

ONYX

ONX254 / ONX254SQ / ONX302 / ONX304 ONX304SQ

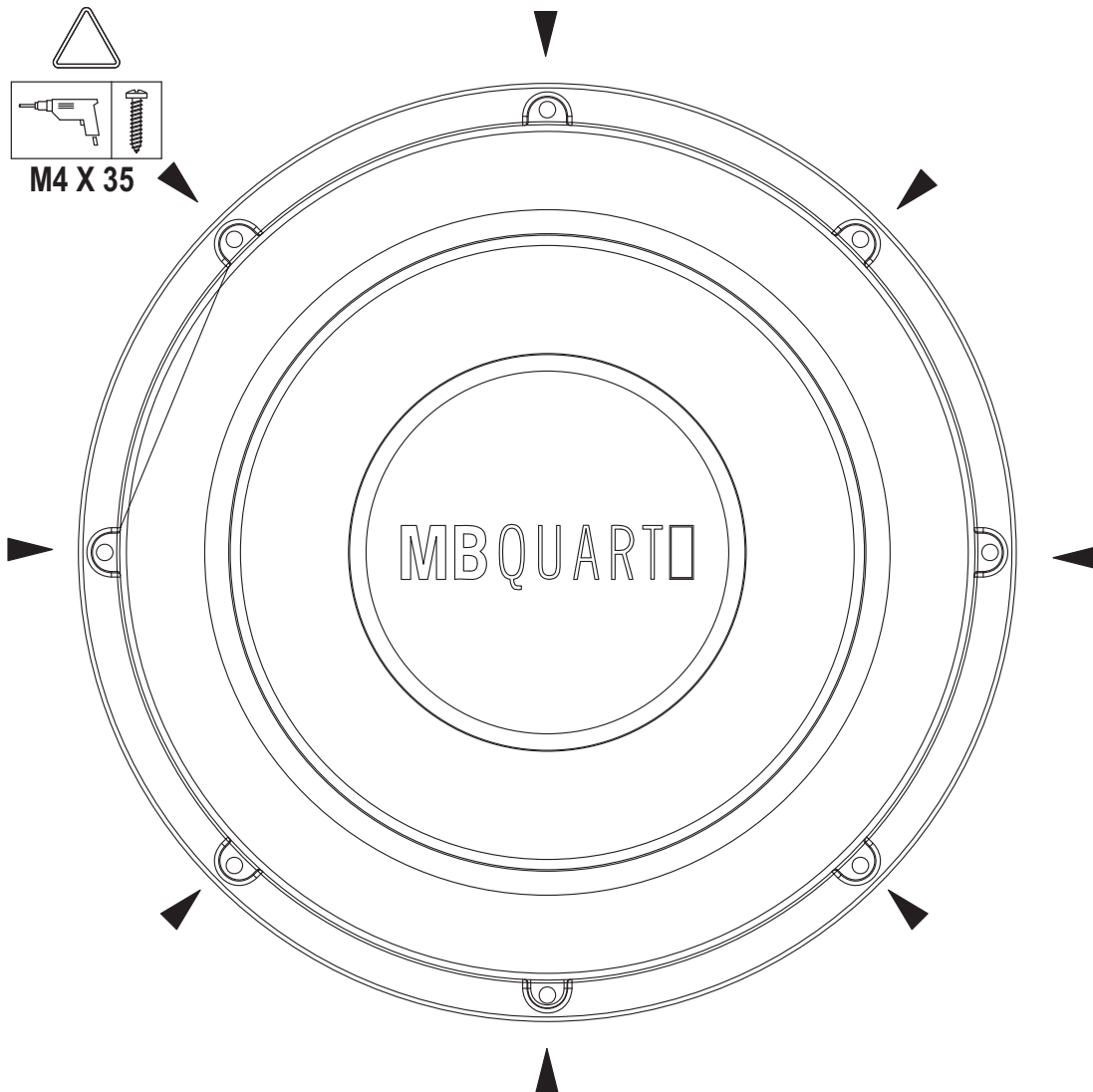
Thank you for choosing the MB Quart ONYX subwoofer for your car audio sound system. With proper installation, you are on the path to experiencing your music in a way you only imagined possible. Here at MB Quart, we call this "Sound In Every Detail."

The ONYX series subwoofers have been designed for the enthusiast looking for incredible bass and great cosmetics in their woofer. The ONYX series subwoofer feature the following:

- Illuminating ONYX Logo
- Gloss Black Polypropylene Cone
- NBR Rubber Surround
- Red Nomex Spider
- Spade Style Speaker Terminals
- High Energy Magnet
- Heat-Dispersing Vented Pole Plate
- Anti-Resonant ABS Magnet Cover



The diagram below shows a screw pattern for mounting your subwoofer.



