



# MARK LEVINSON N°5805 & N°5802 SPECIFICATIONS

## ANALOG LINE STAGE (N°5805 ONLY)

Line Input Impedance	: Balanced (XLR): 20k $\Omega$ ; Single-ended (RCA): 10k $\Omega$
Volume Control	: Balanced; voltage mode; digitally-controlled resistor network
Gain	: 8.5dB maximum
Output Impedance	: 55 $\Omega$
Output Overload	: >4.5V RMS
Frequency Response	: 20Hz to 20kHz, $\pm$ 0.03dB; <2Hz to 210kHz, +0.1/-3dB (At unity gain volume setting)
Total Harmonic Distortion	: <0.01%, 1kHz; <0.03%, 20 kHz; 2V RMS output (At unity gain volume setting)
Signal-To-Noise Ratio	: >96dB (20Hz to 20kHz, A-weighted); >93dB (20Hz to 20kHz, wideband, unweighted) (Referred to 2V RMS output, unity gain volume setting)
Input Sensitivity	: 53mV RMS at line input for 2.83V RMS at speaker output, maximum volume setting
System Gain	: 34.5dB, line input to speaker output, maximum volume setting

## PHONO STAGE (N°5805 ONLY)

RIAA Frequency Response	: 20Hz to 20kHz, $\pm$ 0.3dB
Infrasonic Filter	: Selectable; 20Hz, 1st order (6dB/octave)

## MOVING-MAGNET MODE

Input Resistance	: 47k $\Omega$
Input Capacitance	: Selectable; 20, 70, 120, 170pF
Gain	: 39dB at 1kHz
Total Harmonic Distortion	: <0.01%, 1kHz, 2V RMS output; <0.05%, 20kHz, 2V RMS output
Signal-To-Noise Ratio	: >90dB (20Hz to 20kHz A-weighted, referred to 2V RMS output); >78dB (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, 37 $\Omega$ to 1000 $\Omega$
Gain	: 69dB at 1kHz
Total Harmonic Distortion	: <0.01%, 1kHz, 2V RMS output; <0.06%, 20kHz, 2V RMS output
Signal-To-Noise Ratio	: >71dB (20Hz to 20kHz A-weighted, referred to 2V RMS output); >66dB (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	: 5.7V RMS at maximum volume/full scale (0dBFS)
Frequency Response	: 20Hz to 20kHz, +0/-0.02dB (192kHz/24 bit signal); 20Hz to 20kHz, +0/-0.05dB (44.1kHz/16 bit signal)
Total Harmonic Distortion	: <0.0025%, 20Hz to 20kHz, at 3V RMS output (192kHz/24 bit signal); <0.003%, 20Hz to 20kHz, at 3V RMS output (44.1kHz/16 bit signal); <0.006%, 90kHz, at 3V RMS output (192kHz/24 bit signal)

Signal-To-Noise Ratio	: >100dB (20Hz to 20kHz, 192kHz/24 bit signal, A-weighted); >98dB (20Hz to 20kHz, 192kHz/24 bit signal, wideband, unweighted); >94dB (20Hz to 20kHz, 44.1kHz/16 bit signal, A-weighted); >92dB (20Hz to 20kHz, 44.1kHz/16 bit signal, wideband, unweighted) (referred to 2V RMS 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)
Digital Processing	: Full MQA decoding; PCM: Seven user-selectable digital filter settings; user-selectable up-sampling to 352.8/384kHz; DSD: Four user-selectable digital filter settings

## HEADPHONE OUTPUT

Total Harmonic Distortion	: <0.04%, 20Hz and 1kHz, 2V RMS output, 30Ω load; <0.10%, 20kHz, 2V RMS output, 30Ω load
Output Overload	: >3.3V RMS, 30Ω load
Signal-To-Noise Ratio	: >91dB (20Hz to 20kHz, A-weighted, referred to 2V RMS output); >87dB (20Hz to 20kHz, wideband, unweighted, referred to 2V RMS output)
Output Impedance	: <2.5Ω, 20Hz to 20kHz

## AMPLIFIER SECTION

Frequency Response	: <2Hz to 20kHz, +0/-0.2dB; <2Hz to 100kHz, +0/-3dB
Signal-To-Noise Ratio	: >103dB (20Hz to 20kHz, A-weighted); >100dB (20Hz to 20kHz, wideband, unweighted)
Total Harmonic Distortion + Noise	: <0.035% at 1kHz, 125W, 8Ω; <0.18% at 20kHz, 125W, 8Ω
Output Power	: 125W RMS per channel at 8Ω, 20Hz to 20kHz
Output Impedance	: <0.098Ω, 20Hz to 10kHz; <0.11Ω at 20kHz
Damping Factor	: >82, 20Hz to 10kHz; >72 at 20kHz (All referred to 8Ω)

## GENERAL

### Analog Input Connectors (N°5805 Only):

- 1 pair 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:

- 2 optical digital inputs (Toslink)
- 1 asynchronous USB digital input (USB-B)
- N°5805: 1 coaxial digital S/PDIF input (RCA)
- N°5802: 2 coaxial digital S/PDIF input (RCA)
- N°5802: 1 balanced digital AES/EBU input (XLR)

### Output Connectors:

- 1 pair single-ended line-level outputs (RCA)
- 2 pairs loudspeaker outputs (High-current binding posts with banana sockets; accept spade lugs with ¼"/6.3mm spacing up to ⅛"/3mm thick)

### Control Connectors:

- 1 RS-232 port (DB9 connector)
- 1 IR input (⅛"/3.5mm phone jack)
- 1 programmable 12V DC trigger output (⅛"/3.5mm phone jack), 100mA maximum
- 1 programmable 12V DC trigger input (⅛"/3.5mm phone jack)
- 1 Ethernet port (RJ-45 connector)

### Mains Voltage:

- 100VAC, 115VAC, or 230VAC, factory set

### Power Consumption:

- Standby, "Green" mode: <0.4W
- Standby, "Power Save" mode: 7W
- N°5805: Standby, "Normal" mode: 70W
- N°5802: Standby, "Normal" mode: 45W
- N°5805: Power on, quiescent: 120W
- N°5802: Power on, quiescent: 95W
- N°5805: Power on, both channels at ⅛ rated power: 240W
- N°5802: Power on, both channels at ⅛ rated power: 215W
- Power on, maximum: 500W

### Dimensions/Weight (Unit):

- Height: 5.72"/145mm
- Height without feet: 5.25"/133mm
- Width: 17.25"/438mm
- Depth: 19.98"/507mm
- Weight (N°5805): 62 lbs/28.1kg
- Weight (N°5802): 61 lbs/27.6kg

### Dimensions/Weight (With Packaging):

- Height: 13.0"/330mm
- Width: 24.0"/610mm
- Depth: 28.0"/711mm
- Weight (N°5805): 73 lbs/33.0kg
- Weight (N°5802): 72 lbs/32.6kg