Leader

20260410
Manual v3
Software v1.3.0

NDI® Checker

FS3580

Instruction Manual

Thank you for your purchase.
Please read this instruction manual carefully and use the product safely.

Table of Contents

1 INTRODUCTION

Thank you for choosing Leader Electronics product. To use the product safely, please read this instruction manual thoroughly before use and make sure you understand how to use the product correctly.

If you are unsure how to use the product after reading this instruction manual, please contact our head office or your nearest sales office, which are listed on the back cover of the instruction manual.

1.1 Trademarks

NDI® is a registered trademark of Vizrt NDI AB.
All other company names and product names mentioned in this document are trademarks or registered trademarks of their respective owners.

2 SPECIFICATION

2.1 Overview

This product is Windows-based software designed for measuring and monitoring the NDI video transmission protocol. It allows users to verify NDI-compatible products and systems, monitor NDI signals during live production, and record events for later analysis.

2.2 Features

Monitoring NDI Sources in Your Network

Monitors all NDI sources on the network and displays them in a list format. This feature allows you to easily detect unintended or unknown NDI senders on the network.

Video Format Display

When transmitting and receiving signals via NDI, video, audio, metadata, and tally information are combined into units called "frames." NDI Checker extracts and displays the video format from each frame, making it possible to detect unexpected format settings.

Display of Number of Video Frames Received

Displays the number of video frames received per second. This helps detect frame drops that are not easily visible to the naked eye.

Display Bitrate

Displays the actual measured bitrate used by NDI, rather than a theoretical value.

Event Log

Logs events that occur during monitoring, allowing users to retrospectively check status changes. The log can be exported in CSV format, enabling off-site engineers to review system activity.

Connectivity Check

This feature allows you to check the connection status between the switch, NDI Sender, and the PC running the NDI checker, and can be used to isolate the cause of an NDI source not being detected.

2.3 Specifications

2.3.1 Operating Environment

Operating System (Recommended)	Windows 11 64bit version (Version 24H2 or later)
Storage Space Available (Recommended)	80 GB or more
CPU (Recommended)	Intel Core (TM) i5-1135G7 equivalent or higher
RAM (Recommended)	16 GB or more
Display Resolution (Recommended)	1920 x 1080
Browser (Recommended)	Google Chrome (Version 143.0.7499.41 or later)
	Microsoft Edge (Version 143.0.3650.80 or later)
Network Card (Recommended)	With a bandwidth of 1 Gbps or higher
Internal IP address used	172.17.0.0/16 (*1)
Ports Used	TCP 1337, TCP 8080 (*2)
Windows Features Required	Windows Subsystem for Linux (*3)

*1 NDI signals using the specified IP address or a subnet setting of /16 or smaller cannot be received.
*2 This software cannot be used in environments where the listed ports are already in use.
*3 This software can only be used with the Windows user account under which it was installed. It cannot be launched by other users on the same PC.

2.3.2 NDI Specifications

NDI Type	HB (High Bandwidth), NDI HX
NDI Version	NDI 4, 5, 6, NDI HX 2, 3
HX Codec	H.264 (H.265 is not supported)
IP Protocol	IPv4 Unicast (UDP, TCP, RUDP), Multicast
	(IPv6 is not supported)
NDI Group	supported
NDI Find	mDNS, Discovery Server, Static

* NDI Tools Access is not supported. NDI settings in NDI Checker must be configured via the product settings screen.

2.3.3 Measurement Supported Video Formats

The following formats are supported for measurement.

Supported Resolution	3840 x 2160 or less
Supported Frame Frequency	1Hz-60Hz

2.3.4 Picture Display Supported Video Formats

"Measurement Supported Video Formats" the formats listed below also support picture display. Pictures cannot be displayed for formats other than UYVY, but measurements other than picture are possible. Picture display does not support alpha channels or HDR.

Color System	Quantization Precision	Pixel Storage Method	FourCC	Image	Frame (field) Frequency
YCbCr 4:2:2	8bit	Packed	UYVY	3840 x 2160	60/59.94/50 / 30/29.97/25 /P
				1920 x 1080	60/59.94/50/30/29.97/25 /P 60/59.94/50 /I

2.3.5 NDI Source List

Displays all NDI sources available on the network in a list format. Clicking a source name begins receiving and measuring that signal.

2.3.6 Picture Display

Displays a simplified preview of the signal selected from the NDI source list, as supported by the "Picture Display Supported Video Formats."
This feature is intended for source confirmation prior to measurement.
The preview is downscaled and compressed in both resolution and frame rate, and is therefore not suitable for evaluating video quality.

2.3.7 NDI Video Frame Information

Displays detailed video format information extracted from the NDI video frames of the selected signal, along with interpretation for each item.
The following elements are included:

- Resolution
- Framerate (Numerator / Denominator)
- FourCC
- Frame Format Type
- Aspect Ratio

2.3.8 Measured Information

Displays various measurement information for the selected NDI signal.
The following information is provided:

Status	Shows the current status of the signal.
No Video Stream	NDI video frames are being received.
Detected	NDI signal has been detected.
Picture is not implemented for this FourCC	The received FourCC format does not support picture display.
Frame drop detected: {number of drops}	Indicates the number of dropped frames. This value is calculated when the Received Frames Per Second is lower than the expected frame rate and not compensated in the following second.
Received Frames Per Second	Displays the number of video frames received in the last second. As NDI processes frames individually, this is an integer and may differ from the nominal frame rate.
Bitrate	Displays the actual bitrate used during reception. This includes not only video but also audio, metadata, and control data.

Transport Protocol Type	Determines whether NDI is being transmitted via Unicast or Multicast. In environments where IGMP Snooping is disabled, even if NDI Checker receives the stream via Unicast, multicast NDI traffic may also be delivered to NDI Checker when another receiver receives it via Multicast, which may result in the stream being identified as Multicast.

2.3.9 Event Log

This function logs events that occur on the NDI signals being received and measured.
The following event types may appear:

Detected: {Format}	An NDI signal in the specified format has been detected.
No Video Stream	The NDI signal is no longer being received.
Frame Drop Detected: {number of drops}	Frame drops have been detected. The method of calculation is the same as described in the "Measured Information" section.
Source Select Updated Device: "{Device name}", Source: "{Source name}"	The current NDI source has been changed to the specified source on the specified device.
New Source was added. Device: {Device name}, Source: {Source name}	A new NDI Sender has been discovered on the network.
Source was removed. Device: {device name}, Source: {source name}	An NDI Sender has disappeared from the network.
Event log cleared.	The event log has been cleared.

A maximum of 5,000 recent events are displayed on the measurement screen. Older events beyond this limit are stored internally but not shown. The total number of stored and displayed events combined is limited to 100,000. When the number exceeds 100,000 entries, older entries are deleted first.

To export the event log, click the Download button. This will save all logs, including internally stored ones, in CSV format on your PC. To delete the logs, click the Clear button. This will erase all displayed and stored event logs from the product.

2.3.10 Connectivity Check

This function performs NDI network diagnostics to help isolate the cause of NDI connection problems. It allows you to check the connection and configuration status between the PC, Switch, and Sender if the expected NDI Sender does not appear in the NDI source list, or if signal reception and measurement cannot be started properly.
Connectivity Check checks the communication path based on the entered information, allowing you to pinpoint where the problem lies. Furthermore, if you are using a NETGEAR ProAV switch, it also supports more detailed checks using the switch API.

Input Information	For the Connectivity Check, please enter the following information:
ProAV Switch Information	Enter the IP address of the switch you wish to connect to.
Are any of the below NETGEAR ProAV switches in use?	Check this box if the switch you are using is a compatible NETGEAR ProAV Switch. The compatible series are as follows: ・M4250 ・M4300 ・M4230 ・M4500 Items displayed in the measurement results when in use ・Completed at ・Network Segment Verification ・Switch Login Verification ・Switch Configuration Check ・Switch to Sender Connectivity ・PC to Sender Connectivity Items displayed in the measurement results when not in use ・Completed at ・Network Segment Verification ・PC to Switch Connectivity ・PC to Sender Connectivity
NDI Sender Device Information	Enter the IP address of the NDI Sender to be checked.
NDI Discovery Mode	Specify the NDI Discovery method. Currently, the following is supported: ・mDNS
NETGEAR Login Information	If using a NETGEAR ProAV Switch, enter the Login Name and Password for logging into the Switch.
Measurement Results Display	After the Connectivity Check is completed, the verification results will be displayed. The results are displayed item by item, allowing you to check the connectivity and configuration status of each section. Clicking the "Copy Log to clipboard" button will copy the Connectivity Check measurement results to the

	clipboard. The copied content can be used as a log for analysis or inquiries. It can also be pasted into the AI assistant for analysis.
Completed at	Displays the completion time of the Connectivity Check.
Network Segment Verification	Checks the relationship between the IP addresses and subnets of the PC, Switch, and Sender to confirm they are on the same network segment.
Switch Login Verification	Checks whether login to the Switch is possible using the entered Login Name and Password.
Switch Configuration Check	Check: Checks the configuration status of the Switch. If using a compatible NETGEAR ProAV Switch, it checks the profiles and settings related to NDI transmission.
Switch to Sender Connectivity	Checks the connectivity status from the Switch to the Sender. Ping and Traceroute results are displayed as needed.
PC to Switch Connectivity	Checks the connectivity status from the PC to the Switch. Ping and Traceroute results are displayed as needed.
PC to Sender Connectivity	Checks the connectivity status from the PC to the Sender. Ping and Traceroute results are displayed as needed.

2.3.11 License

License Types

Licenses are available in 1-year and 3-year terms. Both are perpetual licenses and are not automatically renewed. If you wish to continue using the software after the license period expires, please purchase a new license.

For details on the operating modes, refer to “3.1 Operating Modes of NDI Checker.”

Purchased License Type	Free/Paid	Operating Mode	Available Features	Usage Period
Unpurchased	Free	Trial Mode	Limited	Unlimited
1-Year License	Paid	Licensed Mode	All	1 year
3-Year License				3 years

License Purchase and Activation

For details on purchasing and activation, refer to “3.6 License Activation.”

Notes on Using the Software Offline

Even within the valid license period, the license must be reactivated once every 30 days.
When an internet connection is available, reactivation is performed automatically once per day.
If the license cannot be reactivated for 30 days in an offline environment, the license will become invalid.
Even if the license becomes invalid, it can be restored to a valid state by reconnecting to the internet and reactivating the license again.

3 STEPS TO START USING THE SERVICE

3.1 Operating Modes of NDI Checker

NDI Checker has two operating modes: **Trial Mode** and **Licensed Mode**. At the time of installation, NDI Checker operates in **Trial Mode**.
To use NDI Checker in **Licensed Mode**, a purchased license must be activated (see “3.6 License Activation”).

Trial Mode
Trial Mode indicates that the license is invalid.
In this mode, available features are limited, and the following functions are not available:
・Interpretation of “Framerate” and “FourCC” in “NDI Video Frame Information”
・“Frame Format Type” and “Aspect Ratio” in “NDI Video Frame Information”
・All items in “Measured Information” except “Status”
・“Information” in the event log

Licensed Mode
Licensed Mode indicates that the license is valid.
In this mode, all features are available.

3.2 System Preparation

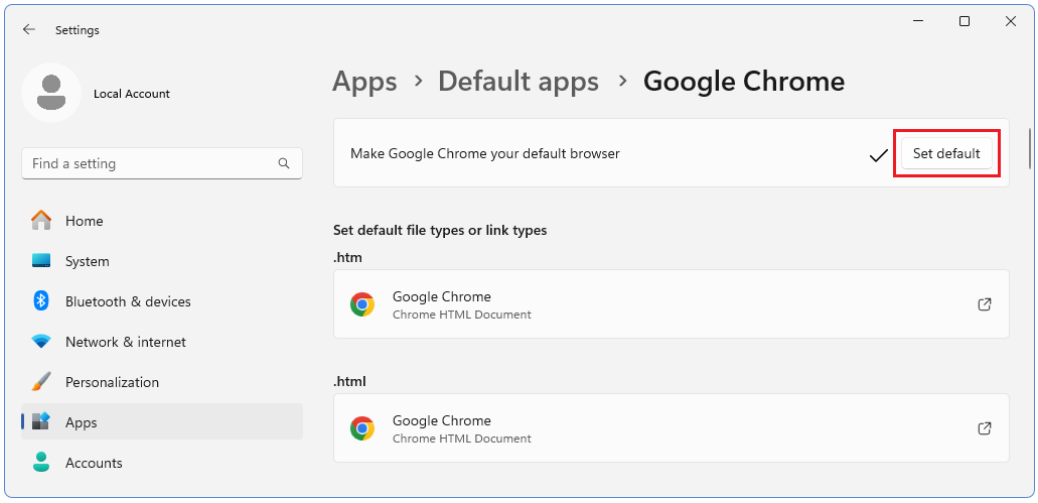
3.2.1 PC Preparation

Make sure that your PC has Windows 11 and Google Chrome or Microsoft Edge installed.
For details on the required operating environment, refer to section 2.3.1.

