



## SPL Phonitor X-Headphone Amplifier and Preamplifier



### Specs

## SPL Phonitor x Specs

#### Input

##### XLR

Neutrik XLR, balanced, 2-pin = (+)

Impedance: ca. 20 kOhms

CMR: -82 dBu (at 1 kHz)

Maximum Input Level: 32.5 dBu

##### RCA

RCA, unbalanced

Impedance: ca. 10 kOhms

Maximum Input Level: 32.5 dBu

#### Output

##### Balanced Headphone

Neutrik 4-pin XLR connector

Pin wiring: 1= L (+), 2= L (-), 3= R (+), 4= R (-)

Impedance: 0.36 Ohms

Damping Factor: 180 @ 40 Ohms

Frequency Range: 10 Hz to 300 kHz ( -3 dB)

Crosstalk at 1 kHz: -90 dB

THD & N: 0.00091 % (at 0 dBu, 1 kHz, 100 kOhms load)

Noise (A-weighted): -98 dBu

Dynamic Range: 130.5 dB

Unbalanced Headphone  
6.35 mm TRS connector  
Pin wiring: Tip = Left, Ring = Right, Sleeve = GND  
Impedance: 0.18 Ohms  
Attenuation Factor: 180 @ 40 Ohms  
Frequency Range: 10 Hz to 300 kHz (-3 dB)  
Crosstalk at 1 kHz: -90 dB  
THD & N: 0.00091% (at 0 dBu, 1 kHz, 100 kOhms load)  
Noise (A-weighted): -103 dB  
Dynamic Range: 135.5 dB

Speaker/Line Outputs  
Neutrik XLR, balanced, 2-pin = (+)  
RCA, unbalanced (single-ended)  
Frequency Range: 4 Hz to 300 kHz (-3 dB)  
Crosstalk at 1 kHz: -106 dB  
THD & N: 0.00085 % (at 0 dBu, 1 kHz, 100 kOhms load)  
Noise (A-weighted): -103.8 dB  
Dynamic Range: 136.3 dB

---

Maximum Output Power

At +30 dBu @ 1 kHz  
2 x 1 W at 600 Ohms impedance  
2 x 2 W at 300 Ohms impedance  
2 x 3.7 W at 120 Ohms impedance  
2 x 2.9 W at 47 Ohms impedance  
2 x 2.7 W at 32 Ohms impedance

---

Power Supply

Main Voltage (Switchable): 115 VAC / 60 Hz or 230 VAC / 50 Hz  
Fuses: 115 V: T 1 A; 230 V: T 500 mA  
Power Consumption: Maximum 40 VA  
Stand-by Power Consumption: 0.7 W

---

Dimensions (W x H x D)

11 x 3.9 x 12.9" (28 x 9.9 x 32.8 cm) with feet

---

Weight

9.5 lb (4.3 kg)

---