MBQUART®

MUSIC. DEFINED.



MOBILE AUDIO















Music Defined

Through research, innovation, and a dedication to the highest standards of quality, MB Quart has continued to grow its product line throughout its more than 50 year history and dozens of technological revolutions.

Today the company offers eight distinct product lines covering personal audio, mobile, marine and powersports applications. Each line is rich in the MB Quart tradition of precision manufacturing and accurate music reproduction. From first-time systems to the most elaborate and distinctive designs, MB Quart products will ignite your passion for precise quality sound reproduction. We invite you to read on and discover how MB Quart will create Music Defined in your life.












Q Series Speakers

Q Series speakers set the standard for high-end car audio in the mid 90's and the tradition continues today with class leading performance and breathless sound quality. The Q components utilize a pair of 40mm WideSphere™ Teteron Silk tweeters for flawless reproduction of high frequencies along with other exotic materials like the Nomex PMI Composite cones used on our midrange.



Q Speakers

Controlling frequencies between drivers, the MB Quart engineers have employed the Q Crossover which features 5dB of both tweeter and midrange rotary attenuation. Balanced temperature technology is also used to control heat dissipation within the crossover so components can work in their optimal temperature range.

When designing an audio system that demands the best sound quality and tonal balance available, the Q series makes system design an easy choice. Q series, all around.

Speaker Features:

40MM WIDESPHERE TETERON TREATED SILK DOME TWEETER

Q CONTROL CROSSOVER WITH ADJUSTABLE MID & TWEETER

CAST BASKET MIDRANGE WITH ALUMINUM MOTOR COVER

DIN MOUNTING HOLES FOR EASY FITMENT

CURVILINEAR NOMEX COMPOSITE SANDWICH CONE

UV BUTYL SURROUND MATERIAL

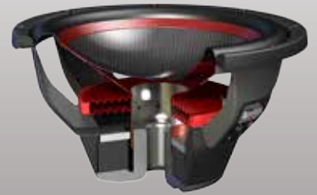


Premium Subwoofer

The Premium subwoofer offers high-performance and a striking visual. The subwoofer uses a two tone woven glass fiber cone and dust cap, 2.5" high-temp aluminum voice coil and dual mirror image treated spiders. For flexibility in the installation, the Premium subwoofer has a selectable internal fusing impedance terminal allowing the amplifier to see an 8-ohm or a 2-ohm load from the subwoofer without the need of complicated series / parallel wiring.







Subwoofer Features:

2.5" COIL WITH 500 W RMS / 1000 PEAK POWER HANDLING

RED WOVEN GLASS FIBER SKELETON CONE

BLACK WOVEN GLASS FIBER INVERTED DUST CAP

UNDER-MOUNT SURROUND FOR INCREASED CONE AREA

VENTED ALUMINUM VOICE COIL FORMERS WITH EDGE WOUND COPPER COILS

TREATED DUAL SPIDERS ON TOOLED ABS SPIDER LANDING

PROPRIETARY IMPEDANCE QUICK-CHANGE FUSED TERMINAL



BMW Speakers

MB Quart offers a specific component speaker system for late model BMW vehicles that uses a very similar 40mm WideSphere™ Teteron Silk tweeters and stamped steel midrange / woofer as is designed into the Q components.

DROP IN SOLUTION FOR THE F10/F11 2010-PRESENT, E60/E61 2003–2010, E81/E82 2004–PRESENT, E87 2004-2007, E88 2007-PRESENT, E90/E91 2006-2011, E84 2009-PRESENT.

