

# AUDIO PURITY

WINTER 2019

mark   
LEVINSON®



XLR



input



polarity



setup



enter



display intensity



balance



mute

mark  
LEVINSON®

INTEGRATED AMPLIFIER No. 585

standby



volume



## DEFINING AUDIO PURITY

The problem was evident to anyone who really listened to recorded music: Recordings rarely, if ever, lived up to the original performance. To some, that didn't matter. To others, it mattered more than anything. This quest for Audio Purity is the foundation of the Mark Levinson brand rooted deeply in the past and continuing into the future.



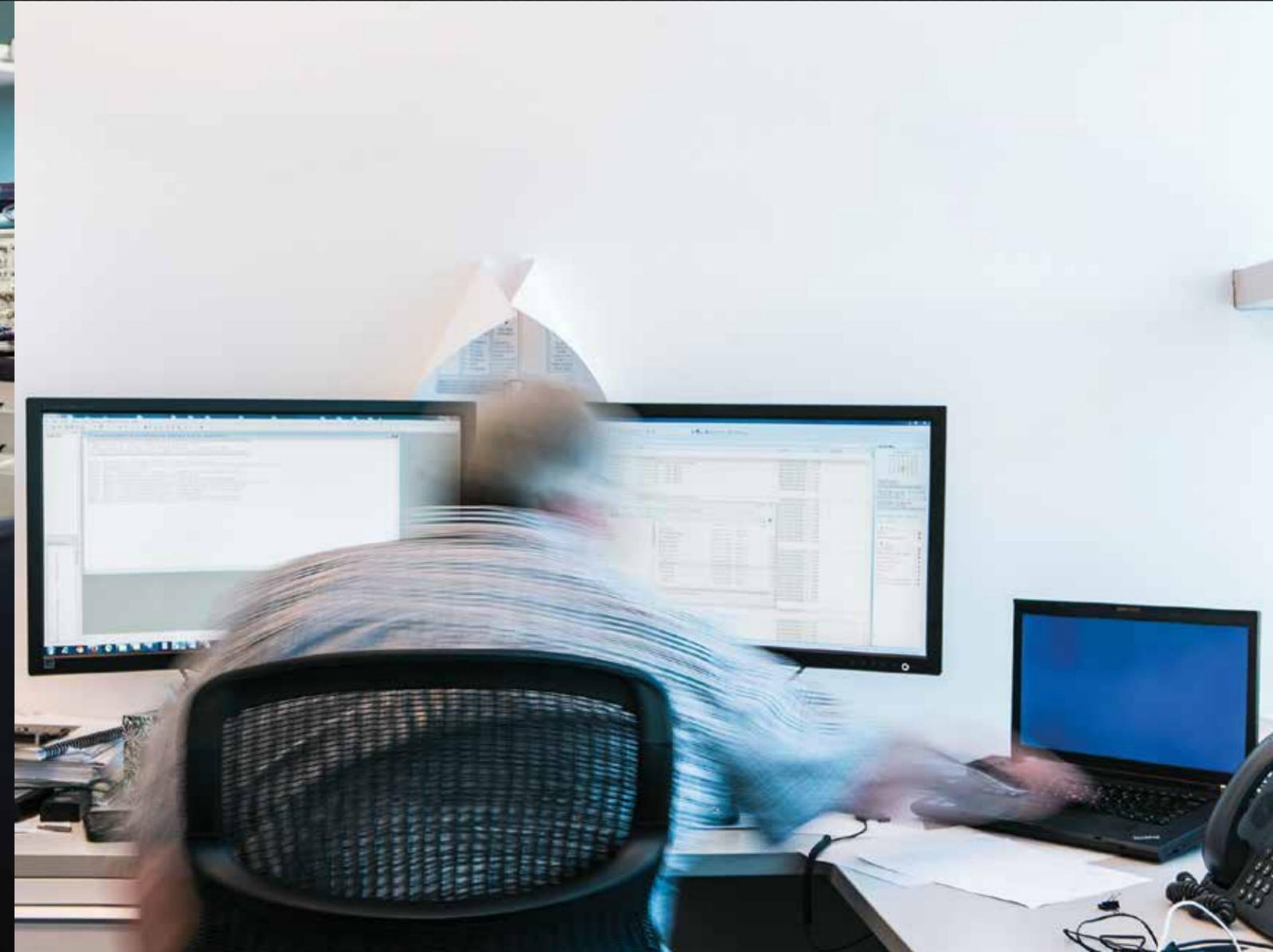
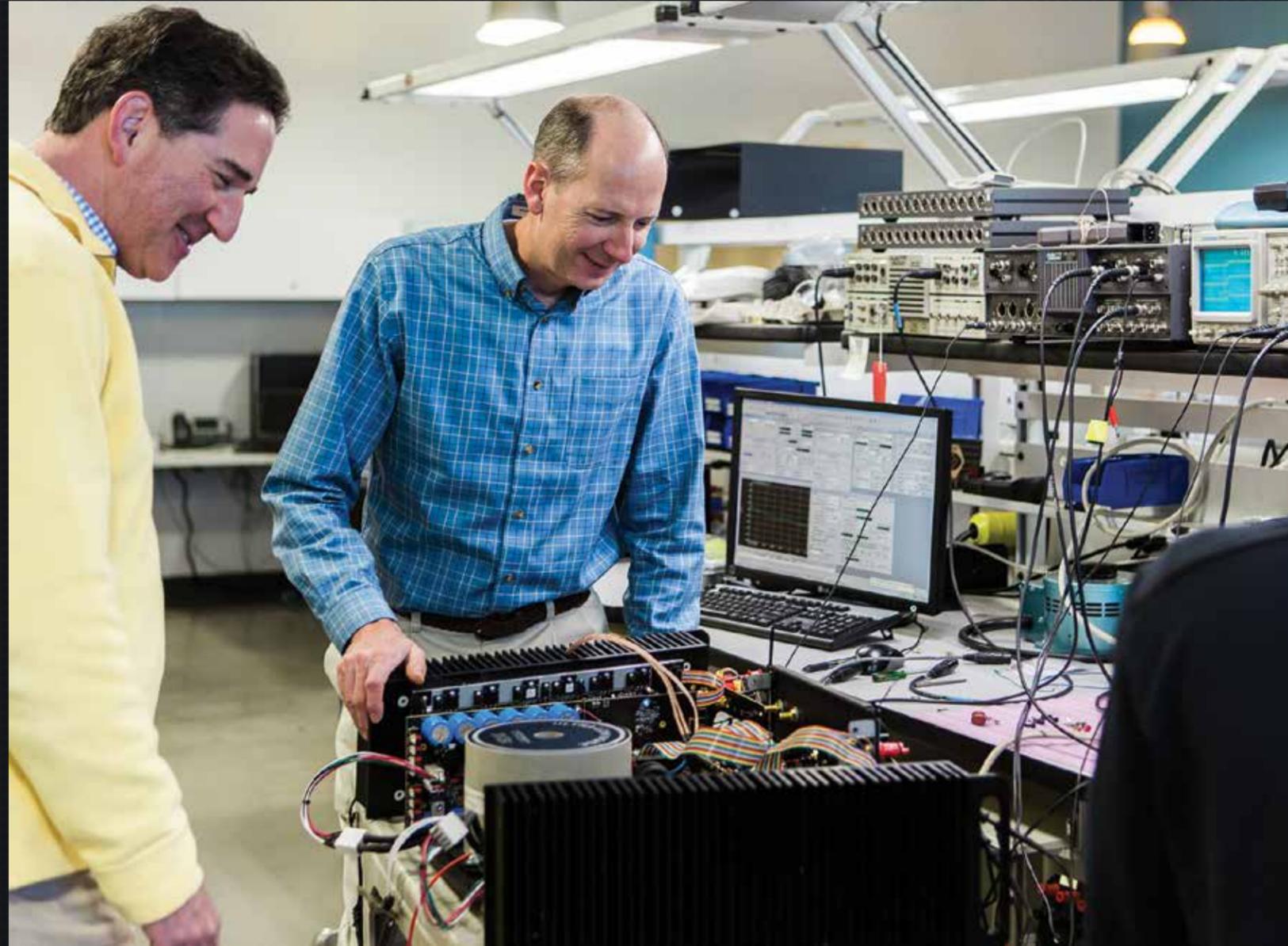
## PRODUCT DESIGN PROCESS

Designed and manufactured entirely in the United States, all Mark Levinson products are handcrafted and tuned making each product perform beyond expectations. The design and build process take place at the Engineering Center of Excellence located in Shelton, CT with invaluable support and contribution from the Acoustical Center of Excellence located in Northridge, CA. The attention to detail is evident in every component. Each piece is precisely placed for the ultimate sonic purity and visual composition. Nothing is extraneous. This makes Mark Levinson products as much a feast for the eyes as it is for the ears. And this beautiful symmetry is obvious on both the inside and outside of each product.



