

122 and 124 dbx II Tape Noise Reduction Systems

The only consumer tape noise reduction system available which allows you to make tape copies that sound exactly the same as the original is the dbx II. It assures that no audible tape noise is added by the tape recording process. Only noise present in the original source will survive the dbx II system.

The 122 is a two-channel system, and the 124 a four-channel system, (both models switchable to record or play). However, the 124, if used for stereo, allows you to simultaneously monitor the noise-reduced signal off tape as you record. You can use both to record live, tape to tape, record to tape, and also for dubbing and taping off radio.

Complex level matching and alignment procedures are unnecessary, since these systems operate linearly, using the dbx patented true rms detectors and voltage controlled amplifiers. This is not the case with competitive systems, such



as Dolby® "B". Moreover, Dolby "B" gives you only 7 to 10 dB of high frequency noise reduction, vs. an astounding 30 dB reduction of tape background noise at all frequencies with the dbx II system. Other features include a bypass switch, power on/off plus a dbx disc playback button. The latter is to be used only to decode commercially available dbx encoded discs, which provide totally noise-free, full dynamic range music reproduction. A playback level control is provided for your convenience.

SPECIFICATIONS

Compression ratio (fixed): **2:1**

Expansion ratio: (fixed): **1:2**

Dynamic range (peak signal to weighted background noise): **110 dB**

Input impedance: **50 K**

Input level (nominal): **300 mV**

Input level (maximum) **7 v RMS**

Output impedance (designed to drive 5 K ohms or greater): **470 ohms**

Output level (maximum, 20 Hz to 20 kHz): **7 v RMS**

Frequency response: **30 Hz to 20 kHz ± .5 dB**

Input noise (unweighted, referenced to 1 v): **-85 dBv**

Total harmonic distortion: **0.5% typical, 30 Hz to 15 kHz**

I.M. distortion (SMPTE): **0.15% typical**

Power line requirement (100, 220 and 240 optional for export markets): **117 VAC, 50 to 60 Hz**

Power line consumption: **5 w (122); 7 w (124)**

Size: **3 3/4" (h) x 11" (w) x 10 1/4" (d)**
(mm: 95.25 x 279.4 x 260.35)

Shipping weight: **7 lbs. (3.17 Kg.)**