Speakers Features:

DIRECT FIT BMW THREE-WAY COMPONENT SPEAKER SYSTEM

SERIES 5,3,1 AND X1 SPECIFIC*

8" SUBWOOFER FOR UNDER SEAT FACTORY MOUNTING

4" AND TWEETER FOR FACTORY DOOR SPEAKER LOCATIONS

12DB/OCTAVE TWO-WAY CROSSOVER FOR MID & TWEETER





M-LINE

MB Quart products always sound incredible. Today's vehicles, boats, RV's and UTV's can be a real challenge for installing high-end sound quality equipment. Often times one of the first steps in the installation process is, "what will fit?" The M-Line is designed to fit incredible audio into tight spaces with a line of small footprint marine certified amplifiers and shallow mount subwoofers.



M-Line Amplifiers

The engineering team has packed a great deal of technology and versatility into M-Line amplifiers. Their full range D-class topology offers increased efficiency and a compact size making these amps perfect for installations where space is a premium. M-Line amplifiers have the most elaborate preamp of any amplifier in the MB Quart product line. As an added bonus, M-Line amplifiers receive a conformal coating on the PCB, UV painted finish and stainless hardware so they're equally as at-home in a marine or powersports environment as they are in a car or truck!

M-Line Shallow Mount Subwoofers

Available in three sizes, 12, 10 and 8 inches, the M-Line subwoofers are the most successful subwoofers ever built in the MB Quart line. Offering impeccable sound quality and a high degree of reliability it is easy to hear their superiority. The one thing that makes them the "go to" choice for so many applications is their flexibility for installation due to being about 3 inches or less in depth. Matching the correct amount of power to these subwoofers is easy with three options of the M-Line amplifiers, even with the challenge of limited space.



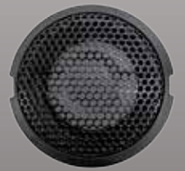


Z-LINE

The Z-Line offers some of the finest technology available from MB Quart. The sound quality for Z-Line is established in three speaker systems that use advanced materials. The foundation for Z-Line power are four amplifiers with top mounted controllers that allow anything from simple to an elaborate system design. When used with Reference Subwoofers which have been engineered to deliver deep bass with 2 inch voice coils and dual mirror image spiders, the Z-Line is Music Defined with power.



WITH PHASE LENS



WITHOUT PHASE LENS



Z-Line Speakers

MB Quart Z-Line speakers have been engineered for exquisite sound quality while handing plenty of power. A new cast composite basket highlights the changes for 2015. This new basket material is lighter, stronger and has a higher heat threshold than most metals. The newly designed 30mm titanium dome tweeters feature a strong nano-ceramic coating. Our exclusive removable phase lens improves the sound quality and widens the listening “sweet spot” in either on-axis or off-axis installations making it the most flexible tweeter MB Quart has ever produced!

Speakers Features:

30MM CERAMIC COATED TITANIUM DOME TWEETERS

REMOVABLE PHASE LENS

MICA-FILLED PP CONE MATED TO UV BUTYL SURROUND

PA6 + 15% GLASS FIBER BASKETS

12DB/OCTAVE CROSSOVERS USED THROUGHOUT LINE



Reference Subwoofers

Subwoofers are an essential component in every system. The Reference subwoofers use thermal formed polypropylene cones with 2-inch voice coils and dual mirror image treated spiders to ensure that bass is deep and powerful while remaining very musical. Reference subwoofer baskets are constructed from steel and are progressively stamped into shape using a complex process. The result is a basket material that is lighter and stronger than cast aluminum but a fraction of the cost!





Subwoofer Features:

2" COIL WITH 350 WRMS / 700 PEAK POWER HANDLING

SKELETON CONE AND INJECTION MOLDED DUST CAP

UNDER-MOUNT SURROUND FOR INCREASED CONE AREA

HEAVY GAUGE DEEP DRAWN STAMPED FRAME

VENTED ALUMINUM VOICE COIL FORMERS WITH EDGE WOUND COPPER COILS

TREATED DUAL SPIDERS ON TOOLED ABS SPRIDER LANDING



Z-Line Amplifiers

Z-Line amplifiers will be the best amplifier you have ever heard in an audio system for the car. Top Mounted Controls with Diagnostic LED's put the adjustments for fine-tuning the system in an easy-to-access position. The proprietary MB Quart Q-Stasis Pre Amplifier Stage and FLUID-FET Circuitry guarantees high-performance sound quality. With a full line of A/B and class D mono amps, you'll be certain to find a Z-Line amplifier that works in your system design.