## PRODUCT DESIGN PROCESS

No clever design can eliminate the unit-to-unit variations that emerge when products are manufactured. To control variables, Mark Levinson products are manufactured entirely in Massachusetts. Company engineers clearly define construction techniques, inspection methodologies and rigorous testing for its products. Handwork and automation are used as appropriate to reach the peak of the cost-versus-performance curve. By balancing the work of man and machine, Mark Levinson produces components that offer both high performance and value. The design of all Mark Levinson components and systems is a collaborative effort, driven by a demand for a new product or improvement of an existing one. The collaboration begins with a product concept that combines fundamental design parameters, thorough understanding of technological options and familiarity with the variety of materials and parts available. The process is guided by Mark Levinson engineers' well-developed sense of aesthetics and user interface.



## PREAMPLIFIERS

A key component in any high-precision playback system is the preamplifier, which handles input selection and level control for the connected power amplifier and loudspeakers. Input sources have evolved during the past 40 years, from analog phono cartridges, am/fm tuners, tape/cassette decks and other auxiliary sources to digital sources such as cd, sacd™, dvd and blu-ray disc™ players and PC-based high-resolution audio players. Mark Levinson engineers understand that, regardless of the format, the source-selection and volume-control functions need to be implemented seamlessly and elegantly, while avoiding the introduction of any coloration to the input signal.



Nº 52

## REFERENCE DUAL-MONAUROAL PREAMPLIFIER

The Nº 52 features seven analog inputs – three balanced XLR and four unbalanced RCA – as well as a dedicated phono input configurable for moving-magnet (MM) or moving-coil (MC) operation. Two sets of pre-outs are duplicated in both XLR and RCA jacks, while an additional auxiliary pair of XLR and RCA outputs is configurable, for fixed or variable output with independent source selection. This function allows the auxiliary output to function as a third pre-out, a pass-through full-range subwoofer output or a record output.

Crafted with impeccable attention to detail and sonic clarity, the Nº 52 truly is the finest preamplifier ever created.



Nº 526

## DUAL-MONAUURAL PREAMPLIFIER WITH DAC

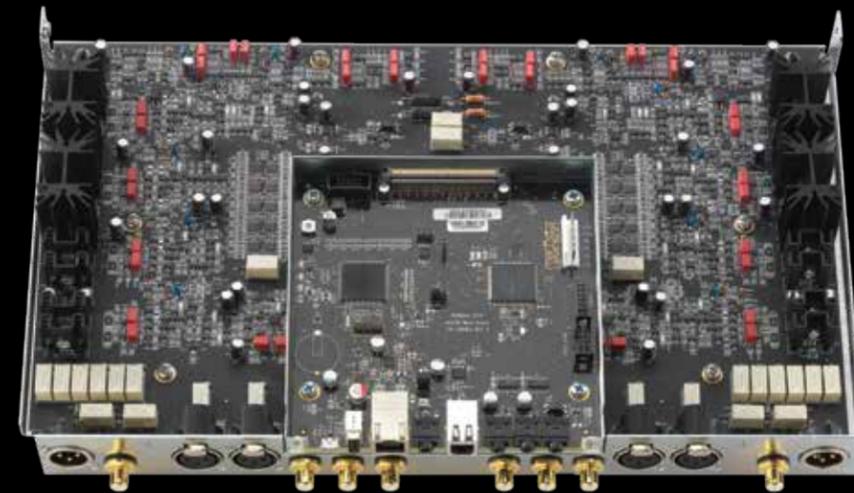
The Mark Levinson Nº 526 is the definitive preamplifier for today's music lover. Twelve analog, phono, and digital inputs travel through the Mark Levinson proprietary Pure Path discrete, direct-coupled, fully balanced, dual-monaural signal path for breathtaking purity and performance. With precision control and processing including a discrete, balanced R-2R Ladder volume control, the acclaimed 32-bit Precision Link DAC, class-A Pure Phono stage, and HARMAN Clari-Fi® music restoration technology, the Nº 526 preamplifier delivers an uncompromising performance regardless of source. Housed in a 6000-series aluminum chassis, like all Mark Levinson equipment, the Nº 526 is designed and handcrafted in the USA.



