



User Manual

NumaView™ Remote Software

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Please read this user manual prior to operating the instrument.

INTRODUCTION AND PREREQUISITES

Teledyne API's NumaView™ Remote software enables remote operation and data capture of your Teledyne API instrument through a TCP/IP connection with your computer. This guide provides instructions for acquiring the interface software and setting it up to remotely operate one or more instruments from one or more computers. This requires the following:

- instrument connected via TCP/IP to computer on private network
- instrument's IP address
- NumaView™ Remote software

As an alternative, you can view the information provided in this manual in video format at:

<https://youtu.be/RGX6Wxmohjs>

DOWNLOADING & INSTALLING THE NUMAVIEW™ REMOTE SOFTWARE

NOTE: Downloading the NumaView™ Remote software requires Internet access. The remaining setup steps do not require an Internet connection.

Follow the steps below to download and install the NumaView Remote software.

1. Open a supported browser and navigate to the Teledyne API website at <https://www.teledyne-api.com>.
2. Select **Service & Support > Software and Firmware**.
3. Under NumaView Software, select **NumaView Remote Software Download**.
4. By default, a zip file downloads to the Downloads folder in your local drive. For assistance, contact Teledyne-API Technical Support.
5. Open the .zip file and double-click **setup.exe**.
6. Follow the installation prompts.

SETTING UP AN INSTRUMENT FOR REMOTE OPERATION

1. Start the NumaView Remote Application.

The application executable can be found either on the desktop, in the Start menu, or in the taskbar.

2. Select **File > Add New Instrument**.

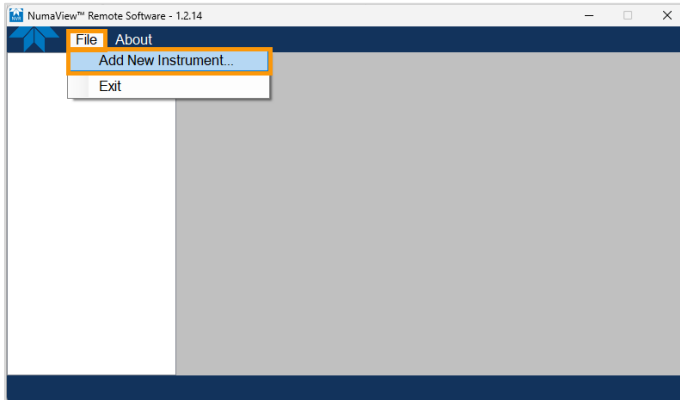


Figure 1: Add New Instrument

3. In the Instrument Info window, type a unique name for the instrument. It is a recommended best practice to include the S/N, for example N200SN70.

NOTE: The unique name is important for remotely operating multiple instances of the same model.

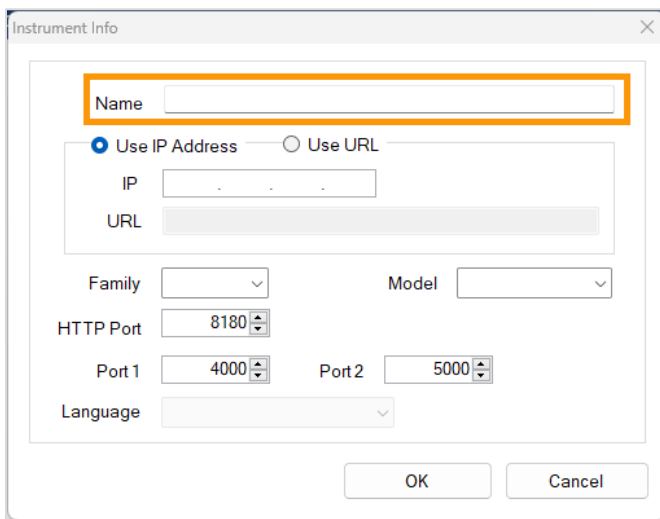
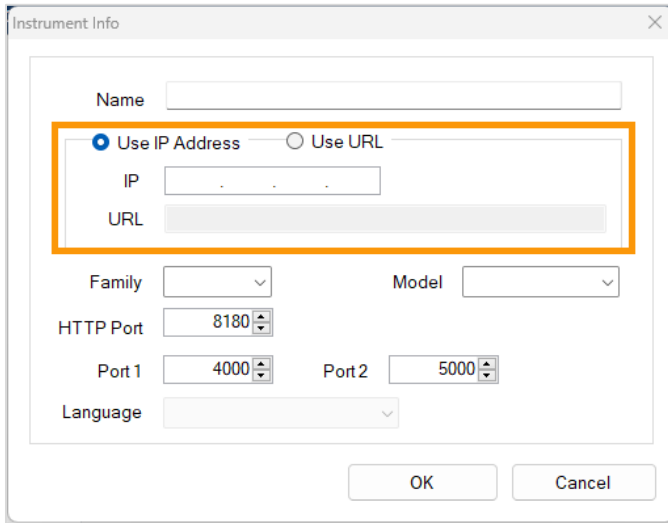


