# LDA Discover Tool v3

# User Manual



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## 1 INTRODUCTION

LDA Discover Tool v3 is an application designed to find LDA devices within a local network, regardless of the IP address range to which those devices belong.

This tool facilitates the remote location of devices using *Unicast*, *Broadcast* or *Multicast* transmission method, access device information, and perform basic network configurations.

## 2 INSTALLATION

**System Requirements:** It is compatible with Windows 10 and 11 operating systems. It requires having the .NET 8.0 framework installed, which can be downloaded from Microsoft's official website.

**Download:** The application is available on the official website of LDA Audio Tech Support. You can access its download through the following link: <u>Support - LDA Audio Tech</u>

**Installation:** The application is distributed in a ZIP file. Extract the content and run the LDA Discover Tool v3.0.0.exe file. No additional installation is required.

## **3 OVERVIEW**

LDA Discover Tool v3.0 -										
Discover Options				Device Tools		Network Interface	hernet			
Request Unicast	Response	<ul> <li>Unicast Send To -</li> <li>Multicast/Broadci</li> </ul>	-> 192.168.0.6	Identif	ÿ					
Clear	Auto	Use discover \	/1 (Broadcast) /3 (Multicast)	Config De	evice					
LDA Devices										
Model	FW Version	Serial No.	Location	MAC	IP Address	Static Submask	Static Gateway	lastSee	n	
NEXO	v01.02.00.00	24005651	PA/VA System	80-34-28-7F-FE-8B	192.168.0.9	255.255.255.0	192.168.0.100	07:53:5	1	
NEO8250E+	v03.02.03.00	24005550	PA/VA System	80-34-28-7F-FA-E6	192.168.0.5	255.255.255.0	192.168.0.1	07:53:5	1	
NEO8060+	v03.02.01.02	23008064	PA/VA System	FC-0F-E7-03-29-5C	192.168.0.4	255.255.255.0	192.168.0.1	07:53:5	1	

Figure 1: General interface

## 3.1 Network Interface

LDA Discover Tool v3 can select the network interface of the computer from which the LDA devices scan is performed.

Network Interface	Wi-Fi	$\sim$
	Wi-Fi Ethomat	
	Ethernet 4	

Figure 2: Network interface

From the Wi-Fi network interface, only the *Unicast* mode can be used to discover devices within the network.

## 3.2 Discover Options

Unicast

Point-to-point communication between the PC and the destination address entered. Only supports Discover v3, in other words, it only discovers devices that support *Multicast* traffic.

#### Multicast

Communication is directed only to LDA devices that are subscribed to the *Multicast* LDA Discovery Service 224.0.2.11 address registered with IANA.

Broadcast

Communication is sent to all LDA devices physically connected to the network. Previous series devices, such as NEO or ZES22, only respond to this type of discovery.

This mode uses the technology of the previous LDA Discover Tool v1 application, so the information in the "Location", "Static Submask" and "Static Gateway" columns cannot be displayed.

**Request Unicast Response** 

Requests a unique response from devices. The destination device must have the gateway properly configured to receive its response.

Discover

Perform a search for active devices on the network.

With the "Auto" mode active, the table of discovered devices is automatically refreshed.

Within the table, in the "lastSeen" column, a clock is displayed with the time at which a device was last seen on the network. With the "Auto" mode it will stay active in real-time as long as the device remains visible and active within the network.

Clear

Clear the list of devices found on the network so far.

## 3.3 Device Tools

Identify

It sends a signal to the destination device, causing all status LEDs of the device to flash simultaneously for 5 seconds. In this way, it will be easily located physically within an installation.

Config Device

Displays a table with the device information values.

It allows to modify the basic network parameters of the device: IP Address on devices discovered by *Unicast, Broadcast* or *Multicast,* and Subnet Mask and Gateway only on devices discovered by *Unicast* or *Multicast*.

