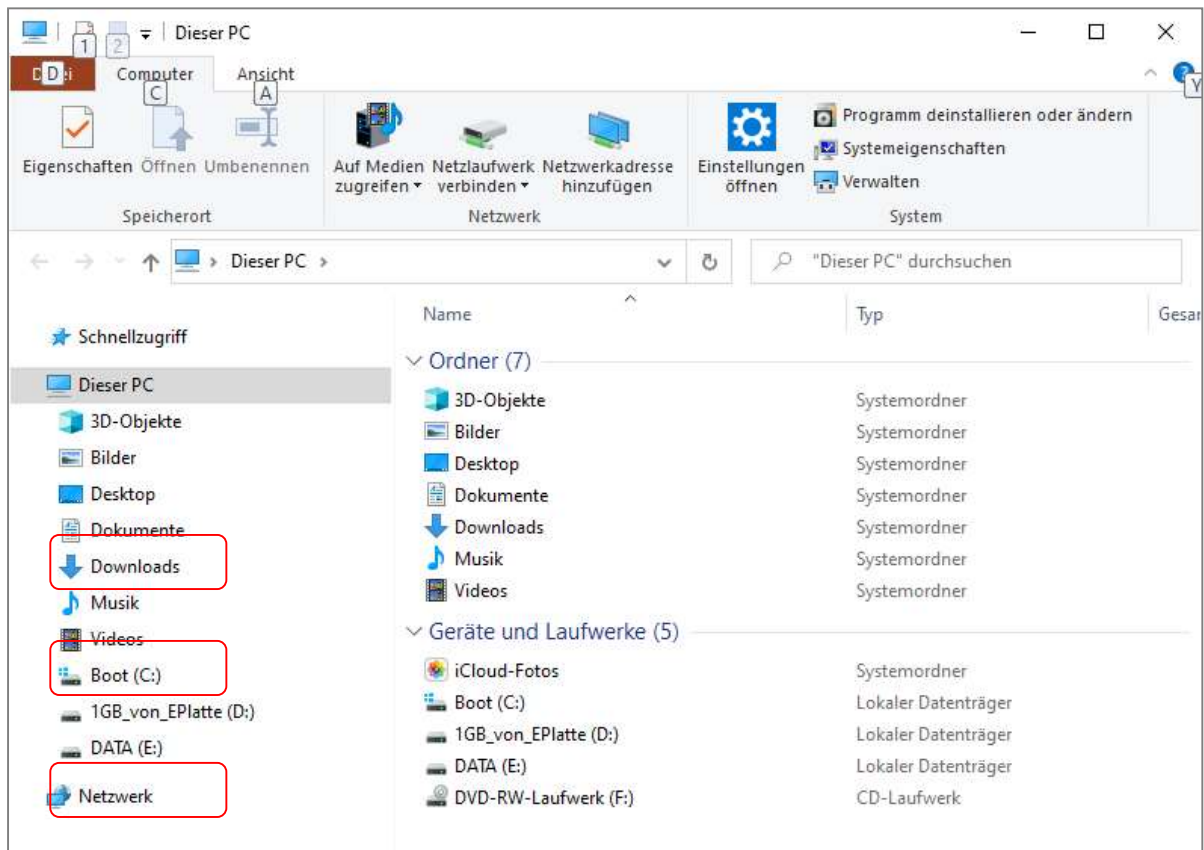
To open **Windows Explorer**, follow these steps:

1. **Press and hold the Windows key** (⊞) on your keyboard.
2. While holding the Windows key, **press the E key** once.

This keyboard shortcut is commonly written as:

<Windows> + <E>

Once Windows Explorer is open, you will see an overview of your folders, drives, and installed hardware on your PC.



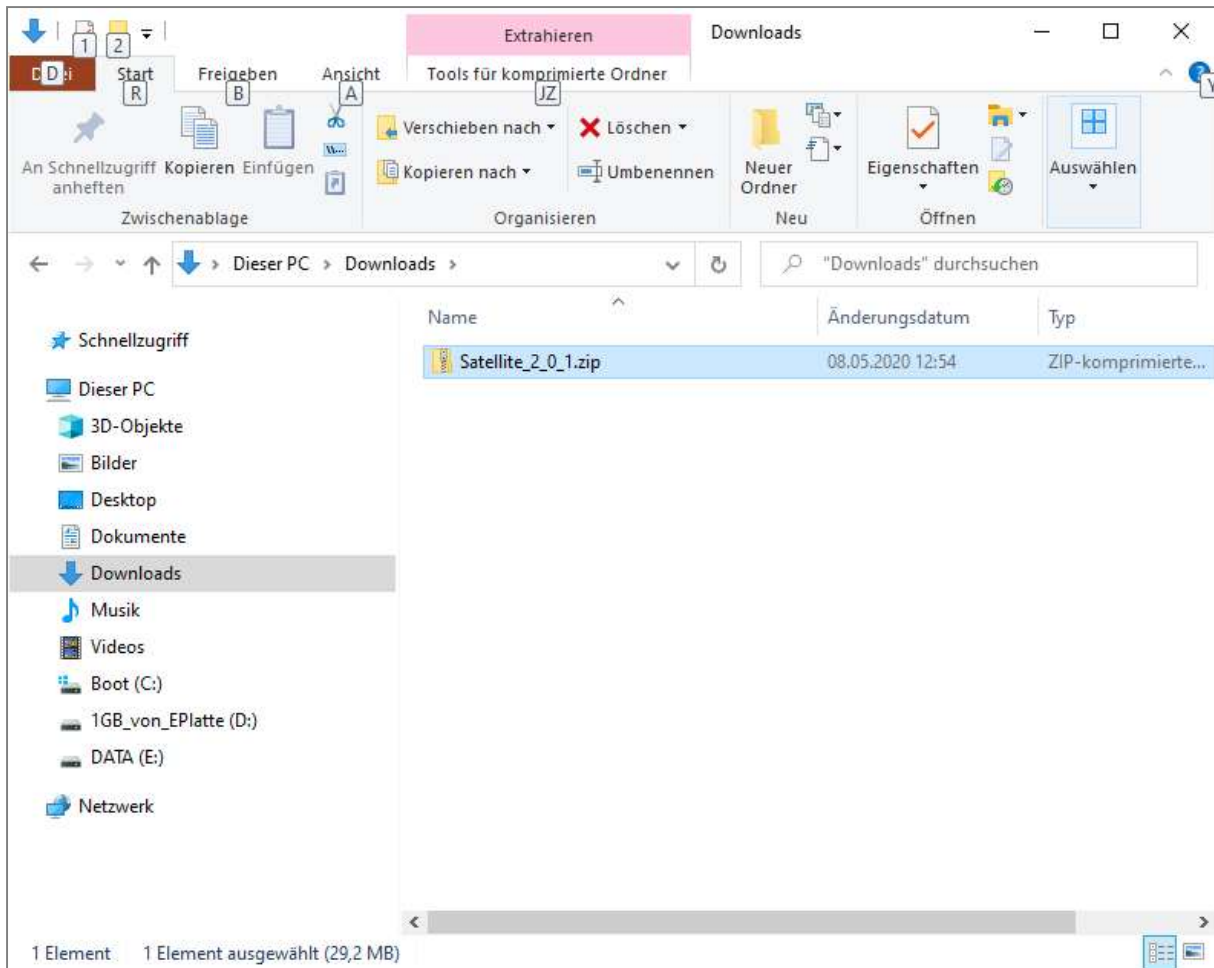
Picture 2

At this stage, the following locations are essential:

- A. **Downloads** – Contains the downloaded ZIP file.
- B. **C: Drive** – The primary storage location for system and program files.
- C. **Network (German: Netzwerk)** – Displays network-connected devices, including MORA®-NOVA.