ILLUMINATION WIRING:

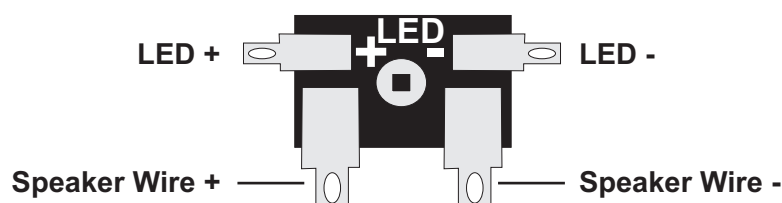
Option 1

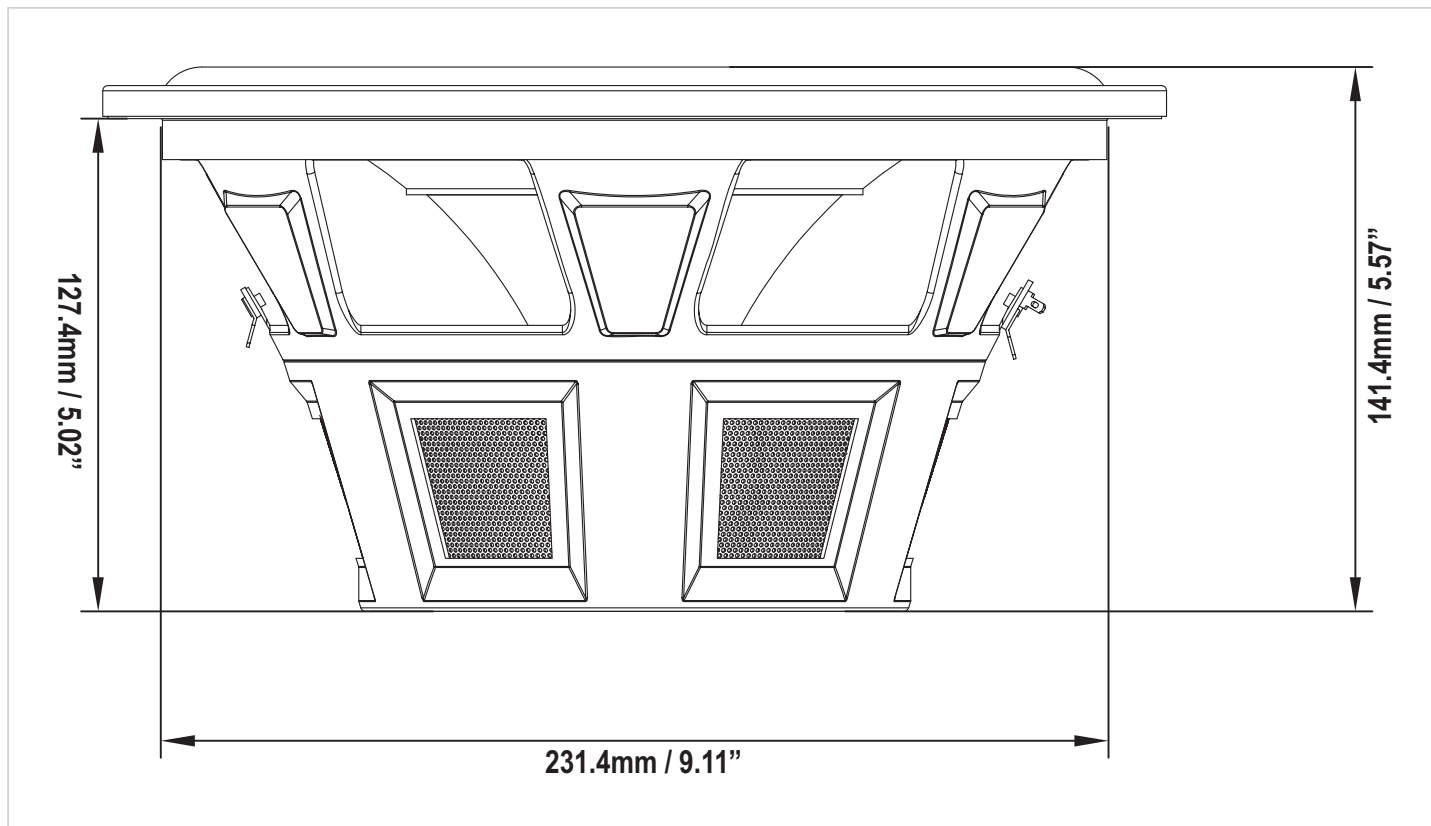
- Connect the LED + spade terminal to an accessory switched 12 volt wire. This wire should have +12V when the ignition key is "on" and 0 volts when the ignition key is "off". You can use a toggle switch in line on this wire to manual turn the illumination off if desired and this 12V+ wire must have a 5 amp fuse in line.

Option 2

- Connect the LED + spade terminal to the Radio / CD player "remote out" wire which is also connected to the amplifier "remote" input terminal. This wire will show 12 volts when the radio is "on" and 0 volts when the radio is "off"

Connect the LED - spade terminal to chassis ground.





