

Downmix Matrix (12 ch)

Applicability

This description applies to the Downmix Matrix module used by the Downmix Matrix Processor.

Overview

Downmix Matrix is a module for matrix-based conversion from a higher-channel input format to a lower-channel output format. It provides input format selection, per-input contribution control, output gain, and limiter-related controls.

Processing Principle

The module maps input channels to output channels using destination assignments and destination gains. Additional (optional) input controls can adjust delay, gain, polarity, and mute state before the matrix contribution is applied.

Parameters

Downmix

Input

Input Format

Custom

Downmix Matrix

	L	R	C	LFE	LSS	RSS	LRS	RRS	LTF	RTF	LTR	RTR
1 L	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
2 R	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
3 C	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
4 LFE	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
5 LSS	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
6 RSS	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
7 LRS	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
8 RRS	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
9 LTF	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
10 RTF	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
11 LTR	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
12 RTR	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute

Limiter

Limiter Threshold

0dBFS1

0dBFS2

Limiter Status

Inactive1

Inactive2

Parameter - Input and Matrix Routing	Description
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Input Format	Selects the input channel format used by the matrix and deactivates unused input channels.
Matrix	Sets the mix gain or mute for each matrix connection.
Limiter Threshold	Sets the threshold used by the limiter stage in the matrix output path.

Related Processors

- [Downmix Matrix](#)

Revision #1
Created 2026-09-04 12:58:16 UTC by FK
Updated 2026-09-04 12:58:20 UTC by FK