Program Processing Channel Strip – Surround

Overview

The Program + Spectral Processing Channel Strip - 5.1 is a Processor for 5.1 program processing with spectral signature processing. It combines input measurement, input conditioning, automatic upmixing, spectral processing, equalization, expansion, compression, loudness control, output conditioning, and loudness measurement.

The Processor is intended for surround program workflows where tonal shaping, dynamics control, and loudness control are required in one processing chain.

Typical Applications

Typical applications include:

- 5.1 broadcast program processing
- Spectral program shaping
- Upmix-assisted surround workflows
- Dynamic range control
- Loudness-controlled 5.1 output processing

Included Modules

The 5.1 version includes the following processing and measurement stages:

- Loudness Measurement
- Input Conditioner
- Input Meter
- Auto Upmix
- Spectral Signature
- Equalizer
- Expander
- Compressor
- Level Magic
- Output Conditioner

The signal flow includes input measurement and conditioning for two 5.1 sources and one mono source, automatic upmixing, spectral signature processing, equalization, expansion, compression, loudness control, output conditioning, and output measurement.

Channel Formats

This article describes the Surround (5.1) version.

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