We will use all three locations in the upcoming steps.

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Picture 3

1. **Right-click** on the downloaded ZIP file and select [**Copy**] from the context menu.

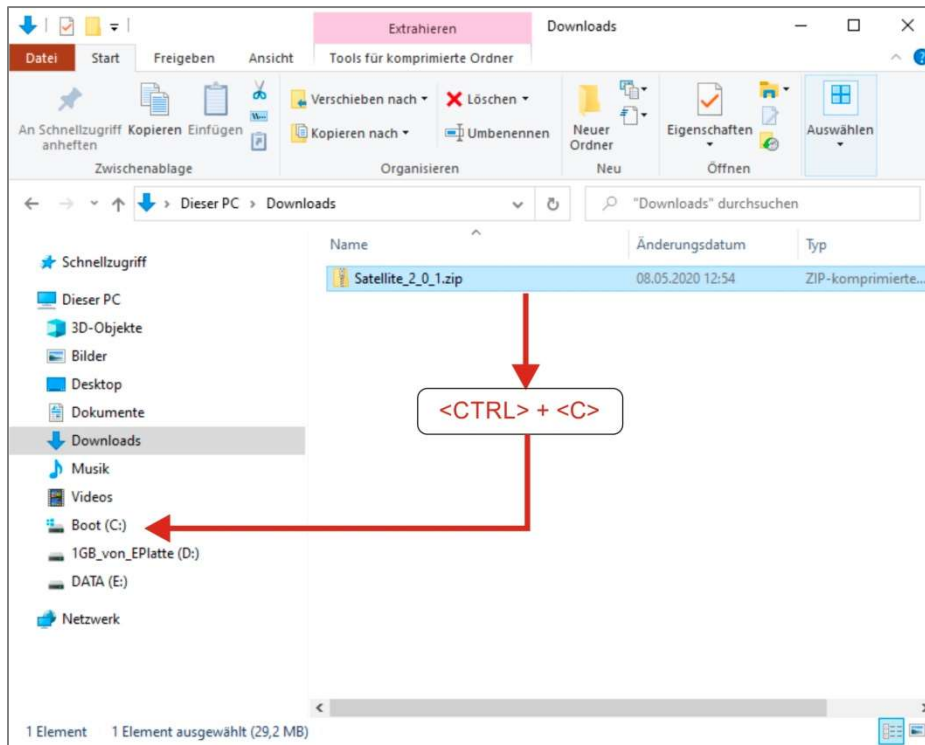
- Alternatively, you can use the keyboard shortcut **<CTRL> + <C>**:
 - Press and hold the **CTRL** key on your keyboard.
 - While holding **CTRL**, press the **C** key once.

This action copies the file to the clipboard. There will be no visible change—this is normal.

In Windows Explorer, locate the left-hand panel.

Click on Local Disk (C:), which is the primary storage drive in most cases (typically labeled C:).

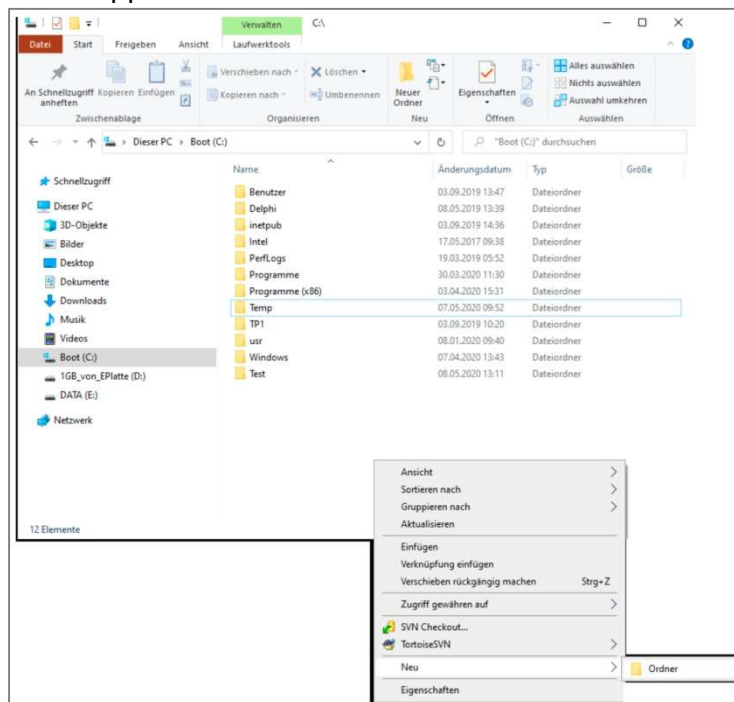
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Picture 4

Once you are inside Local Disk (C:), you will see several folders.

- Right-click on any empty space within the window.
- In the context menu, select [New] > [Folder].
- A new folder will appear—enter a name for it as needed.