Nº 523

## DUAL-MONAUURAL PREAMPLIFIER

The Mark Levinson Nº 523 is the definitive preamplifier for the analog music lover. Six line-level analog and phono inputs travel through the Mark Levinson proprietary Pure Path discrete, direct-coupled, fully balanced, dual-monaural signal path for breathtaking purity and performance. With precision control including a discrete, balanced R-2R Ladder volume control, class-A Pure Phono stage, and class-A Main Drive Headphone output, the Nº 523 preamplifier delivers an uncompromising performance regardless of analog source. Housed in a 6000-series aluminum chassis, like all Mark Levinson equipment, the Nº 523 is designed and handcrafted in the USA.



## PLAYERS

Today's audiophiles require their music delivery in a variety of formats. A modern, fully-equipped audio player that features both wired and wireless built-in streaming services, Bluetooth connectivity, a front-loading CD tray and connections for USB and other digital inputs is paramount for musical enjoyment. These easy-to-master units have to be simple enough to operate to provide an unparalleled listening experience no matter how your music is obtained.



## Nº 519 AUDIO PLAYER

The Mark Levinson Nº 519 is a complete, modern digital audio player for today's music lover. It combines wireless and wired streaming with a slot-loading CD player, plus connections for USB drives, additional digital inputs, wireless Bluetooth® aptX®, and HARMAN Clari-Fi® music restoration technology; all in an uncompromising package featuring Mark Levinson Pure Path system design in a 6000-series aluminum chassis. The Nº 519 sports a large, full-color TFT display, comes with a matching remote control, and can be controlled with iOS and Android apps, all major web browsers, and a host of system integration connections including RS-232, IP control, and more. Like all Mark Levinson products, the Nº 519 is proudly designed and handcrafted in the USA.



## Nº 515 TURNTABLE

The Nº 515 is a premium turntable designed and built in collaboration with recognized leader VPI Industries. Leveraging VPI's superior technologies and craftsmanship to deliver unique features, performance, and appearance, the Nº 515 is the first turntable worthy of the Mark Levinson® name.

The Nº 515 is based on a highly damped vinyl-wrapped composite and aluminum sandwich main chassis. The chassis is supported by machined Delrin and Aluminum Mark Levinson feet with a vibration-damping polymer core. The solid Aluminum platter rotates on an inverted bearing, which employs a hardened stainless steel shaft spinning in a phosphor bronze bushing for maximum rotational accuracy.

Created for the discriminating analog music lover, the Nº 515 is the perfect complement to the Pure Phono stage included in the Nº 526 and Nº 523 preamplifiers.

The Nº 515 turntable will be available either with or without a factory installed moving coil phono cartridge.



## INTEGRATED AMPLIFIERS

Integrated amplifiers are for the audiophiles in search of an all-in-one audio-control center and stereo power amplifier. These integrated amplifiers need to accommodate a wide array of music sources in a space-saving, easy-to-use unit but still have power to drive most any loudspeaker.



## Nº 585.5 INTEGRATED AMPLIFIER

The Mark Levinson Nº 585 has swept up best in class awards and countless accolades around the world, and is now widely regarded as perhaps the finest integrated amplifier ever made. Now, the Nº 585.5 redefines the playback quality of a classic medium; by adding the same Pure Phono stage found in the award winning Nº 523 and Nº 526 preamplifiers taking the reproduction of any source material to new heights of realism.

The Pure Phono stage is a discrete design with no op-amps and operates exclusively in class A throughout, employing tantalum nitride thin-film resistors and polypropylene capacitors with exceptionally low tolerances. A fixed-gain moving magnet (MM) section with five capacitive cartridge-loading settings, and a moving coil (MC) section with three gain settings and 10 resistive cartridge-loading settings ensures optimization for any cartridge. And an ultrasonic filter intelligently compensates for rumble and warping. The Pure Phono stage also contains physically separated channels and balanced inputs for sonic purity.



Nº 585

## INTEGRATED AMPLIFIER

The foundation of the Nº 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.

The Nº 585 boasts an impressive list of differentiating features including patented Clari-Fi™ signal processing which restores lost information to compressed audio formats resulting in fuller, more dimensional sound, six digital audio inputs and a high-resolution 32-bit/192kHz D/A convertor with asynchronous USB input which demonstrate that the future of integrated amplifiers has already arrived.



Nº 5805

## INTEGRATED AMPLIFIER

The Nº5805 pairs decades of superlative audio engineering with the latest technological advancements to deliver unmatched performance and value. With a bold new industrial design, fully discrete PureDirect™ signal path, PrecisionLinkII™ DAC, MainDrive™ headphone power, MM/MC Phono stage and potent dual monaural class AB amplification, the Nº5805 delivers luxurious fidelity with premium features and flexibility.

