

Wenzellabs – NSA Selector

- [Manual PDF](#)
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The NSA Selector Eurorack Module Cheat Sheet

Manual PDF: *No direct PDF provided, content referenced from [N]

Quick Overview

- The NSA Selector is a unique Eurorack module that acts as a Fast
- It does **not** function as a standard audio interface; it does n
- The audio output reflects the raw binary data (bits) present on t

Connections & Controls Reference

Jack / Control	Type	Function
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LAN A (RJ45)	Input/Output	Ethernet network connect
LAN B (RJ45)	Input/Output	Ethernet network connect
AUDIO OUT	Output (TS/Mono)	Analog audio output deri

- **No panel controls**: No knobs, buttons, sliders, or toggles are
- **No CV inputs or outputs**.

Basic Usage Instructions

1. **Patch Network**: Connect two Ethernet devices (computers, hubs

2. **Patch Audio**: Connect AUDIO OUT to desired Eurorack audio input
3. **Send/Receive Data**: Any network traffic passing between LAN A and LAN B
 - Use ping, file transfers, or any unencrypted/unencrypted data
4. **Creative Patching Tips**:
 - Use tools/scripts (included in the GitHub repo) to sequence or trigger patcher modules
 - Streaming uncompressed BMP image files" through the network can be used to control patcher modules
 - You can encode a .wav to raw 4-bit/25MHz (`.nsa` format, delta encoded)
5. **Network Echo/Delay Trick**:
 - Use tcpdump or similar commands (see manual) on a computer connected to either LAN A or LAN B

Reference Summary

- **Ethernet Ports (LAN A, LAN B)**: Bi-directional, 100 Mbps Fast Ethernet
- **Audio Output**: Analog, mono, 4-bit digital interpreted through a digital-to-analog converter
- **No direct voltage or CV integration.***

Example tcpdump Commands (for Network Echo):

```
```sh
tcpdump -ni eth0
tcpdump -nvi eth0
tcpdump -nvi eth0 icmp
tcpdump -nvxi eth0
tcpdump -nxi eth0 not port ssh
```

Use these on a connected computer to maximize/modify traffic for creative results.

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### For more documentation/tools:

- [NSA Selector GitHub Repository](#)
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