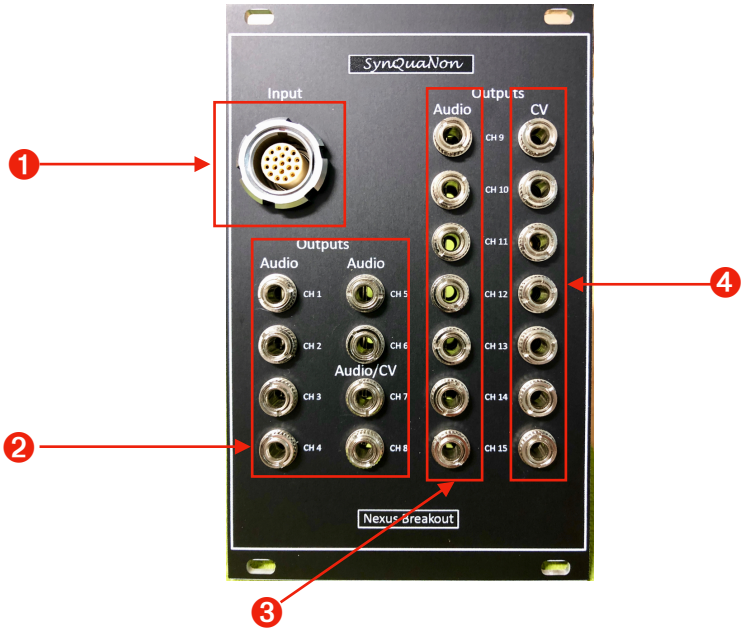
# Nexus Input Breakout Module

## Introduction

Congratulations on your purchase of this SynQuaNon product!  It is our belief that our products will enable you to find new and interesting ways to create custom sounds with your synthesizer and other SynQuaNon modules.  Check out our full line at www.synquanon.com.

**Module front panel overview**




| | |
|---|---|
| ❶ Input | LEMO-compatible 19-pin jack. |
| ❷ Outputs | Channels 1-6 are dedicated to audio only.  The outputs on jacks 7, 8 depend on the connections set in the Nu Multi guitar (7- and 8-string audio or CVs). |
| ❸ Audio outputs | Jacks dedicated to audio as selected on back of module. |
| ❹ CV outputs | Jacks dedicated to CVs as selected on back of module. |

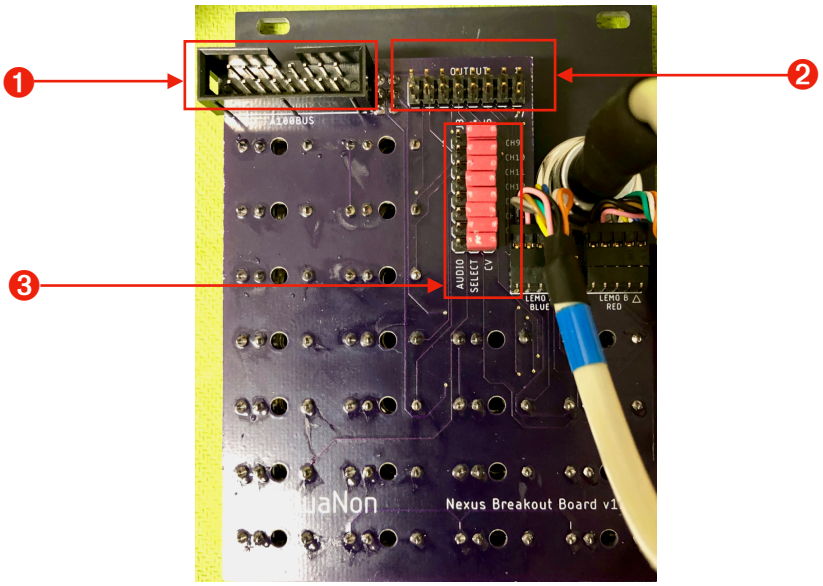
## Overview

The Nexus Input Breakout module receives signals from a guitar equipped with Cycfi Research Nu Multi pickups and makes the 15 audio/CV channels available for modular processing.

Channels 9-15 are assignable to audio or CV jacks via a header on the back of the module.

Ideal for guitar single-string processing.

**Module rear panel overview**




| | |
|---|---|
| ❶ A100 Bus | Keyed power connection with reverse polarity protection. Red stripe is on the left. |
| ❷ Output Header | Signals from the output jacks are available on this header for patch cable-free connections to other SynQuaNon modules. |
| ❸ Output Select | Direct signals on channels 9-15 to either audio or CV jacks on the front panel. |

## Features

- Outputs for each signal in the 19-pin LEMO interface (audio/CV).
- Provides +12V power to Cycfi Research Nu Internal Breakout Board.
- Pairs well with 13-Pin Output Breakout, Hex VU Meter, 7-Channel Amplifier-Attenuator.

## Technical Specifications + Downloads

| | | |
|---|---|---|
| Width | 16 HP | |
| Depth | 40 mm | |
| Power | * mA @ +12V | * Depends on electronics in Nu Multi guitar |
| | 0 mA @ -12V | |
| | 0 mA @ +5V | ModularGrid Nexus Input Breakout |

Reverse power protection, resettable fuses, extensive power supply filtering.

## Support

In case of difficulty:

1. Make sure power is available to the Eurorack and that it is turned ON.
2. Check the rear module power connection (turn OFF Eurorack power first)
3. Check patch cables for continuity or shorts.
4. Check level settings on front panel. Check gain select header on rear of module for proper gain range selection (turn OFF Eurorack power first).

For additional information please feel free to contact us at support@synquanon.com