Figure 2: Unique Instrument Name

4. Select **Use IP Address** and then input the appropriate IP address.



The 'Instrument Info' dialog box contains the following fields and controls:

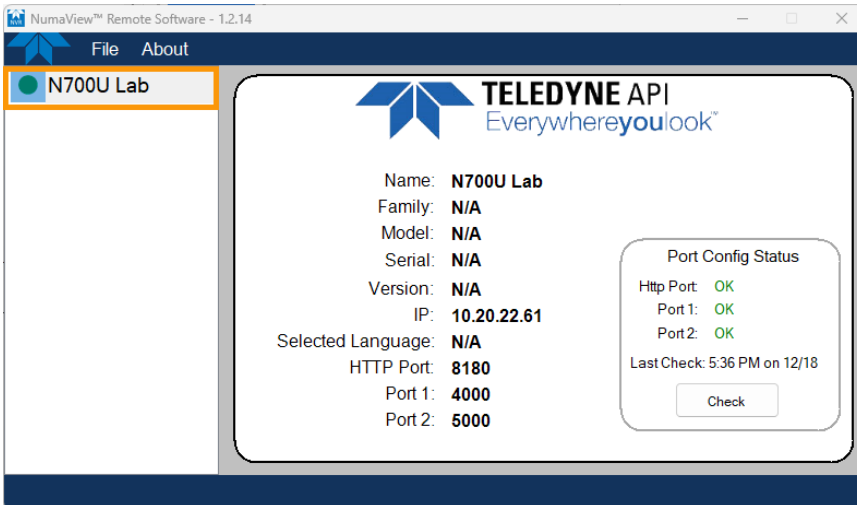
- Name:** A text input field.
- Connection Type:** Two radio buttons: **Use IP Address** (selected) and **Use URL**.
- IP:** A text input field with a dotted placeholder (e.g., . . .).
- URL:** A disabled text input field.
- Family:** A dropdown menu.
- Model:** A dropdown menu.
- HTTP Port:** A spinner box set to 8180.
- Port 1:** A spinner box set to 4000.
- Port 2:** A spinner box set to 5000.
- Language:** A dropdown menu.
- Buttons:** **OK** and **Cancel** at the bottom right.

Figure 3: Use IP Address

The Family and Model numbers auto-populate when the instrument connects to the NumaView Remote software.

5. Click **OK**.

The instrument appears in the application.



The main window of NumaView Remote Software (version 1.2.14) displays the following information:

- Left Panel:** A tree view showing 'N700U Lab' selected.
- Right Panel:**
 - TELEDYNE API** logo and tagline 'Everywhere you look™'.
 - Instrument Details:**
 - Name: **N700U Lab**
 - Family: **N/A**
 - Model: **N/A**
 - Serial: **N/A**
 - Version: **N/A**
 - IP: **10.20.22.61**
 - Selected Language: **N/A**
 - HTTP Port: **8180**
 - Port 1: **4000**
 - Port 2: **5000**
 - Port Config Status:**
 - Http Port: **OK**
 - Port 1: **OK**
 - Port 2: **OK**
 - Last Check: 5:36 PM on 12/18
 - Check** button

Figure 4: Instrument in NumaView Remote Software

NOTE: Valid settings appear as **OK** under Port Config Status while invalid settings appear as **Not Available**.

STARTING REMOTE OPERATION

Right-click the instrument added to NumaView™ Remote Software and then select **Launch**.