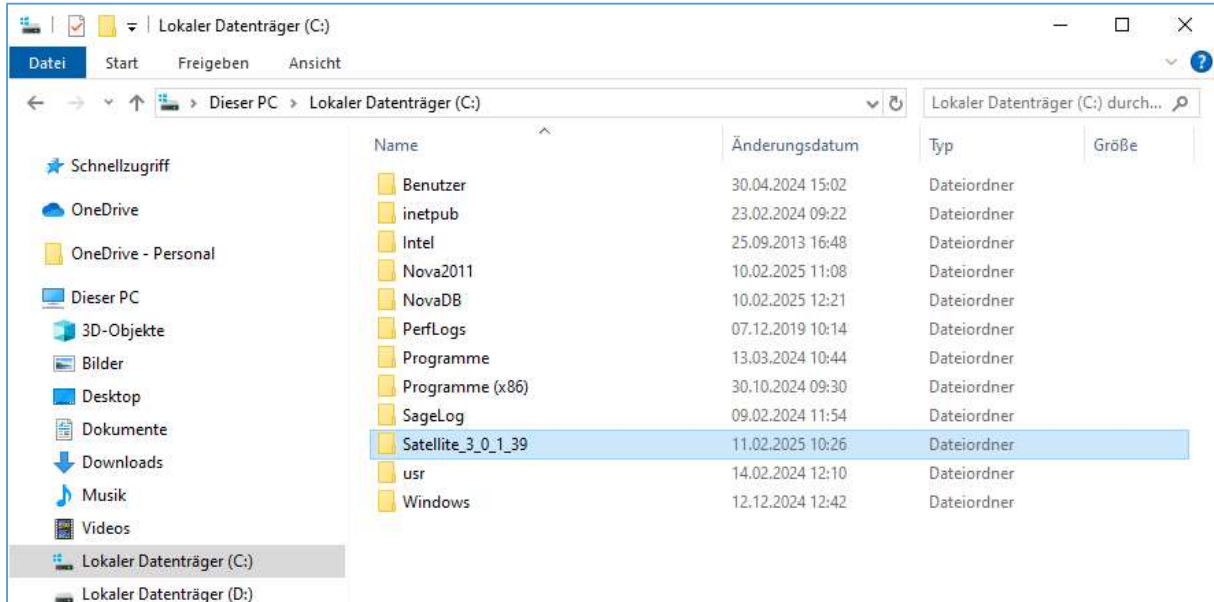
Picture 5

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Once the new folder is created, **type a clear and descriptive name.**

- Recommended name: "**NOVA Satellite 3.0.1**"

Press the **<ENTER>** key (also referred to as the **<RETURN>** key) to confirm the name.



Picture 6

Navigate to the newly created folder ("**NOVA Satellite 3.0.1**").

Open the folder by either:

- **Pressing** the **<ENTER>** key while the folder is selected, or
- **Double-clicking** on the folder name with the **left mouse button**

Inside the newly opened "NOVA Satellite 3.0.1" folder, right-click on an empty area.

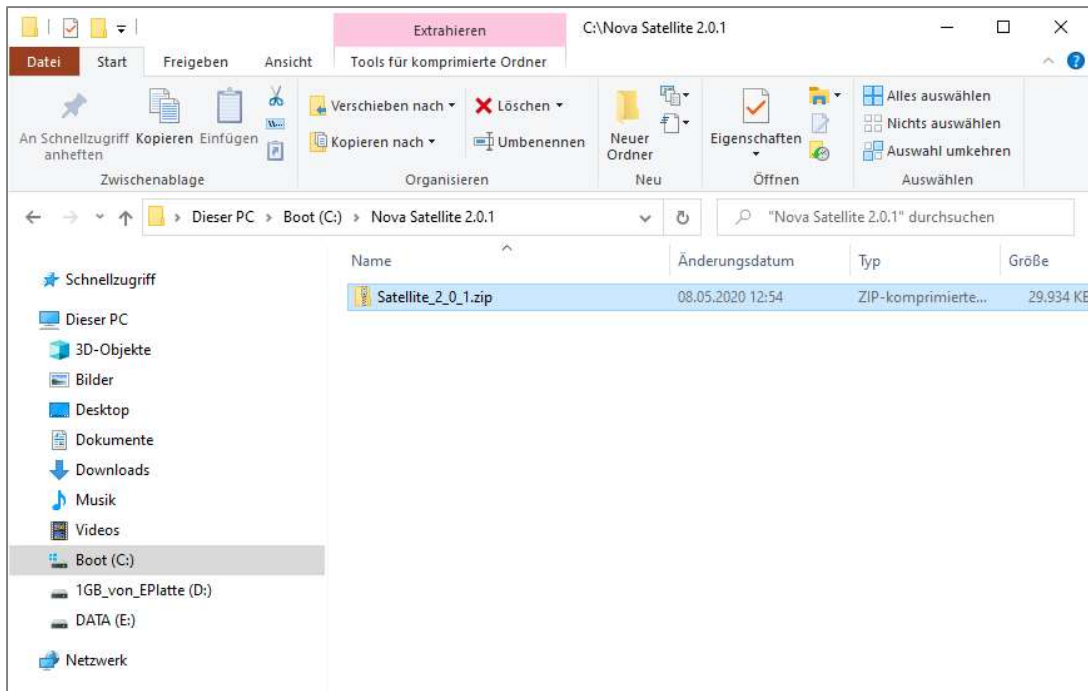
Select [Paste] from the context menu.

Alternatively, you can use the keyboard shortcut **<CTRL> + <V>**:

- Press and hold the CTRL key.
- While holding CTRL, press the V key once.

This will copy the previously selected file into the new folder.

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Picture 7

Extracting ZIP File

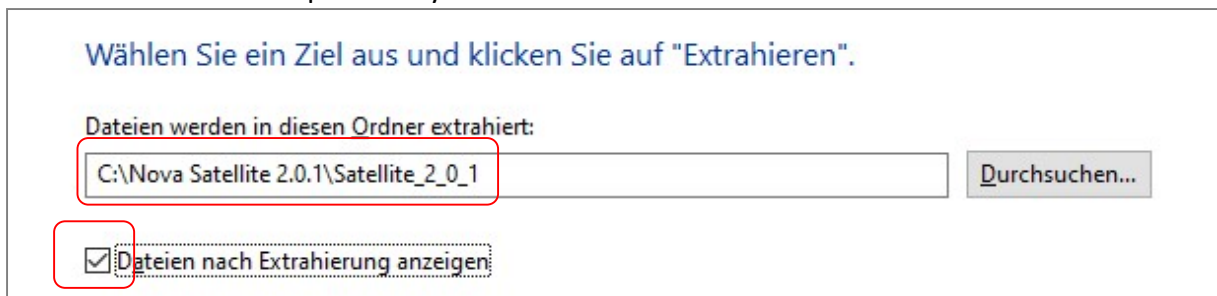
Please read the following instructions carefully.

Right-click on the ZIP file inside the "NOVA Satellite 3.0.1" folder.

Select [Extract All...] from the context menu.

A new window will appear with a single input field where you can specify the destination folder for the extracted files.

Proceed to the next step carefully.



Picture 8

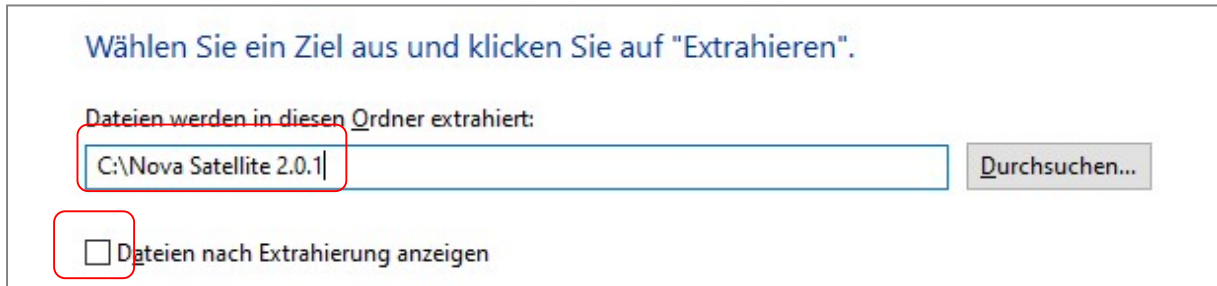
In the "Extract Files" window, locate the destination folder field.

