



SAMPLELICER MK2

a 12-bit Monophonic Sampler



Introduction

SAMPLESLICER is a real-time 12bit monophonic sampler, which operates under a 16 step voltage-controlled sequencer. When incoming sound is recorded to the internal memory, it is chopped up automatically into 16 parts by the incoming clock signal and spread over the 16 steps of the internal sequencer.

Overview

- Eurorack size (3U)
- Width: 16HP
- 94 mA +12V, 18 mA -12V (no 5V needed)
- skiff-friendly (only 25mm in depth)

Installation

Plug one end of your ribbon cable into your bus board (or flying bus board) with a red stripe on the ribbon cable aligned to the side that indicate -12v and the other end to the power header of the module with the red -12V side indicated. PLEASE TURN OFF YOUR CASE POWER before beginning installation or you will risk damaging either the module or your case.

Support

Please visit GINKOSYNTHESE website at <https://www.ginkosynthese.com> for the latest news, updates, additional info, firmware updates or via email info@ginkosynthese.com.

This manual is written by Wilson Leywantono with help of Jan Willem (GINKOSYNTHESE).

Interface and Basic Operation

SAMPLE, TRIGGER

Press the sample button or send a trigger to initiate audio recording into the internal memory.

Sample time ranges from a fraction of a second to a maximum of 15 seconds. Once recorded, the audio is chopped up automatically and divided into the internal 16 segments

It is important to note that the internal memory is cleared between power cycle.

CLOCK, SPEED

The **CLOCK** input is the heart of what makes SAMPLESLICER unique.

It functions to determine the rate in which SAMPLESLICER move within the segments (16 in total) of the sequencer during recording or playback of the audio sample.

SPEED allows the ability to divide the incoming **CLOCK** further. When set at 1, it 1/1 ratio to the incoming clock and becomes faster at 1/2, 1/3, 1/4, and 1/8 as you turn the knob CCW (counter clockwise). **SPEED** input takes 0-5V.

PITCH, pitch mode, ATT

This allows you to increase/decrease the pitch of the audio sample via knob or CV input with the ability to attenuate the CV through **ATT**. **PITCH** input takes .

Additionally, there are four **pitch modes** that change **PITCH**'s behaviour: (with the LED indicated by **pitch mode**)

1. PITCH AND CV IS ORIGINAL WHEN SET TO 0 (NOON).
2. PITCH AND CV IS ORIGINAL WHEN SET TO 0 (2/4).
3. PITCH AND CV IS ORIGINAL WHEN SET TO 0 (3).
4. PITCH AND CV IS ORIGINAL WHEN SET TO 0 (2/4) with 1V/oct function.

Bonus (extra mode): KNOB AND CV HAS NO EFFECT (NO LED on **pitch mode**)

START

This allows you to change the start point of the audio sample playback within the 16 segments sequence (indicated by the 16 LED). **START** input takes 0-5V.

LENGTH

This allows you to varies the length of the audio sample playback from 1-16 segments sequence (indicated by the 16 LED). **LENGTH** input takes 0-5V.

AUDIO

IN

Audio input of SAMPLESLICER with the ability to set the gain stage via the GAIN trimmer pot before recording.

OUT, GAIN

Audio output of SAMPLESLICER.

GATE

This allows you to set SAMPLESLICER to output audio as long as a gate is high in the CV input.

MODES (LOOP, 1 SHOT)

LOOP

This mode sets SAMPLESLICER to loop the sample continuously when no gate is patched into the **GATE** input. However, this behaviour changes when a cable is patched into the **GATE** input.

When a short gate or trigger is present in the **GATE** input, it will play the sample and stop at any point in the sequence based on the length of the gate. When a long gate is present in the **GATE** input, it will play the sample in continuous loop for as long as the gate is high.

1 SHOT

This mode sets SAMPLESLICER to only play the sample once when a gate is present in the **GATE** input.¹ SAMPLESLICER will complete the sample regardless of the length of the gate patched.

AUTO

This mode allows you to listen to the audio while it is being recorded into SAMPLESLICER.

SAMPLE

This mode allows to mute the audio while it is being recorded into SAMPLESLICER.

¹ Unpatch the cable from **GATE** input to make SAMPLESLICER completely silent.