FM Conditioner

Overview

The FM Conditioner Channel Strip - Stereo is a Processor for stereo program processing with a special FM conditioning stage for preparing the audio signal for FM broadcast. It combines input measurement, input conditioning, fail-over handling, phase rotation, de-essing, spectral processing, equalization, dynamics processing, loudness control, FM conditioning, output conditioning, and measurement.

The Processor is intended for stereo broadcast workflows that require a complete program processing chain including FM-oriented signal conditioning. The Processor is for pre-conditioning only and does not replace the functionality of a stereo coder.

> Please see the FM Conditioner Module description for detailed setup instructions.

Typical Applications

Typical applications include:

- Stereo FM program processing
- Spectral program shaping
- Program fail-over workflows
- De-essing and phase optimization
- Loudness-controlled stereo output processing
- Generation of program and monitor outputs

Included Modules

The Stereo version includes the following processing and measurement stages:

- Loudness Measurement
- Input Conditioner
- Fail Over
- Phase Rotator
- De-Esser
- Spectral Signature
- Equalizer
- Expander
- Compressor

- Level Magic
- FM Conditioner
- Output Conditioner

The signal flow includes input measurement and conditioning for two stereo sources, fail-over selection, phase rotation, de-essing, spectral signature processing, equalization, expansion, compression, loudness control, FM conditioning, output conditioning, and output measurement.

Channel Formats

This article describes the Stereo version.

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