

NMOSConnect

User Guide v8



November 12, 2025

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1 Introduction

This manual is for NMOS Quick Connect version 8.0 software from Drastic Technologies, Ltd.

1.1 Conventions

This manual assumes the following:

That the user knows how to operate a mouse and keyboard and perform the basic functions of Microsoft Windows, macOS or Linux operating system.

That the user is familiar with the creative software in use.

That the user has access to technicians capable of placing the device on the network and setting up any SAN systems if necessary.

The name of a control or display present on the interface will be displayed in **bold** text.

Where a portion of the manual is referred to the name of section mentioned will be displayed in *italics*.

Certain images in this document may have been grayed out where it is useful or necessary to place indicator marks to show specific controls or displays above a darker background.

1.2 About NMOS Quick Connect

The NMOS Quick Connect utility is an in house application that we have developed to help solve NMOS connectivity issues in the field.

NMOS Quick Connect is a simple app designed to connect all available flows from one NMOS device to another. It is designed to avoid using the NMOS registry or other trappings, so that we can directly connect devices that may have issues with specific NMOS controller providers. It uses an internal mDNS/Bonjour to seek out all the NMOS devices directly, and then as it finds them, it adds senders to the top drop down, and receivers to the bottom.

NMOS Quick Connect also provides multi network access. Some devices do not support a separate control network. When the NMOS Quick Connect utility is on a machine that has access to both (or all) networks, it will pick up the NMOS from all of them. This does mean you will see two devices if they support NMOS on control and video NICs (or more if they support ipv6), but it also means it can connect single/video-only NMOS devices to control only NMOS devices. That is something we have not been able to get our other NMOS orchestrators to do.

It will be included in NetXScope, FlowCaster, and Net-X-Code Server software installs, and available as a free standalone utility.

1.3 System Requirements

1.3.1 Recommended Environment

NMOS Quick Connect software must be installed on a system equal to the minimum system requirements of the software it is being run with.

Minimum Hardware Platform

Post 2000 multi core processor capable of running the host application.

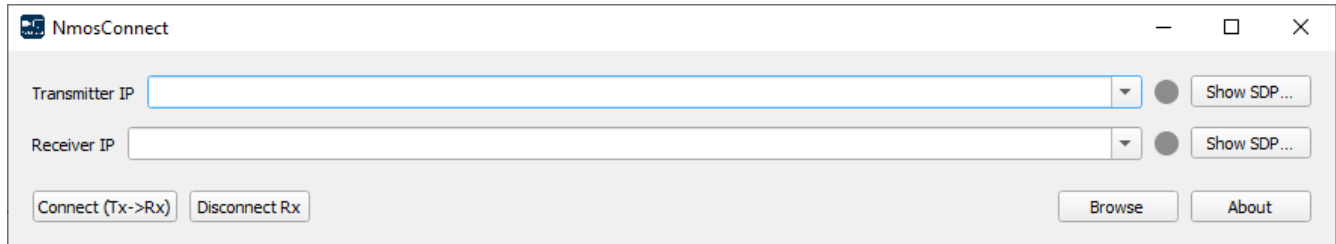
Recommended Hardware Platform

Recommend hardware from the host application vendor. Multi cores and OpenCL, Cuda and shader GPUs will be used if available, but are not absolutely required.

Demo downloads of Drastic software are available for the user to test their application and to confirm their workflow. Faster and more powerful hardware will provide better performance. In some cases, specific hardware will be required in order to enable resource-intensive, advanced or optional features.

2 Running NMOS Quick Connect

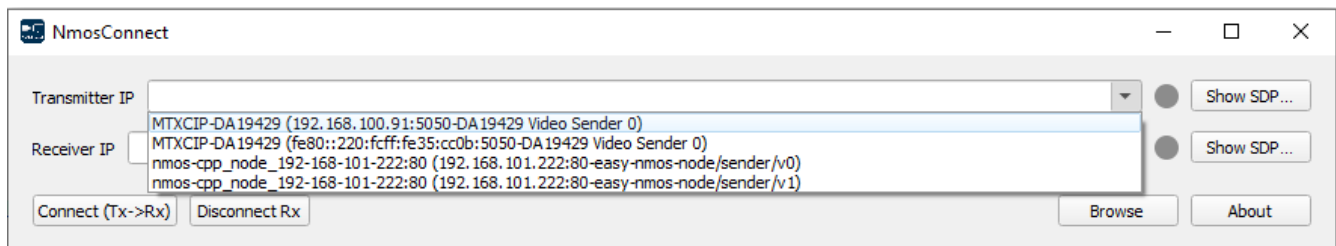
Run NMOS Quick Connect using the link provided in the start menu.