3.2.2 Setting the Default Browser

NDI Checker launches in the web browser set as your system’s default.
If your current default browser is not Google Chrome or Microsoft Edge, please follow the steps below to set it:

Settings > Apps > Default apps > Google Chrome > Set default
Settings > Apps > Default apps > Microsoft Edge > Set default



3.3 Setup

3.3.1 Installing NDI Checker

NDI Checker can be downloaded and installed from the website.
Please follow the steps below to complete the installation.
Note: Your PC must be connected to the Internet during the installation process.

1 Click "Download NDI® Checker" on the website.

Website: https://leaderphabrix.com/products/ndi-checker/

2 Save the file.

The file will be saved in ZIP format.

NDI Checker Installer v.*.*.*.zip

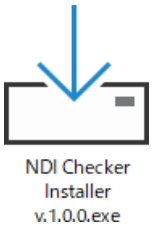
3 Unzip the ZIP file.

After extracting the contents, several files will appear as shown below. Make sure to place all of these files in the same directory:

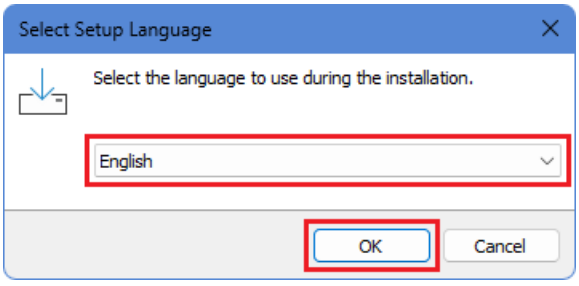
NDI Checker Installer v.*.*.*.exe NDI Checker Installer v.*.*.*-1.bin ⋮ NDI Checker Installer v.*.*.*-n.bin

4 Run the EXE file.

Run "NDI Checker Installer v.*.*.*.exe" to begin the installation process.

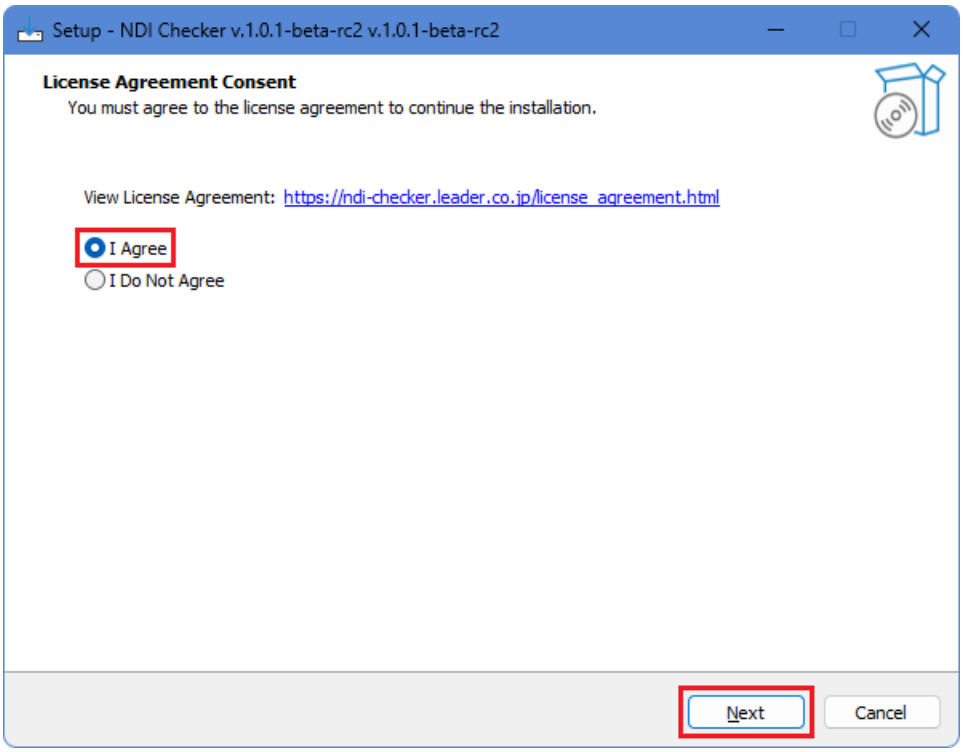


5 Select the setup language and then click OK.



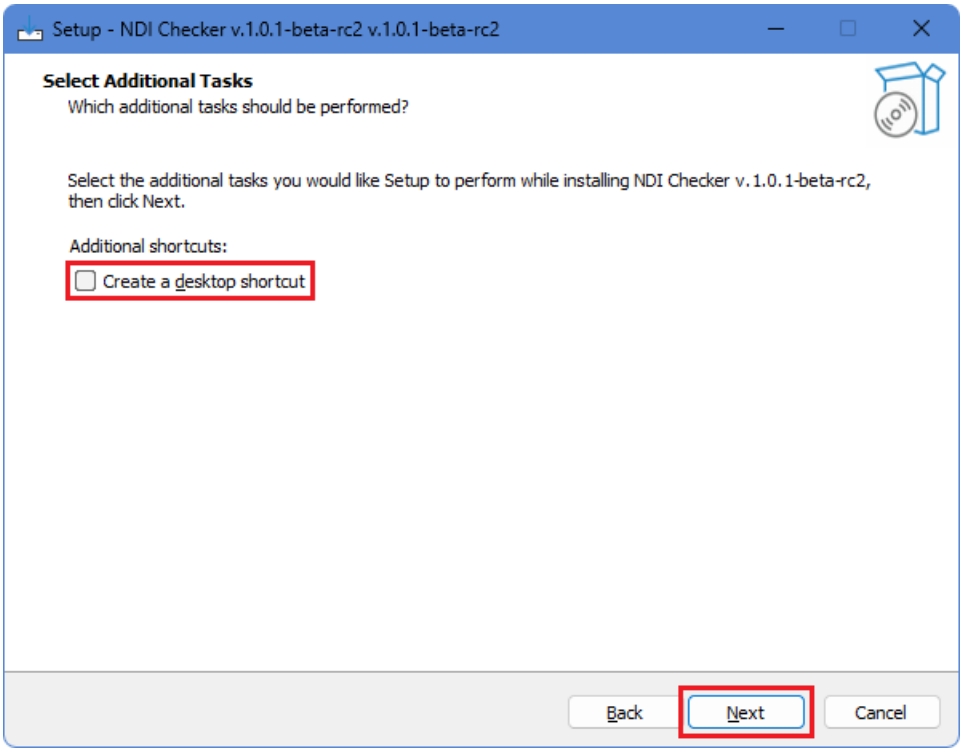
6 Accept the license agreement, then click Next.

Please click the URL to view the license agreement.



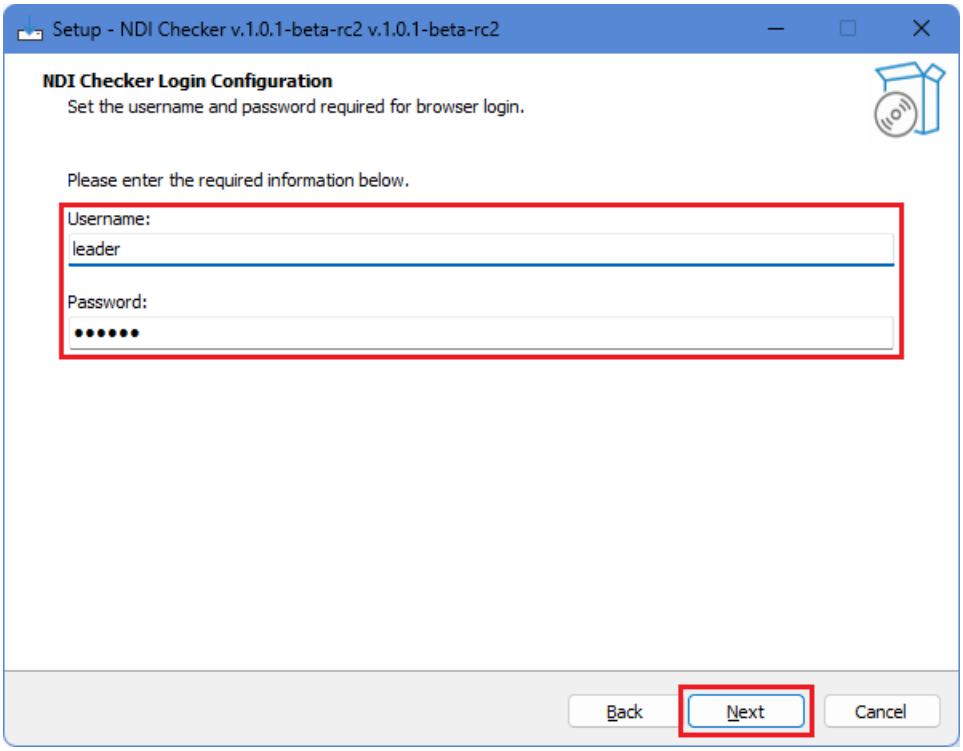
7 Check any additional tasks as needed, then click Next.

If you check "Additional shortcuts," a shortcut for the NDI Checker will be created on your desktop.

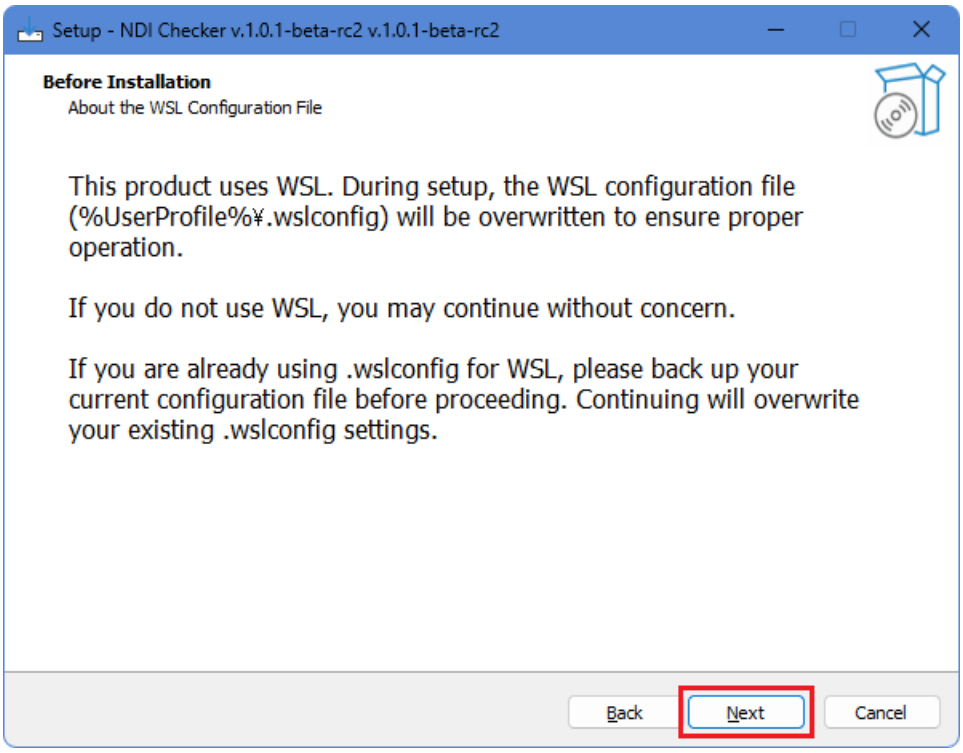


8 Enter the username and password you will use to launch the NDI Checker, then click Next.

Please set your username and password using alphanumeric 64 characters or less.

