

SSS1
'SOUND SYSTEM SIREN'
USER MANUAL

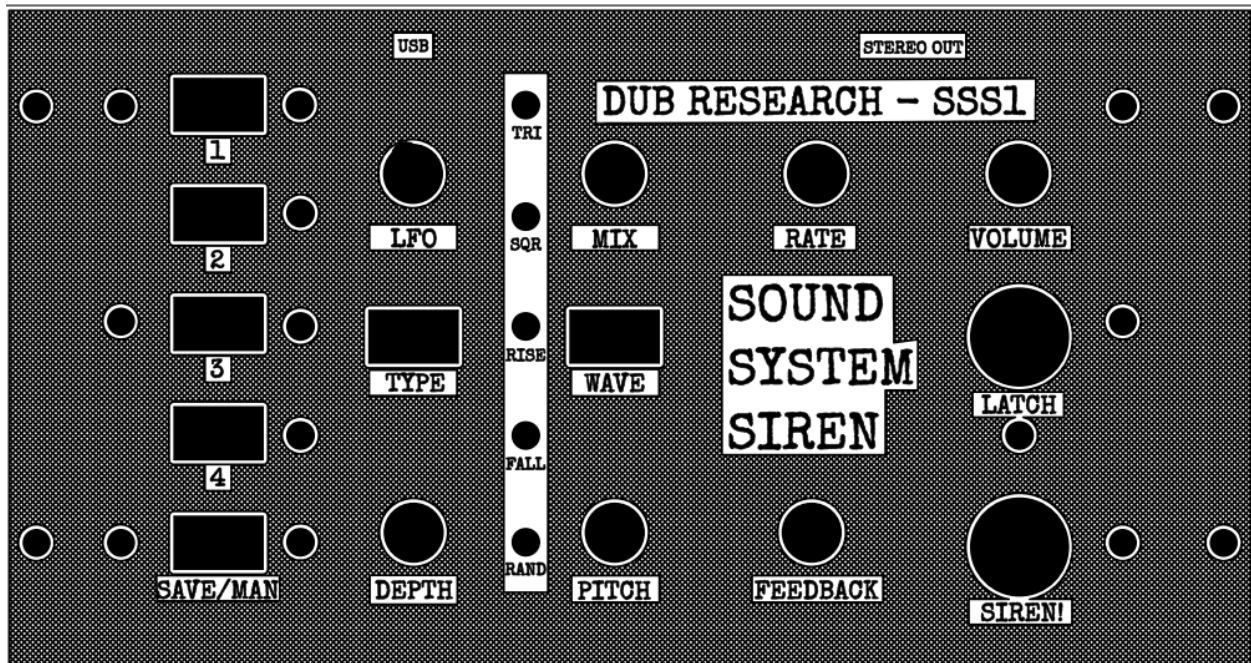
Dub Research, Vl, January 2026

Introduction

The SSS1 is a siren FX machine, an extension on the concept of the original NJD siren inna year 3000 style.

Siren sounds can be sculpted, saved, triggered and sent to the built in delay. Whilst traditional siren sounds can easily be sculpted, this device will give you further ability to create new and interesting siren sounds, from soft and delicate, to harsh and destructive.

The siren is unashamedly digital in design, but with some analog bits along the way. I hope this siren will continue to keep moving sound system fwd!



Overview

The siren operates in 4 sections

1. *The Siren:* Audio comes from a simple 'low frequency oscillator' sometimes referred to as an 'LFO' modulating an audio oscillator. The LFO control controls the rate, or speed of the modulation, depth controls how much, and then pitch controls the overall pitch over the audio oscillator. The type of LFO and type of Audio oscillator can be changed using the respective buttons. Whilst a simple design, it can provide a wide sound palette with very little control. The Siren can be triggered momentarily using the 'SIREN!' button, or toggled on/off using the 'LATCH' button.
2. *Presets:* 4 user presets are available, which save whatever siren you have sculpted. Find the siren sounds you like, save them, easily trigger them later in the dance. When in manual mode, the current siren sound can easily be saved by holding the 'SAVE/MAN' button and then the preset (1-4) that you would like it stored to, LEDs will indicate that the preset has been saved. You can jump between presets or switch back to manual mode on the fly, to create complex, evolving fx. It is worth noting that the memory inside the siren has a lifespan of approximately 100,000 writes. This basically means you could save 10 presets every day for the next 27 years before the memory starts to deteriorate. Once this happens, the siren will still function fine and will revert back to the preinstalled presets in this instance, however I think it is unlikely anyone will reach this point.
3. *Delay:* The dubby lofi delay consists of a dry/wet mix to control the amount of siren/delay. A rate control, which can go from very fast, BBD style rates, to very long rates (note at longer rates things get a little crunchy, in a nice way). A feedback control, to get those nice long trailing repeats. With a bit of care on the feedback control, and long rates, near loop style effects can be created.

4. **Output:** The output consists of a single volume control and 3.5mm stereo jack on the rear panel. Therefore, output is in stereo. 3.5mm was chosen as 3.5mm to RCA cables are common and cheap, easy to plug in to mixers, audio gear, even portable speakers (using a 3.5mm to 3.5mm cable) so you can annoy people in the park.

It is worth noting that the siren is powered from a micro-usb connector, it doesn't draw much current and can be powered from a phone charger, battery, even the little usb ports on the bus.