Voice Over Mixer - SURROUND

Overview

The Voice Over Mixer - Surround is a Processor for combining a 5.1 main program signal with up to six mono voice signals. It provides input conditioning, voice-over processing, mix-minus generation, downmixing, matrix mixing, level control, true peak limiting, output conditioning, and measurement.

The Processor is intended for surround voice-over workflows where a main 5.1 program and two mono voice sources need to be combined and delivered in multiple output formats.

Typical Applications

Typical applications include:

- 5.1 program voice-over mixing
- Up to six voice production workflows
- Mix-minus generation
- Program downmix generation
- Clean mono output generation
- Loudness-controlled surround output processing

Included Modules

The Processor includes the following processing and measurement stages:

- Input Meter
- Input Conditioner
- Voice Over
- Mix-minus
- Downmix
- Matrix Mixer
- Level Magic
- True Peak Limiter
- Output Conditioner
- Output Meter
- Loudness Measurement

The signal flow includes input conditioning for the main 5.1 program and two mono voice sources, voice-over mixing, mix-minus generation, downmixing, clean mono generation, level control, limiting, output conditioning, and measurement.

Channel Formats

This article describes a 5.1 main program version with up to six mono voice inputs.

The Processor uses 5.1, mono, stereo, and clean mono output-related paths.

Block Diagram

[PLACEHOLDER: insert block diagram for Voice Over Mixer - Main 5.1 + 2x Mono]

Notes

[PLACEHOLDER: block diagram required]

Revision #1
Created 2026-09-04 10:58:16 UTC by FK
Updated 2026-09-04 10:58:16 UTC by FK