

# Konga Trigga

Konga > Mic > Preamp > Schmitt Trigger > uController + KeyboardNotes Input = Drum Triggerd Notes

## Introduction

### Features

- convert Microphone - Pulses to Midi-Drum/Melody-Retrigger

===== **Hardware Requirements** ===== PCB:

\* **Audio PCB** \* **DipCoreF4 PCB** \* **UI PCB** Midibox:

\* [dipcoref4](#)

\* **Soldering Iron, Wires, PCB....**

\* **USB Power Supply** Schmitt-Trigger:

\* **TS-274 OP-Amp**

\* **14 Pin - DIP-Socket**

\* **Pin-Header 2x5Pins (to connect the PCB to Core J5A)(you will also need a cable 4 that)**

\* **Resistor R1 22K**

\* **Resistor R2 4K7**

\* **Resistor RFB 100K**

\* **Resistor for Output-Gain-Reduction 100K**

\* **2x Electrolyt Capacitor 0,67uF (to decouple audio in and out)**

\* **Electrolyt Capacitor 10uF for Supply**

\* **Capacitor 100nF to denoise the OP-Amps-Rails...**

\* **2 Audio Cables+Sockets for the connection to the Recorder (6,3 mono jacks) =====**

**Firmware =====** [V0.2018clk2a2clk.zip](#)  **write code =====** **How I Use**

**It - built in Rack =====** **Resources =====** [Schmitt-Trigger-Calculator](#)

**=====** **Community users working on it =====** \* [Phatline](#)\*\* = Programming,

Documentation...

Just let a Private message on the forum to user already involved

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