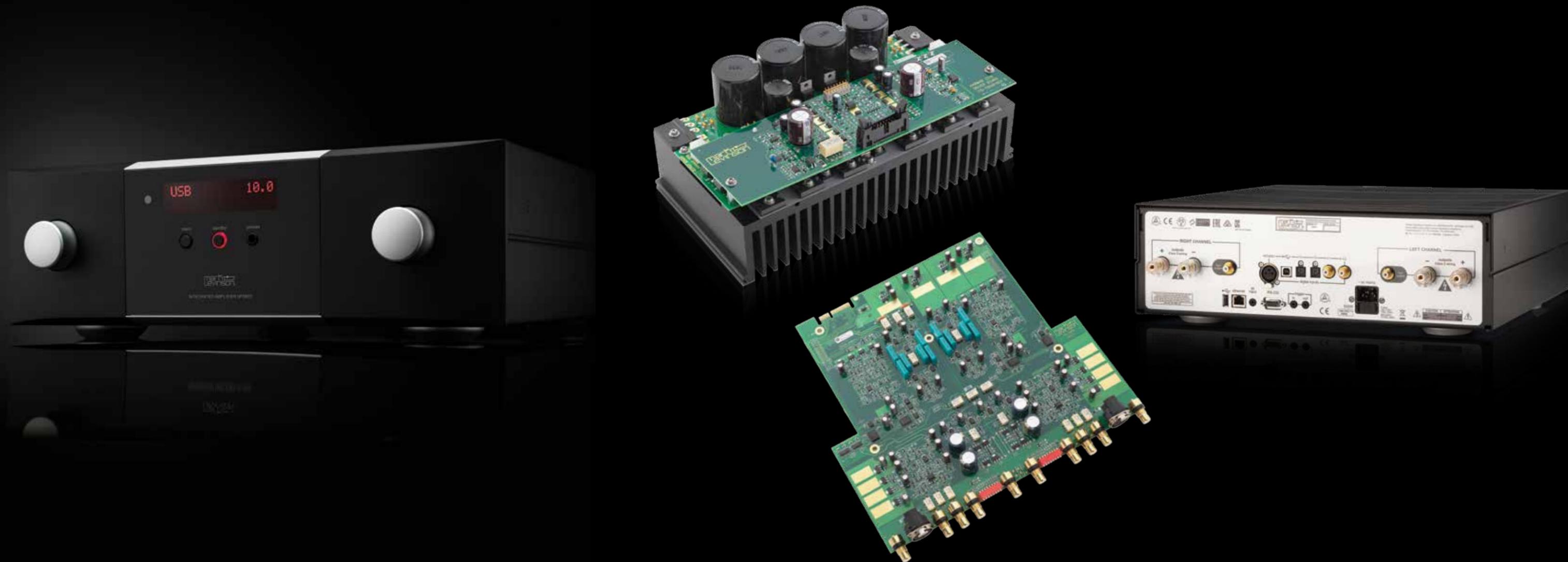
A newly designed Phono stage features a hybrid gain topology, mating key discrete components from the acclaimed Nº500 series Pure Phono stage with low-noise integrated circuits for high performance at lower cost. Also like the Nº500 series, a hybrid active/passive RIAA equalizer employs precision resistors and polypropylene capacitors for exceptional accuracy and sonic clarity. The user can select MM/MC gain and infrasonic filter from the setup menu, while capacitive and resistive loading settings are easily accessed from the rear panel.



Nº 5802

## INTEGRATED AMPLIFIER

The Nº5802 delivers outstanding digital audio capability through the Mark Levinson PrecisionLinkII™ DAC. The latest generation ESS Sabre 32-bit D/A converter with jitter elimination circuitry and a fully balanced, discrete current-to-voltage converter form the heart of the digital audio processing stage. Six digital audio inputs are provided: One AES, two coaxial and two optical S/PDIF, and one asynchronous USB for playback of high resolution PCM (up to 192kHz/32 bits) and DSD (up to DSD 5.6) files. The Nº5802 includes MQA (Master Quality Authenticated) technology, which enables playback of MQA audio files and streams. A Bluetooth receiver equipped with AptX-HD enables the highest quality Bluetooth playback available.



## POWER AMPLIFIERS

One of the most critical components linking audio sources to the loudspeaker is the power amplifier. As home systems have evolved, the power amplifier is critical to drive varying loudspeakers. It must be powerful enough to complement a range of loudspeakers without distorting the incoming audio signal at any volume level.

