Dear Valued Customer,

Congratulations! You are the proud owner of a high-quality Earthquake Subwoofer.

Earthquake Sound Corporation, located in Menlo Park California at the heart of the San Francisco Bay Area; specializes in manufacturing high end car audio products ranging from the smallest titanium tweeter to the world’s largest amplifier. In its dedication to excellence, Earthquake has maintained extensive programs in research and development to provide you with the highest quality mobile audio products.

This owners manual is designed to better acquaint you with Earthquake products and to guide you through all phases of system design and application. It is imperative that you read this manual in its entirety. Earthquake technicians and staff are looking forward to answering any questions you might have.

**CAUTION:** Earthquake Audio products are capable of producing over 140dB and are commonly used for high powered audio systems. Prolonged exposure to SPL levels of over 100dB will cause permanent hearing damage. We at Earthquake ask you to please exercise extreme caution when using our product for competition or every day use.

### SUBWOOFER SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SIZE</th>
<th>MAX POWER Watts</th>
<th>VOICE COIL</th>
<th>FS Hz</th>
<th>REV C Ohms</th>
<th>BL Tm</th>
<th>QMS</th>
<th>QES</th>
<th>QTS</th>
<th>VAS Cubic Feet</th>
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</thead>
<tbody>
<tr>
<td>MAGMA-12</td>
<td>12&quot;</td>
<td>1500</td>
<td>Dual 3&quot; (2x3.2 ohms)</td>
<td>30.33</td>
<td>5.74</td>
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<td>Dual 3&quot; (2x3.2 ohms)</td>
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<td>Dual 2&quot; (2x4 ohms)</td>
<td>34.31</td>
<td>7.2</td>
<td>15.7</td>
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<td>0.446</td>
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<td>DBX-10R</td>
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<td>800</td>
<td>Single 2&quot; (4 ohms)</td>
<td>29.28</td>
<td>10.5</td>
<td>21.9</td>
<td>5.0278</td>
<td>0.604</td>
<td>0.54</td>
<td>0.8</td>
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<td>7.4</td>
<td>25.5</td>
<td>5.3063</td>
<td>0.326</td>
<td>0.307</td>
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<td>12</td>
<td>7.4238</td>
<td>0.837</td>
<td>0.736</td>
<td>4.9</td>
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</table>
According to Ohm laws, when speakers are wired in series, the total impedance ($R_{\text{total}}$) of the speakers equals the sum of the impedances of every speaker.

$R_{\text{total}} = R_1 + R_2$

$R_{\text{total}} = R_1 + R_2 + R_3$

$R_{\text{total}} = R_1 + R_2 + R_3 + R_4$

According to Ohm laws, when speakers are wired in parallel, the formula is:

$$\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \ldots + \frac{1}{R_n}$$

where $R$ is the total system impedance.

$R = \frac{R_1 R_2}{R_1 + R_2}$

$R = \frac{R_1 R_2 R_3}{(R_1 R_2) + (R_1 R_3) + (R_3 R_2)}$

$R = \frac{R_1 R_2 R_3 R_4}{(R_1 R_2 R_3) + (R_1 R_2 R_4) + (R_1 R_3 R_4) + (R_2 R_3 R_4)}$
#1 in Sound Quality, #1 in SPL...

“In sound quality and low frequency extension, the Earthquake MAGMAs excel leaving all other woofers behind” May 1999 CA&E. “With nearly 22mm of linear excursion (four times longer than other sub), and a hefty 3” 4-layer dual voice coil; the MAGMAs make sealed box bass an octave lower than any other woofer.”
May 1999 CA&E.

Specifications are subject to change without notice. Dimensions shown are external Dimensions using 3/4” MDF.
Specifications are subject to change without notice. Dimensions shown are external Dimensions using 3/4” MDF.
DBXR-8D

DBX-R-10D & DBXR-10

Specifications are subject to change without notice. Dimensions shown are external Dimensions using 3/4" MDF.
DBX12D & DBXR-12

#1 Bass head design for competition
16 1/2"

#1 Passive tuned design for DRONE TUNED BOX
VB = 2 1/2 ft³
FB = optimized with SLAPS-12 passive

#2 Port tuned design for deep bass
19"

#3 Sealed design for tight bass
14"

DBXR-15D

#1 Bass head design for competition
22"

#1 Passive tuned design for DRONE TUNED BOX
VB = 2 1/2 ft³
FB = optimized with SLAPS-15 passive

#2 Port tuned design for deep bass
23"

#3 Sealed design for tight bass
17"

Specifications are subject to change without notice. Dimensions shown are external Dimensions using 3/4” MDF.
TremorX-8

#1 Bass head design for competition

#2 Port tuned design for deep bass

#3 Sealed design for tight bass

TremorX-10

#1 Bass head design for competition

#2 Port tuned design for deep bass

#3 Sealed design for tight bass

Specifications are subject to change without notice. Dimensions shown are external Dimensions using 3/4” MDF.
TremorX-12

#1 Bass head design for competition

#1 Passive tuned design for deep bass small volume

#2 Port tuned design for deep bass

#3 Sealed design for tight bass

TremorX-15

#1 Bass head design for competition

#1 Passive tuned design for deep bass small volume

#2 Port tuned design for deep bass

#3 Sealed design for tight bass

Specifications are subject to change without notice. Dimensions shown are external Dimensions using 3/4” MDF.