Reflex-1

Digital Reverb

Description

The Reflex-1 plugin is a digital reverb unit designed to provide a wide range of acoustic effects. This plugin offers several reverb algorithms that simulate different environments, from small rooms to large rooms and sets. With its intuitive interface and precise controls, Reflex-1 allows users to shape the sound in great detail.

Parameters

1. **Pre-Delay (ms)** : Controls the delay time before the reverb begins. Range: 0 to 100 ms.

2. **Time(s)** : Adjusts the total duration of the reverb. Range: 0 to 10 seconds.

3. **HPF (Hz)** : High-pass filter that attenuates low frequencies. Range: 0 to 1000 Hz.

4. **LPF (Hz)** : Low-pass filter that attenuates high frequencies. Range: 1000 to 10000 Hz.

5. **Wide (%)** : Controls the stereo expansion of the reverb. Range: 0 to 100%.

6. **Mix** : Balance between the dry signal (original) and the wet signal (with effect). Range: 0 to 1.

Display Screen

- **Next Bank** : Displays the next bank of available presets.

- **Next Program** : Displays the next preset available on the current bank.

- **Loaded Program** : Displays the name of the currently loaded preset.

- **Reverb Type** : Displays the selected reverb type (Ambience, Small Room, Medium Room, Hall, Plate).

Usage Tips

1. **Using Algorithms** : Experiment with different types of reverb to find the one that best suits your project. For example, "Ambience" is great for adding a subtle touch of space, while "Hall" can create a larger, more resonant ambiance.

2. **Pre-Delay Adjustment** : Use the pre-delay control to create virtual distances between direct sound and reverb. This can be useful for giving depth to individual vocals or instruments.

3. **Filter Control** : HPF and LPF filters allow you to shape the tone of the reverb. Use HPF to reduce boom on frequent bass, and LPF to prevent reverb from being too bright.

4. **Stereo Expansion** : The "Wide" control can help you expand the stereo field of the reverb, creating a more spatial and immersive feel.

5. **Dry/Wet Balance** : Adjust the mix between dry and wet signal to achieve the perfect ratio of effect in your mix.

Acknowledgments

This plugin is based on technology and libraries created by Tukan Studios. Special thanks to John Matthews for his amazing plugins. On that basis, Edu Serra has added and modified design features.

Summary

The Reflex-1 plugin is a versatile tool for any audio producer looking to add depth and space to their productions. With its ability to emulate a variety of acoustic environments and its precise controls, Reflex-1 is an excellent choice for pitch correction, instrument modeling, and general mixing. Its ability to adjust reverb in great detail makes it an indispensable tool for achieving high-quality audio production.