SONIC SWEEP

1.0.0

USER MANUAL

TABLE OF CONTENTS

1.1 INTRODUCTION

Welcome to Rave Generation: Sonic Sweep. This tool combines nostalgic mid-nineties mixing console vibes with modern sound innovation. Enhance your audio with gain distortion and mid-sweep filters across 3 channels, or enable the "Tone" knob to let you capture the classic console essence and effortlessly enrich your input signal. Sonic Sweep refines compositions, fine-tunes vocals, and adds depth to synths. Explore its features in this manual to unlock its potential in your music.

2.1 USER INTERFACE - MAIN CONTROLS

The 'Rave Generation: Sonic Sweep' effect plug-in offers an intuitive user interface that enables you to shape your audio in creative and exciting ways. Explore the main controls below to unlock the full potential of your sonic journey.

1. TRIM:
Control the input volume with the TRIM knob, ranging from -40.00dB to 0.00dB. Fine-tune your audio levels with precision.

2. TONE:
Embark on a sonic adventure by pressing the TONE button. Experience the unique impulse responses with feedback noise from an analog mixing console circuit, adding a touch of magic to your audio.

3. GAIN IN
Adjust the input gain with a range from Infinity to +40dB. This emulation of an analog mixing console circuit adds warmth and character to your audio. Dialing further the signal gets overdriven and clipped creating harmonious gain distortion.

4. HI MID:
Fine-tune your audio with a ±15dB equalization control. This true 3-control parametric design allows precise adjustments to the high-mid frequencies.

5. HI MID FREQ:
Modify the frequency of your high-mid adjustments using a range from 500Hz to 18kHz. Find the sweet spot that suits your mix perfectly.

6. BAND WIDTH OCTAVES:
Shape the width of your equalization bands with this knob, ranging from 3 octaves to 1/12 octave. Achieve the right balance and clarity in your sound.

7. LO MID:
Utilize ±15dB equalization control for the low-mid frequencies. This semi-parametric equalizer with a broad, fixed bandwidth of 2 octaves lets you sculpt your audio precisely.

8. LO MID FREQ:
Adjust the low-mid frequency within the 45Hz to 3kHz range. Tailor your sound to match your creative vision.

9. LO EQ:
Shape the low-end of your audio using this ±15dB fixed 80Hz shelving equalizer. Adding depth to your mix.

10. HI EQ:
Enhance high-frequency elements using the ±15dB fixed 12kHz shelving equalizer. Bring out the brilliance and sparkle in your tracks.

11. EQ IN:
Engage or disengage the EQ knobs on the channel with this button. Quickly toggle between the enhanced and original audio.

12. LOW CUT:
Activate an 18dB/octave low-cut (high-pass) filter by pressing this button. With a -3dB point at 75Hz to eliminate unwanted low frequencies.

13. EQ FLIP:
Flip the signal flow of the EQ SECTION and CLIPPER with this switch. Experiment with unique signal routing configurations.

14. FADER:
Control the channel volume with a fader that ranges from Infinity (∞) to +10dB. Achieve the perfect mix balance effortlessly.

15. BYPASS:
Mute the channel instantly using the BYPASS button. Ideal for comparing the processed and unprocessed sounds.

16. MIX:
Blend your input signal with the processed output signal using the MIX knob, adjustable from 0% to 100%. Discover the ideal blend for your project's needs.

17. OUTPUT:
Adjust the output volume with the OUTPUT fader, ranging from Infinity (∞) to +10dB. Ensure your final mix is at the desired level.

18. PRESETS:
Explore a rich collection of factory presets crafted by various artists. Instantly access a range of sonic textures and creative possibilities at your fingertips.

2.2 USER INTERFACE - ADDITIONAL CONTROLS

RESET KNOB:
Double clicking a knob or fader will reset its value. This action will restore the knob or fader to its default or initial position. Alt + click also works (MacOS: 'option' + click).

PRECISE MOVEMENTS:
Holding down the 'control' key while adjusting a knob or slider will enable you to make precise movements. (MacOS: 'control' and 'command' both work.)

3.1 SIGNAL FLOW

```
                ┌──────────┐      ┌──────────┐      ┌──────────┐
                │ GAIN IN  │      │ GAIN IN  │      │ GAIN IN  │
                └────┬─────┘      └────┬─────┘      └────┬─────┘
                     │                 │                 │
  ┌────────┐    ┌────┴─────┐      ┌────┴─────┐      ┌────┴─────┐    ┌────────┐
  │ INPUT  │    │ CLIPPER  │      │ CLIPPER  │      │ CLIPPER  │    │ OUTPUT │
  └───┬────┘    └────┬─────┘      └────┬─────┘      └────┬─────┘    └────────┘
      │              │                 │                 │
      │         ┌────┴──────┐     ┌────┴──────┐     ┌────┴──────┐
      │         │HI MID GAIN│     │HI MID GAIN│     │HI MID GAIN│
      │         │  FREQ     │     │  FREQ     │     │  FREQ     │
      │         │ B/W OCT   │     │ B/W OCT   │     │ B/W OCT   │
      │         │           │     │           │     │           │
      │         │LO MID GAIN│     │LO MID GAIN│     │LO MID GAIN│
      │         │  FREQ     │     │  FREQ     │     │  FREQ     │
      │         │           │     │           │     │           │
      │         │ LO 80Hz   │     │ LO 80Hz   │     │ LO 80Hz   │
      │         │ HI 12K    │     │ HI 12K    │     │ HI 12K    │
      │         └────┬──────┘     └────┬──────┘     └────┬──────┘
      │              │                 │                 │
  ┌───┴────┐    ┌────┴─────┐      ┌────┴─────┐      ┌────┴─────┐    ┌────────┐
  │  TRIM  │    │ LOW CUT  │      │ LOW CUT  │      │ LOW CUT  │    │ OUTPUT │
  │        │    │  75Hz    │      │  75Hz    │      │  75Hz    │    │ FADER  │
  └───┬────┘    └────┬─────┘      └────┬─────┘      └────┬─────┘    └────────┘
      │              │                 │                 │
  ┌───┴────┐    ┌────┴─────┐      ┌────┴─────┐      ┌────┴─────┐    ┌────────┐
  │  TONE  │    │ FADER    │      │ FADER    │      │ FADER    │───▶│  MIX   │
  └────────┘    └──────────┘      └──────────┘      └──────────┘    └────────┘
```