Delete any unnecessary text so that only the name of the folder you created ("NOVA Satellite 3.0.1") remains as the extraction destination.

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Uncheck the option [✓] Show extracted files when complete to prevent the folder from opening automatically after extraction.

Once these settings are adjusted, proceed with the extraction.



Picture 9

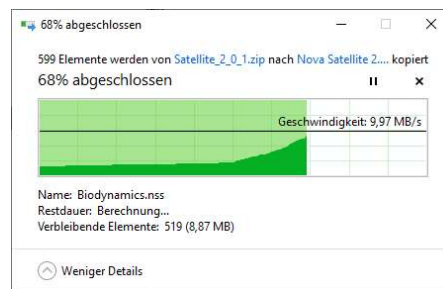


Picture 10

During the extraction process, a progress bar will appear, indicating the extraction status.

Once the process is complete, the window will close automatically.

At this point, the files are successfully extracted and ready for the next steps.



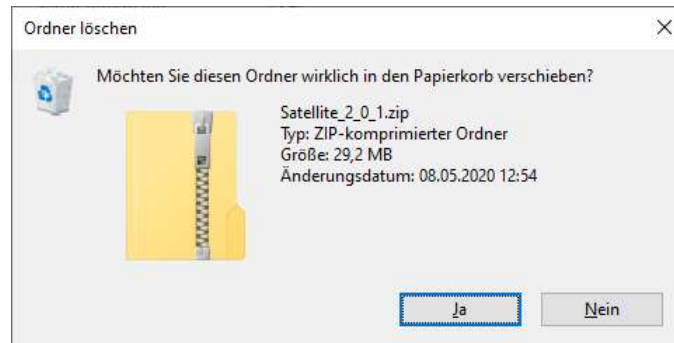
Picture 11

Since the ZIP file is still selected, you can delete it by either:

- Pressing the <DELETE> key on your keyboard, or
- Clicking [Delete] in the menu bar.

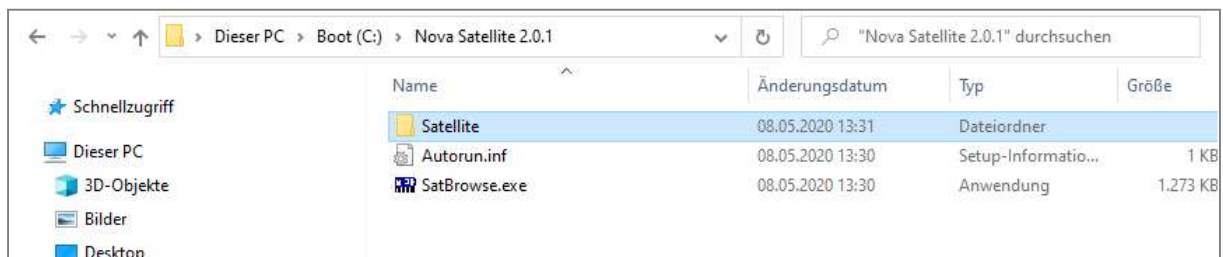
This removes the ZIP file, as it is no longer needed after extraction.

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Picture 12

A confirmation dialog will appear after attempting to delete the ZIP file. Click [YES] to confirm the deletion.



Picture 13

Double-click on the [Satellite] folder to open it.

Inside this folder, you will find:

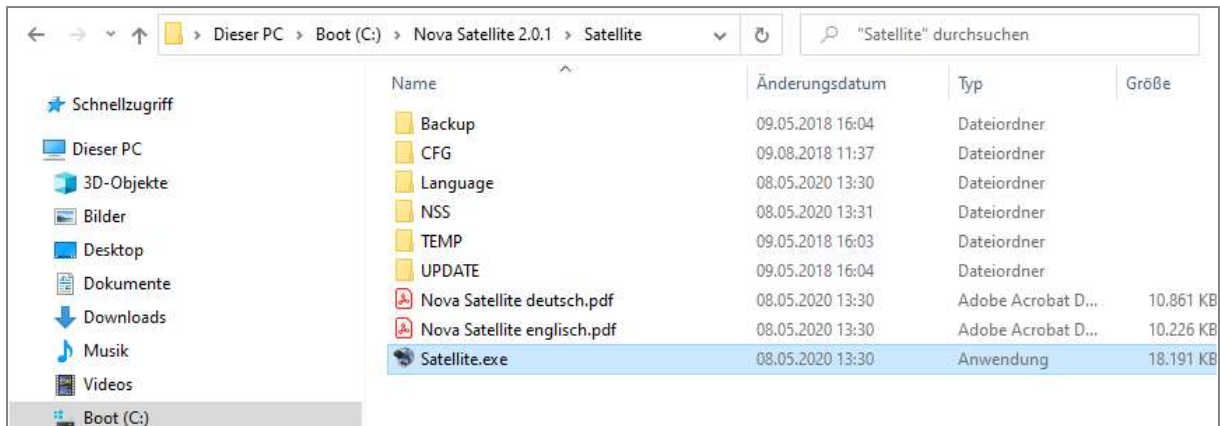
- The User Manual, which provides detailed instructions for using the NOVA®-Satellite software.
- The main program, required to operate the software.

To easily start the NOVA-Satellite® software from your desktop:

- Locate the file SATELLITE.exe in the [Satellite] folder.
- Right-click on SATELLITE.exe to open the context menu.
- Select [Send To] > [Desktop (Create Shortcut)].