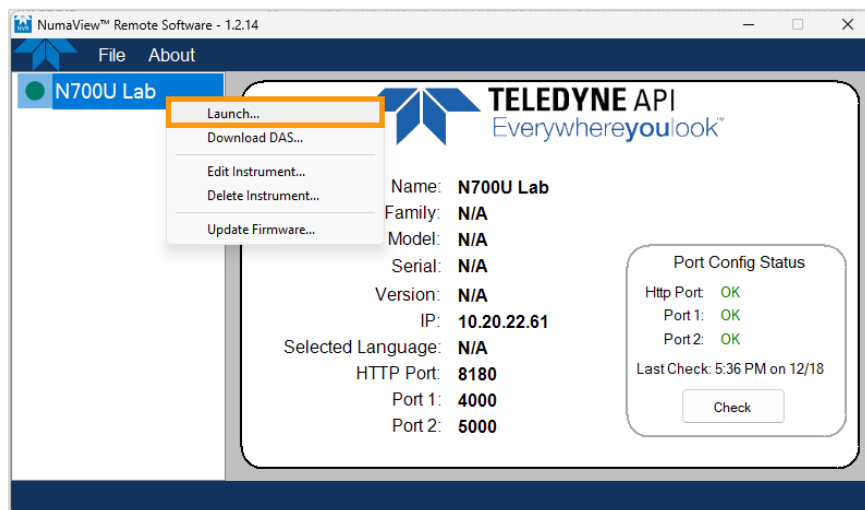


Figure 5: Launch Instrument

A status bar appears as the instrument interface loads.

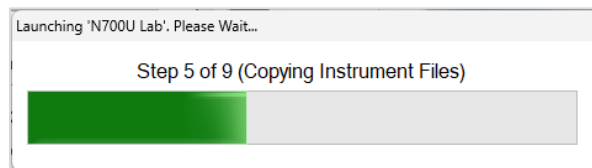


Figure 6: Status Bar

A successful launch displays the operational interface for the selected instrument, as shown below.

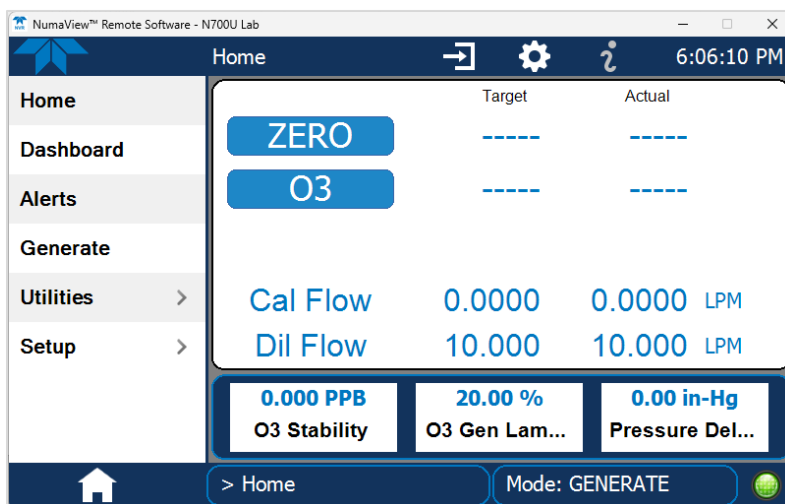


Figure 7: NumaView Remote Software Interface

Use a computer mouse to “touch” the virtual NumaView™ software interface for setting up and operating the instrument according to its respective user manual. Use the instrument’s internal data acquisition system (DAS) to collect and analyze data by configuring Datalogs through the **Setup > Data Logging** menu.

DOWNLOADING DATALOG

Follow the steps below to remotely download the datalog captured by the instrument’s DAS.