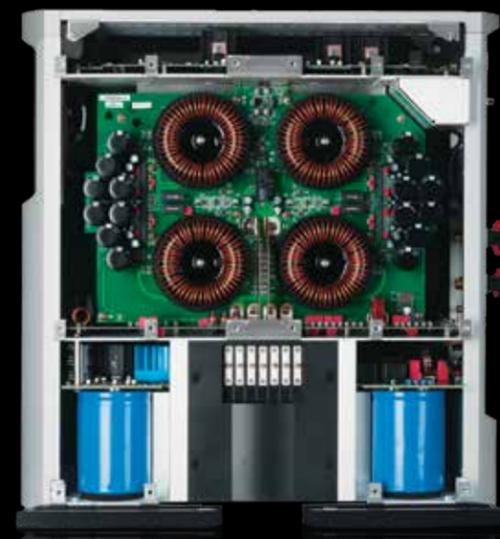


Nº 53

## REFERENCE POWER AMPLIFIER

Unveiled in 2008 as the brand's first-ever Class I switching model, the Nº 53 Reference Monaural Power Amplifier offers more power, increased efficiency, compact size, lower weight and less heat dissipation than comparable non-digital systems. Featuring a patented Interleaved Power Technology (IPT), the Nº 53 is able to create a frequency response that is ruler-flat across the entire audio spectrum. That's an impressive feat for any power amplifier, but is remarkable for a switching power amplifier.

The Nº 53 eliminates dead bands using a patented technology that permits both sets of output devices to be on for a short amounts of time. This allows for greater fidelity without compromising the life expectancy of the output devices. The Nº 53 is the Reference standard for power amplifiers bringing depth and detail to any source material.



Nº 536

## MONAURAL POWER AMPLIFIER

The pursuit of perfect amplification is a well-known theme in high-end audio. New technologies present new approaches, while looking to the past provides inspiration for the future. It was in that spirit that the Mark Levinson® 536 Monaural Power Amplifier was developed: an amplifier advised by the traditions and art of classic amplifier design, and infused with modern technology. This fully differential, fully discrete amplifier drives virtually any loudspeaker effortlessly for impeccable imaging, musicality, and openness. Its direct-coupled signal path; a highly linear, low-feedback design; and voltage gain and drive stages operating in class A, are joined by the modern system integration capabilities provided by Ethernet, RS-232, and USB for monitoring and network control.



Nº 534

## DUAL-MONAUURAL POWER AMPLIFIER

The design of the Nº 534 was directed by the traditions and art of classic Mark Levinson amplifier designs that had a specific, target sound: a deep, expansive soundstage, accurate image placement, extended low bass repose with good pitch definition, and detailed high frequencies free from “etching”. To that end, the Mark Levinson engineering team started with the following requirements:

Harmonic distortion  $<0.02\%$  at 1kHz and  $<0.2\%$  at 20kHz. Bandwidth extending from 0.2Hz to 120kHz, and beyond if possible.

Critically damped square wave response, with leading and trailing edges free of any slewing artifacts, and a slew rate of at least  $100V/\mu s$ . Maximized open-loop linearity and bandwidth, with global negative feedback in the range of 12-20dB and without nested feedback loops. This fully differential, fully discrete, dual-monaural Pure Path amplifier drives virtually any loudspeaker effortlessly for impeccable imaging, musicality, and openness. A direct-coupled signal path; a highly linear, low-feedback design; and voltage gain and drive stages operating in class A, are joined by the modern system integration capabilities provided by Ethernet, RS-232, and USB for monitoring and network control. Housed in a 6000-series aluminum chassis, like all Mark Levinson equipment, the Nº 534 is designed and handcrafted in the USA.



## Nº 532H DUAL-MONAUURAL POWER AMPLIFIER

The Nº 532H is a true dual-monaural power amplifier. Power supplies for each channel and are rated at 300W per channel into 8 ohms. The transformers and power supply designs deliver unsurpassed dynamics and transient responses for today's demanding audio formats and provide stability with even the most difficult to drive loudspeakers. Fully differential circuitry ensures that balanced input signals stay that way throughout the signal path and traditional Mark Levinson "Hurricane" binding posts offer secure termination to the loudspeaker. The heart of the Nº 500H Series amplifiers – elegant simplicity. The use of multiple smaller capacitors allows them to be physically closer to the amplifiers themselves providing for greater transient response when power is needed immediately. The Nº 532H has sixteen output transistors per channel. The Nº 532H demonstrates impressive performance even for the Mark Levinson high standard of excellence.



