dbx Discs and Tapes

Enjoy digital sound now.

All dbx noise reduction units decode dbx Discs and Digital dbx Discs, the first commercially available records that provide the full dynamic range of a live performance in the home.

Over 200 titles from 38 record companies are available. And we're adding more monthly.


You'll find the sound quality of dbx Discs is indistinguishable from original master recordings.

And if you prefer dbx-encoded cassette tapes, you can enjoy all the benefits of digital sound today at home or on the go.

For a full listing, pick up a catalog at your dbx dealer.

Specifications

<table>
<thead>
<tr>
<th>Channels</th>
<th>224/222</th>
<th>22</th>
<th>3BX Series Two</th>
<th>1BX Series Two</th>
<th>228</th>
<th>120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic Range</td>
<td>110dB</td>
<td>100dB</td>
<td>100dB</td>
<td>100dB</td>
<td>100dB</td>
<td>100dB</td>
</tr>
<tr>
<td>Tone Control Range</td>
<td>1 dB boost/cut at 30Hz</td>
<td>25Hz</td>
<td>1 dB boost/cut at 30Hz</td>
<td>25Hz</td>
<td>1 dB boost/cut at 30Hz</td>
<td>25Hz</td>
</tr>
<tr>
<td>Input Impedance</td>
<td>50k ohms</td>
<td>50k ohms</td>
<td>50k ohms</td>
<td>50k ohms</td>
<td>4k ohms</td>
<td>4k ohms</td>
</tr>
<tr>
<td>Input Level (normal)</td>
<td>300mV</td>
<td>300mV</td>
<td>300mV</td>
<td>300mV</td>
<td>300mV</td>
<td>300mV</td>
</tr>
<tr>
<td>Input Level (max)</td>
<td>1.5V RMS</td>
<td>1.5V RMS</td>
<td>1.5V RMS</td>
<td>1.5V RMS</td>
<td>1.5V RMS</td>
<td>1.5V RMS</td>
</tr>
<tr>
<td>Output Impedance</td>
<td>1k ohms</td>
<td>1k ohms</td>
<td>1k ohms</td>
<td>1k ohms</td>
<td>1k ohms</td>
<td>1k ohms</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>20Hz to 20kHz ± 0.5Hz</td>
<td>20Hz to 20kHz ± 0.5Hz</td>
<td>20Hz to 20kHz ± 0.5Hz</td>
<td>20Hz to 20kHz ± 0.5Hz</td>
<td>20Hz to 20kHz ± 0.5Hz</td>
<td>20Hz to 20kHz ± 0.5Hz</td>
</tr>
<tr>
<td>Equivalent Input Noise</td>
<td>-85dBV (unweighted)</td>
<td>-85dBV (unweighted)</td>
<td>-85dBV (unweighted)</td>
<td>-85dBV (unweighted)</td>
<td>-85dBV (unweighted)</td>
<td>-85dBV (unweighted)</td>
</tr>
<tr>
<td>Terminal Power Consumption</td>
<td>0.1%</td>
<td>0.1%</td>
<td>0.1%</td>
<td>0.1%</td>
<td>0.1%</td>
<td>0.1%</td>
</tr>
<tr>
<td>I.M. Distortion (SMpte)</td>
<td>0.2%</td>
<td>0.2%</td>
<td>0.2%</td>
<td>0.2%</td>
<td>0.2%</td>
<td>0.2%</td>
</tr>
<tr>
<td>Connectors</td>
<td>RCA type phone connectors</td>
<td>RCA type phone connectors</td>
<td>RCA type phone connectors</td>
<td>RCA type phone connectors</td>
<td>RCA type phone connectors</td>
<td>RCA type phone connectors</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>117VAC/50/60Hz</td>
<td>117VAC/50/60Hz</td>
<td>117VAC/50/60Hz</td>
<td>117VAC/50/60Hz</td>
<td>117VAC/50/60Hz</td>
<td>117VAC/50/60Hz</td>
</tr>
<tr>
<td>Power Line Consumption</td>
<td>3W (200 Hz, 60 Hz)</td>
<td>2W (120 Hz, 60 Hz)</td>
<td>2W (120 Hz, 60 Hz)</td>
<td>2W (120 Hz, 60 Hz)</td>
<td>2W (120 Hz, 60 Hz)</td>
<td>2W (120 Hz, 60 Hz)</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>17&quot; x 10 1/2&quot; x 3 1/2&quot;</td>
<td>17&quot; x 10 1/2&quot; x 3 1/2&quot;</td>
<td>17&quot; x 10 1/2&quot; x 3 1/2&quot;</td>
<td>17&quot; x 10 1/2&quot; x 3 1/2&quot;</td>
<td>17&quot; x 10 1/2&quot; x 3 1/2&quot;</td>
<td>17&quot; x 10 1/2&quot; x 3 1/2&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>4-3/4 lbs.</td>
<td>4-1/2 lbs.</td>
<td>4-1/2 lbs.</td>
<td>4-1/2 lbs.</td>
<td>4-1/2 lbs.</td>
<td>4-1/2 lbs.</td>
</tr>
</tbody>
</table>

20/20

**EQUIVALIZER**

**Number of Bands** 10

**Bandwidth** Octave

**Filter Type** Fixed frequency, two pole symmetrical "peaking/decline," digitally controlled

**Center Freqencies** 51.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz

**Equalization Range** +14, -15dB, one band at maximum or minimum, all others centered

**Resolution of Settings** 1dB

**Accuracy of Equalization** ±1dB at full boost or cut, ±1/2dB @ 1kHz

**Max Input Level** +15dBV

**Max Output Level** +15dBV

**Output Noise** Cell filters < -80dB "A" weighted Gain 0dB

**Input Impedance** 4k ohms

**Output Impedance** 4k ohms

**ANALYZER**

**Filter Type** Fixed frequency, two pole bandpass, 0 to 2.5kHz

**Dynamic Range** Residual 20dB

**Input Sensitivity** 20mV

**Input Impedance** 1k ohms

**Output Impedance** 1k ohms

**Analyzer**

**Type** Fixed frequency, two pole bandpass, 0 to 2.5kHz

**Dynamic Range** Residual 20dB

**Input Sensitivity** 20mV

**Input Impedance** 1k ohms

**Output Impedance** 1k ohms

**Microphone**

**Type** Electret condenser, omnidirectional

**Frequency Response** ±1dB, 1kHz to 1kHz, measured on an octave band basis (6000 Hz), equalized via internal network in analyzer

**Cable Length** 25 feet

**GENERAL**

**Dimensions (W x H x D)** 19" x 6 1/4" x 12 1/2"

**Connectors** RCA type phone connectors

**Power Requirements** 117VAC, 50/60Hz

**Inputs** Main (from preamp tape output/Mic Taper (tape recorder output)

**Outputs** Main (to pre-amplifier input/Tape to tape recorder outputs)

**Batteries** 2 AAA alkaline required, supplied with unit

**dbx Incorporated**

71 Chapel Street, Box 100C, Newton, Mass. 02158 U.S.A.

Tel. (617) 964-3310 Fax: 92-2522

dbx Music can't live without us.