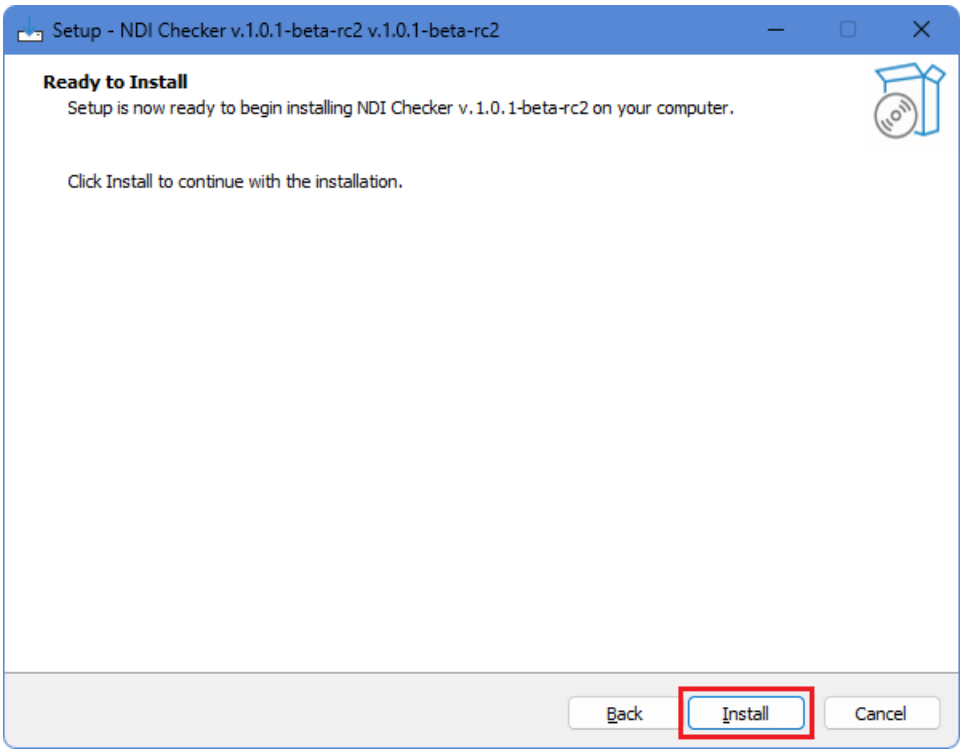


9 Check the notes and then click "Next."



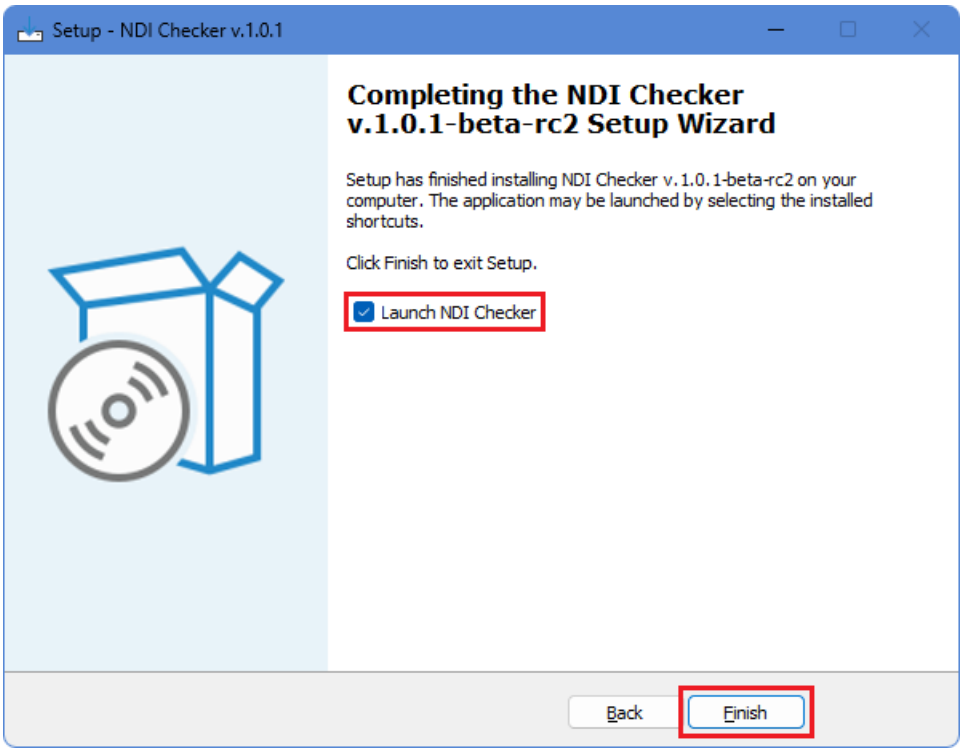
10 Click Install.

Click "Install" to begin the installation.



11 Click "Finish."

If you check "Launch NDI Checker," the NDI Checker will launch after you click "Finish."



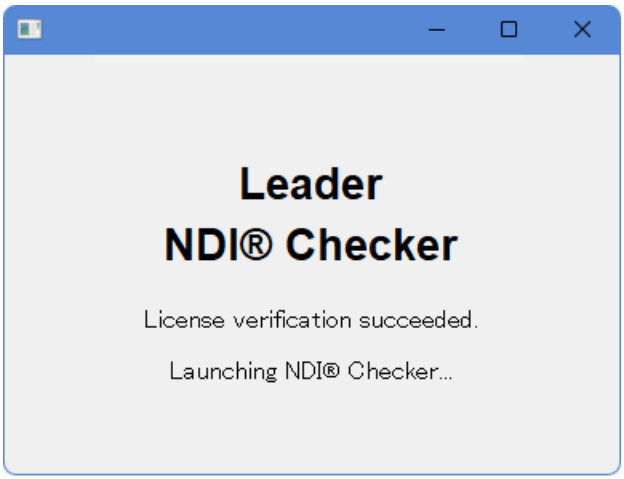
3.3.2 Starting NDI Checker

Follow the steps below to launch the NDI Checker.

1 Run "NDI Checker v.*.*.*"

Run it from the desktop icon or from the start menu.

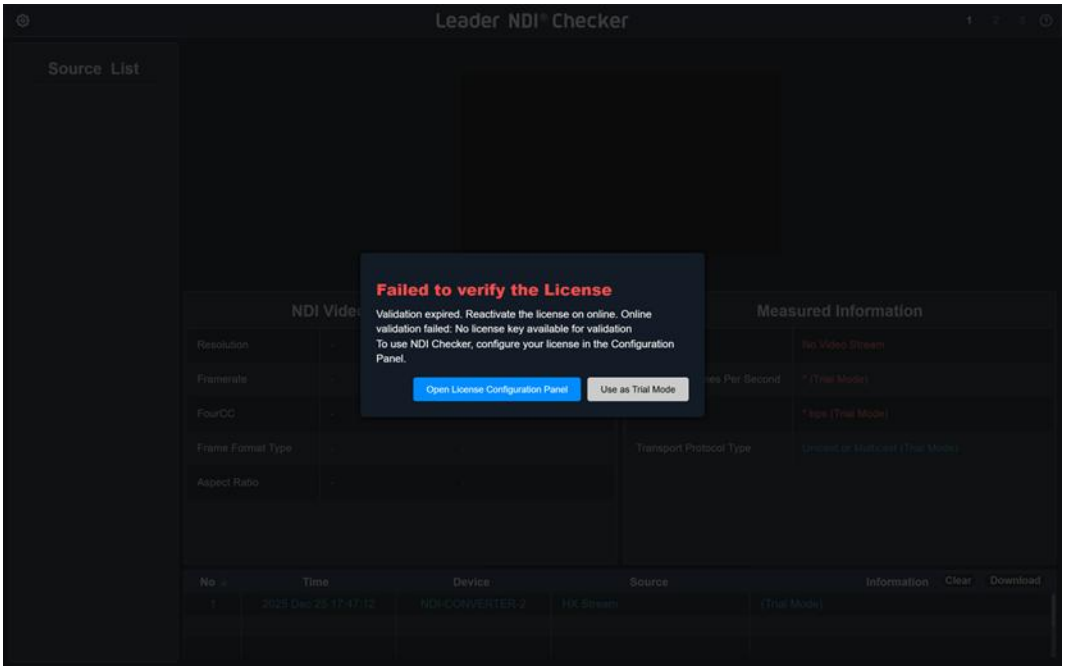
The following screen is displayed, and the web browser is launched.



2 Enter your username and password, then click Sign in.

The username and password are those you set during installation.
If you have forgotten these, please start the installation again. There is no need to uninstall the NDI Checker.

When the following screen is displayed, the login is complete.



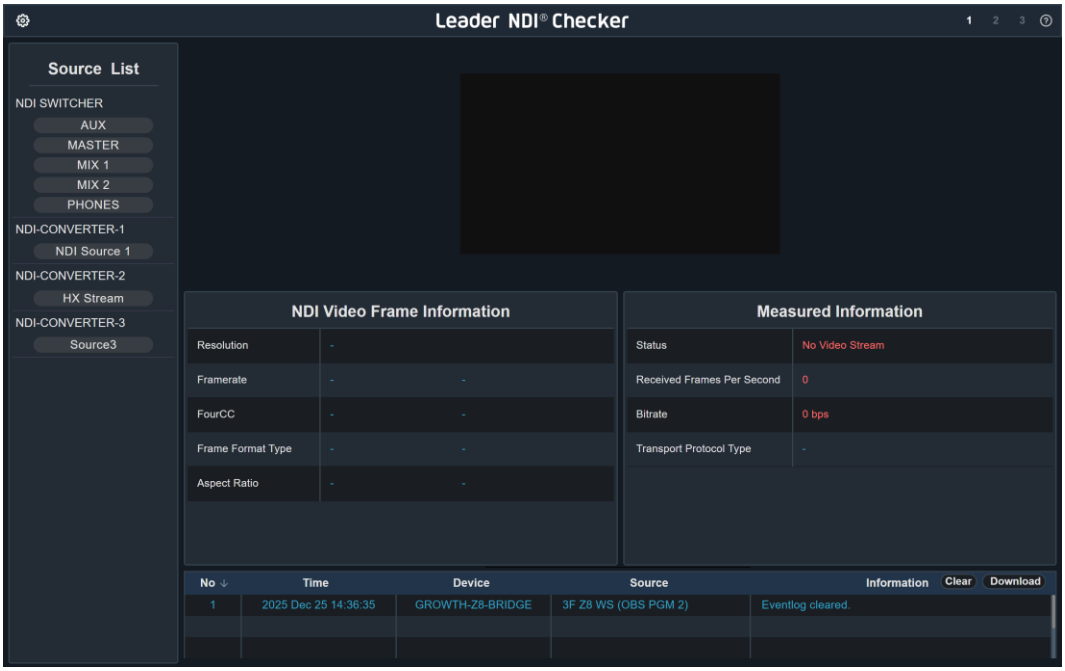
For Users with a License

By activating your license in the “Open License Configuration Panel”, you can use the software in Licensed Mode (see “3.6 License Activation”).

For Users without a License

Click “Use as Trial Mode” to use the software in Trial Mode.

Once the following screen is displayed, you can input an NDI signal and start measurement.

