

EASY LOUDNESS SDI - Dual Stereo Level Magic™ Audio Processor

With dual stereo processing channels, integrated 3G SDI and optional logging features EASY LOUDNESS SDI is the ideal solution for automatic and intelligent real-time loudness management. Jünger Audio's integrated Level Magic™ process ensures maximum audio quality and compliance with all worldwide loudness standards.

Overview

Ideally suited for stereo broadcast and production, the EASY LOUDNESS SDI audio processor is designed to ensure that audio levels and loudness are automatically kept under control – from program to program and day to day.

Featuring comprehensive Level Magic™ loudness control, fail over switching and true peak limiting for two independent stereo programs, sourced from SDI or AES.

Level Magic™

Based on a unique multi-loop control principle, the Level Magic™ algorithm provides adaptive wideband loudness control with exceptionally high audio quality, without coloration, pumping, distortion or other modulation effects.

Level Magic™ is designed to be audibly transparent and process adaptively with minimal user interaction.



signal path, in case the main feed gets lost. The AES stereo input can be used as a fallback input if the SDI signal is interrupted.

New Easy Web Configuration

Enabling easy and intuitive setup and configuration from anywhere in your network, a browser-based web interface with a newly designed 'home' page allows for fast set-

up and configuration from anywhere in your network, a browser-based web interface with a newly designed 'home' page allows for fast set-up. Simultaneously all data is transmitted via Ethernet to the J*AM measurement and logging software (license option), providing comprehensive file logging, live monitoring and offline analysis.

Physical Interfaces

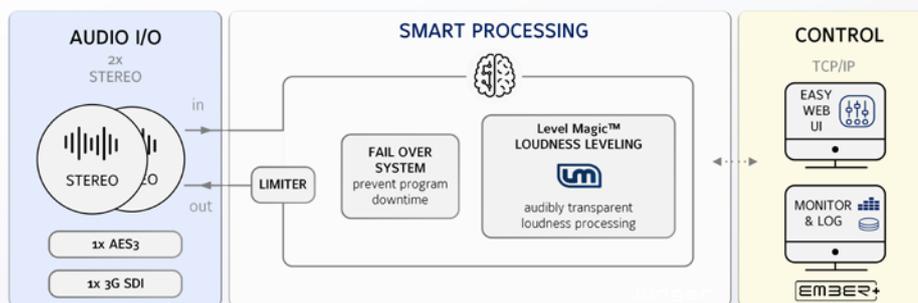
EASY LOUDNESS SDI is fitted with a 3G/HD/SD SDI interface featuring video and audio delays, intelligent routing options, a test generator and full de-embedding and embedding of up to 16 audio channels. Additionally a stereo AES interface with physical XLR and BNC (AES3id) connectors is installed.

System Security

With dual redundant PSUs, automatic sync source switching, power fail bypass relays (audio and video) and SNMP monitoring, the unit ensures maximum operational safety.

System Integration

All system parameters can be remote controlled via Ember+™ control protocol enabling broadcast automation systems to fully operate and virtualize the device. A Snapshot functionality was developed for simple and easy loading of presets by GPI, network or physical Hotkeys (optional X*AP RM1).



Level Magic™ is compliant with all current broadcast audio loudness recommendations based on the ITU-R BS.1770 standard as well as the derived recommended practices ATSC A/85, ARIB TR-B32, Free TV OP-59, Portaria 354, EBU R128 and more.

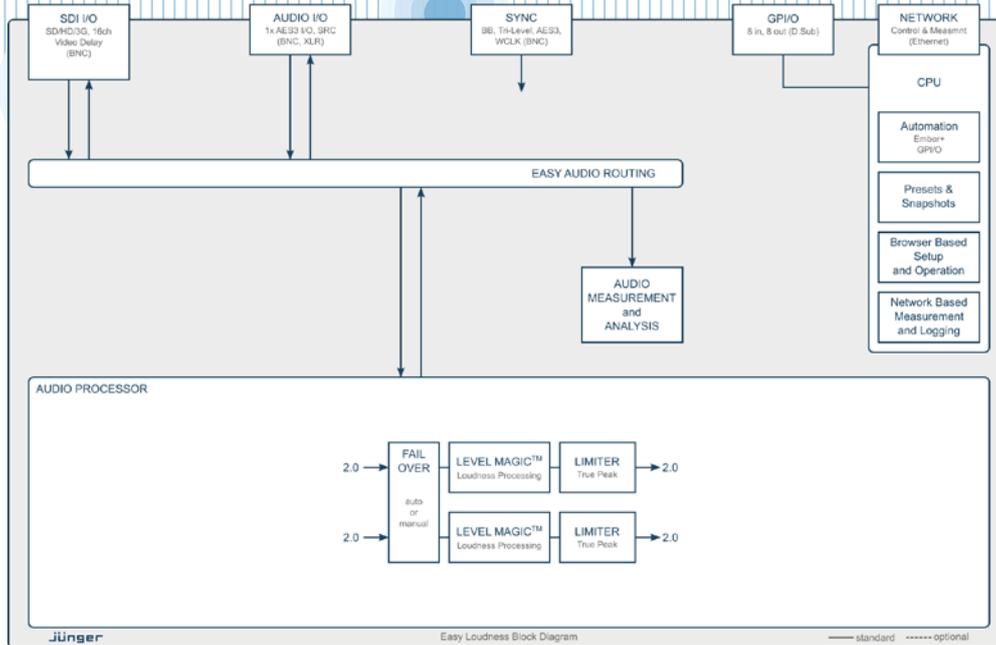
Fail Over

With its integrated fail over system, EASY LOUDNESS SDI is able to switch to a backup

once-and-forget operation. Onscreen metering and measurements are available for easy reference and a dedicated 'Mobile UI' is tailored specifically for touch-screen, tablet and smartphone access.

Loudness Measurement and Logging

For compliance with local regulations, loudness and true peak levels can be measured and monitored directly from the web browser



Key Features

- Level Magic™ loudness management according to: ITU-R BS.1770 (all revisions), EBU R128, ATSC A/85, ARIB TR-B32, Free TV OP-59 and Portaria 354
- Loudness measurement supporting all worldwide standards
- True peak limiter
- Fail Over switching with signal loss detection
- 1x SDI I/O (3G/HD/SD)
- 1x AES/EBU I/O (XLR & BNC)
- Sync in, Sync out, 8 GPIO
- Ethernet connectivity for logging, measurement, setup and control by standard web browser
- External control via network or GPIO
- Power fail bypass relays
- SNMP monitoring
- 19", 1RU device, redundant PSU

Options

- X*AP RM1: hardware remote control linked via Ethernet



- J*AM: loudness logging and monitoring software



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