

# MUSICAL FIDELITY

## kW Tube (6112) Line Preamplifier

[Print This Page](#)



### OVERVIEW

The kW preamp is technically far in advance of anything available from any other manufacturer at any price; Transistor or tube. Check out their specs. You'll see the occasional spec from the occasional manufacturer might be slightly better than the kW's but as a performance package *nothing* comes close. To all intents and purposes the kW preamp is utterly transparent. It cannot be overloaded, it has virtually no distortion, its noise ratios are incredible, it has no limitation whatever to its output capacity. The kW preamp is literally a straight wire with gain. No colouration just an amplified version of exactly what went into the input sockets. Perfection!

### FEATURES & BENEFITS

**Very high input impedance.** Offers no significant loading to any signal source. It can be driven with ease.

**Extremely high overload margin. Over 40dB.** In practice is impossible for any signal source ever to overload the kW preamp's input. Full dynamic range with no limits is what we're offering.

**Very low distortion over complete bandwidth.** Clean, clean, clean sound.

**Extremely low output impedance.** Will drive any power amp cable combination in existence without getting anywhere near its limits.

**Extremely high output voltage capacity.** The full dynamic range available all the time.

**Will deliver 20 watts** It is impossible for any power amp and cable

rms and a short term loading to cause any form of limitation  
100 watts rms peak. whatever.

**Mu Vista (6112) tubes** They don't add distortion or noise just that ineffable magic of tubes. Soft, translucent, transparent but *not* warm or coloured. Just right

## SPECIFICATIONS

### Output

<b>Voltage RMS, maximum</b>	> 62 Volts
<b>Peak-to-peak instantaneous output current</b>	4.5 Amps
<b>Impedance</b>	< 0.5 Ohm
<b>Frequency response</b>	20Hz to 30kHz $\pm$ 0.5dB

### Line inputs

<b>Total harmonic distortion + noise, 20Hz to 20kHz</b>	< 0.0068% (5 Volts output, maximum volume)
<b>Signal / noise ref. 1 Volt RMS output</b>	> 105dB ('A'-weighted, at half volume)
<b>Input sensitivity for 1 Volt RMS output</b>	240mV
<b>Input impedance</b>	500k Ohms
<b>Gain at maximum volume</b>	12.5dB (4.2 times)
<b>Overload margin</b>	35dB for rated input at maximum volume
<b>Channel separation</b>	> 84dB 20Hz to 20kHz, maximum volume
<b>Channel balance error</b>	< 0.5dB typical, worst case 1.5dB with volume control at around 8 o'clock position

### General

<b>Input impedance</b>	47k Ohms
<b>Overload margin</b>	24dB
<b>Inputs</b>	4 pairs line level RCA connectors, 1 pair (Home Theatre) direct power amplifier input RCA connectors
<b>Outputs</b>	1 pair RCA main output controlled by the

volume,  
1 pair RCA tape record fixed line level  
output.

---

**Power requirement** 115 / 230Volts or 100V AC 50 / 60Hz  
(factory pre-set), 60 Watts

---

**Weight** 20.55kg, 45.3 lbs unit only, unboxed  
25.5kg, 56.2 lbs in shipping carton

---

**Dimensions** 483 mm, 19 inches wide  
167 mm, 6.6 inches high including feet  
450 mm, 17.7 inches deep including knob  
and rear terminals

---

**Standard accessories** IEC type mains lead (10-Amp type),  
remote control (kW universal type),  
2 batteries size LR03 or AAA, manganese  
alkaline type

---