

# KAPTION AUDIO

## ***SRX SERIES SUBWOOFER*** OWNERS MANUAL & INSTALL GUIDE

***SRX 1002***

***SRX 1004***

***SRX 1202***

***SRX 1204***

**Introduction:**

Congratulations on your new purchase of Kaption Audio loudspeakers. These loudspeakers are engineered to reproduce music that is so detailed; you will hear music in a whole new dimension. State of the art technology, rigorous testing, superior materials, innovative design and painstaking quality control; these entire factors make for a truly superior product.

For the best performance we recommend you have an authorized Kaption Audio dealer install your product.

**KAPTION AUDIO LOUDSPEAKERS COME WITH A ONE-YEAR PARTS AND LABOUR LIMITED WARRANTY.**

**Design Features:**

- Custom Designed Stamped Steel Basket
- 52oz High Intensity Grade Ferrite Magnet
- Vacuum Formed Poly-Mica Cone
- 2 inch Voice Coil on Aluminum Former
- Dual 2 ohm or 4 ohm Voice Coils

**CAUTION:**

**Extended exposure to sound pressure levels over 100db may cause permanent hearing loss.**

**Kaption Audio accepts no liability for any damaged or permanent hearing loss.**

### **Limited Warranty Information:**

Kaption Audio loudspeakers have a **one-year limited warranty**. This warranty covers the original purchaser of a Kaption Audio speaker, purchased from an authorized Kaption Audio dealer.

In order to receive service, proof of purchase is required stating the customer's name, dealer name, product purchased and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced with a product deemed to be equivalent at Kaption Audios discretion.

### **What is not covered**

1. Any product not purchased from an authorized Kaption Audio dealer.
2. Any expense related to the removal, reinstallation or shipment of any Kaption Audio products.
3. Any Kaption Audio product that has been defaced or altered.
4. Subsequent damage to other components.
5. Damage caused by accident, abuse, improper operation, water and theft.

### **How to obtain service**

To obtain service on a Kaption Audio product, Please return product along with original receipt to an authorized Kaption Audio dealer or call 1-866-KAPTION (527-8466)

## **Specifications**

<b>Model</b>	<b>SRX-10D2</b>	<b>SRX-10D4</b>	<b>SRX-12D2</b>	<b>SRX-12D4</b>
Speaker Size	10"	10"	12"	12"
Sensitivity (1w/1m)	83.5	83.1	86.4	86.1
Power Handling (RMS/Po)	325/650	325/650	350/700	350/700
Impedance	Dual 2ohm	Dual 4ohm	Dual 2ohm	Dual 4ohm
Voice Coil Diameter	2"	2"	2"	2"
Mounting Depth	4.9"	4.9"	5.4"	5.4"
Magnet Weight	54oz	54oz	54oz	54oz

## **Thiele-Small Parameters**

<b>Model</b>	<b>SRX-10D2</b>	<b>SRX-10D4</b>	<b>SRX-12D2</b>	<b>SRX-12D4</b>
Fs (Hz)	31	33	31	28
Qts	0.55	0.45	0.43	0.46
Qms	7	7.5	7.4	7.2
Qes	0.46	0.5	0.59	0.48
Res (ohms)	3.6	3.6	3.6	3.6
Xmax (mm)	13	13	13	13
Vas (liter)	27	27	59	59
Mms (g)	151	151	151	151
Cms	168	168	168	168
BI (T*M)	15.2	20.4	13.4	19.5

*Specifications subject to change without notice*

## **Recommended Enclosures**

This manual offers you two separate types of enclosures, sealed and ported. These two types of enclosures will give you different types of performance to better suit your application.

When building a sealed or ported enclosure, the most important thing to remember is that the enclosure should be airtight. You can seal all the seams with glue or any type of sealant. This should prevent any air leaks. The seams should also be nailed with finishing nails to add extra durability. We recommend you use 3/4 inch MDF (Medium Density Fiberboard) when building any enclosure.

Remember to account for all sources of volume displacements (i.e. speaker, braces and/ or ports) when calculating box size.

## **Calculating Enclosure Volume**

$$\frac{\text{Height} \times \text{Width} \times \text{Depth (internal dimensions in inches)}}{1728} = \text{Volume in cubic feet.}$$

## **Box Recommendations**

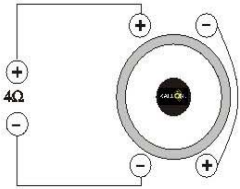
<b>Sealed Enclosure</b>	<b>SRX-10D2</b>	<b>SRX-10D4</b>	<b>SRX-12D2</b>	<b>SRX-12D4</b>
<b>Musical</b>	0.75cu.ft	0.75cu.ft	1.0cu.ft	1.0cu.ft

<b>Ported Enclosure</b>	<b>SRX-10D2</b>	<b>SRX-10D4</b>	<b>SRX-12D2</b>	<b>SRX-12D4</b>
<b>Musical (cu.ft)</b>	1.25	1.25	1.4	1.4
<b>Port (inches)</b>	3x8	3x8	3x10.75	3x10.75

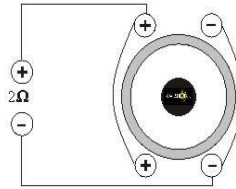
You can create an impedance load to best suit your application. You can choose to run your system in series, parallel or series-parallel to achieve the load that is suitable for your amplifier. Below is a diagram to show you different types of loads.

**Wiring Diagram**

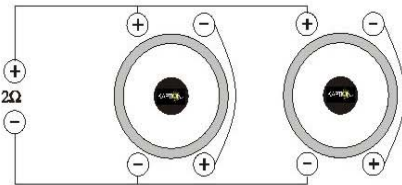
*(1) 2 ohm DVC Speaker = 4ohm load*



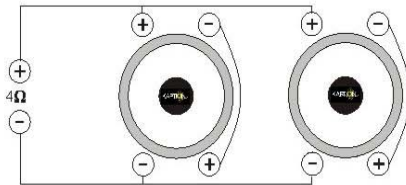
*(4) 4 ohm DVC Speaker = 2ohm load*



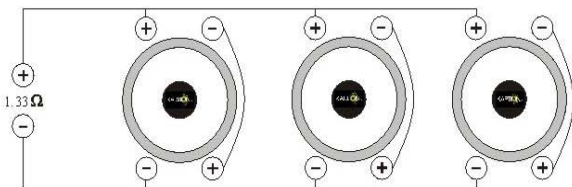
*(2) 2 ohm DVC Speaker = 2 ohm load*



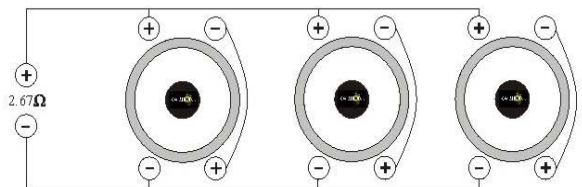
*(5) 4 ohm DVC Speaker = 4 ohm load*



*(3) 2 ohm DVC Speakers = 1.33 ohm Load*



*(6) 4 ohm DVC Speakers = 2.67 ohm Load*



# KAPTION AUDIO

[www.kaptionaudio.com](http://www.kaptionaudio.com)

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