TECHNICAL DATA

Power Rating: 400-800 W
 Impedance: DVC 4 ohms
 Sensitivity: 88 dB (1W/1m)
 Frequency Response: 35-150 Hz

COMPRISING:

1 woofer 25.4 cm / 10"

TECHNISCHE DATEN

Belastbarkeit: 400-800 W
 Impedanz: DVC 4 ohms
 Empfindlichkeit: 88 dB (1W/1m)
 Übertragungsbereich: 35-150 Hz

BESTÜCKUNG:

1 woofer 25.4 cm / 10"

CARACTÉRISTIQUES TECHNIQUES

Puissance: 400-800 W
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DATOS TÉCNICOS

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EQUIPAMIENTO:

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DATI TECNICI

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DOTAZIONE:

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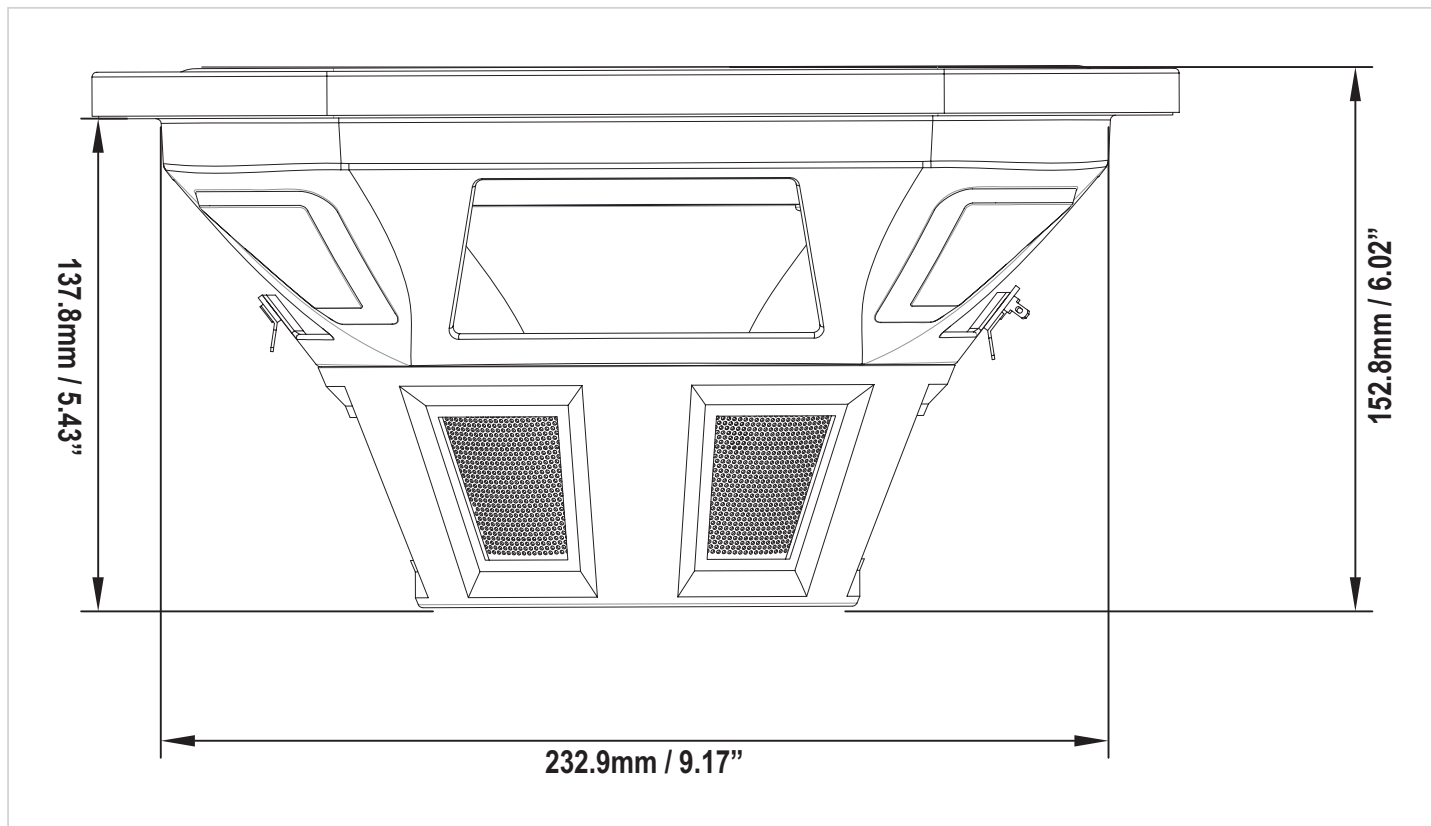
Технические Данные

Нагрузочная способность: 400-800 Вт
 Импеданс: DVC 4 ом
 Рабочая мощность: 88 дБ (1Вт/1м)
 Диапазон передачи: 35 - 150 Гц

Оснащение:

1 woofer 25.4 cm / 10"

Subject to technical changes · Technische Änderungen vorbehalten · Sous réserve de modifications techniques · Ci si riservano modifiche tecniche
 Reservados los cambios técnicos · Производитель оставит за собой право на технические изменения



TECHNICAL DATA

Power Rating: 400-800 W
 Impedance: DVC 4 ohms
 Sensitivity: 87.7 dB (1W/1m)
 Frequency Response: 35-150 Hz

COMPRISING:

1 woofer 25.4 cm / 10"

TECHNISCHE DATEN

Belastbarkeit: 400-800 W
 Impedanz: DVC 4 ohms
 Empfindlichkeit: 87.7dB (1W/1m)
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BESTÜCKUNG:

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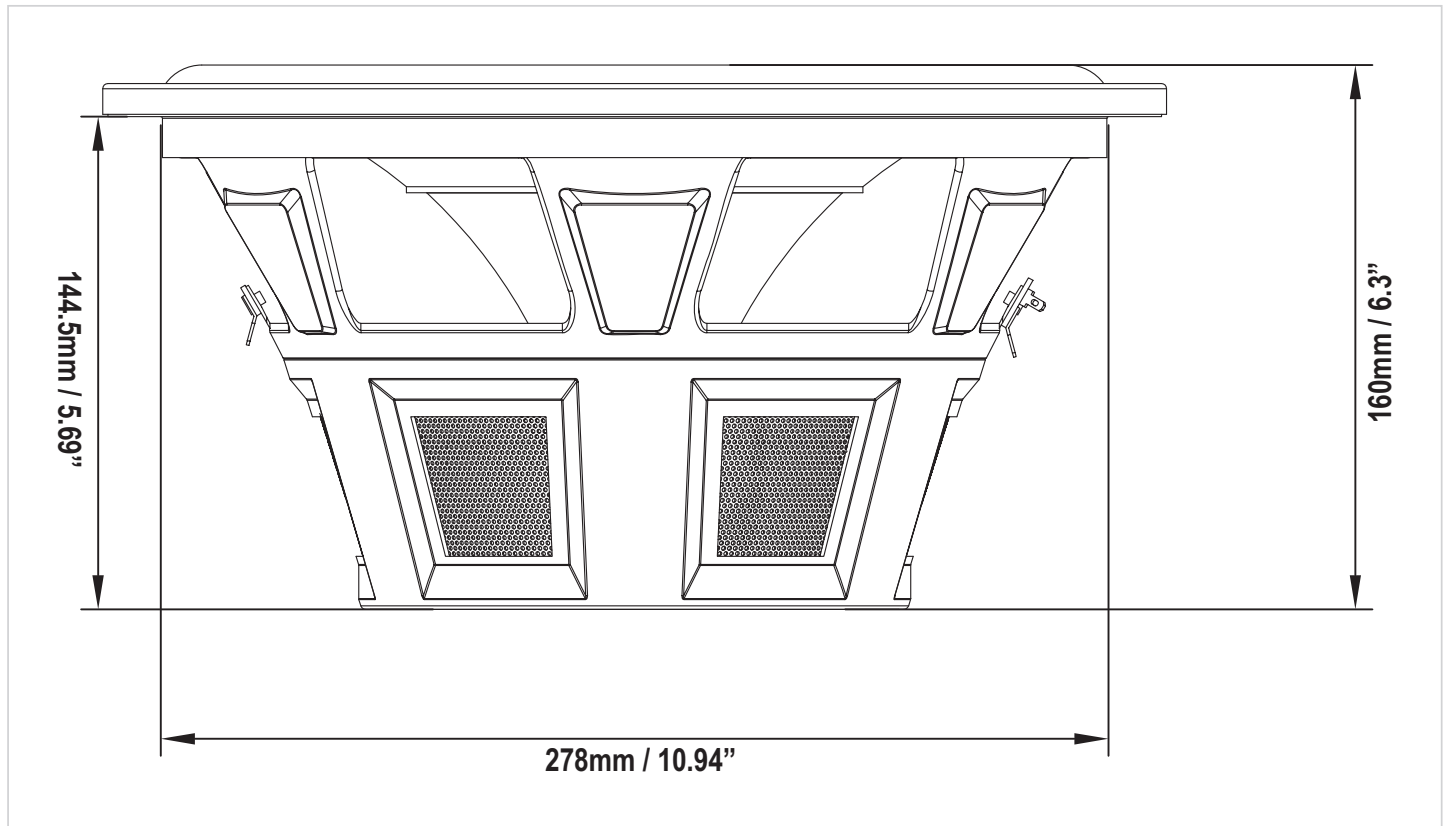
Технические Данные

Нагрузочная способность: 400-800 Вт
 Импеданс: DVC 4 ом
 Рабочая мощность: 87.7дБ (1Вт/1м)
 Диапазон передачи: 35 - 150 Гц

Оснащение:

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TECHNICAL DATA

Power Rating: 400-800 W
 Impedance: DVC 2 ohms / DVC 4 ohms
 Sensitivity: 85 dB (1W/1m)
 Frequency Response: 25-150 Hz

COMPRISING:

1 woofer 30.48 cm / 12"

TECHNISCHE DATEN

Belastbarkeit: 400-800 W
 Impedanz: DVC 2 ohms / DVC 4 ohms
 Empfindlichkeit: 85 dB (1W/1m)
 Übertragungsbereich: 25-150 Hz

BESTÜCKUNG:

1 woofer 30.48 cm / 12"

CARACTÉRISTIQUES TECHNIQUES

Puissance: 400-800 W
 Impédance: DVC 2 ohms / DVC 4 ohms
 Rendement: 85 dB (1W/1m)
 Bande passante: 25-150 Hz

EQUIPEMENT:

1 woofer 30.48 cm / 12"

DATOS TÉCNICOS

Carga admisible: 400-800 W
 Impedancia: DVC 2 ohms / DVC 4 ohms
 Potencia de servicio: 85 dB (1W/1m)
 Campo de transmisión: 25-150 Hz

EQUIPAMIENTO:

1 woofer 30.48 cm / 12"

