

# USER'S MANUAL

## AR100DVC

10" (254 mm)

DUAL 4 Ω VOICE COIL SUBWOOFER



**BOSS**<sup>®</sup>  
AUDIO SYSTEMS



**Congratulations on your purchase of the Boss Audio ARMOR Series Subwoofer. Boss Audio takes great pride in producing products that look great, sound great, and stand up to the daily rigors applied by audio enthusiasts around the world.**



# **BOSS**<sup>®</sup> AUDIO SYSTEMS



## **AR100DVC 10" (25.4cm) Subwoofer**

- *Dual 4  $\Omega$  Voice Coils*
- *1400 W Peak Power Handling*
- *2"(51mm) High Temperature Voice Coil*
- *Butyl Rubber Surround*



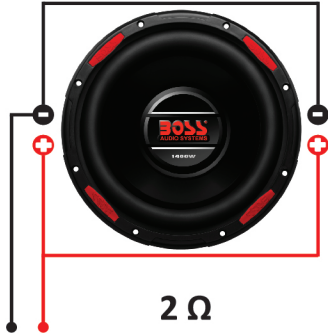
## Product Specifications

Impedance	8 $\Omega$ (Series)
Resonant Frequency	36 Hz
Qts	1.044
Qms	5.449
Qes	1.291
Vas	1.049 ft <sup>3</sup> (29.7 liters)
Xmax	7.54 mm
Sensitivity (1 W/ 1 m)	85 dB
Peak Power Handling	1400 W
Mounting Depth	4-7/8" (123mm)
Cutout Diameter	9-5/16" (236mm)

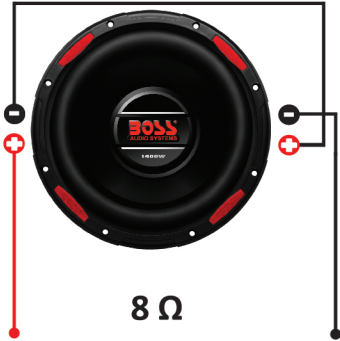
# BOSS<sup>®</sup> AUDIO SYSTEMS

## Wiring your Subwoofer

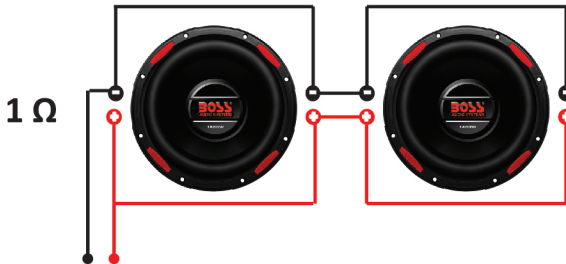
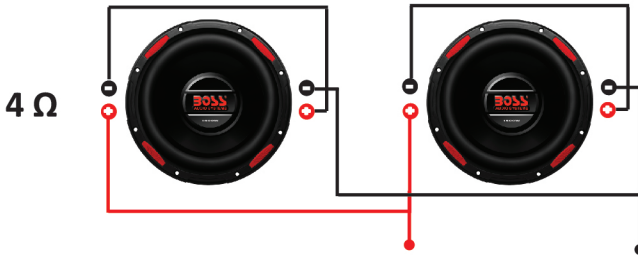
Parallel



Series



## Multiple Subwoofers





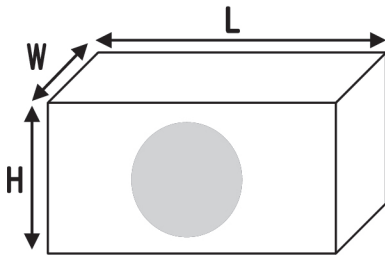
## Enclosures

The AR100DVC will work in both sealed and ported enclosures. A sealed enclosure will yield a more linear response. A ported enclosure will roughly increase bass response about 3 – 6 dB.

Below you will find the dimensions to make the enclosure to suit the subwoofers needs, it has been designed for maximum output while retaining great sound quality.

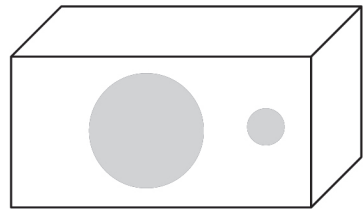
The dimensions have already accounted for the volume displacement of the subwoofer, and using 3/4" (19mm) MDF. All dimensions are external.

## Enclosure Dimensions



### Sealed Dimensions:

Length (L) : 15.9"(405mm)  
Width (W) : 11.8"(300mm)  
Height (H) : 10"(256mm)  
Cutout Diameter: 9.29"(236mm)  
Int. Volume: 1.0 ft<sup>3</sup>



### Ported Dimensions:

Length (L) : 16.1"(410mm)  
Width (W) : 11"(280mm)  
Height (H) : 8.3"(210mm)  
Port Diameter : 3"(76.2mm)  
Port Length : 13.6"(345.4mm)  
Port Freq : 38.5 Hz  
Cutout Diameter: 9.29"(236mm)  
Int. Volume: 0.8 ft<sup>3</sup>





## **Technical Support**

If you need technical support with your Boss Audio product or have questions about its use, please contact us:

**805.751.4853**

**[www.BossAudio.com](http://www.BossAudio.com)**

Due to ongoing product development, specifications are subject to change without notice.

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