1. Right-click the instrument name in the NumaView™ Remote software interface and select **Download DAS**.

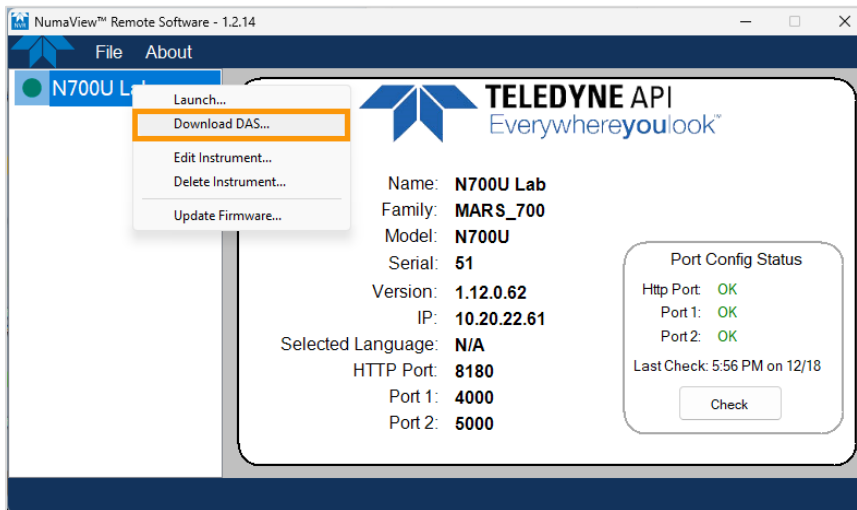


Figure 8: Download DAS

2. Select a period range by selecting a day, month and year from the dropdown calendar in the Start Date and End Date fields (or click within each division (month/day/year) and type the values).

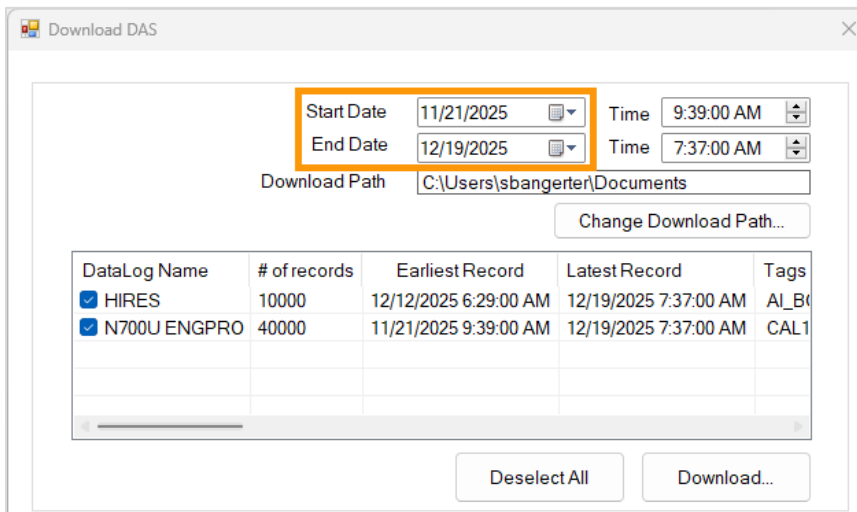


Figure 9: Date Range

3. Provide a beginning time for the Start Date and an ending time for the End Date by clicking within each division (hour, minutes, and seconds and AM or PM) of the corresponding Time field and either type the numeric value or click the increment/decrement buttons.

Download DAS

Start Date: 11/21/2025 Time: 9:39:00 AM

End Date: 12/19/2025 Time: 7:37:00 AM

Download Path: C:\Users\sbangerten\Documents

Change Download Path...

DataLog Name	# of records	Earliest Record	Latest Record	Tags
☒ HIRES	10000	12/12/2025 6:29:00 AM	12/19/2025 7:37:00 AM	AI_B0
☒ N700U ENGPRO	40000	11/21/2025 9:39:00 AM	12/19/2025 7:37:00 AM	CAL1

Deselect All Download... Close

Figure 10: Time Range

4. If the default Download Path needs to be modified, select **Change Download Path** and select a different folder. Otherwise, go to the next step.

Download DAS

Start Date: 11/21/2025 Time: 9:39:00 AM

End Date: 12/19/2025 Time: 7:37:00 AM

Download Path: C:\Users\sbangerten\Documents

Change Download Path...