DATI TECNICI

Potenza: 400-800 W
 Impedenza: DVC 2 ohms / DVC 4 ohms
 Sensibilità: 85 dB (1W/1m)
 Risposta in frequenza: 25-150 Hz

DOTAZIONE:

1 woofer 30.48 cm / 12"

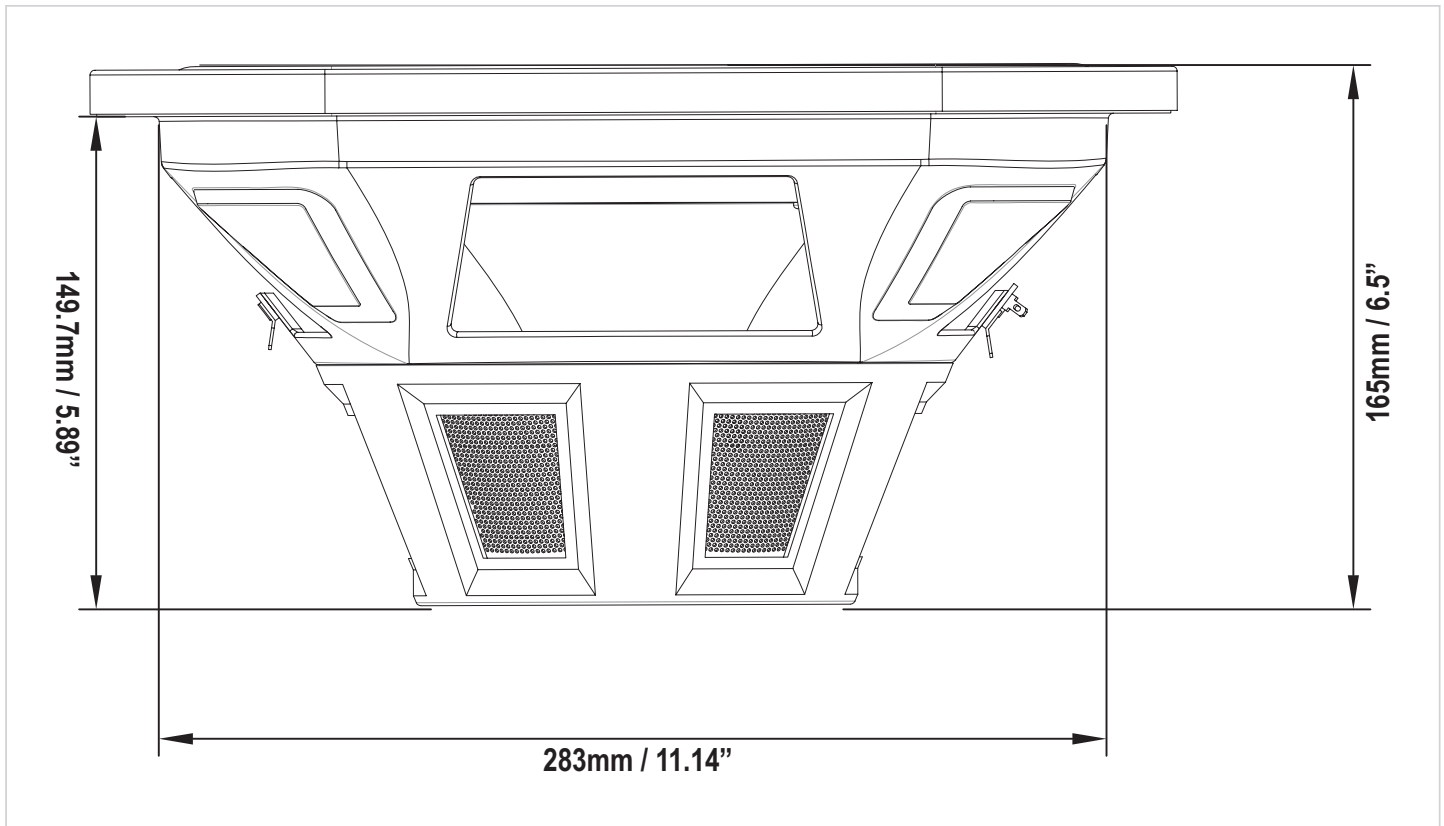
Технические Данные

Нагрузочная способность: 400-800 Вт
 Импеданс: DVC 2 om / DVC 4 om
 Рабочая мощность: 85 дБ (1Вт/1м)
 Диапазон передачи: 25-150 Гц

Оснащение:

1 woofer 30.48 cm / 12"

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TECHNICAL DATA

Power Rating: 400-800 W
 Impedance: DVC 4 ohms
 Sensitivity: 86 dB (1W/1m)
 Frequency Response: 30-150 Hz

COMPRISING:

1 woofer 30.48 cm / 12"

TECHNISCHE DATEN

Belastbarkeit: 400-800 W
 Impedanz: DVC 4 ohms
 Empfindlichkeit: 86 dB (1W/1m)
 Übertragungsbereich: 30-150 Hz

BESTÜCKUNG:

1 woofer 30.48 cm / 12"

CARACTÉRISTIQUES TECHNIQUES

Puissance: 400-800 W
 Impédance: DVC 4 ohms
 Rendement: 86 dB (1W/1m)
 Bande passante: 30-150 Hz

