



Nº 585 INTEGRATED AMPLIFIER

mark  
levinson



## THE FUTURE OF INTEGRATED AMPLIFIERS

### Introducing the Mark Levinson® N° 585 Integrated Amplifier

Founded in 1972, the Mark Levinson® brand has become synonymous with extraordinary levels of audio performance and has a reputation in high-end audio design like no other. From that heritage comes perhaps the finest, most-accomplished integrated amplifier ever made: the N° 585. Combining Mark Levinson's unsurpassed analog performance with advanced digital audio capability and flexible system configuration, the N° 585 pushes the reproduction of any source material to new levels of realism.



## OVERVIEW

### Architecture

The foundation of the N° 585 is its fully discrete, mirror-imaged, dual-monaural analog circuitry featuring individual signal switching relays for each of its four stereo inputs: one XLR and three RCA. Volume controls use discrete 15-bit R-2R ladders and low-noise analog switches for the widest possible bandwidth and maximum signal integrity. The fully-differential Class AB power stage includes an oversized 900VA toroidal transformer with individual secondary windings for the left and right channels. Each elegantly simple amplifier channel utilizes twelve output transistors and multiple smaller local capacitors that allow them to be placed physically closer to the amplifiers for greater transient response when power is needed immediately. This robust architecture results in a conservative power rating of 200W per channel. System integration and expansion are possible using the stereo RCA preouts which can operate full-range or with an included switchable, second-order, 80Hz crossover filter allowing for seamless integration into 2.1-channel systems with powered subwoofers.

### Audio Chassis

Building upon this superb analog platform, the N° 585 adds equally outstanding digital audio capability. An ESS Sabre 32-bit D/A convertor with proprietary jitter elimination circuitry and fully balanced, discrete I/V circuitry forms the heart of the digital audio processing stage. Six digital audio inputs are provided including one AES/EBU, two coaxial and two optical plus a USB audio processor capable of asynchronous data transfer of high resolution DSD and PCM files at up to 192kHz/32 bits resolution. For low-resolution audio formats, proprietary Clari-Fi™ signal processing reconstructs information and bandwidth lost in compressed file formats restoring them to higher fidelity. System integration and communication ports include Ethernet, USB, RS-232, IR input, and 12V trigger input and output. A system IR remote control is included.

### Construction

The chassis of the N° 585 utilizes card-cage architecture to isolate critical low-level analog and digital circuitry from the power supplies and amplifier modules. The steel and aluminum construction features internal amplifier heatsinks and Mark Levinson's iconic black and silver anodized aluminum front panel with its intuitive twin-knob control system and unique red display.



## FEATURES

- Modular circuit design provides isolation of critical audio-circuitry subsections
- High-resolution 32-bit/192kHz D/A convertor with asynchronous USB input
- Patented Clari-Fi™ signal processing for compressed audio formats
- Fully-differential, Class AB amplifier rated at 200W into 8 ohms
- 4 analog audio inputs: One XLR and three RCA stereo pairs
- 6 digital audio inputs: One USB, one AES/EBU, two coaxial and two optical
- Analog preouts with selectable 80Hz crossover filter for 2.1-channel capability
- System controls: Ethernet, RS-232, IR input, and 12V trigger input and output
- IR remote control
- Software update via USB flash drive or Ethernet

Height : 7.6" (19.3cm)  
 Width : 17.1" (43.4cm)  
 Depth : 19.9" (50.6cm)  
 Weight : 74 lb (34kg)