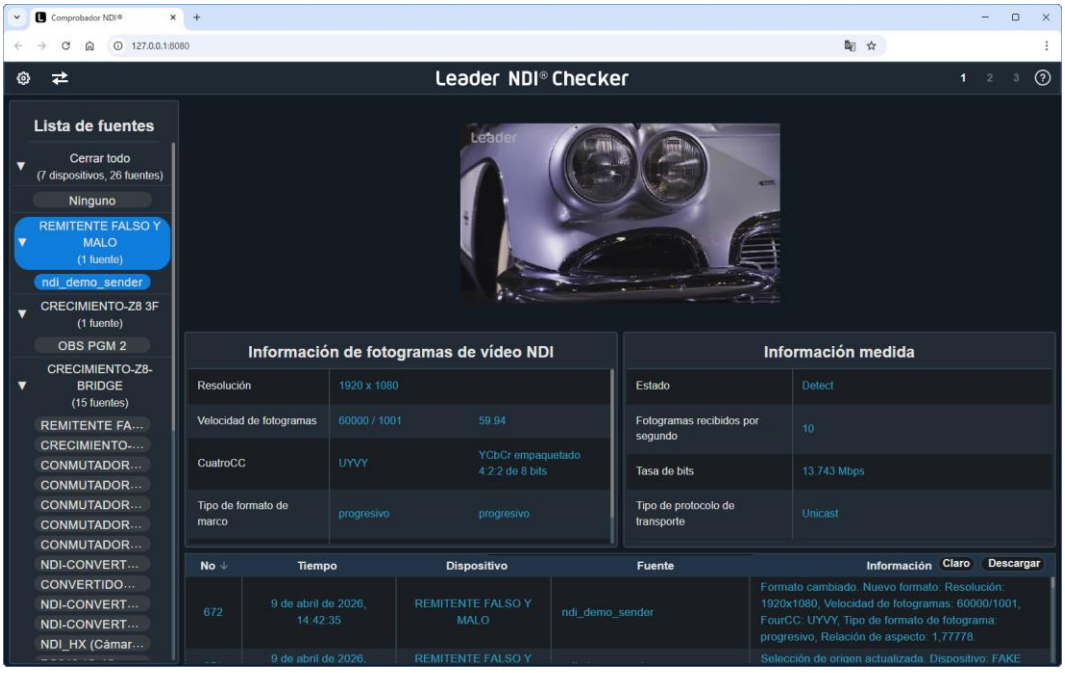


Please note that when your license has 90, 60, or 30 days remaining until expiration, the following warning message will be displayed: "Your license will not automatically renew, so please purchase a new license as needed."

Useful Tips

The NDI Checker is displayed in English, but you can use your browser's translation function to display it in your preferred language.

Example of Spanish display

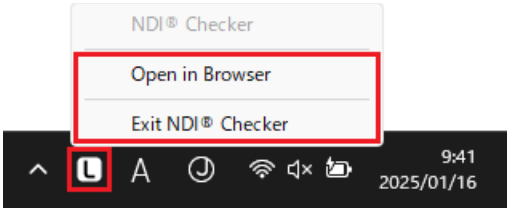


3.4 Exiting NDI Checker

When NDI Checker is launched, an icon will appear in the system tray at the bottom right of your screen. You can right-click this icon to access the menu.

NDI Checker continues to run in the background, even if you close your browser.
To completely exit the application, select "Exit NDI® Checker" from the menu.
(Note: Clicking "Exit NDI® Checker" will not close the browser itself.)

To reopen NDI Checker after closing the browser, select "Open in Browser" from the same menu. Do not attempt to launch "NDI Checker v.*.*.*" again directly, as this may cause the application to start twice and result in an error.



3.5 Updating NDI Checker

Software Update

Please follow the steps below to proceed.

1 Install the new version of NDI Checker (*1)
2 Activate the license (if you have a license)

*1 When updating to a new version, please note that settings and configurations are not automatically carried over.

PC Changes

Please follow the steps below.

1 Deactivate the license on the old PC (if the license is valid) (*1)
2 Install NDI Checker on the new PC
3 Launch NDI Checker
4 Activate the license on the new PC

*1 If you are unable to deactivate the license on the old PC, please contact us via the website below.
Website: https://leaderphabrix.com/

3.6 License Activation

Please purchase and activate the license by following the steps below.

1 Click “Submit a Purchase Order for Leader’s NDI®Cheker” on the website

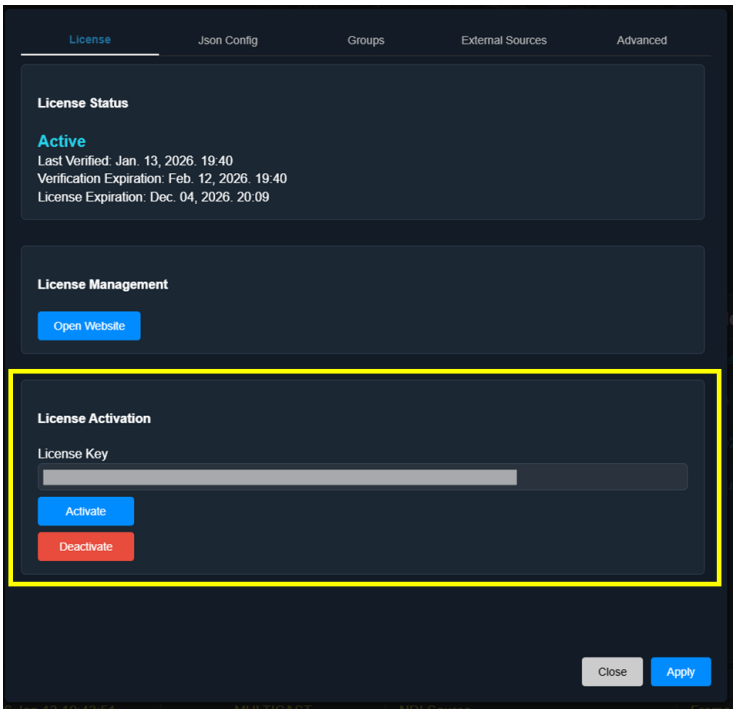
Website: https://leaderphabrix.com/products/ndi-checker

2 Enter the required information and click Submit.

Details regarding the purchasing procedure will be provided by Leader.
After purchase, a license key will be issued.
The purchased license key can also be checked via the “Keys Customer Portal” (external website).
For details, refer to the “Keys Customer Portal User Guide.”

3 Activate the license.

Launch NDI Checker and open the Settings Window.
On the “License” tab, enter the license key and click “Activate.”
The license will become valid and the software will switch to Licensed Mode.
(Clicking “Deactivate” switches the software to Trial Mode.)
Please note that an internet connection is required to activate/deactivate the license.

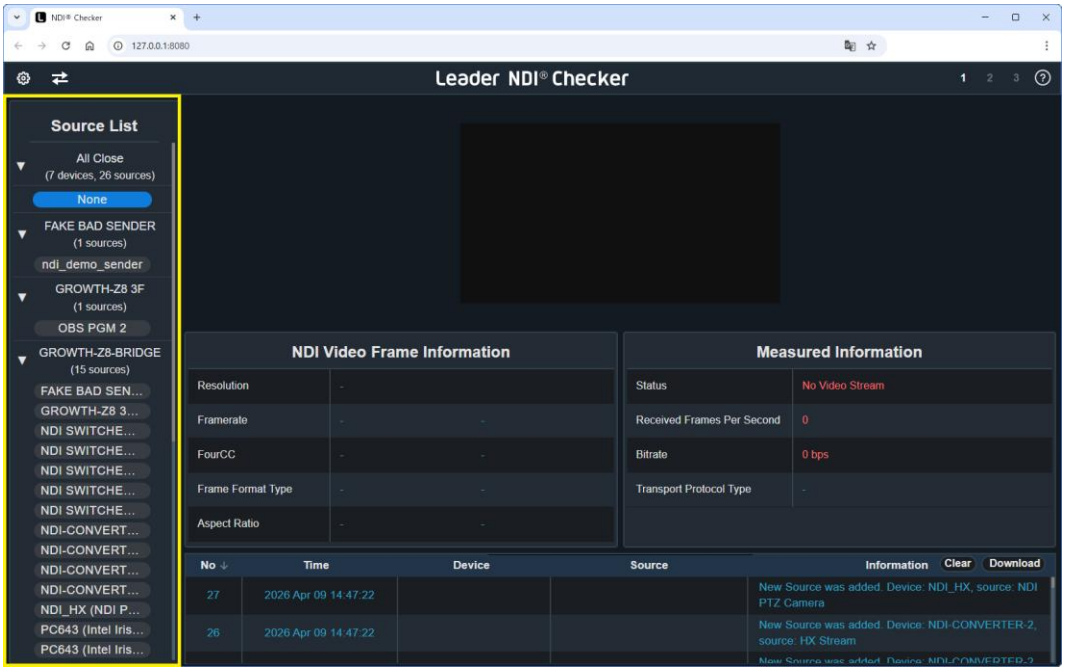


4 MEASUREMENT

4.1 Measurement Procedure

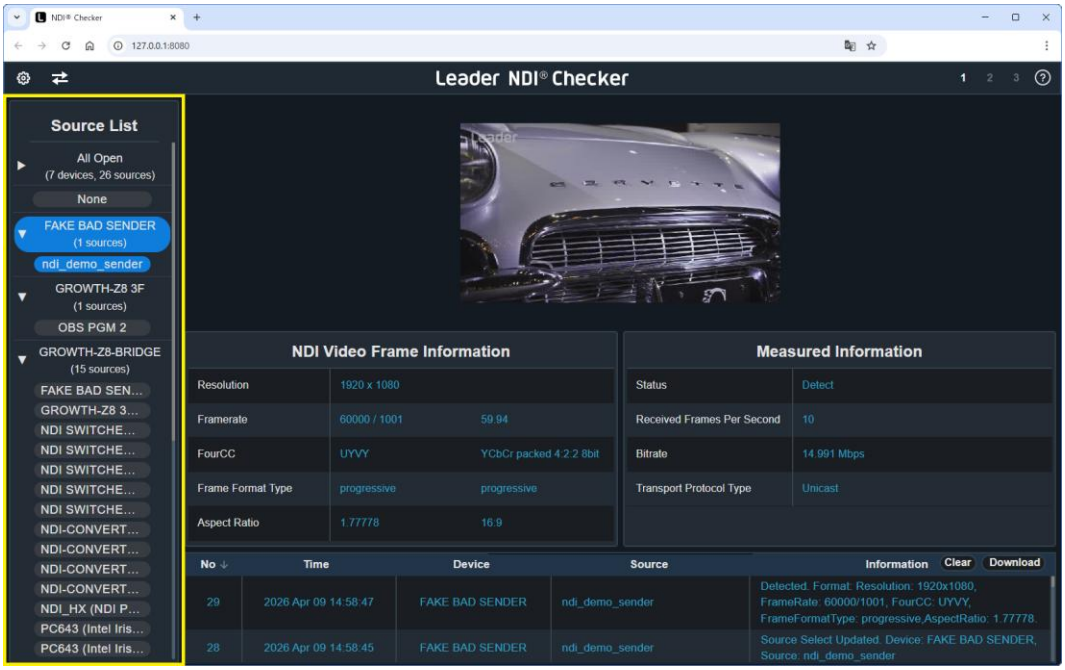
1 Detecting NDI Signals on the Network.

When the software is launched, NDI signals on the same network are automatically detected and displayed in the “Source List”.
Make sure that the signal you want to measure appears in the list. If it is not listed, refer to "4.2.6 Connectivity Check" to check the network connection status.



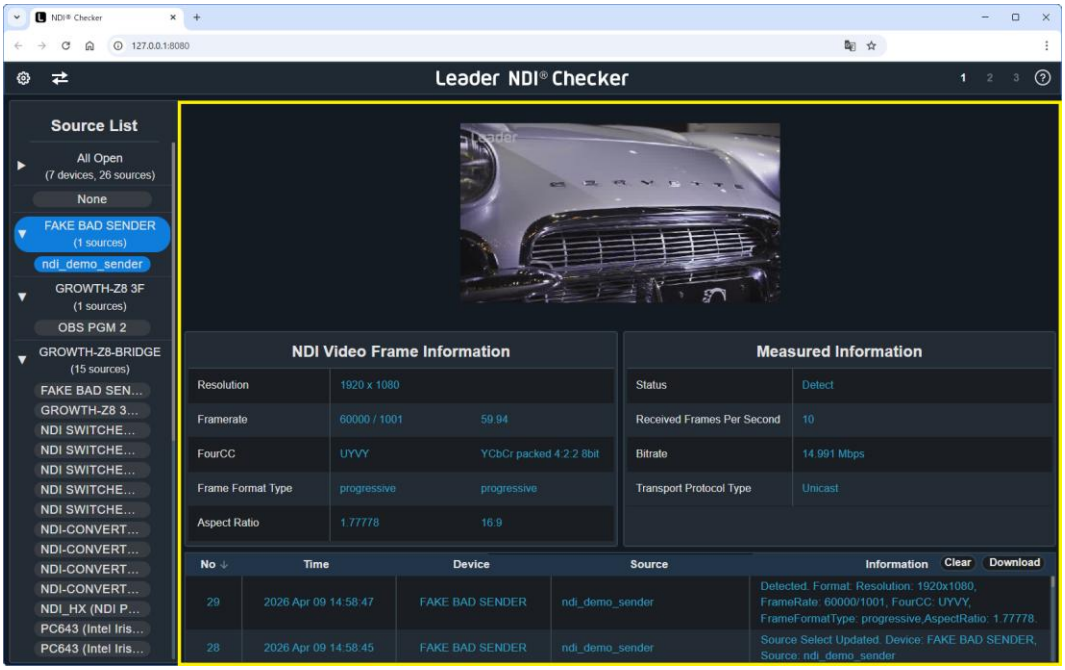
2 Select the measurement signal from the Source List and click the source name.