EQUIPEMENT:

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DATOS TÉCNICOS

Carga admisible: 400-800 W
 Impedancia: DVC 4 ohmios
 Potencia de servicio: 86 dB (1W/1m)
 Campo de transmisión: 30-150 Hz

EQUIPAMIENTO:

1 woofer 30.48 cm / 12"

DATI TECNICI

Potenza: 400-800 W
 Impedenza: DVC 4 ohmios
 Sensibilità: 86 dB (1W/1m)
 Risposta in frequenza: 30-150 Hz

DOTAZIONE:

1 woofer 30.48 cm / 12"

Технические Данные

Нагрузочная способность: 400-800 Вт
 Импеданс: DVC 4 ом
 Рабочая мощность: 86 дБ (1Вт/1м)
 Диапазон передачи: 30-150 Гц

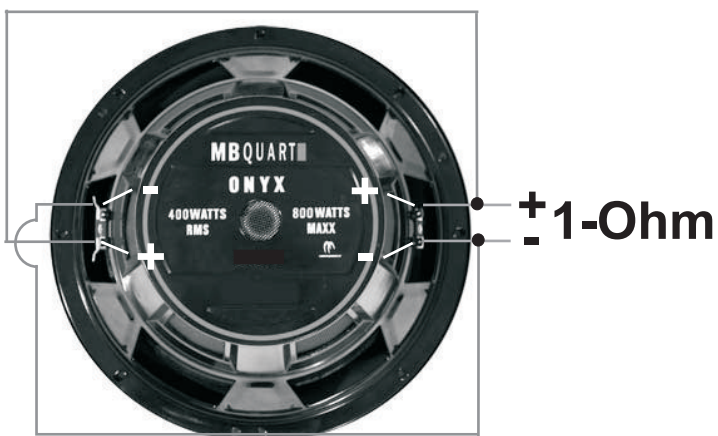
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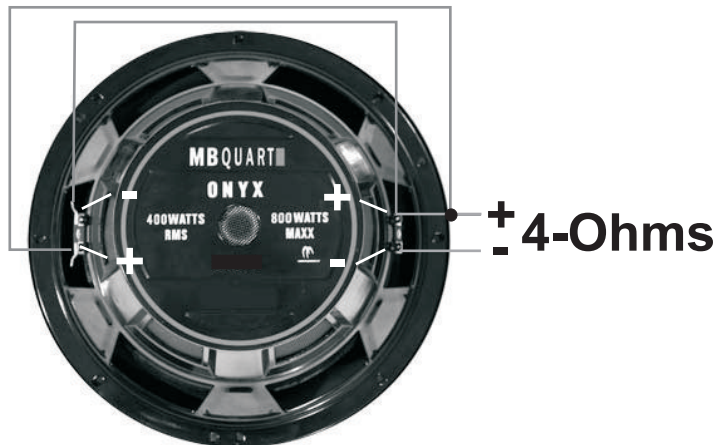
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DVC 2-Ohms