It is also possible to carry out a *Identify* and perform a device restart using the "Restart Device" button.

Device	
Device Information	on
Model Code	NEXOv2
Model Name	NEXO
Firmware Ver.	v01.02.00.00
Firmware Date	Jun 2 2025, 12:23:03
Bootloader Ver.	v01.00
Serial Number	24005651
Location	PA/VA System
MAC Address	80-34-28-7F-FE-8B
IP Address	192.168.0.9
Static IP Address	192.168.0.9
Subnet Mask	255.255.255.0
Gateway	192.168.0.100
	Cancel
Tools	
Identify	Restart Device

Figure 3: Device Information

For devices discovered using LDA Discover Tool v1 technology, the information in the fields "Model Code", "Firmware Date" and "Bootloader Ver." will also not be displayed.

## 3.4 LDA Devices

#### Indicators

The discovered devices will be listed in the device table and their font will be displayed in a different color depending on their answer:

- Black: The device is responsible for Multicast or Unicast.
- Blue: The device is responsible for Broadcast
- **Red:** The device was detected on the network before but no longer responds. Visible only in Auto mode.

🗱 LDA Discove	r Tool v3.0							- 0	×
Discover Option	ns			Device Tools	Network Interface	thernet		~	
Request U     Discove     Clear	Request Unicast Response     O Unicast Send To> 192.168.0.6       Discover     Image: Auto       Olear     Use discover V1 (Broadcast)		ldenti Config Do	Identify Config Device					
		Use discov	er V3 (Multicast)						
LDA Devices Model	FW Version	Serial No.	Location	MAC	IP Address	Static Submask	Static Gateway	lastSeen	
NEO8250E+	v03.02.03.00	24005550	PA/VA System	80-34-28-7F-FA-E6	192.168.0.5	255.255.255.0	192.168.0.1	07:53:03	
NEXO	v01.02.00.00	24005651	PA/VA System	80-34-28-7F-FE-8B	192.168.0.9	255.255.255.0	192.168.0.100	07:53:03	
NEO8060+	v03.02.01.02	23008064	PA/VA System	FC-0F-E7-03-29-5C	192.168.0.4	255.255.255.0	192.168.0.1	07:53:03	
NEO8250E	v02.42.03.00	50902731	-	00-1E-C0-DD-47-E4	192.168.13.11			07:53:03	
NEO4500E	v02.42.07.00	50902735	-	D8-80-39-5B-D6-E3	192.168.13.12			07:52:52	
NEO8060	v02.42.01.42	50902730	-	D8-80-39-5B-B5-62	192.168.13.10			07:53:03	

#### Figure 4: Device response

Device rows can be highlighted in different colors according to the action performed:

- Blue: The device in that row has been manually selected with the mouse.
- **Yellow:** Notifies that the "Find me" function has been used on the physical device, to locate it within the table.

LDA Discover T	ool v3.0								- 0	$\times$
Discover Options				Device Tools		Network Interface	hernet			
Clear	cast Response	<ul> <li>Unicast Send To&gt; 192.168.0.6</li> <li>Multicast/Broadcast         <ul> <li>Use discover V1 (Broadcast)</li> <li>Use discover V3 (Multicast)</li> </ul> </li> </ul>			Identify Config Device					
LDA Devices	Lever -	Le tim					la cara	la car	11.10	
Model NEXO	V01.02.00.00	24005651	PA/VA System	80-34	-28-7E-EE-8B	192,168,0.9	255,255,255,0	192,168,0,100	07:54:44	
NEO8250E+	v03.02.03.00	24005550	PA/VA System	80-34	-28-7F-FA-E6	192.168.0.5	255.255.255.0	192.168.0.1	07:54:44	
NEO8060+	v03.02.01.02	23008064	PA/VA System	FC-0F-E7-03-29-5C		192.168.0.4	255.255.255.0	192.168.0.1	07:54:44	

#### Figure 5: Device Location

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