The selected signal is highlighted in blue, and measurement will begin.

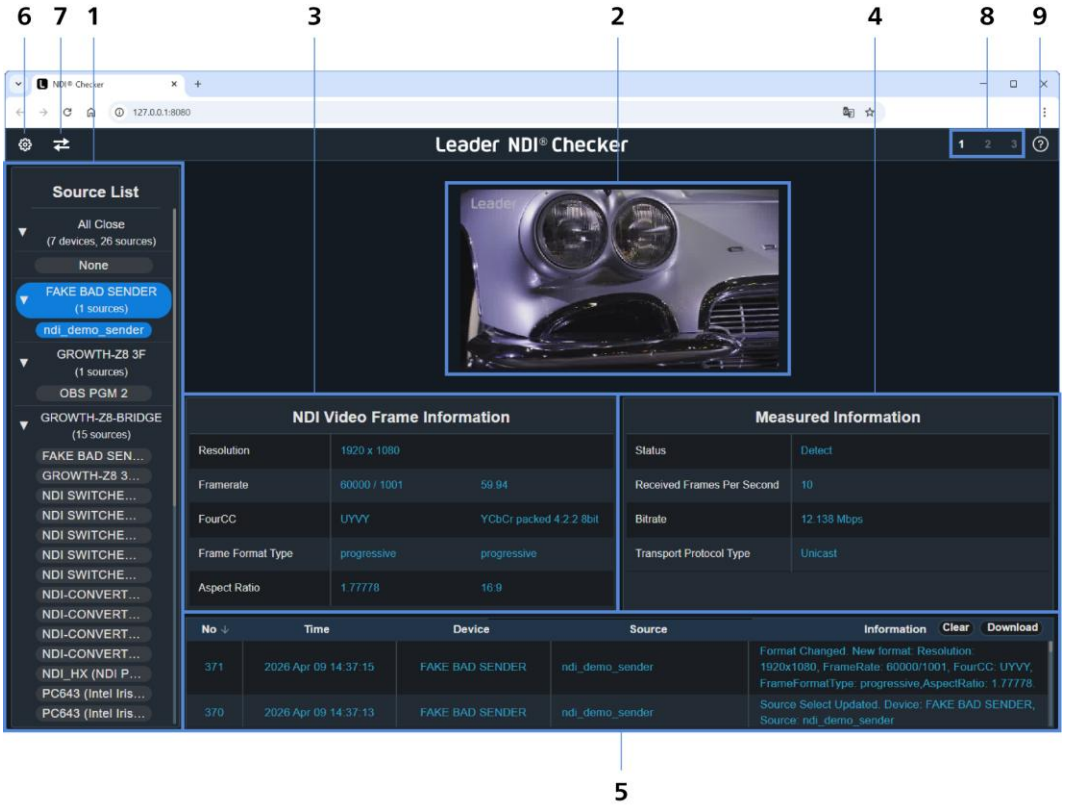


3 Check the measurement results.

You can check the video in Picture Display, video format information in NDI Video Frame Information, measurement information in Measured Information, and information on events that have occurred in the event log.



4.2 Measurement Screen Explanation



1 Source List

Displays a list of the device names and source names of NDI Senders on the network.
[Reference] "4.2.1 Source List"

2 Picture Display

The video of the selected signal is displayed simply.
The formats supported for picture display are part of the formats supported for measurement. For details, "2.3.4 Picture Display Supported Video Formats."

Because the image is displayed at a reduced pixel count and frame rate, it is not suitable for checking image quality.

3 NDI Video Frame Information

Displays the video format information of the selected signal.
[Reference] "4.2.2 NDI Video Frame Information"

4 Measured Information

Displays measurement information for the selected signal.
[Reference] "4.2.3 Measured Information"

5 Event Log

Displays a list of events that occurred during measurement.
It can be output in CSV format.
[Reference] "4.2.4 Event Log"

6 Settings Button

Displays the settings window.
[Reference] “4.2.5 Settings Window”

7 Connectivity Check Button

Displays the connectivity check window.
[Reference] "4.2.6 Connectivity Check"

8 Layout Button

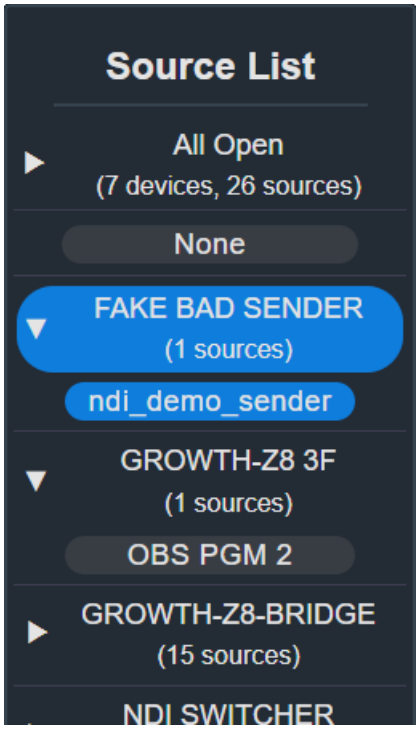
Click to switch the layout.
[Reference] “4.2.7 Layout “

9 Help Button

Displays information about this product.
[Reference] "4.2.8 Help Window"

4.2.1 Source List

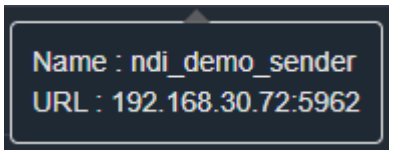
The Source List displays a list of NDI Sender device names and source names present on the network. Select the signal you want to measure from this list.



Selecting a Signal to Measure

To select a signal, click the source name.
The currently selected signal will be highlighted in blue.
If there are multiple signals, only the selected signal can be measured.

Hovering your mouse cursor over a source name will display the URL.



Deselecting a Signal

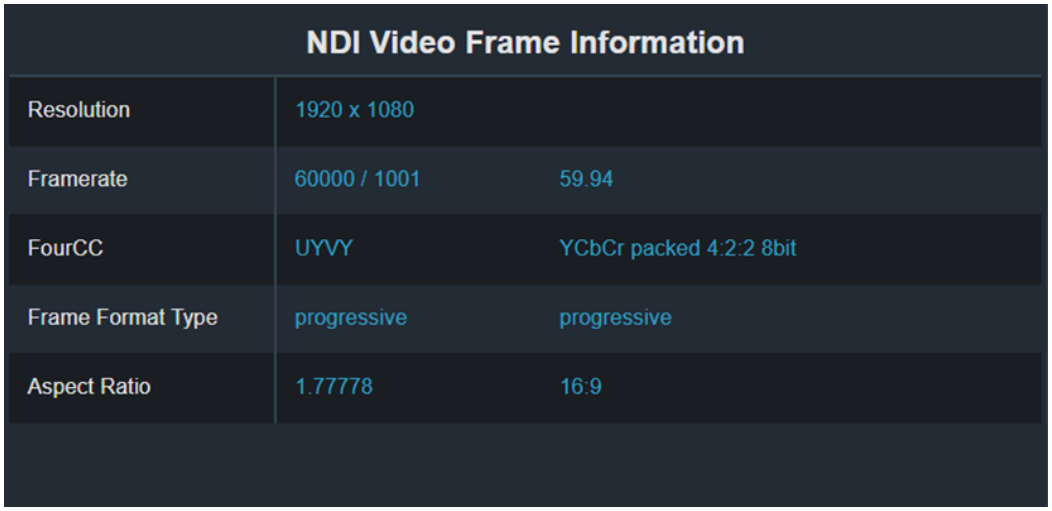
To deselect a signal, click "None" at the top of the list.

Expanding/Collapsing Device Names

The Source List displays device names and source names in a tree structure.
Clicking each device name expands or collapses the hierarchy.
Clicking "All Open" or "All Close" at the top of the list expands or collapses all levels at once.

4.2.2 NDI Video Frame Information

This section describes the items displayed in the NDI Video Frame Information screen. Measurement values are normally displayed in light blue, but if attention is required they will be displayed in yellow, and if there is an error they will be displayed in red.



Resolution

Displays the resolution.

Resolution	Display Color
Other than the following	Light blue
X value is greater than 3840 or Y value is greater than 2160	Yellow
X or Y value is less than or equal to 0	Red

Framerate

Displays the frame frequency or field frequency. To the right of the value is an interpretation of the Framerate.

Framerate	Interpretation	Display Color
25/1, 2500/100, 25000/1000	25.00	Light blue
2997 / 100, 30000 / 1001	29.97	
30/1, 3000/100, 30000/1000	30.00	
50/1, 5000/100, 50000/1000	50.00	
5994 / 100, 60000 / 1001	59.94	
60/1, 6000/100, 60000/1000	60.00	
Other than the above or below	Show Framerate	Yellow
Numerator or denominator is less than or equal to 0	Show Framerate	Red

FourCC

Displays the video format. To the right of the value is the FourCC interpretation.

FourCC	Interpretation (only Licensed Mode)	Display Color
UYVY	YCbCr packed 4:2:2 8bit	Light blue
UYVA	YCbCr with alpha packed 4:2:2:4 8bit	
P216	YCbCr semi-planar 4:2:2 16bit	
PA16	YCbCr with alpha semi-planar 4:2:2:4 16bit	
YV12	YCbCr Planar 4:2:0 8bit	
I420	YCbCr Planar 4:2:0 8bit	
NV12	YCbCr Semi-planar 4:2:0 8bit	
BGRA	BGR with alpha Planar 4:4:4:4 8bit	
BGRX	BGR Planar 4:4:4 8bit	
RGBA	RGB with alpha Planar 4:4:4:4 8bit	
RGBX	RGB Planar 4:4:4 8bit	
Max (0x7fffffff)	Invalid: 0x ****	Red
Other than the above	Undefined: 0x ****	

Frame Format Type (only Licensed Mode)

Displays the scanning method. The right side of the value displays the interpretation of the Frame Format Type.

Frame Format Type	Interpretation	Display Color
Interleaved (0)	Interlaced	Light blue
progressive (1)	progressive	
field_0 (2)	Interlaced	
field_1 (3)	Interlaced	
Max (0x7fffffff)	Invalid	Red
Other than the above	Undefined	

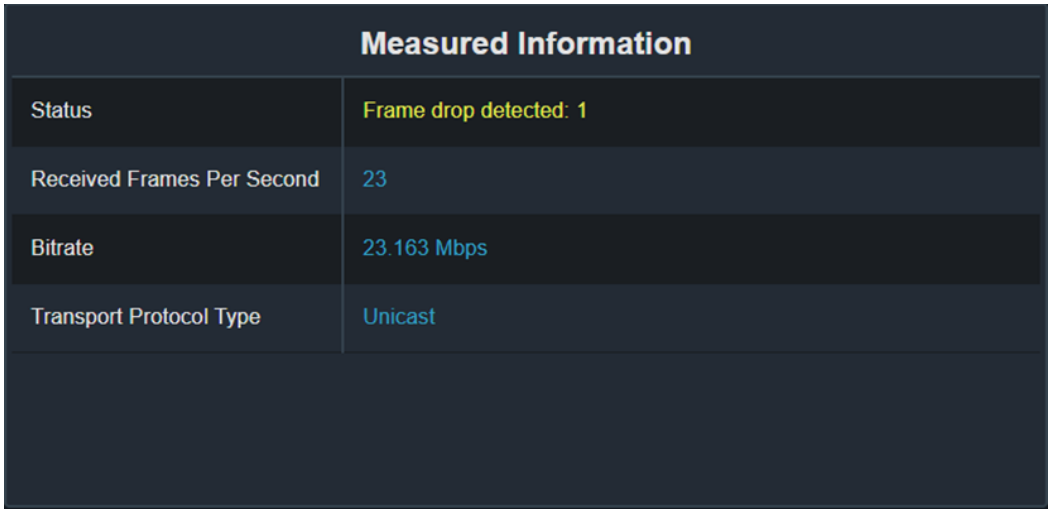
Aspect Ratio (only Licensed Mode)

Displays the aspect ratio. To the right of the value is an interpretation of the Aspect Ratio.

