



Take it Carefully

⑥ Jumpers - piezo vs. foam

Most drum pads are based on piezo sensors, however some are based on conductive foam. These were tested and they work even with the jumpers configured in the Piezo position, but the foam position of the jumpers is a dedicated option. Also sometimes DIY drum pads can be created by using conductive foam and pieces of metal (just Google: DIY drum pads) and therefore special conditioning circuitry at the input is required. This conditioning can be adjusted by setting both jumpers into the foam position for each channel A or B.

Compatibility

The Kong accepts virtually any type of analog drum pad signal or any type of audio signal from piezo sensor. It is designed to analyse analog signal of a soft surface being hit by drum stick. With these signals it will respond the best. If your drum pad claims it can be used with standard drum pad interfaces and sound units it should also work with the Kong. Every simple analog drum pad outputs signals of different velocities and from any type of pad the data about velocity could be obtained. However it very much depends of physical shape and construction of such a pad to get the most resolution on the velocity scale. Therefore not only adjusting the Gain knob will help to achieve the best resolution. Also adjusting the pads physically could make a difference (think of adding felt pillows etc.).

features

- 2 independent channels
- fully analog core
- gain knob per channel
- audio output after the gain stage
- trigger output with LED indication
- velocity CV output
- low drift sample & hold for velocity

technical details

- 5HP width
- PTC fuse and diode protected 10pin power connector
- 55mm deep (with power cable connected)
- current consumption: +12V: <50mA, -12V: <60mA

Connecting module to your system

Before connecting the ribbon cable to this module disconnect your system from power !

⚠ Double check the polarity of the ribbon cable and that it is not shifted in any direction. the red cable should match the -12V rail both on the module and on the bus board !

please make sure of the following

- you have a standard pinout eurorack bus board
- you have +12V and -12V rails on that bus board
- the power rails are not overloaded by current

Although we put protection circuits in the device, we do not take any responsibility for damages caused by wrong power supply connection. After you connected everything, double-checked it and closed your system, so no power lines can be touched by hand, turn on your system and test the module.