## IN LEXUS

Mark Levinson systems are tuned for perfection to provide the highest level of accuracy, reliability, and enjoyment. The hallmark of each system is an uncanny ability to reproduce subtleties and nuances so that you get pure musical reproduction, with nothing added or removed from the performance. You don't just hear the sound, you experience the soul of the music in a 360-degree spatial environment.



# SPECIFICATIONS

## PREAMPLIFIERS

Nº 52



Description	Reference Dual-Monaural Preamplifier
Analog Audio Inputs	3 balanced (female XLR) stereo inputs; 4 single-ended (Mark Levinson-RCA) stereo inputs
Digital Audio Inputs	–
Analog Audio Outputs	1 balanced (male XLR) stereo main output; 1 single-ended (Mark Levinson-RCA) stereo main output; 2 single-ended (Mark Levinson-RCA) stereo record outputs
Dimensions (H x W x D)	8.75" x 17.25" x 13" (22.2cm x 43.8cm x 33cm)
Weight	60 lb (27kg)

Nº 526



Description	Dual-Monaural Preamplifier with DAC
Analog Audio Inputs	2 balanced (XLR), 3 single-ended (RCA) line, 1 single-ended (RCA) phono w/ ground
Digital Audio Inputs	1 balanced (XLR); 2 coaxial (RCA); 2 optical (Toslink); 1 USB-B asynchronous
Analog Audio Outputs	1 balanced (XLR); 1 pair single-ended (RCA), 1 headphone (1/4", 6.3mm TS)
Dimensions (H x W x D)	3.75" x 17.25" x 18" (10.2cm x 43.9cm x 45.7cm)
Weight	60 lb (27kg)

Nº 523



Description	Dual-Monaural Preamplifier
Analog Audio Inputs	2 balanced (XLR), 3 single-ended (RCA) line, 1 single-ended (RCA) phono w/ ground
Digital Audio Inputs	–
Analog Audio Outputs	1 balanced (XLR); 1 pair single-ended (RCA), 1 headphone (1/4", 6.3mm TS)
Dimensions (H x W x D)	3.75" x 17.25" x 18" (10.2cm x 43.9cm x 45.7cm)
Weight	58 lb (26.3kg)

## AMPLIFIERS

Nº 53



Description	Reference Monaural Amplifier
Rated Output Power Into 4 Ohms	1000W
Rated Output Power Into 8 Ohms	500W
Inputs	One balanced XLR input; One unbalanced RCA input
Outputs	Two pairs of "Hurricane" loudspeaker output binding posts with banana-plug sockets (banana plug socket not available for some models)
Dimensions (H x W x D)	20.87" x 8.42" x 20.4" (530mm x 214mm x 518mm)
Weight	135 lbs (61.3kg)

Nº 536



Description	Monaural Power Amplifier
Rated Output Power Into 4 Ohms	–
Rated Output Power Into 8 Ohms	400W/ch (20Hz to 20kHz @ <0.3% THD, full output from 2.83VRMS)
Inputs	One Balanced, one single-ended
Outputs	Two pairs of Hurricane loudspeaker outputs
Dimensions (H x W x D)	7.75" x 17.75" x 20" (19.7cm x 45.1cm x 50.8cm)
Weight	100 lbs (45.4kg)

## PLAYERS

Nº 519



Description	Audio Player
Rated Output Power Into 4 Ohms	–
Rated Output Power Into 8 Ohms	1 balanced (XLR); 1 pair single-ended (RCA), 1 headphone (1/4", 6.3mm TS)
Inputs	1 balanced (XLR); 1 single-ended (RCA), 1 optical (Toslink)
Outputs	Ethernet (RJ45), RS-232 (RJ12), Trigger In and Out, IR In, USB-A, Mini USB
Dimensions (H x W x D)	5.55" x 17.25" x 15.27" (140.97mm x 438.15mm x 387.85mm)
Weight	56 lb (25.4kg)

Nº 515



Description	Turntable
Rated Output Power Into 4 Ohms	–
Rated Output Power Into 8 Ohms	Wow and flutter: >.1% Rumble: >85db down
Inputs	Speed Accuracy: >.03%
Outputs	Total shipping weight: 54 pounds
Dimensions (H x W x D)	Platter run out: +/- .001 inch
Weight	