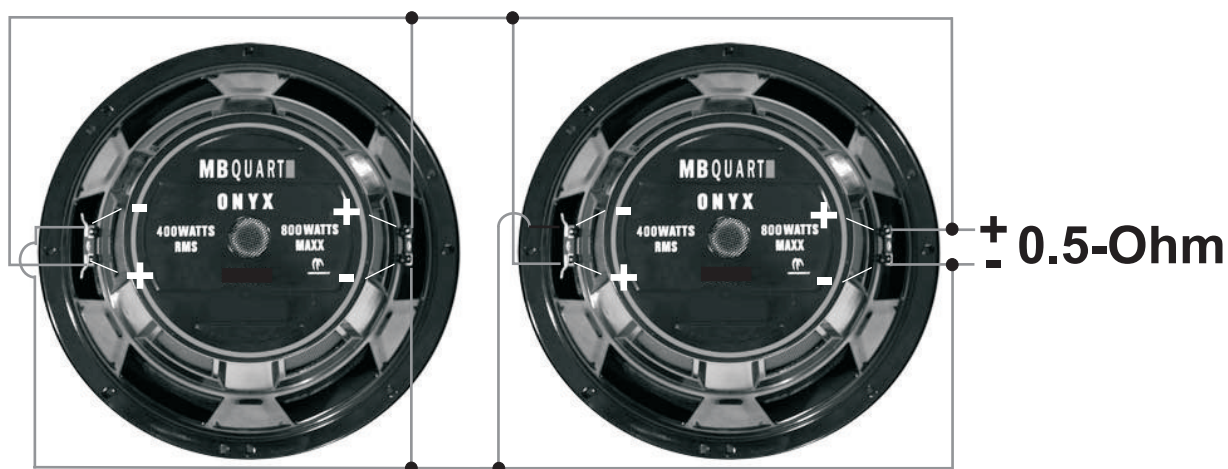
Parallel



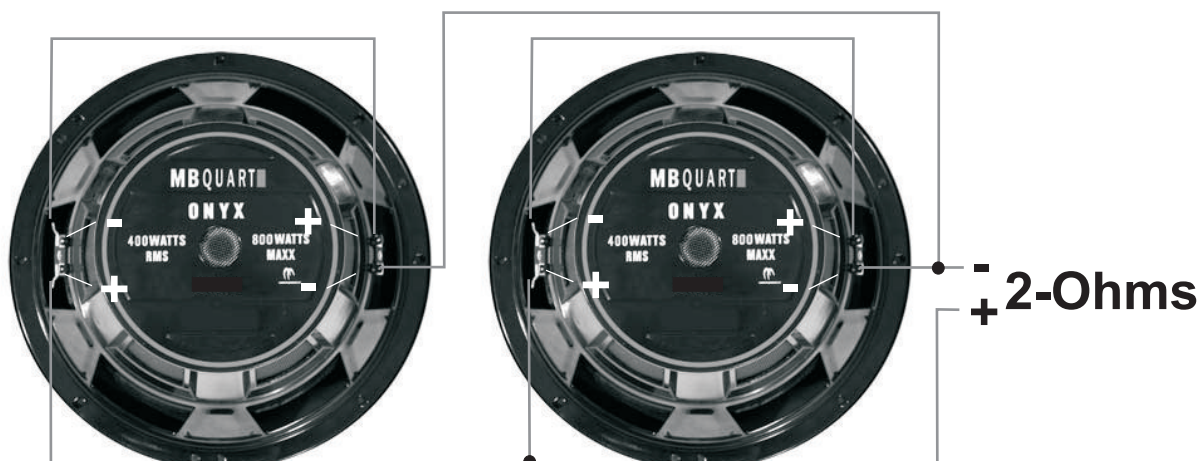
Series



Parallel Coils / Parallel Subs

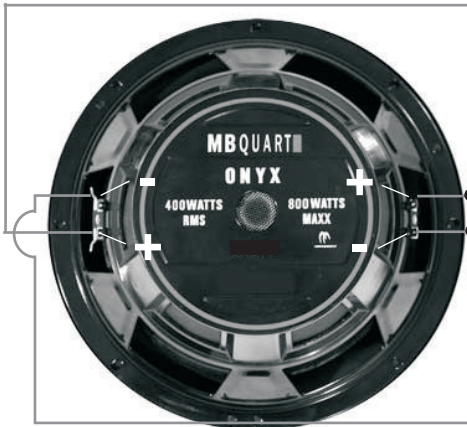


Series Coils / Parallel Subs



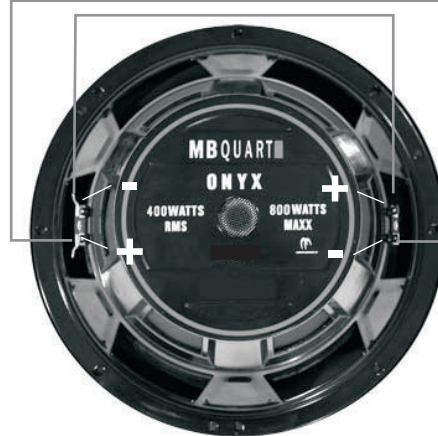
DVC 4-Ohms

Parallel



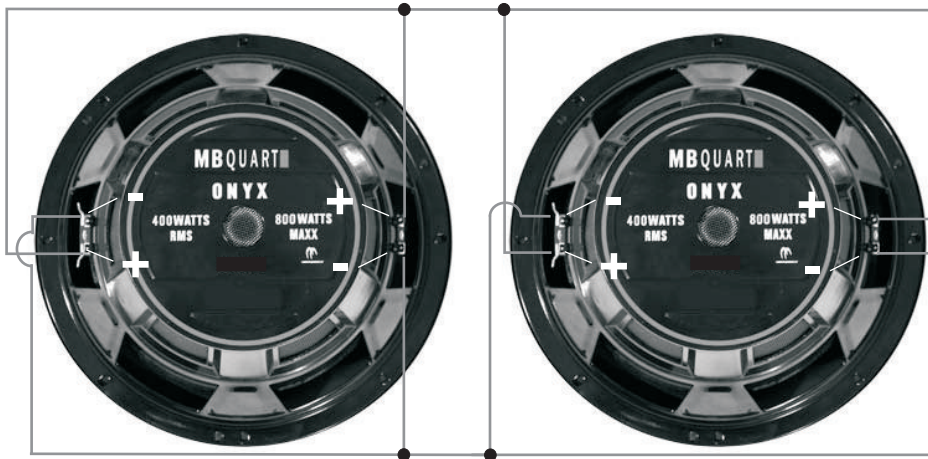
± 2-Ohms

Series



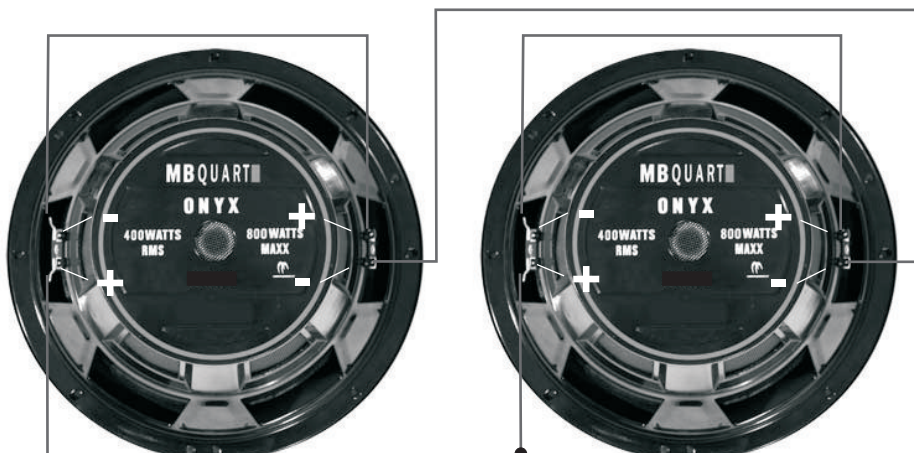
± 8-Ohms

Parallel Coils / Parallel Subs



± 1-Ohm

Series Coils / Parallel Subs



± 4-Ohms

ONYX SERIES SUBWOOFERS						
ELECTRICAL	ONX254	ONX254SQ	ONX302	ONX304	ONX304SQ	
WIRING	Series	Series	Series	Series	Series	
NomZ	7.48	7.464	4.356	7.5	7.48	Ohm
Sd	0.034	0.046	0.051	0.051	0.068	sqM
Revc	6.23	6.22	3.63	6.25	6.23	Ohm
BL	13.17	12.21	11.61	14.31	14.37	TxM
Vas	36.95	75.83	88	72.86	97.67	Liters
Cms	224.95	249.91	237.6	196.71	150.51	uM/N
Mms	92.19	89.36	164.87	144.74	173.66	Grams
Fo	35	33.73	25.5	29.89	31.23	Hz
Qms	2.67	2.68	3.4	3.21	2.58	
Qes	0.71	0.79	0.71	0.83	1.03	
Qts	0.56	0.61	0.59	0.66	0.73	
no	0.215	0.355	0.198	0.226	0.272	%
SPL@1W	88.85	87.7	85.12	85.58	86.46	dB
SPL@2.83W	90.17	88.7	88.55	86.76	87.58	dB
Xmax/Over Hang	9	9	9	9	9	mm
Xmech/Suspension	13.5	13.5	13.5	13.5	13.5	mm
RMS	400	400	400	400	400	Watts
PEAK	800	800	800	800	800	Watts
CLOSED BOX DESIGNS (SEALED)						
Standard Tight Bass-Small Box						
Box Volume	1	1.15	1	1.25	1.5	Cubic Feet
Qtc	0.828	1.079	1.166	1.116	1.28	
F3	46	48	39	40	42	Hz
VENTED BOX DESIGNS (ROUND PORT)						
Standard Tight Bass-Small Box						
Box Volume	1	1.3	1.25	1.5	1.75	Cubic Feet
Fb	40	38	40	40	40	Hz
Port Size (Inside Diameter)	3	3	3	3	4	Inches
Port Length	11.25	9	8.5	6.5	10.75	Inches
F3	38	44	38	37	40	Hz
Optimal Sound Quality-Flat Response						
Box Volume	1.25	1.5	1.8	2	2.25	Cubic Feet
Fb	40	38	38	38	38	Hz
Port Size (Inside Diameter)	3	3	4	4	4	Inches
Port Length	8	7.25	11.5	10	8.25	Inches
F3	35	41	33	33	36	Hz
FEATURES ARE SUBJECT TO CHANGE WITHOUT NOTICE						
NOTE: All above box volumes are internal values and already include subwoofer and port displacement.						
Volume listed represents the volume of an empty box using 3/4" MDF.						
The F3 value represents the -3db cut off of the sub/enclosure combination in Hz.						