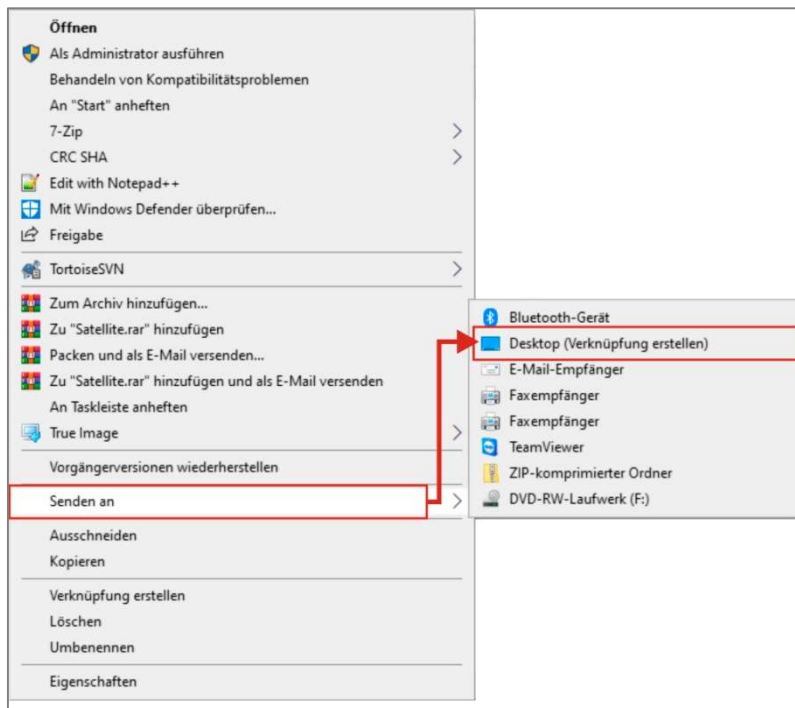
A shortcut will now be placed on your desktop, allowing you to start the NOVA-Satellite® software easily.

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Picture 14

Select [Send To] > [Desktop (Create Shortcut)].



Picture 15

Congratulations! The NOVA-Satellite® software is now successfully set up.

Ensuring Proper Permissions for NOVA-Satellite®

To ensure that NOVA-Satellite® functions correctly, you must have permission to save files for updating the MORA®-NOVA and creating backups from the MORA®-NOVA DBServer®.

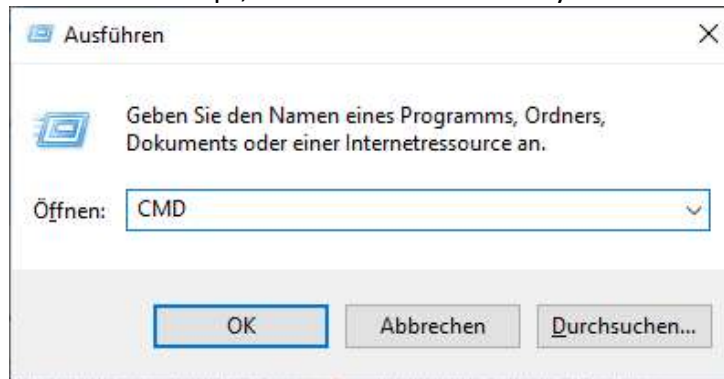
If your PC was preinstalled or configured by an administrator, you may not know your actual username. Follow these steps to retrieve it:

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Finding Your Username

1. Press the keyboard shortcut <CTRL> + <R> (Hold down CTRL, then press R once.)
2. A small window (Run dialog) will appear.
3. Type CMD into the empty field.
4. Press <ENTER> or click [OK].

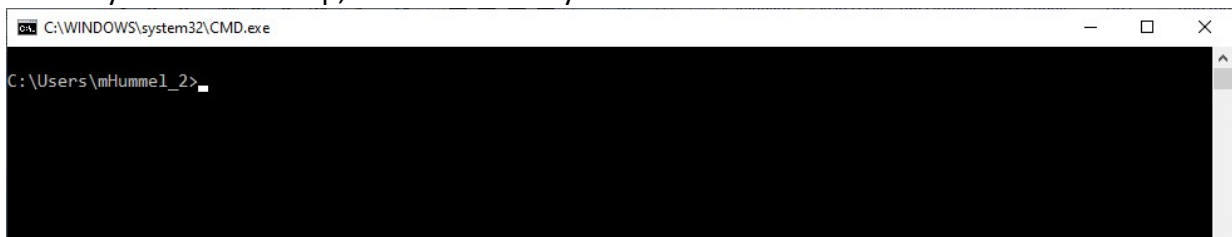
This will open the Command Prompt, where we will retrieve your username in the next step.



Picture 16

After executing the <CTRL> + <R> shortcut and entering CMD, a black window (Command Prompt) will open.

This window will display some path information, usually showing the current user's home directory. In the next step, we will retrieve your username from this window.



Picture 17

1. In the Command Prompt window, type the following command:

SET
2. Press the <ENTER> key.
3. A list of system variables will appear.
4. Look for the line starting with "USERNAME=", which is listed near the end due to alphabetical order.

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This will display the current username of your Windows account.

```
SystemDrive=C:
SystemRoot=C:\WINDOWS
TEMP=C:\Users\MHUMME~1\AppData\Local\Temp
TMP=C:\Users\MHUMME~1\AppData\Local\Temp
USERDOMAIN=MED00196
USERDOMAIN_ROAMINGPROFILE=MED00196
USERNAME=mHummel_2
USERPROFILE=C:\Users\mHummel_2
windir=C:\WINDOWS
C:\Users\mHummel_2>
```

Picture 18

Find the line starting with "USERNAME=" and note the name written after the equal sign. You can write it down or remember it for the next steps.

Tip for Windows 10 Users:

If you are using Windows 10, you can mark the username by clicking and dragging over it.

Once highlighted, press <ENTER> to copy it to the clipboard.

To close the Command Prompt window:

Type:

EXIT

Press <ENTER>, OR

Click the [X] button in the upper-right corner.

Setting User Rights for the Satellite Folder

Now that we have the necessary information, we will adjust the user rights for the Satellite folder.

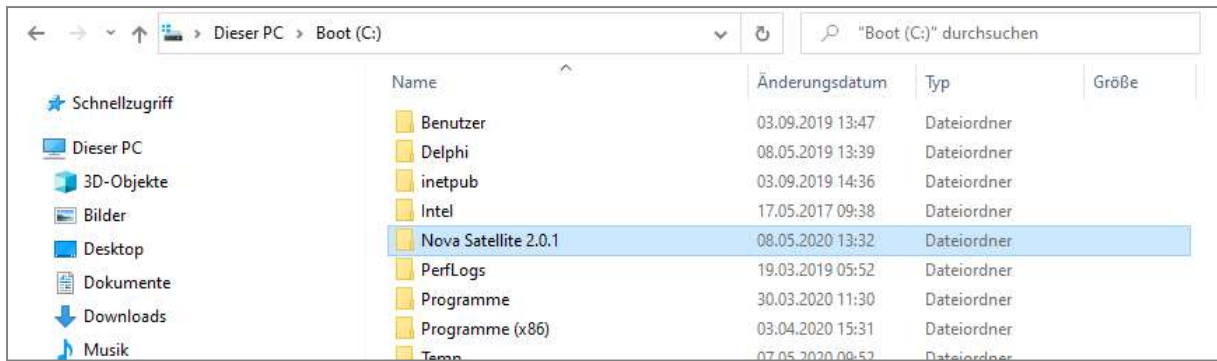
Step 1: Open Windows Explorer

- Click on the (still open) Windows Explorer window, or
- If it is closed, open it again using the keyboard shortcut <WINDOWS> + <E>.