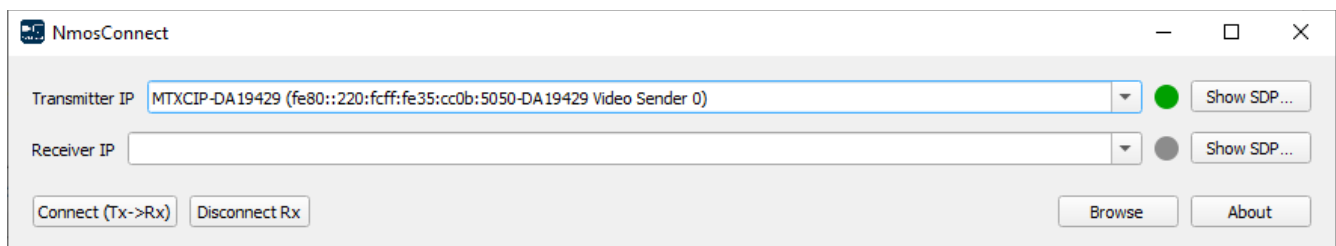
NMOS Quick Connect uses an internal mDNS/Bonjour to seek out all the NMOS devices directly, and then as it finds them, it adds senders to the top pulldown, and receivers to the bottom.

2.1 Transmitter IP

Clicking the **Transmitter IP** pulldown menu shows the transmitters available for connection.