**Consider these great MB Quart amplifiers
to power your new ONYX subwoofers.
For specifications, please check out
www.mbquart.com**

ONX1.1000D



ONX1.1500D



ONX4.80/500



**Check out our videos of new products,
events and technical tutorials at
www.youtube.com/maxxsonicsusainc**

MBQUART

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Maxxsonics Limited Warranty

As the manufacturer of Maxxsonics, Autotek, Crunch, MB Quart and Hifonics car audio products, Maxxsonics USA Inc. Warrants to the original consumer purchaser the amplifier to be free from defects in material and workmanship for one (1) Year from date of purchase.

All other parts and accessories of the system are warrantied to be free from defects in material and workmanship for one (1) year from date of purchase. Maxxsonics will repair or replace at it's option and free of charge during the warranty period, any system component that proves defective in materials and workmanship under normal installation, use and service provided that the product is returned to the authorized Maxxsonics dealer from where it was purchased. A photo copy of the original receipt must accompany the product being returned.

Valid purchase receipts will contain the name and address of the authorized reseller.

Any damage to the product as a result of misuse, abuse, accident, incorrect wiring, improper installation, alteration of date code or bar code labels, revolution, natural disaster, or any sneaky stuff because someone messed up, repair or alteration out side of our factory or authorized service centers and any thing else you have done that you should not have done is not covered.

This warranty is limited to defective parts and specifically excludes any incidental or consequential damages connected therewith. This warranty is not to be construed as an insurance policy.

Warranty on installation labor, removal, re-installation and freight charges are not the responsibility of Maxxsonics USA Inc.

Warranty products damaged as a result of insufficient or improper packing materials are not covered by this limited warranty and such damaged product will be returned "as is" at the expense of the owner.

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