Aspect Ratio	Interpretation	Display Color
1.77778	16:9	Light blue
0	square	
Any other positive value	Custom	
Any other negative value	Custom	Red

4.2.3 Measured Information

This section explains the items displayed in Measured Information.
Measurement values are normally displayed in light blue, but if attention is required, they will be displayed in yellow, and if there is an error they will be displayed in red.



Status

Displays the signal status.

Status	Explanation	Display Color
Detect	NDI signal detected	Light blue
Picture is not implemented for this FourCC	The currently received FourCC does not support picture	Yellow
Frame drop detected: {number of drops}	Frame drop detected	
No Video Stream	No NDI signal	Red

Received Frames Per Second (only Licensed Mode)

An integer representing the number of video frames received in the last second. This is a different value than the frame rate.

Received Frames Per Second	Display Color
Non-zero	Light blue
0	Red

Bitrate (only Licensed Mode)

Displays the bit rate of the signal being received. This bit rate value includes not only the video signal, but also audio, metadata and control signals.

Bitrate	Display Color
Positive value	Light blue
0 or Negative values	Red

Transport Protocol Type (only Licensed Mode)

Displays the Transport Protocol Type of the received signal.

Transport Protocol Type	Display Color
Unicast	Light blue
Multicast	
-	

4.2.4 Event Log

This section describes the items displayed in the event log.
The event log is a list of events that occurred during measurement and is useful for checking past events. It can also be output in CSV format.

The event log can store up to 100,000 events. Of these, the most recent 5,000 events are displayed on the screen and the rest are stored in the internal memory. When the number exceeds 100,000 entries, older entries are deleted first. Please note that if you reinstall the NDI Checker due to an update, etc., all event logs will be erased.

Please note that this function cannot be used in the Trial Mode.
The Information section displays the message "(Trial Mode)".

Display Content

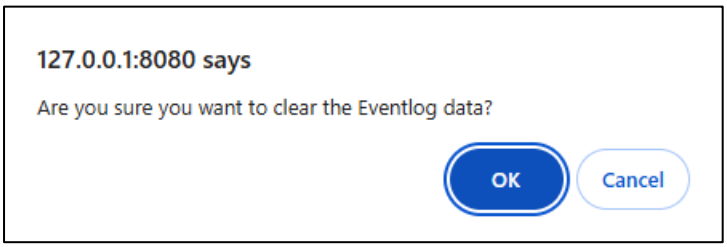
The following items are displayed in chronological order:
Clicking on the title No (Number), Time, Device, Source, or Information will sort the list in ascending or descending order.

Item	Description
No	Number (in order of occurrence)
Time	Time of occurrence
Device	Device name
Source	Source name
Information	Event log details

Information	Description	Display Color
Detected. { format }	NDI signal detected	Light blue
Source Select Updated Device: "{Device name}", Source: "{Source name}"	Change the measurement signal	
New Source was added. Device: {Device name}, Source: {Source name}	Newly discovered NDI Sender	
Source was removed. Device: {device name}, Source: {source name}	NDI Sender disappears from the network	
Eventlog cleared.	Cleared the Event Log	
Frame drop detected : {number of drops}	Frame drop detected	Yellow
No Video Stream	No NDI signal	Red

Clearing the Event Log

When you click the Clear button, a confirmation message will appear; click "OK" to clear the event log.
This will clear all displayed and internally stored event logs.



Downloading the Event Log

Click the Download button to save the event log in CSV format.
Saves all of the displayed and internally stored event logs.

EventLog_YYYYMMDD_hhmm.csv

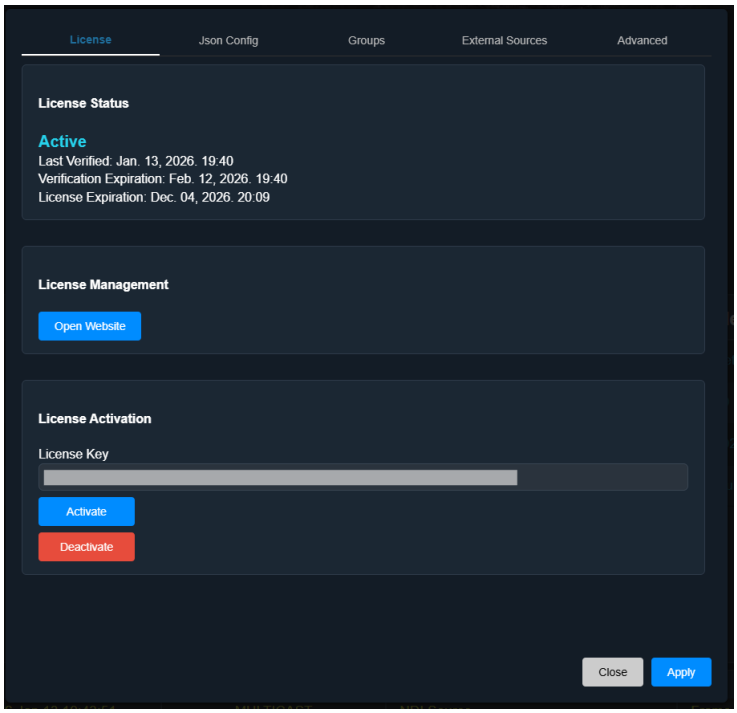
	A	B	C	D	E
1	No	Time	Device	Source	Information
2	1	2025 Jan 23 05:59:10	DEMO	Test Pattern	Source Select Updated. Device: DEMO"
3	2	2025 Jan 23 05:59:11	DEMO	Test Pattern	Detected. Format: Resolution: 1920x1080, FrameRate: 60000/1001, Fou
4	3	2025 Jan 23 06:05:51	DEMO	Test Pattern	Format Changed. New format: Resolution: 1920x1080, FrameRate: 3000
5	4	2025 Jan 23 06:06:13	DEMO	Test Pattern	Format Changed. New format: Resolution: 1920x1080, FrameRate: 6000
6	5	2025 Jan 23 06:24:16	DEMO	Test Pattern	No Signal
7	6	2025 Jan 23 06:24:16	DEMO	Test Pattern	Source was removed. Device: DEMO, source: Test Pattern
8	7	2025 Jan 24 00:53:03	DEMO	Test Pattern	New Source was added. Device: DEMO, source: Test Pattern
9	8	2025 Jan 24 00:53:05	DEMO	Test Pattern	Detected. Format: Resolution: 1920x1080, FrameRate: 60000/1001, Fou
10	9	2025 Jan 24 00:53:05	DEMO	Test Pattern	Frame drop detected: 29

4.2.5 Settings Window

This section describes the Settings window, which is displayed when you click the Settings button in the upper-left corner of the screen. Clicking the Close button closes the Settings window. Clicking the Apply button applies the settings.

License

This section explains the items displayed in the License tab.



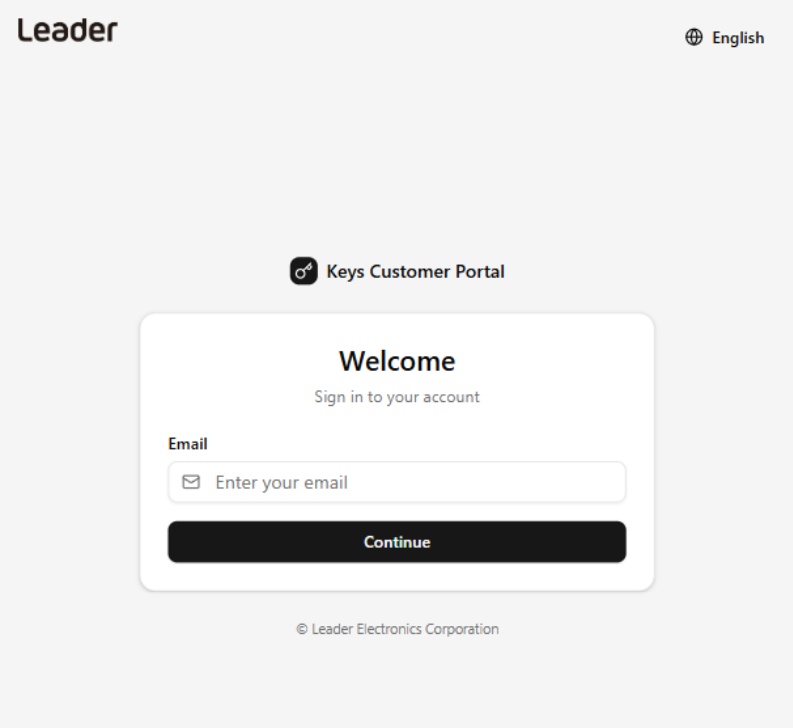
1 License Status

Displays the license status.

Item	Description
Active / Inactive	License status (active / inactive)
Last Verified	Date when activation was last successfully completed
Verification Expiration	Date when reactivation is required
License Expiration	License expiration date

2 License Management

Clicking ”Open Website” opens the “Keys Customer Portal (external website)”.
For details, refer to the “Keys Customer Portal User Guide “.

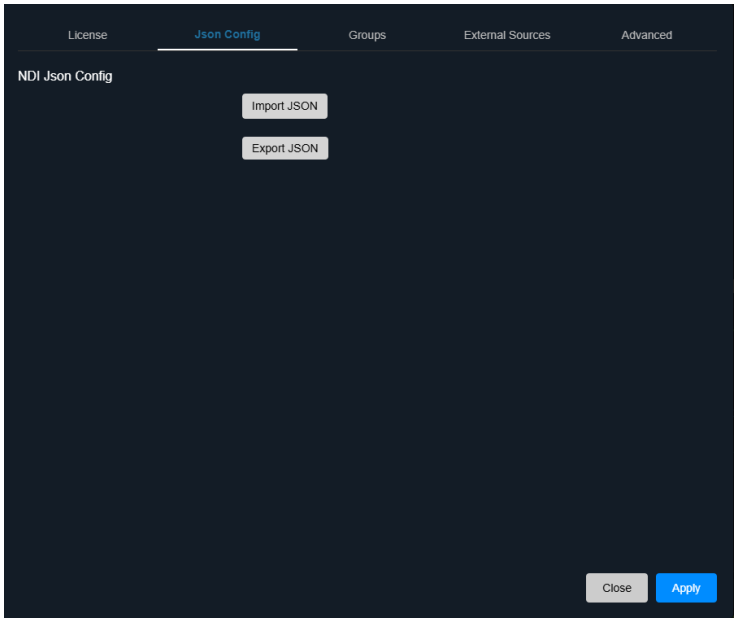


3 License Activation

You can activate and deactivate the license.
For details, refer to “3.6 License Activation “.