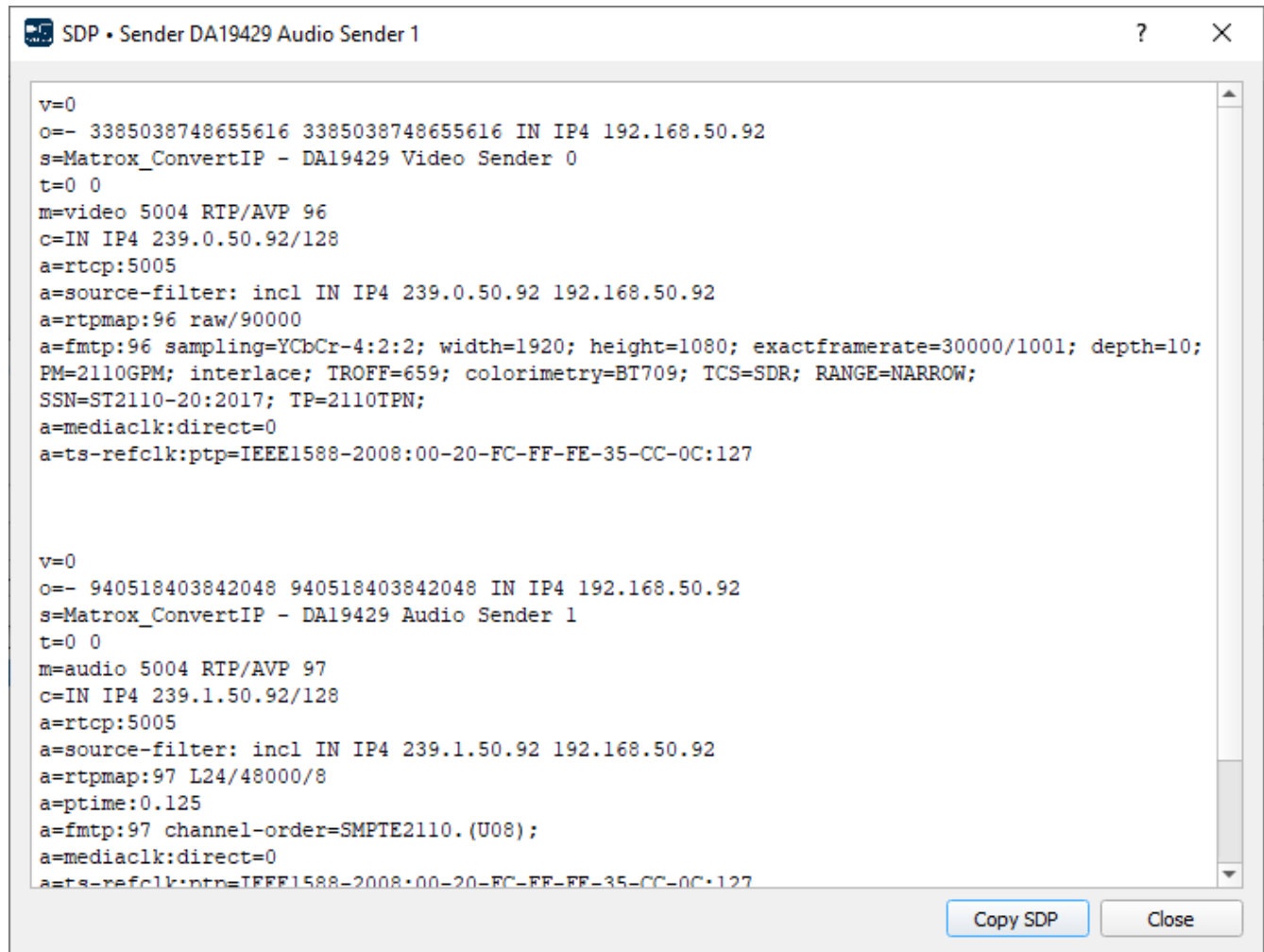


Clicking on a transmitter selects it. When one is selected, if we detect all the NMOS protocols we need, we light up its indicator green.



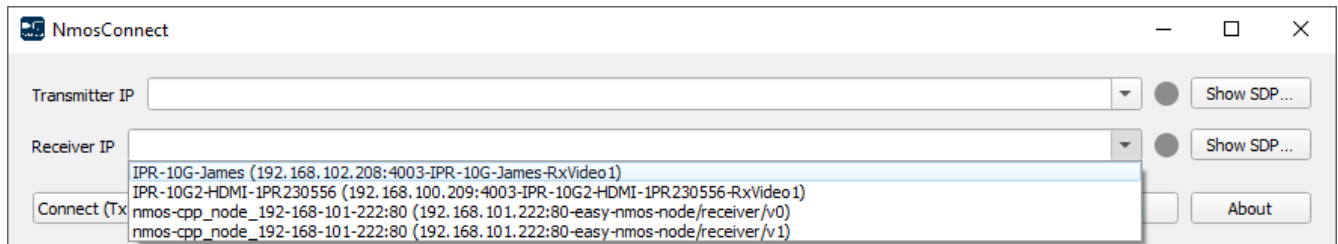
2.1.1 Show SDP

Pressing the **Show SDP** button shows the SDP (Session Description Protocol) details associated with the stream.

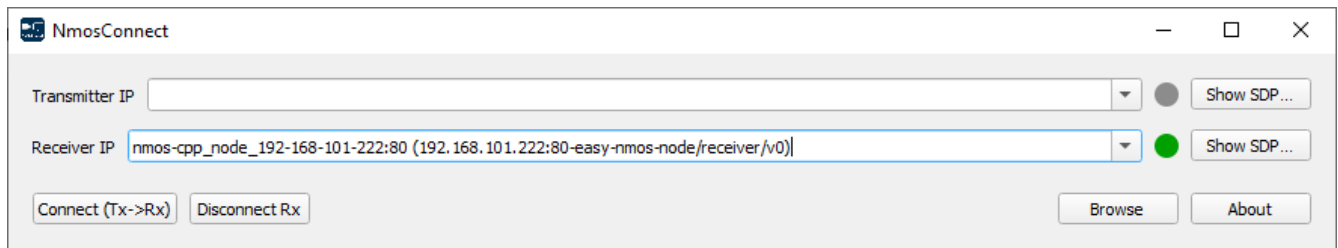


2.2 Receiver IP

Clicking the **Receiver IP** pulldown menu shows the receivers available for connection.