DataLog Name	# of records	Earliest Record	Latest Record	Tags
☒ HIRES	10000	12/12/2025 6:29:00 AM	12/19/2025 7:37:00 AM	AI_B0
☒ N700U ENGPRO	40000	11/21/2025 9:39:00 AM	12/19/2025 7:37:00 AM	CAL1

Deselect All Download... Close

Figure 11: Change Download Path

5. Select the datalogs you would like to download.
By default, all datalogs are selected.

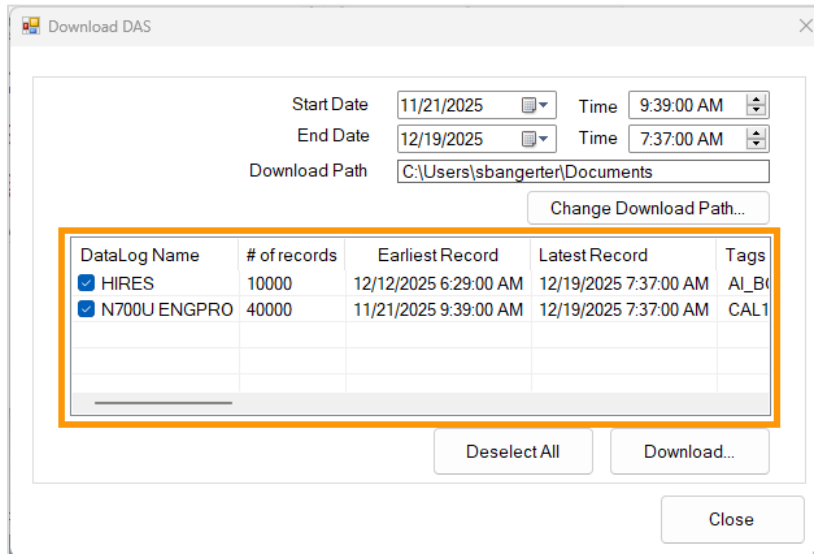


Figure 12: Datalogs

6. Select **Download**.

When the download finishes, the Success window displays a confirmation message showing the location of the downloaded files.

UPDATING SOFTWARE/FIRMWARE

Follow the steps below to update the firmware for a designated instrument.

1. Launch the target instrument in the NumaView Remote Software.

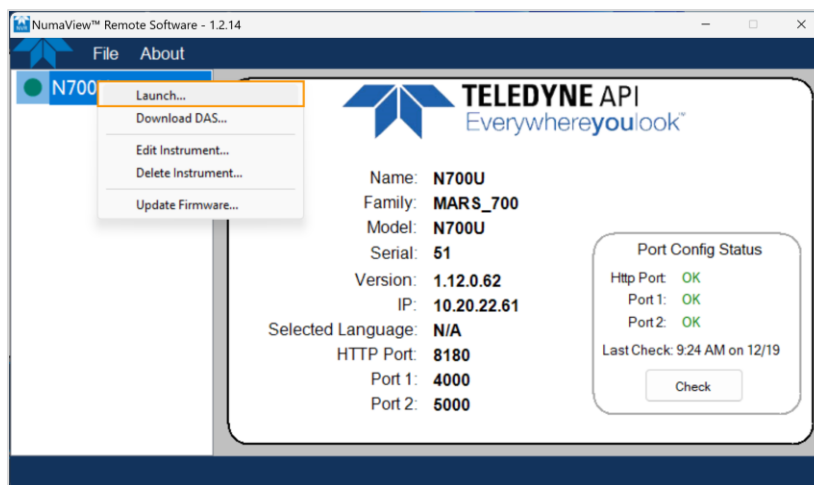


Figure 13: Launch NumaView Remote Software

2. From the Home screen, navigate to **Setup > Instrument > Product Info**.

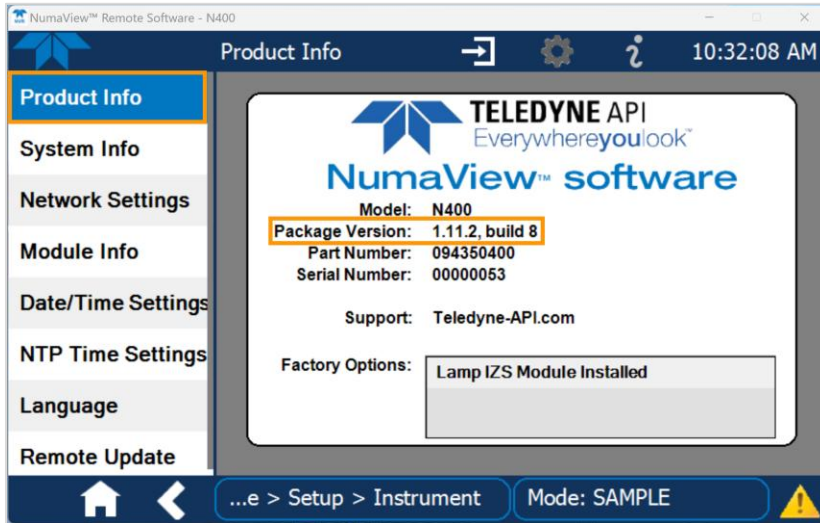


Figure 14: Product Info

NOTE: Jot down the Windows Package Version as you will need it in future steps.