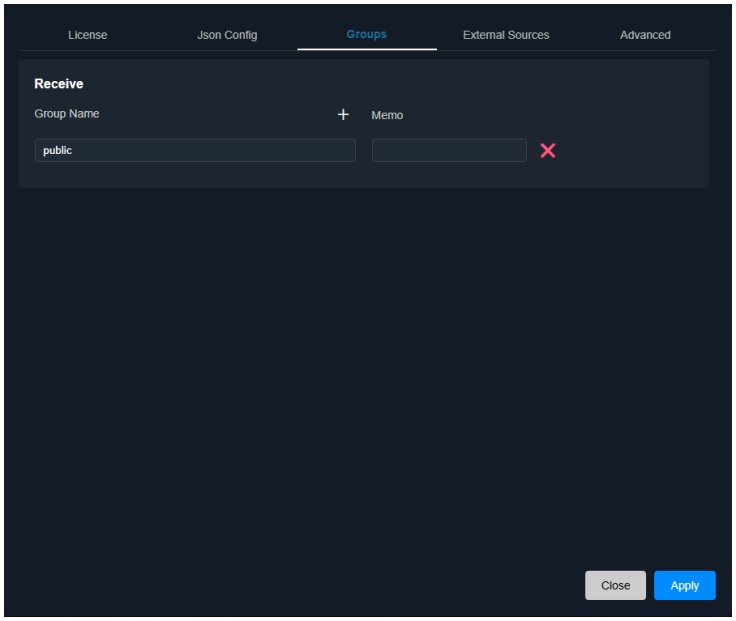
Json Config

You can import (read) and export (write) the JSON file that contains the NDI configuration settings.



Groups

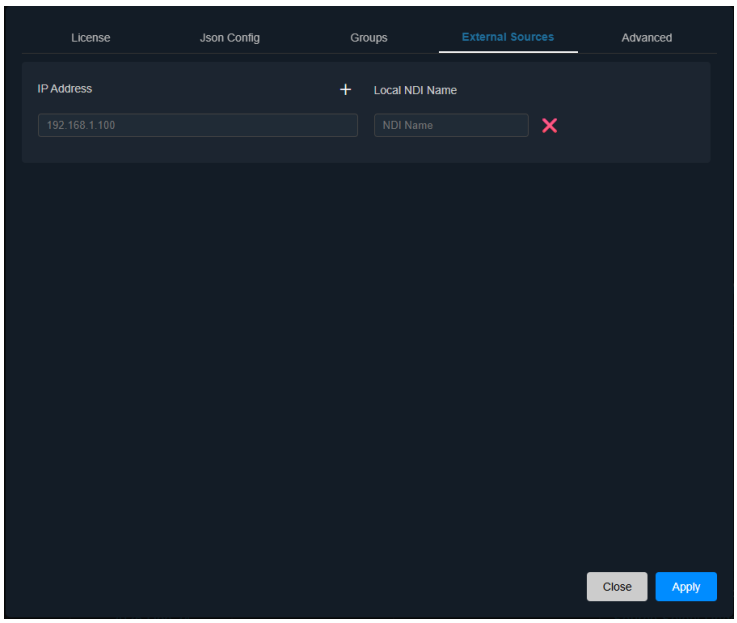
This section is used to configure NDI Groups. Click the “+“button to add an entry, and the “×“ button to delete an entry.



Item	Description
Group Name	Group name input field
Memo	Memo input field

External Sources

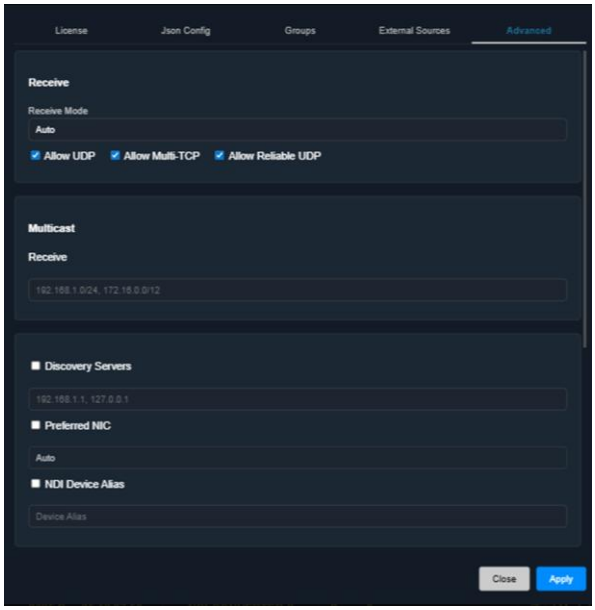
This section is used to configure External Sources. Click the “+“button to add an entry, and the “×“button to delete an entry.



Item	Description
IP Address	IP address input field
Local NDI Name	Identifier input field

Advanced

Additional detailed settings can be configured.



1 Receive

Configure the transmission mode.

Item	Description
Single TCP	Receives data using standard TCP.
Auto	Automatically selects the reception method from the checked options (Allow UDP, Allow RUDP, Allow Multi-TCP) and standard TCP.

2 Multicast

Configure the IP address range of devices that transmit multicast streams using CIDR notation.

Example: 192.168.0.0/24
→ 192.168.0.0 ～ 192.168.0.255

3 Network Mapping

Configure network settings.

Item	Description
Discovery Server	Specify the IP address of the Discovery Server.
Preferred NIC	Specify the NIC to be used.
NDI Device Alias	Specify the device name of NDI Checker displayed by the Discovery Server and NDI Listener.

4.2.6 Connectivity Check

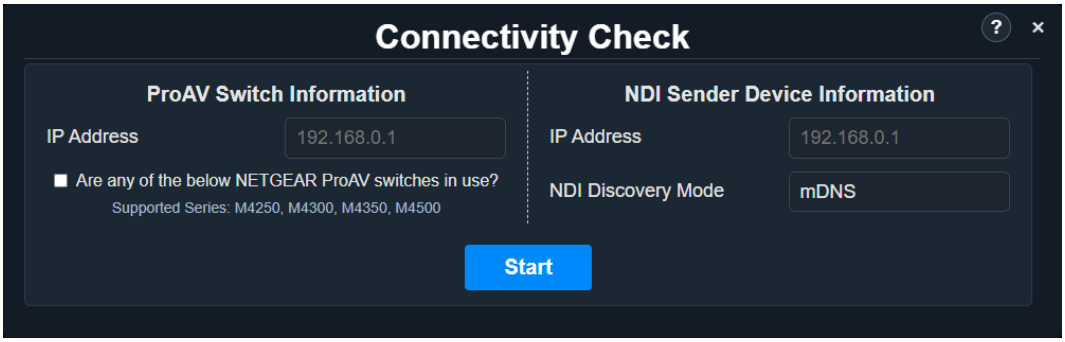
This section describes the connectivity check, which appears when you click the Connectivity Check button in the upper-left corner of the screen.

This troubleshooting feature is used when NDI signals do not appear in the source list. It diagnoses the connection status between the PC, switch, and NDI Sender to help identify the issue.

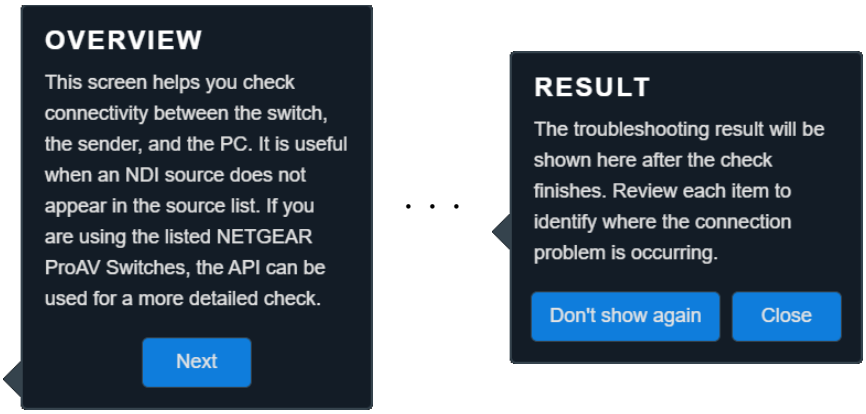
As an example, the following procedure describes the Connectivity Check when using a NETGEAR ProAV switch.

1 Click the Connectivity Check button.

The connectivity check window will be displayed.

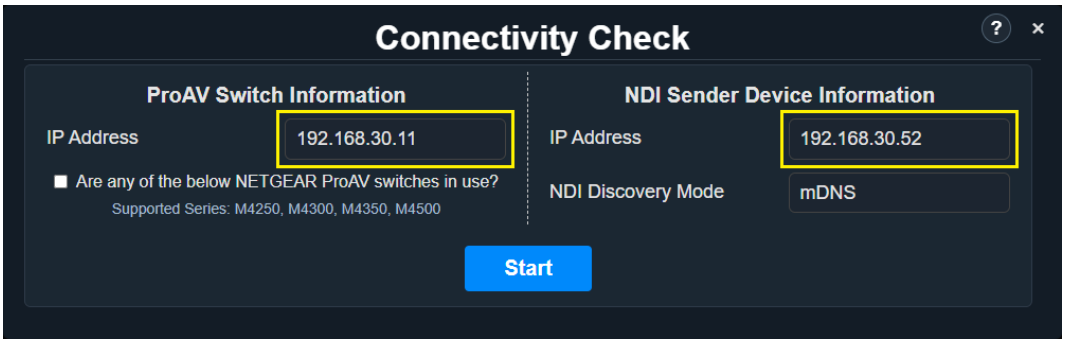


Note: Clicking the "?" icon in the upper-right corner displays an operation guide that provides step-by-step instructions. You can learn how to use each feature by clicking "Next." This guide appears every time the NDI Checker is launched. However, if you click "Don't show again" at the end of the guide, it will not be displayed next time.



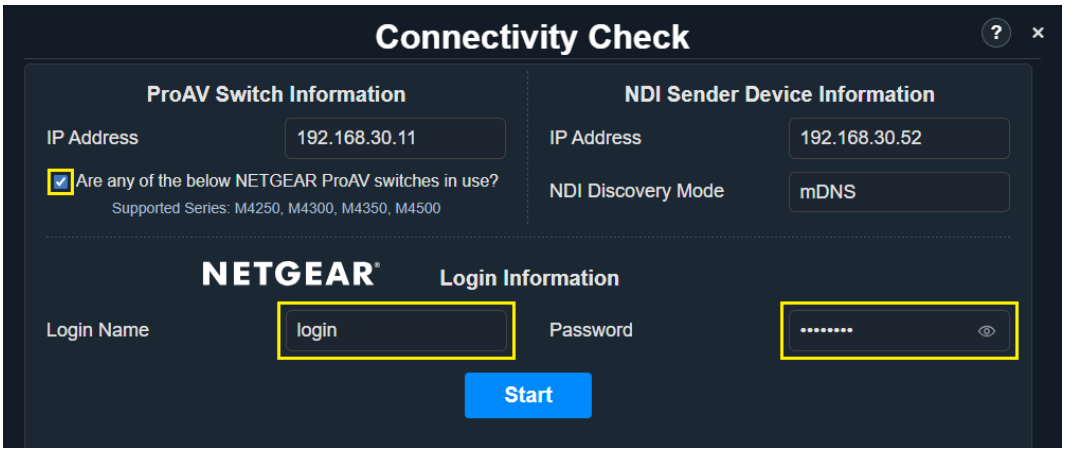
2 Enter the IP addresses of the switch and the NDI Sender.

The NDI Discovery Mode is fixed to mDNS.



3 Check the "NETGEAR" box, then enter the login credentials for the switch.

If you are not using a NETGEAR ProAV switch, you do not need to fill out this section. When a supported switch is used, more detailed connectivity checks can be performed compared to when one is not used. Please refer to "Supported Series" for compatible products.