Step 2: Access Folder Properties

- Navigate to Local Disk (C:) and locate the folder you previously created ("NOVA Satellite 3.0.1").
- Right-click on the folder name.

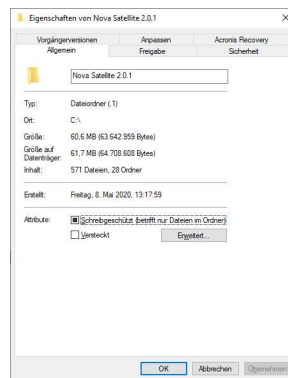
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Picture 19

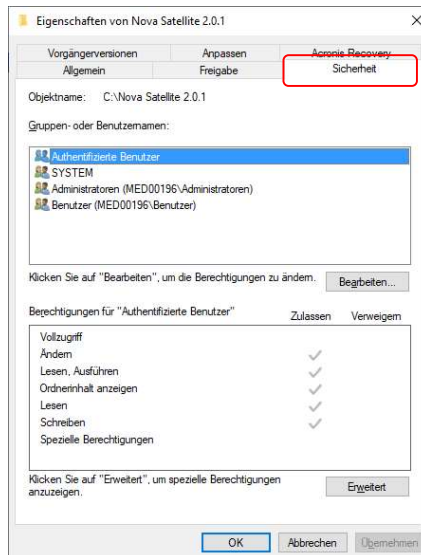
Select the last menu item: [Properties].

A small window will appear, displaying various settings for the folder.



Picture 20

In the Properties window, click on the [Security] tab.

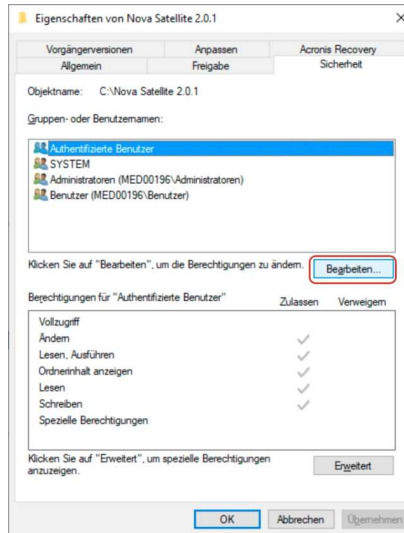


Picture 21

In the [Security] tab, locate and click the [Edit] (or [Modify]) button.

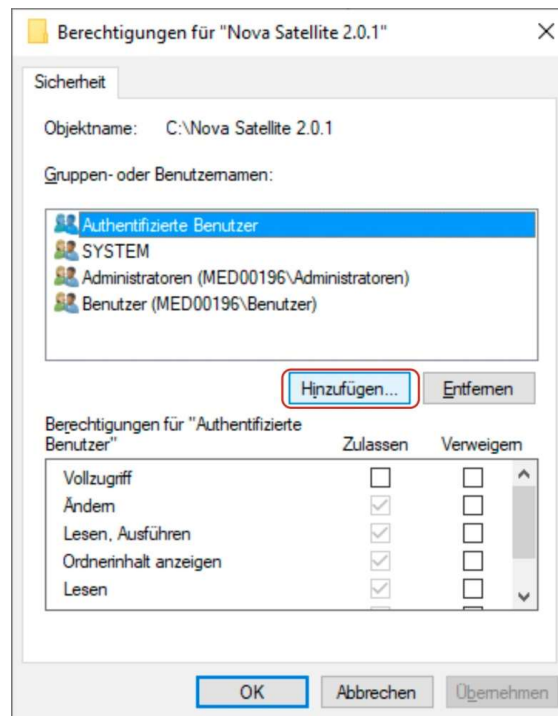
A new window will open, allowing you to adjust user permissions for the "NOVA Satellite 3.0.1" folder.

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Picture 22

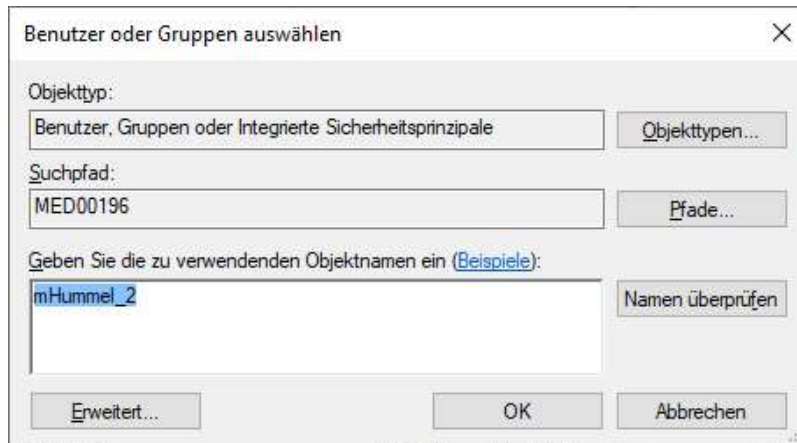
In the Permissions window that opened after clicking [Edit] or [Modify], click on the [Add] button.



Picture 23

In the "Select Users or Groups" window, locate the large empty field. Type the username you noted earlier (from the "USERNAME=" entry in the Command Prompt).

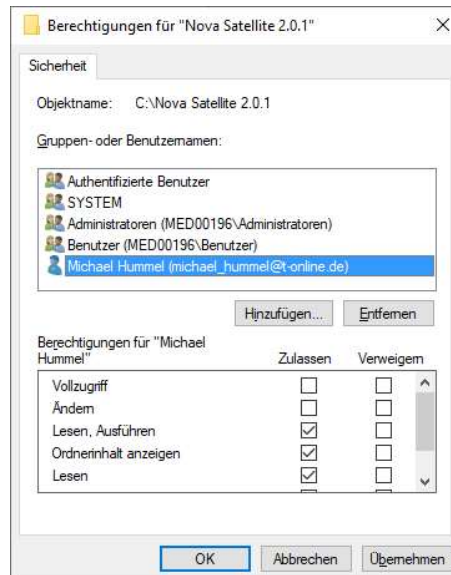
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Picture 24

After typing the username in the empty field, click [OK]. The window will close automatically.

Your username should now appear in the upper list of users with access to the folder.



Picture 25

In the upper list, select (highlight) your username that was just added.

In the lower list (Permissions for [Your Username]), check the first option:
[✓] Full Control (or Full Access).