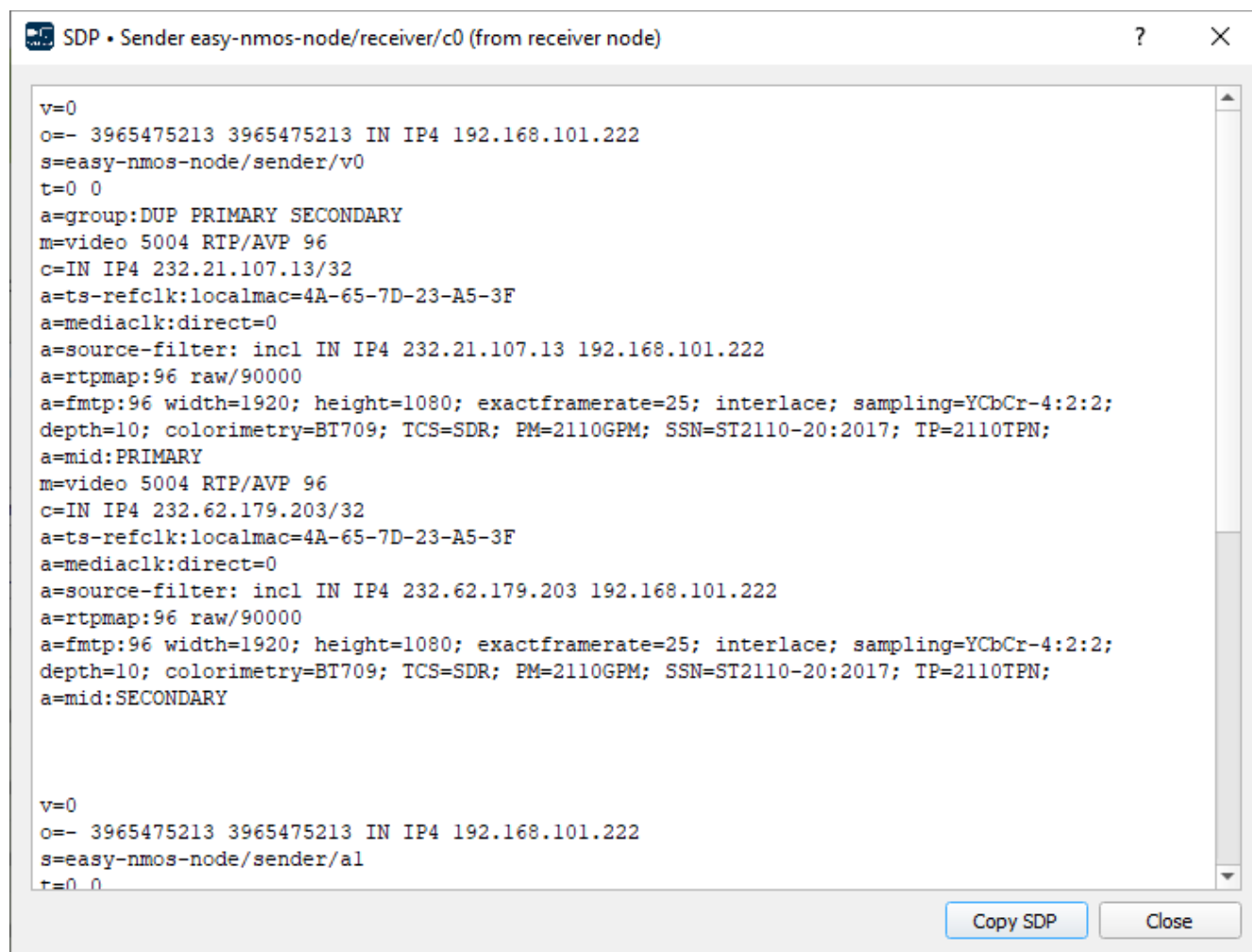


Clicking on a receiver selects it. When one is selected, if we detect all the NMOS protocols we need, we light up its indicator green.

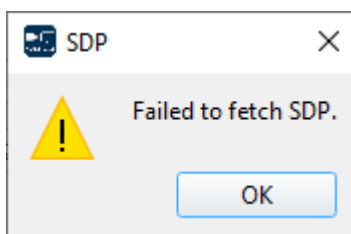


2.2.1 Show SDP

Pressing the **Show SDP** button shows the SDP (Session Description Protocol) details associated with the stream.

