Marionette Bass+ Manual

SV Modular

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Marionette Bass+ Users Manual

Figure 1: Marionette Bass+

Marionette Bass+ is an improved version of DrumKit's Marionette Bass: a hybrid bass drum synthesizer that couples 15 curated bass drum samples with an oscillator providing a wave consisting of a sine and square wave generator, and a sub-oscillator consisting of a sine and square wave generator that can be set 1 or 2 octaves below the main drum frequency.

In addition, Marionette Bass+ contains two Baronial+ envelope generators: one for overall frequency of the bass drum, and one for overall amplitude of the bass drum.

Frequency and Amplitude

The Frequency and Amplitude envelope generators consist of Baronial+ envelope generators.

Each of these consist of four phases.

Attack

The attack parameters control the speed in which the envelope opens fully, along with the shape of the attack. The attack shape can be either *Linear* or *Curved*.

Decay

The decay parameters control the speed in which the envelope goes from the final attack voltage and the voltage level for the *Sustain* phase. The decay shape can be either *Linear* or *Curved*.

Sustain

The sustain parameters control the length and voltage level of the *Sustain* phase. This acts as a plateau for the voltage between the *Decay* and *Release* phases.

Release

The release parameters control the speed in which the envelope goes from the *Sustain* phase to the closure of the envelope. The release shape can be either *Linear* or *Curved*.

Direction

Direction controls the direction of the overall envelope.

Shape

The *Shape* parameter controls the wave shape of the synthesis engine. The left side is 100% sine wave, and the right side is 100% square wave.

Blend

The *Blend* parameter controls the blend between the sample and the synthesized wave.