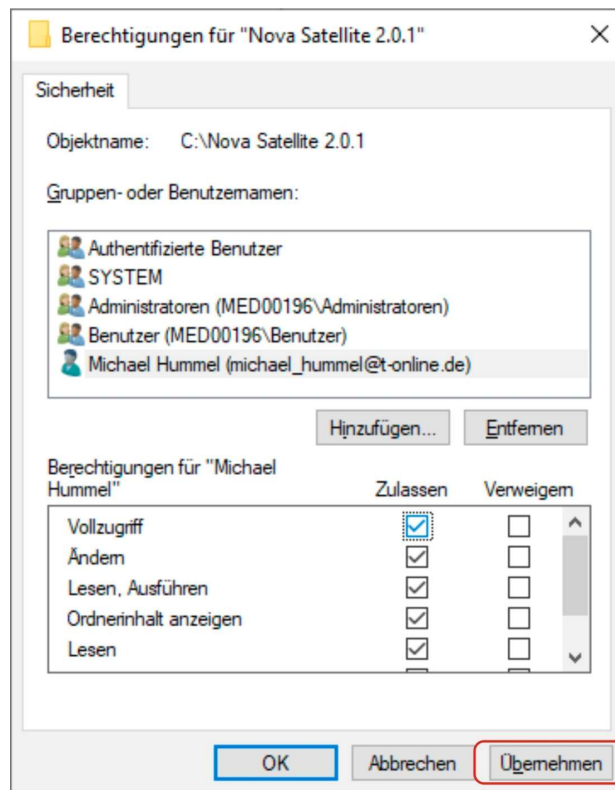
The second option (related to modifying permissions) will be automatically selected, as it is included in Full Control.

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Picture 26

Click the [Apply] button to save the new permissions.



Picture 27

Click [OK] in the current window.

If there are additional open windows, continue clicking [OK] until all windows are closed.

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Checking and Configuring the Network Environment

To ensure proper functionality, we need to verify and configure the network environment by switching it to a private network.

Why is this important?

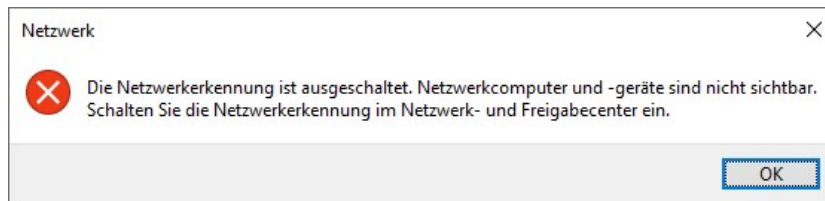
Some PCs are mistakenly configured as public networks (e.g., like in an Internet Café or a railway terminal). For security and functionality, we should switch to a private network to allow the PC to see devices within the local network.

Press <Windows> + <E> on your keyboard, OR Right-click the Windows [START] button and select [Explorer].

In Windows Explorer, scroll down to find the Network section (below the local device information).

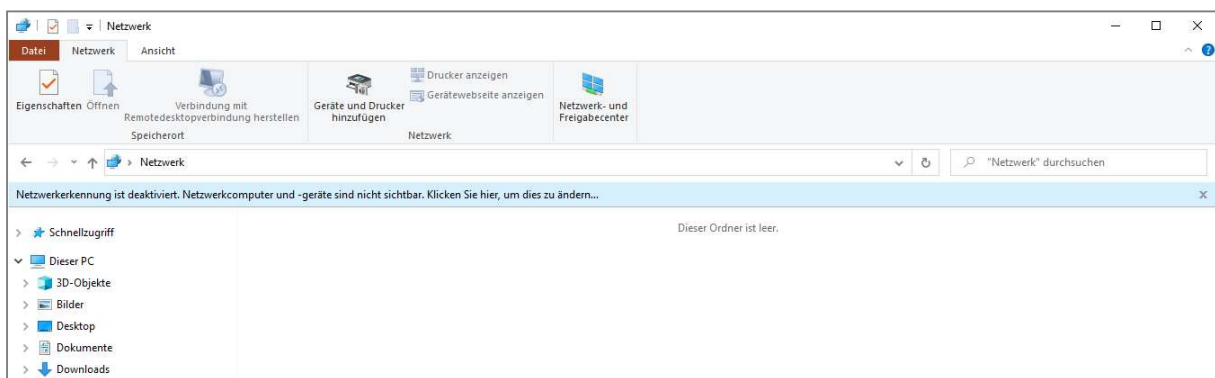
If the PC is not configured as a private network, you will see a message similar to:

"Network identification is switched off. Network computers and devices are not visible. Switch on Network identification in the Network and Security Center."



Picture 28

And a small bar will be displayed after o.k.



Picture 29

Click the message that appears.
Select the first option with the "Shield" symbol.

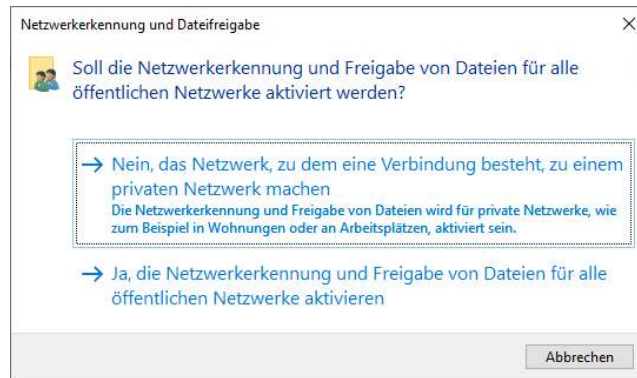
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Picture 30

When prompted, choose the option:

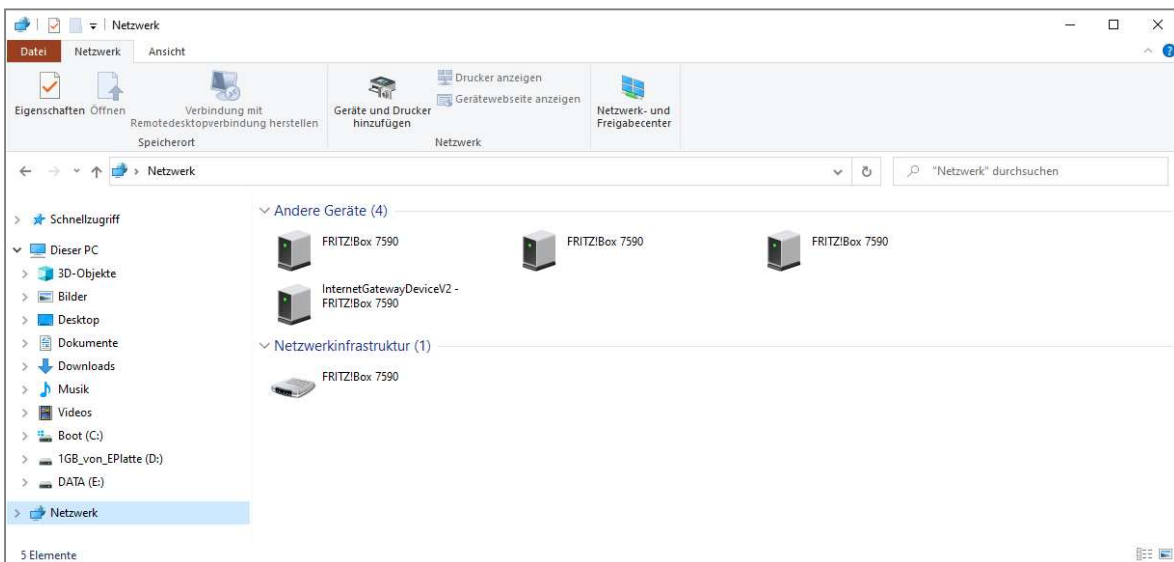
"No, make this network private."



