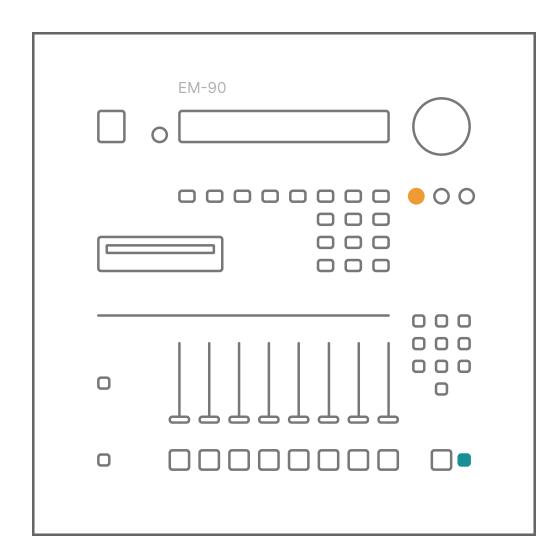superlunar

EM-90

User
Manual

v0.01

Install

Requires Ableton Live 11+ (Standard or Suite Editions)

If you need help, or have questions, please contact us at **hi@suprlunr.com**

Installation

First, extract the downloaded Zip file. There are three simple ways to install EM-90.

— Double-click the EM-90.adg file.

— Drag the EM-90.adg file into Ableton Live.

— Click "Add Folder..." under Places in the Ableton Live Browser.

Use

EM-90 is designed to emulate the iconic sounds and characteristics of legendary 12-bit samplers of the 80s and 90s.

Get the warm, gritty, punchy sounds of the legendary E-mu SP-1200 and Akai S950 samplers. Give your drums and instruments that lo-fi sound with 12-bit resolution, digital aliasing artifacts and dust, and a steep 6th-order low-pass filter similar to the legendary filter in the S950.

Dial in the perfect lo-fi sound with EM-90's simple interface.

Input
Adjusts the input level. You can drive the input to get fat analog-style saturation, similar to driving the input of a vintage sampler.

Rate
Controls the sample rate from 40kHz to 3.5kHz. Lower the rate to get more crunch and artifacts.

Detune
Adjusts the pitch of the signal down to -12 semitones. Digital artifacts emerge the more the signal is detuned.

Aliasing
Adds digital aliasing, similar to what you get on 12-bit samplers when a pitched-up sample is detuned.

Dust
Adds artifacts that sound like dust. The dust is more pronounced in lower sample rates.

Comp
Controls the amount of hard parallel compression and will add soft clipping on hot input signals.

Meat
Enhances the low-end frequencies and adds some crunchy distortion to the mid-high frequencies. Use in conjunction with Comp to add body and weight.

Filter
A steep 6th-order low-pass filter sweepable from 14kHz down to 200Hz.

Mono
Converts a stereo signal to mono. Move the dial full clockwise for mono and full counterclockwise for stereo.

Output
Adjusts the output level.

Presets
Included are 6 sampler presets for the S950, SP-1200, MPC60, EPS, Emax, and RZ-1. They're modeled based on the specs and characteristics of these legendary samplers.

The Emax and RZ-1 have different bit rates, so the presets for these samplers reflect their specs. The Emax preset switches EM-90 to 13-bit, and the RZ-1 preset switches it to 10-bit. You can switch back to 12-bit by selecting the other presets.