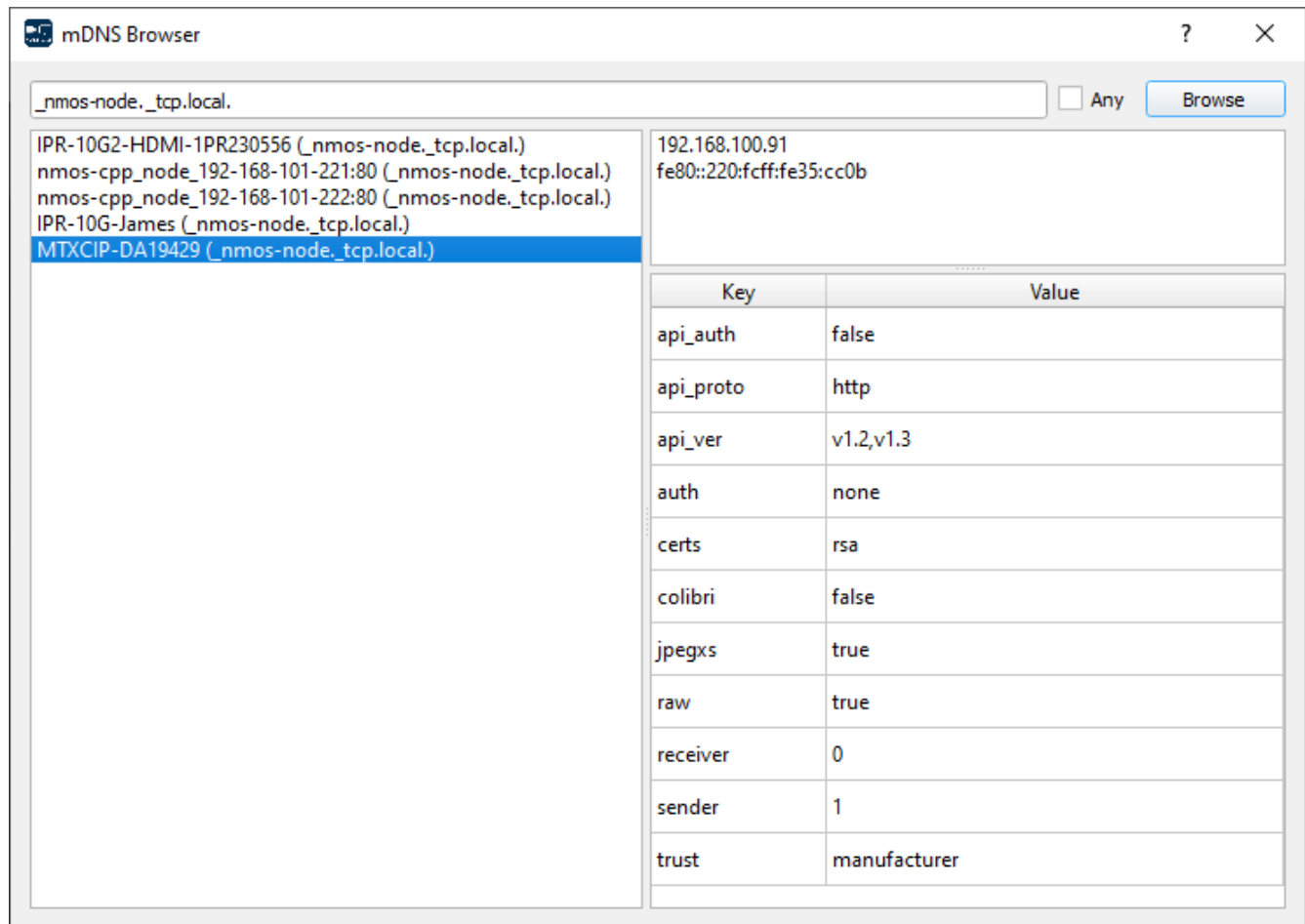


If the SDP details cannot be found or displayed, an error message is displayed.



2.3 Browse Bonjour/mDNS Elements

Clicking the Browse button opens a browser that displays the raw Bonjour/mDNS elements on your network.



Each element can be selected, and its details will be displayed to the right.

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Version 3, 29 June 2007

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