Picture 31

After switching to a private network, your PC should now be able to detect other devices on the local network.

- Network hardware (e.g., Router)
- Other PCs connected to the network
- If MORA®-NOVA is switched on, you should also see the NOVA® device in the network list.



Picture 32

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Starting NOVA-Satellite® and Configuring the Firewall

Before using NOVA-Satellite®, it is important to configure your firewall correctly to allow communication with MORA®-NOVA.

Understanding Windows Security and Third-Party Antivirus Software

Your Windows system includes two main security components:

Antivirus Scanner – Built into every Windows version (e.g., Windows Defender).
 Firewall Software – Controls network traffic and prevents unauthorized access.

- Third-party security software (e.g., Norton Antivirus, AVAST, Kaspersky, Bitdefender, McAfee, F-Secure) often disable the built-in Windows security system and replace it with their own firewall rules.
- These programs may block the communication between NOVA®-Satellite and MORA®-NOVA unless properly configured.

Handling Firewall Warnings

The first time you start NOVA-Satellite®, some security software may display a popup message asking if you want to allow the connection.

Important: Always select [Permanent Allow] (or an equivalent option).

Special Case – Norton 365:

Norton 365 only allows the connection for a limited time (e.g., 60 seconds) by default. After this time, the firewall may block the connection again, causing confusion.

Recommendation:

If possible, remove additional third-party security software and rely on Windows Defender and the built-in firewall.

Keep your system updated via Windows Update for optimal security.

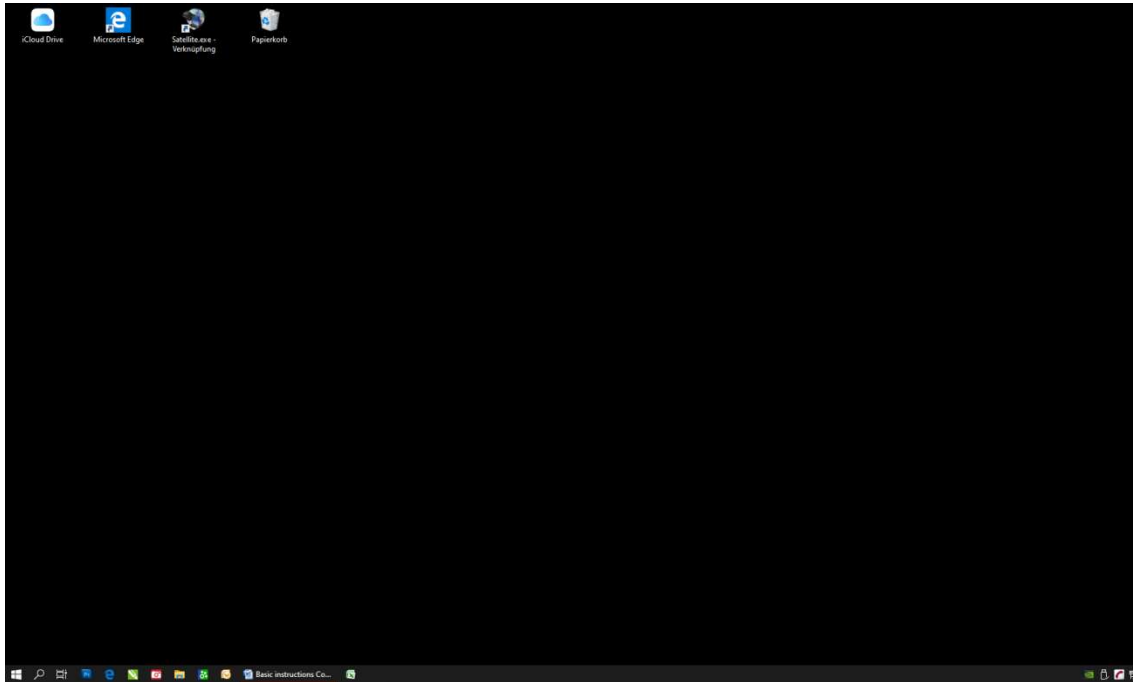
Avoid using the PC for online gaming, as some gaming software can alter firewall settings.

Starting NOVA-Satellite® and Monitoring the Firewall

- Locate the Satellite Software shortcut on your desktop.
- Double-click the icon to start the application.
- Pay attention to the Windows taskbar (menu bar) for any security prompts.
- If a firewall prompt appears, ensure that you select [Allow] or [Permanent Allow] to enable communication with MORA®-NOVA.

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After completing these steps, we will check if the connection works properly.



Picture 33

When you start NOVA-Satellite® for the first time, the software automatically attempts to create an exception rule in the Windows Firewall to allow communication with other devices on the network.

How the Firewall Exception Works:

The software provides the firewall with details about its communication protocol ("language") and a unique communication port ("telephone number").

This ensures that the PC and MORA®-NOVA can communicate without being blocked by Windows security settings.

Technical Details (For Reference Only – Not Needed for Normal Users)

- Protocol for communication: TCP
- Protocol for device discovery: UDP
- Port number: 1024

Why is this important?

- TCP (Transmission Control Protocol) is used for reliable data transmission between devices.
- UDP (User Datagram Protocol) is used for quickly finding devices in the network.
- Port 1024 is a unique identifier assigned to the software for communication.

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If you have maximum security settings enabled, Windows may prompt you to confirm the firewall exception:

- If a Windows Firewall prompt appears, select [Allow Access].
- If you are using third-party firewall software, you may need to manually allow communication.

After starting Satellite® this message may appear.



Picture 34

When starting NOVA-Satellite®, you might see a message saying:

"YOUR COMPUTER IS PROTECTED BY WINDOWS"

This happens because Microsoft does not recognize NOVA-Satellite®, so Windows Firewall automatically blocks it. But we know it's safe and need to manually allow it.



Picture 35

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Enable only the first option

This ensures that the software is allowed only in private networks (home, company, or hospital networks).

This keeps security tight while still allowing NOVA-Satellite® to function properly.

Click the shield button [Allow Access]

This finalizes the firewall exception and ensures smooth communication with MORA®-NOVA.

Installation & Configuration Complete!

NOVA-Satellite® is now fully set up and ready to use.

For further details on how to use the software, refer to the User Manual in:

C:\Satellite 3.0.1*

Michael Hummel
CTO
Med-Tronik GmbH

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