3. Select **System Info** from the menu.

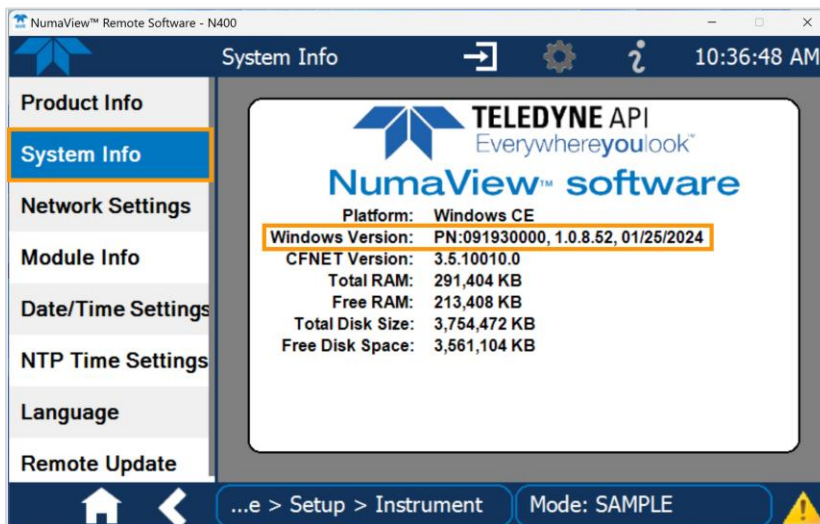


Figure 15: System Info

NOTE: Jot down the Windows version number as you will need it in future steps.

4. Open your preferred browser to <https://www.teledyne-api.com> and select **Service & Support > Software and Firmware**.

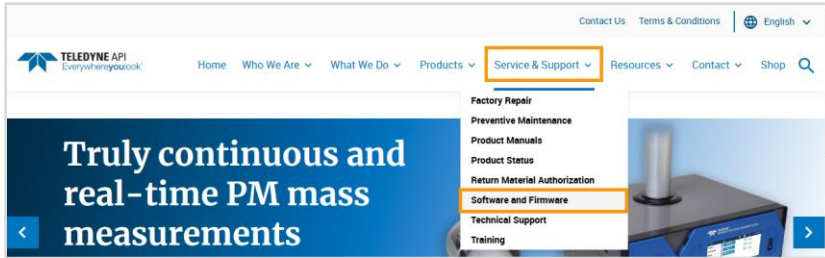


Figure 16: Software and Firmware

- When the NumaView Software Upgrade Tool appears, enter the instrument Model, Windows Version, and Package Version in the designated fields.

NumaView Software

NumaView™ Software Upgrade Tool

Fill in instrument information below, click the Check button to find upgrades. If an upgrade is found, download the firmware update file via a "Download Link" below. This update file may be placed on a USB "Thumb Drive" and installed in the instrument via the Utilities-USB Utilities-General menu.

Please enter the full X.X.X.X revision for the Package Version and Windows Version. The Package Version can be found on the Setup-Instrument-Product Info screen. The Windows Version is available on the Setup-Instrument-System Info screen. Please enter the Build number as the final digit in the version. For example, version 1.1.2 Build 120 should be entered as 1.1.2.120.

Model	Windows Version	Package Version	
TXXX	X.X.X.X	X.X.X.X	Check

Figure 17: NumaView Software Upgrade Tool

- Select **Check**.

The response restates the Model name and shows whether an upgrade is available. If "No" or "N/A" appears, exit the browser and instead operate the instrument via the remote interface.

NumaView™ Software Upgrade Tool

Fill in instrument information below, click the Check button to find upgrades. If an upgrade is found, download the firmware update file via a "Download Link" below. This update file may be placed on a USB "Thumb Drive" and installed in the instrument via the Utilities-USB Utilities-General menu.