## AMPLIFIERS

Nº 534



Description	Dual-Monaural Amplifier
Rated Output Power Into 4 Ohms	–
Rated Output Power Into 8 Ohms	250 W/ch (20Hz to 20kHz @ <0.3% THD, full output from 2.83VRMS)
Inputs	One pair Balanced, one pair single-ended
Outputs	Four pairs of Hurricane loudspeaker outputs
Dimensions (H x W x D)	7.75" x 17.75" x 20" (19.7cm x 45.1cm x 50.8cm)
Weight	107 lbs (56.3kg)

Nº 532H



Description	Dual-Monaural Amplifier
Rated Output Power Into 4 Ohms	–
Rated Output Power Into 8 Ohms	300W/ch (20Hz to 20kHz at <0.5% THD)
Inputs	One balanced XLR input per channel; one unbalanced RCA input per channel
Outputs	One pair "Hurricane" loudspeaker outputs with banana-plug sockets per channel (banana-plug socket not available on the 230 VAC models)
Dimensions (H x W x D)	7.65" x 17.75" x 19.83" (19.4cm x 45.1cm x 50.4cm)
Weight	74 lb (38.1kg)

## INTEGRATED AMPLIFIERS

Nº 585.5



Description	Integrated Amplifier with Phono Stage
Analog Audio Connectors	XLR, 3 x RCA, Phono
Digital Audio Connectors	Asynchronous USB (B), AES/EBU, 2 x optical S/PDIF, 2 x coaxial S/PDIF
Control Connectors	Ethernet, RS-232, IR and 12V trigger ports
Dimensions (H x W x D)	7.6" x 17.1" x 19.9" (193mm x 434mm x 506mm)
Weight	74 lb (34kg)

Nº 585



Description	Integrated Amplifier
Analog Audio Connectors	3 pairs single-ended inputs (RCA); 1 pair balanced inputs (XLR); 1 pair single-ended line outputs (RCA); 1 pair loudspeaker outputs ("Hurricane" binding posts with banana sockets that accept spade lugs with 1/4" (6.3mm) spacing up to 1/8" (3mm) thick)
Digital Audio Connectors	1 balanced AES/EBU input (XLR); 2 coaxial S/PDIF inputs (RCA); 2 optical inputs (Tos-Link); 1 asynchronous USB input (USB-B)
Control Connectors	1 RS-2343 port (RJ-12 connector); 1 IR input (1/8" phone jack); 1 programmable 12V DC trigger output (1/8" phone jack), 100mA maximum; 1 programmable 12 DC trigger input (1/8" phone jack); 1 Ethernet port (FJ-45 connector)
Dimensions (H x W x D)	6.9" x 17.25" x 19.95" (175mm x 438mm x 507mm)
Weight	72 lbs (32.6kg)

## INTEGRATED AMPLIFIERS

Nº 5805



Description	Integrated Amplifier
Analog Audio Connectors	1 x balanced XLR stereo, 2 x RCA stereo, 1 x RCA Phono (MM/MC) HT processor pass-thru mode
Digital Audio Connectors	1 x AES, 1 x USB 2.0, 2 x coaxial S/PDIF, and 2 x optical S/PDIF 192kHz/32 bit PCM and DSD 5.6 capability; Bluetooth audio input including AptX-HD support
Control Connectors	Control ports: Ethernet (RJ45), RS-232 (DB9), 12V trigger input/output and IR input (3.5mm jack); Webpage setup, configuration import/export, software updates; Included handheld IR remote control
Dimensions (H x W x D)	5.7" x 17.24" x 19.97" (144.78mm x 437.9mm x 507.24mm)
Weight	62 lbs (28.1kg)

Nº 5802



Description	Integrated Amplifier
Analog Audio Connectors	-
Digital Audio Connectors	1 x AES, 1 x USB 2.0, 2 x coaxial S/PDIF, and 2 x optical S/PDIF; 192kHz/32 bit PCM and DSD 5.6 capability; Bluetooth audio input including AptX-HD support
Control Connectors	Control ports: Ethernet (RJ45), RS-232 (DB9), 12V trigger input/output and IR input (3.5mm jack); Webpage setup, configuration import/export, software updates; Included handheld IR remote control
Dimensions (H x W x D)	5.7" x 17.24" x 19.97" (144.78mm x 437.9mm x 507.24mm)
Weight	61 lbs (27.7kg)





input

XLR1

52.6



polarity

setup

enter

display intensity

balance

mute



volume

mark  
Levinson  
PREAMPLIFIER No. 526



standby

mark  
Levinson

MONAURAL AMPLIFIER No. 536

standby



mark  
Levinson

MONAURAL AMPLIFIER No. 536

standby





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