



# Performance Specifications

## MARK LEVINSON

### N°5206

All production N°5206 units will undergo 100% functional testing prior to shipment, and the following features and electrical measurements will be verified on all units. All production units will meet or exceed all specifications listed below.

#### ANALOG LINE STAGE

Gain: 8dB maximum, single-ended outputs  
14dB maximum, balanced outputs

Output overload: >7.5V RMS, single-ended outputs  
>15V RMS, balanced outputs

Frequency response: 20Hz to 20kHz, ±0.03dB  
<2Hz to 250kHz, +0.1/-3dB  
[At unity gain volume setting]

Total harmonic distortion: <0.003%, 20Hz to 20kHz  
[At unity gain volume setting, 2V RMS  
single-ended/4V RMS balanced out]

Signal-to-noise ratio: >93dB, 20Hz to 20kHz, wideband,  
unweighted [At unity gain volume  
setting, referred to 2V RMS single-  
ended/4V RMS balanced out]

Subwoofer high-pass filter: Selectable; 80Hz, 2nd order  
(12dB/octave)

#### PHONO STAGE

RIAA frequency response: 20Hz to 20kHz, ±0.3dB

Infrasonic filter: Selectable; 20Hz, 1st order  
(6dB/octave)

**Moving-magnet mode**

Input resistance: 47kΩ

Input capacitance: Selectable; 20, 70, 120, or 170pF

Gain: 39dB at 1kHz

Total harmonic distortion: <0.01%, 1kHz, 2V RMS output  
<0.05%, 20Hz to 20kHz, 2V RMS  
output

Signal-to-noise ratio: >80dB, 20Hz to 20kHz, wideband,  
unweighted, referred to 2V RMS  
output

Maximum input level: >190mV at 1kHz  
>1.6V at 20kHz

#### Moving-coil mode

Input resistance: Selectable; 37Ω to 1000Ω

Gain: 69dB at 1kHz

Total harmonic distortion: <0.01%, 1kHz, 2V RMS output  
<0.05%, 20Hz to 20kHz, 2V RMS  
output

Signal-to-noise ratio: >68dB, 20Hz to 20kHz, wideband,  
unweighted, referred to 2V RMS  
output

Maximum input level: >6.5mV at 1kHz  
>19mV at 20kHz

#### DIGITAL-TO-ANALOG CONVERTER STAGE

Output voltage: 5.6V RMS at 0dBFS, maximum  
volume, single-ended outputs  
11.2V RMS at 0dBFS, maximum  
volume, balanced outputs

Frequency response: 20Hz to 20kHz, +0/-0.05dB  
[with 44.1kHz/16 bit signal]  
20Hz to 20kHz, +0/-0.02dB  
[with 192kHz/24 bit signal]

Total harmonic distortion: <0.0025%, 20Hz to 20kHz,  
3V RMS single-ended output  
[with 44.1kHz/16 bit signal]  
<0.002%, 20Hz to 20kHz, 6V RMS  
balanced output [with 44.1kHz/  
16 bit signal]  
<0.002%, 20Hz to 20kHz, 3V RMS  
single-ended output [with 192kHz/  
24 bit signal]  
<0.0017%, 20Hz to 20kHz, 6V RMS  
balanced output [with 192kHz/  
24 bit signal]  
<0.004%, 90kHz, 3V RMS single-  
ended output [with 192kHz/  
24 bit signal]  
<0.003%, 90kHz, 6V RMS balanced  
output [with 192kHz/24 bit signal]

Signal-to-noise ratio: >92dB, 20Hz to 20kHz, wideband,  
unweighted, with 44.1kHz/16 bit  
signal [referred to 3V RMS single-  
ended or 6V RMS balanced output]  
>98dB, 20Hz to 20kHz, wideband,  
unweighted, with 192kHz/24 bit  
signal [referred to 3V RMS single-  
ended or 6V RMS balanced output]

Sample rates/bit depth: PCM: 32, 44.1, 48, 88.2, 96, 176.4,  
192, 352.8, or 384kHz; up to 32 bits  
DSD: Native or DoP; single, double,  
or quad speed [2.8, 5.6, or 11.2MHz]

## HEADPHONE OUTPUT

Total harmonic distortion:	<0.04%, 20Hz and 1kHz, 2V RMS output, 30Ω load <0.1%, 20kHz, 2V RMS output, 30Ω load
Output overload:	>3.3V RMS, 30Ω load
Signal-to-noise ratio:	>88dB, 20Hz to 20kHz, wideband, unweighted, referred to 2V RMS output

## GENERAL

Analog input connectors:	2 pairs balanced line-level inputs (XLR) 2 pairs single-ended line-level inputs (RCA) 1 pair single-ended moving-coil phono inputs (RCA) 1 pair single-ended moving-magnet phono inputs (RCA)
Digital audio connectors (N <sup>o</sup> 5206 only):	2 coaxial S/PDIF inputs (RCA) 2 optical S/PDIF inputs (Toslink) 1 balanced AES/EBU input (XLR) 1 asynchronous USB input (USB-B)
Output connectors:	1 pair single-ended line-level outputs (RCA) 1 pair balanced line-level outputs (XLR)
Control connectors:	1 RS-232 port (DB-9) 1 Ethernet port (RJ-45) 1 USB port for firmware updates (USB-A) 1 baseband IR input (1/8"/3.5mm phone jack) 1 programmable 12V DC trigger output, 100mA maximum (1/8"/3.5mm phone jack) 1 programmable 12V DC trigger input (1/8"/3.5mm phone jack)

Power consumption:	Power on: 70W Power on (headphones connected): 85W Normal standby: 65W Power Save standby: 4W Green standby: <0.4W
Dimensions/Weight Unit only:	Height: 4.96"/126mm Height without feet: 4.50"/114mm Width: 17.25"/438mm Depth, enclosure only: 18.00"/457mm Depth, with knobs and rear connectors: 19.25"/489mm Weight: 34 lbs/15.4kg
With packaging:	Height: 13.63"/346mm Width: 24.25"/616mm Depth: 29.00"/737mm Weight: 48 lbs/21.7kg



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