Please enter the full X.X.X.X revision for the Package Version and Windows Version. The Package Version can be found on the Setup-Instrument-Product Info screen. The Windows Version is available on the Setup-Instrument-System Info screen. Please enter the Build number as the final digit in the version. For example, version 1.1.2 Build 120 should be entered as 1.1.2.120.

Model	Windows Version	Package Version	
N400U	1.0.8.52	1.11.2.8	Check

Model: N400U
 Upgrade Needed: N/A
 Upgrade Type: N/A
 No Download Found.
 Comments: Please see error message below
 Errors: The following parameters are invalid: model

Figure 18: NumaView Software Upgrade Check

- If a download is available, select **Download Link**.

By default, the update is saved to the Downloads folder in Windows unless you select a different location.

8. When the file finishes downloading, return to the NumaView Remote Software.
9. Right-click the instrument in the menu and select **Update Firmware**.

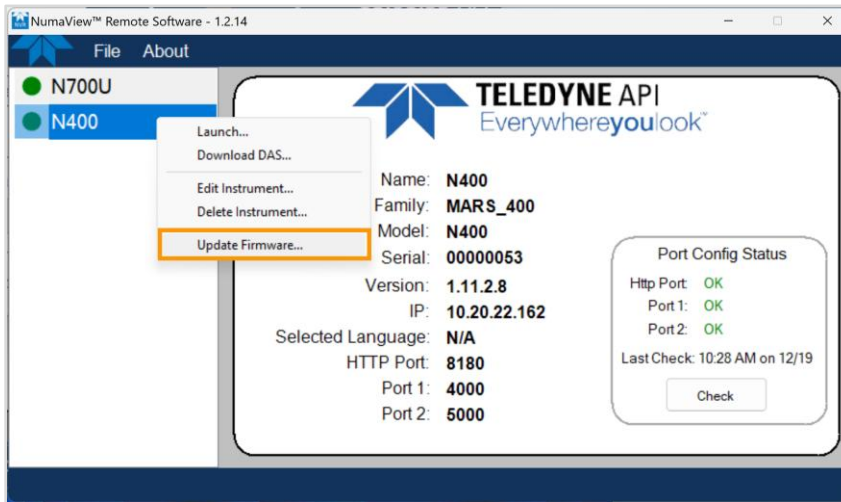


Figure 19: Update Firmware

10. Press **Select** and then navigate to the location where the firmware update file (.tapi) is located.

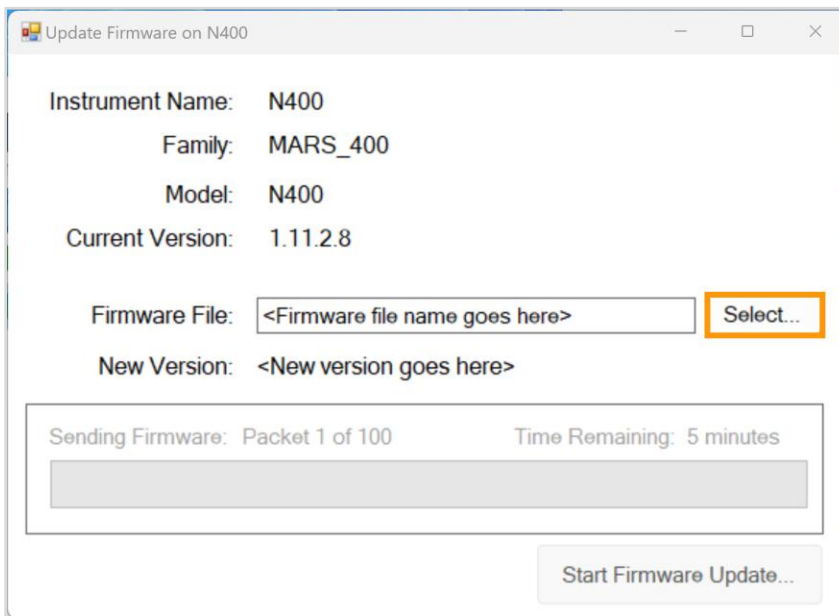


Figure 20: Select Firmware

11. After selecting the firmware update file, select **Start Firmware Update**.

A status bar appears with information showing where the update is in the installation process, with another button below to cancel the update if needed.

12. Follow the instructions to close the firmware update dialog and all launched instances of this instrument in the NumaView™ Remote.
13. Relaunch after the firmware update completes.