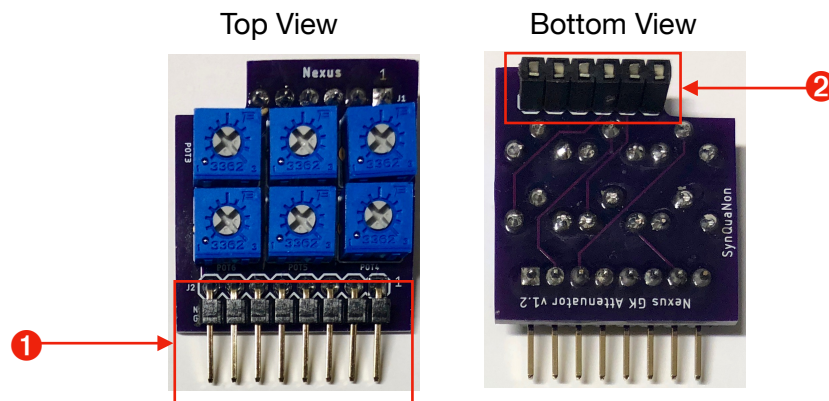


# Nexus GK Attenuator

## 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](http://www.synquanon.com).

### Module front panel overview



#### 1 Outputs

8-Pin header for attenuated channel outputs. Pins 1-6 are channels 1-6; pins 7-8 are ground connections. Typical connections include a) Synth-Linx GK cable assembly, or b) cable connections to Roland GK-KIT-GT Internal GK Board. See SynQuaNon Nexus GK Upgrades for more information.

#### 2 Inputs

This female connector plugs directly onto the channel 1-6 header pins on the Nexus Main Board.

## Overview

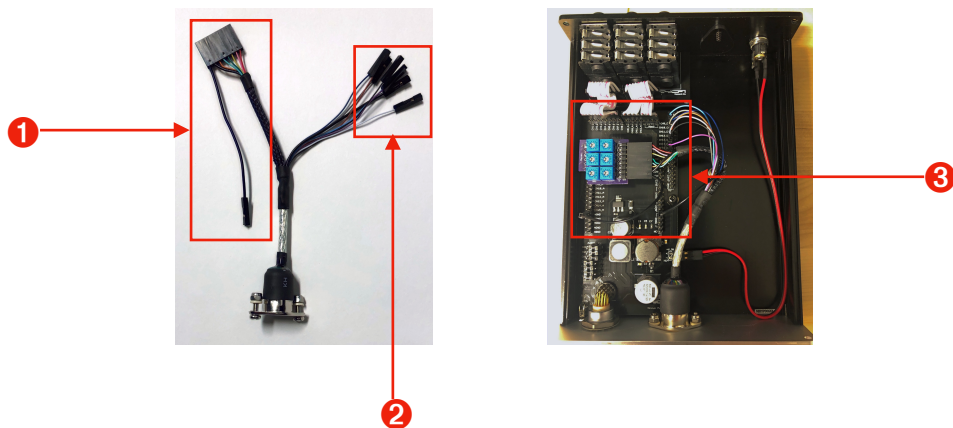
The GK Attenuator installs in a Cycfi Research Nexus® Breakout Box between the incoming string audio channels and a user-installed Roland/BOSS GK 13-pin jack or GK Internal Kit.

Allows for better signal level matching between Cycfi Research Nu Multi® pickups and Roland/BOSS guitar synthesizers.

A custom Synth-Linx® GK cable assembly is also available for DIY GK jack installation. This cable has a connector for the GK attenuator and signal ground, along with individual connectors for all other 13-pin signals. The latter allows one to customize the Nexus® channels used for GK control voltages and power.

Note that you will need to drill the Nexus® front panel in order to install the Synth-Linx® Jack. See Nexus® GK Upgrade Custom Installation if you prefer to have SynQuaNon perform the installation.

### Optional Synth-Linx GK cable assembly



- |                          |   |
|--------------------------|---|
| <b>1</b> GK Attenuator   | 8-Pin female connector for GK Attenuator output; single cable connects to Analog ground on Nexus Main Board.  |
| <b>2</b> GK CV and Power | Single-pin connectors for GK control voltages and power. These may be assigned to any free Nexus channels. See table below for identification by color and pin. |
| <b>3</b> Installation    | View of typical installation inside Nexus without MIDI board.   |

Color	Function	Pin	Color	Function	Pin
Light blue	Mag pickups	7	White	SW2	11
Dark blue	GK VOL	8	Black	+ 7V	12
Gray	MIX SW	9	Purple	- 7V	13
Brown	SW1	10	Black thick	Ground	Shield

## Features

- Passive design, will not modify signal characteristics.
- Six string audio channel signals can be attenuated via single-turn trimpots.
- Plugs directly into Nexus® channel breakout headers inside the enclosure.
- Output header for GK string signals (custom cable required for GK jack or GK Internal Kit).

## Technical Specifications + Downloads

Width 27 mm

Length 25 mm

Height 8 mm

Power 0 mA @ +12V

Unit draws no power

0 mA @ -12V

0 mA @ +5V

## 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](mailto:support@synquanon.com)