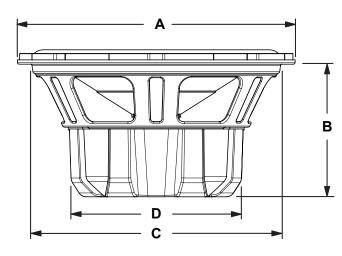
Congratulations on your choice of a MB Quart subwoofer. This "Quick Start Installation" guide is meant to help you "hook up" and play music. For more detailed information on system setting, speaker and subwoofer configuration, and full specifications by model, visit the website at MBQuart.com

Always consider consulting a professional audio installer before installing new subwoofers. High power audio systems have the ability create sound levels above 130dB. Extended exposure to high sound pressure levels can cause hearing damage. Always run any new wiring through safe areas that wont interfere with the normal operation of the vehicle.

CAUTION

# **Subwoofer dimensions**



in(cm)	А	В	С	D
FW1-254	10.09"(25.6)	4.94"(12.54)	9.1"(23.1)	5.6"(14.4)
FW1-304	12.19"(30.9)	5.59"(13.53)	11.00"(28)	6.3"(16)

# **Before you start**

It's a good idea to confirm that you have purchased the correct size subwoofers to fit your vehicle. If you have any reservations about being able to complete the installation yourself, we recommend contacting a professional. Be careful as you go. Always disconnect the negative battery terminal before starting any electrical work on the vehicle.

# **Enclosure types**

#### Sealed

Sealed enclosures offer a range of performance profiles depending on the internal air volume. Larger enclosures will have a smoother more extended response while a small enclosure will have increased output in a more focused frequency range. Sealed enclosures are the simplest to construct but do require that the box be completely air tight.



Vented designs are NOT recommended. This subwoofer is designed to perform in small sealed enclosures.

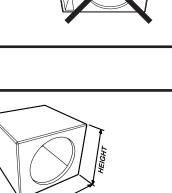


# **Volume calculation**

The internal volume of the enclosure must be determined to insure proper performance. Simply measure height, width and depth of enclosure you intend to build. Subtract the material thickness. Multiply these numbers and divide by 1728 to get the volume in cubic feet.

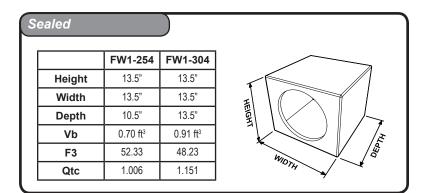
For enclosures with an angled panel, measure the larger and smaller depths, add these together and divide by two. Use this averaged depth.

 $\frac{\text{Enclosure}}{\text{Volume}} = \frac{\text{H x W x D}}{1728}$ 



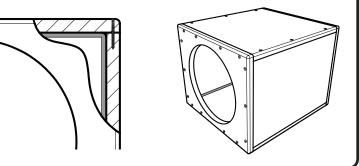
DEPTH 1

## **Recommended enclosures**

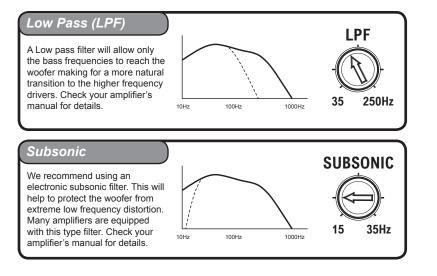


### **Enclosure construction**

Use 3/4" MDF Make sure the woofer mounting panel is full width and height Glue all mating surfaces Use wood screws Use silicone caulk on all internal joints



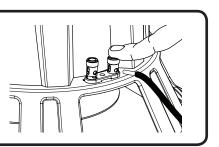
## Crossovers



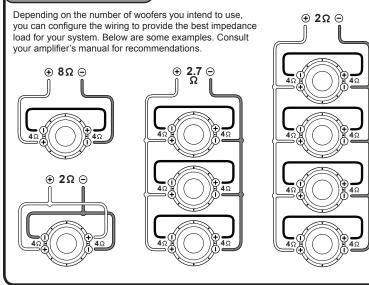
# Wiring

#### Connections

This subwoofer is equipped with push and insert type terminals. Strip back 1/2" wire insulation. Push down on the terminal, then insert the wire and release.



#### Configurations

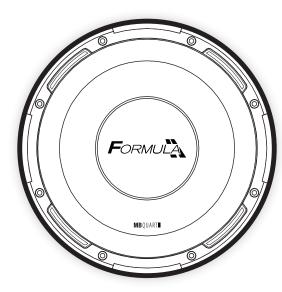


# **Subwoofer specifications**

	FW1-254	FW1-304	
NomZ	2 x 4	2 x 4	Ohm
Sd	34.636	51.071	sq.cm
Revc	3.400	3.400	Ohm
BL	7.563	9.482	TxM
Vas	27.138	60.935	Liters
Cms	159.304	164.524	mm/N
Mms	84.857	143.584	Grams
Fo	43.288	32.745	Hz
Qms	7.518	4.318	
Qes	1.372	1.117	
Qts	1.160	0.888	
no	0.155	0.185	%
SPL@1W	83.9	84.7	dB
RMS	300	400	Watts
Peak	600	800	Watts



# Quick Start Installation Guide



# MBQuart.com #MUSIC DEFINED

#### WARRANTY

Maxxsonics USA Inc. warrants this product, to the original consumer purchaser, to be free from defects in material and workmanship for a period of one (1) year from the date of purchase. Maxxsonics USA Inc. will, at it's discretion, repair or replace defective products during the warranty period. Components that prove to be defective in materials and workmanship under proper installation and use must be returned to the original authorized Maxxsonics USA Inc. retailer from where it was purchased. A photocopy of the original receipt must accompany the product being returned. The costs associated with removal, re-installation and specifically excludes any incidental or consequential damages connected therewith. To view the full warranty, please visit the website.

MB Quart products are designed and engineered in the USA by

FW1-254 FW1-304

www.maxxsonics.com