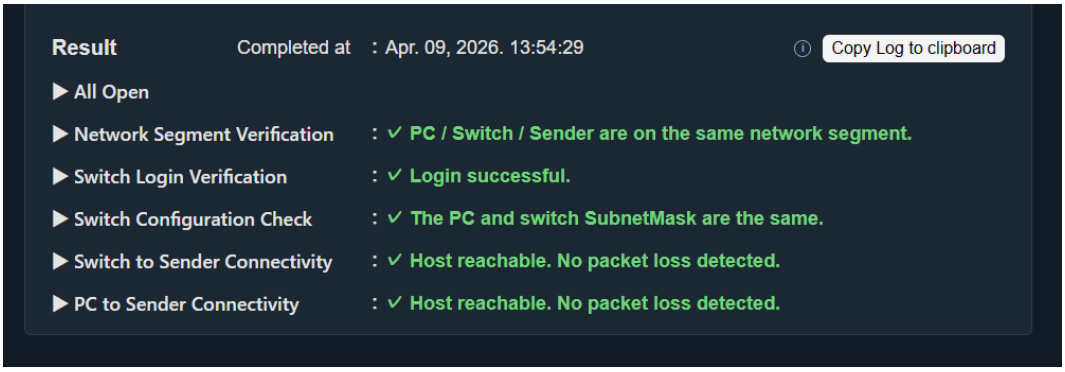


4 Click the Start button.

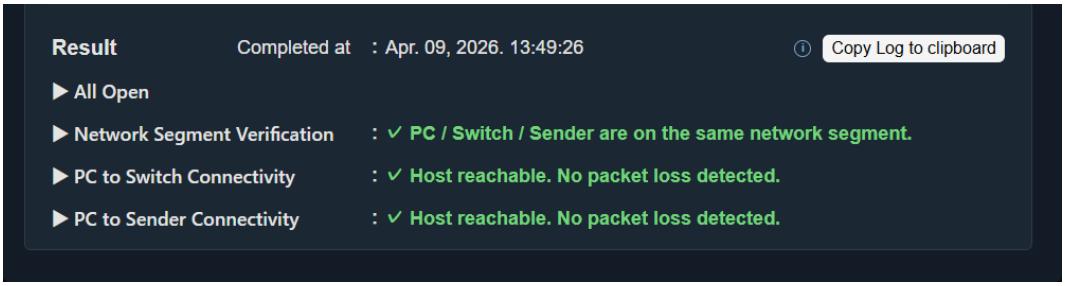
Once clicked, the results will appear below the input fields. You can click on each item to view detailed information.

If all items display a green "✓", the system is operating normally.
If any item displays a red "×", an issue has occurred with that specific item. Check the details and take appropriate countermeasures.

When using the NETGEAR ProAV switch



When not using the NETGEAR ProAV switch



About "Copy Log to clipboard"

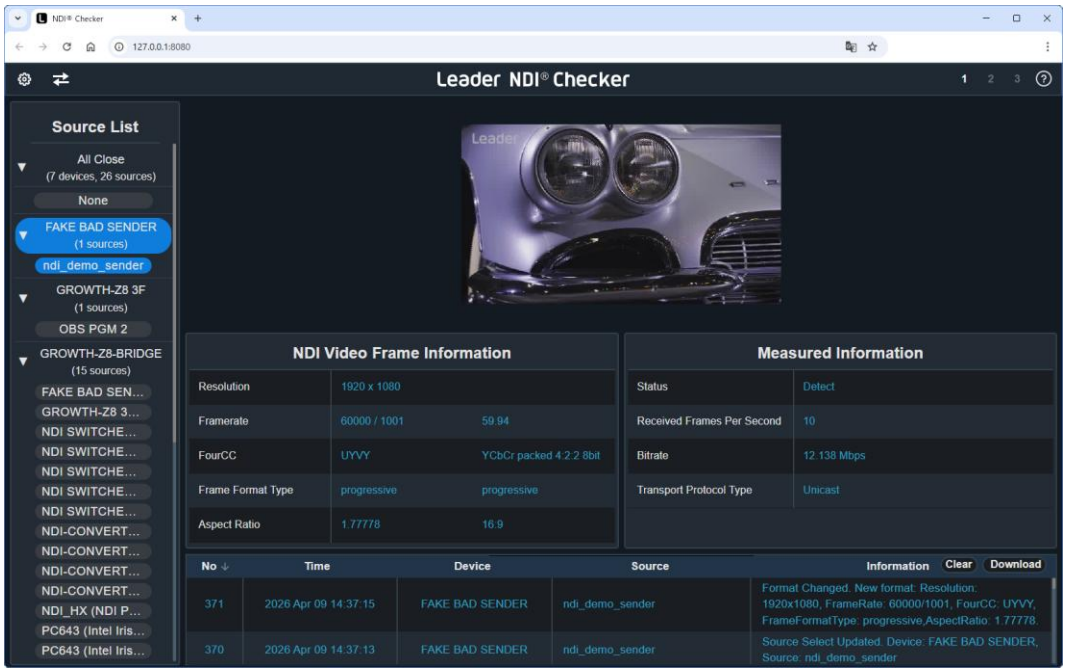
Clicking the "Copy Log to clipboard" button copies the Connectivity Check results along with the NDI settings in text format. By inputting this text into an AI assistant (such as Gemini), you can receive a clear and detailed explanation of the current status.

4.2.7 Layout

NDI Checker provides three types of layouts, which can be switched using the 1–3 buttons in the upper-right corner of the screen.

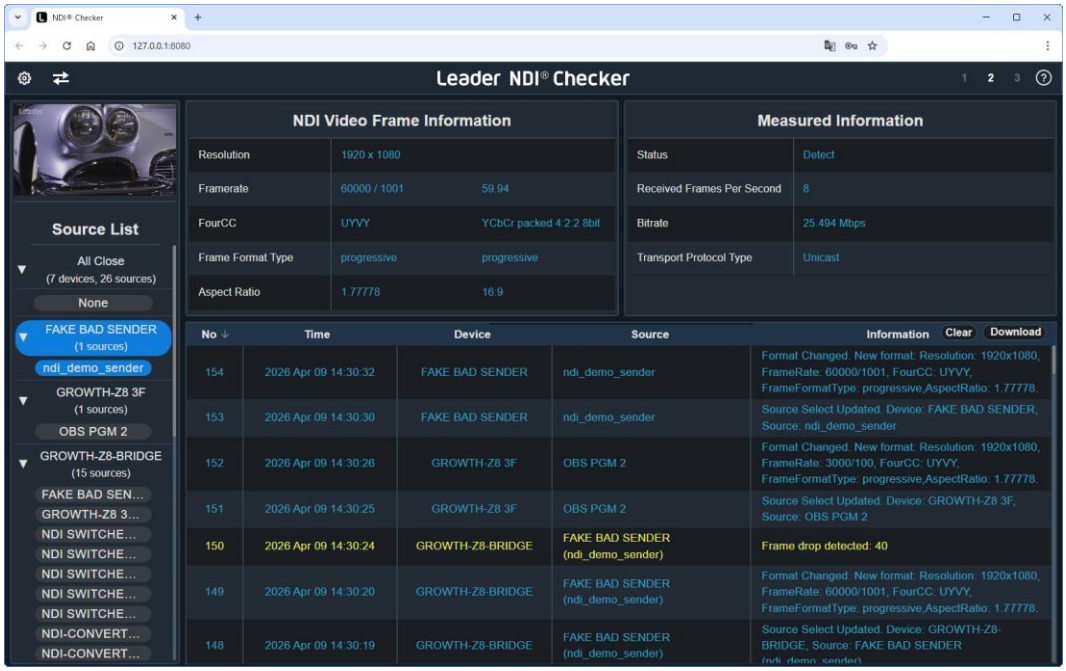
Layout 1

This is the standard layout.
You can resize the event log area by dragging the top of the event log upward.
(The layout arrangement is reset when switching layouts.)



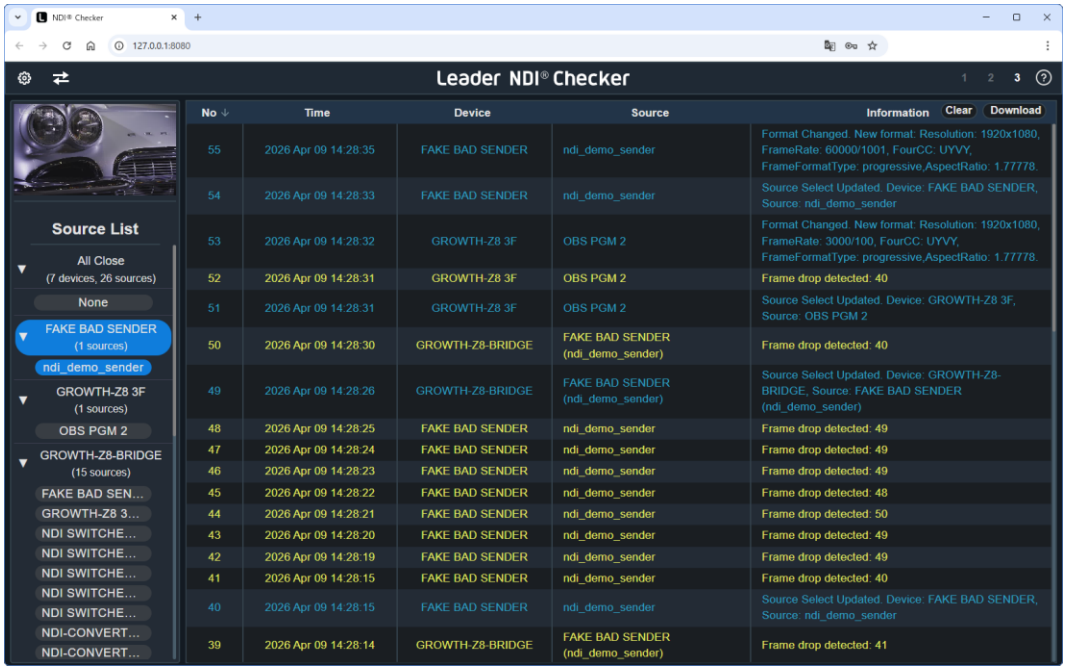
Layout 2

This layout displays the event log in a larger area by moving the picture above the Source List.
You can resize the event log area by dragging the top of the event log upward.
(The layout arrangement is reset when switching layouts.)



Layout 3

This layout displays the event log in an even larger area by hiding NDI Video Frame Information and Measured Information.



4.2.8 Help Window

This section explains the help window that appears when you click the help button in the upper right corner of the screen.

NDI® Checker

Displays the software version of NDI Checker.

NDI® Advanced SDK

Displays the software version of the NDI Advanced SDK.

Chatbot Support (Product Page)

Open the support page on the website (English, Japanese).

User Manual

Open the instruction manual in PDF format. (English, Japanese)

Software License

Displays the software license. (English)

5 RELEASE NOTES

This document is based on software version 1.3.0.
The software version can be checked on the NDI Checker help window.

Ver. 1.3.0

- Added a network diagnostic feature. (Connectivity Check)
- Added a None option to the Source List selection.
- Improved the Source List to display the number of Devices and Sources.
- Improved the Source List so it can be collapsed.
- Added All Open / All Close buttons to the Source List.
- Improved the UI so the currently selected Device is highlighted.
- Added tooltips to each button in the header.
- Added guide displays for the new feature.
- Fixed an issue where the unique identifier used for license authentication would not change during software updates (when updating from v1.2.0 or v1.2.1 to v1.3.0 or later, you need to deactivate the software before updating, then perform the update and reactivate it).

Ver. 1.2.1

- Digital signature added to the installer.

Ver. 1.2.0

- Added NDI configuration features, including NDI Group (Receiver),External Sources, receive mode (transport protocol), multicast IP addresses range, Discovery Server, Preferred NIC, and NDI Device Alias.
- Added support for NDI Advanced SDK v6.2, enabling NDI Checker to be detected as a Receiver in Discovery Server environments (NDI Control is not supported).
- Added a function to identify the NDI transmission method (Unicast / Multicast), displayed in the Measured Information.
- Reduced the installer size.
- Improved application performance.
- Added support for toggling password visibility (show/hide) when setting the Basic Authentication password in the installer.
- Improved the UI by enabling drag-to-resize of the event log.
- Improved the UI with three selectable screen layout options.
- Added display of the NDI Advanced SDK version on the Help Window.
- Changed to a license authentication method using web system management.
  (An internet connection is required for license activation. After activation, the software can be used offline for up to 30 days. Automatic re-activation is required every 30 days.)
- Changed the software to unify the Trial and Licensed versions into a single application, with operation modes (Trial Mode / Licensed Mode) based on the license authentication result.

Ver. 1.1.0

- Support installation in English.
- Microsoft Edge is supported.
- Improved so that the installer can retry when an error screen appears due to no internet

connection at startup.

- Fixed an issue where the network license could become invalid due to time mismatch in Windows.

Ver. 1.0.0

- New release.

Leader Electronics Corporation

2-6-33 Tsunashima-higashi, Kohoku-ku, Yokohama-shi, Kanagawa, 223-8505, Japan
https://leaderphabrix.com