Amplifier Features:

TOP OF THE LINE SOUND QUALITY

AVAILABLE IN 4 CHANNEL AND MONO CONFIGURATIONS

ALL EQUALIZATION AND SET UP CONTROLS ARE TOP MOUNTED

FOCUSED MASS HEAT SINK DESIGNS





X-LINE

X-Line is the broadest offering in the MB Quart family with several options of speakers in the most popular sizes, amplifiers from 1, 2 and 4 channels, plus a hard-to-find 5-channel amplifier with a 1-ohm stable subwoofer channel. An MB Quart X-Line system means you can hear the difference and it is more than just about that bass.



X-Line Amplifiers

The X-Line has several choices for amplifiers creating options for great sounding system designs. In addition to the standard mono, 2 channel and 4 channel amplifiers, the X-Line also offers a 5 channel amplifier, perfect for installations when you need a big full sound, but do not have the space for multiple amplifiers.

X-Line Speakers

All X-Line speakers feature a 25mm pure Titanium Dome Tweeter on Silk Surround mated to a 20mm KSV voice coil. This combination of unique materials provides unmatched high frequency extension. The midrange uses strong injection molded cones while the baskets are constructed from a glass fiber reinforced PA66 composite to eliminate unwanted resonance that is not an intended part of the music. The X-Line Tweeter is also available separately.







Discus

Just because an audio system is referred to as “high end” or “top of the line” does not mean it should cost more than the car in which it is being installed. With aluminum dome tweeters in the speaker systems plus regular and shallow subwoofer options, the Discus line will fit into nearly every vehicle application on the road. To power it all, there is a full line of amplifiers including multi-channel and mono amplifiers to match with virtually any subwoofer system.

Discus Speakers

The Discus line features five speaker systems that all utilize aluminum dome tweeters with two different sizes. The coax or 2-way Discus speakers use a 20mm or .75 inch aluminum dome on a treated cloth surround while the components are engineered with a larger 25mm or 1 inch aluminum dome using the same treated cloth connecting the surround to the frame. These design demands ensure that the high frequencies are smooth sounding while handling plenty of power.



Beyond the tweeter designs, are the baskets that give the larger speakers their strength. The unique Stamped Steel frame creates a rigid mount for the speaker to handle power without coloring the sound due to vibration or distortion. Additionally, the design creates a seal with the mounting surface, helping to create better bass response with the vehicle. For installation, the mounting patterns utilized are Euro-DIN ensuring fitment in nearly every car on the planet.

Speaker Features:

ALUMINUM DOME TWEETERS

MICA-FILLED PP CONE MATED TO UV BUTYL SURROUND

SIMPLE INSTALLATION EURO-DIN CHASSIS

12dB/OCTAVE CROSSOVERS USED THROUGHOUT LINE



Discus Subwoofers

Powering tight bass that does not sound “boomy” is the philosophy for the Discus subwoofers. These brand new Discus subs are designed with Poly Laminated Treated Paper Cones with Butyl Surround that utilize 2” voice coils. The shallow subs are perfect for enclosures or sub boxes that have to be mounted behind seats or in tight spaces.





Subwoofer Features:

2.0” DUAL VOICE COIL WITH 350 W RMS / 700 PEAK POWER HANDLING STANDARD

2.0” DUAL VOICE COIL WITH 200 W RMS / 400 PEAK POWER HANDLING SHALLOW

THERMAL FORMED PP CONE & DUST CAP

HEAVY GAUGE DEEP DRAWN STAMPED FRAME

VENTED ALUMINUM VOICE COIL FORMERS WITH EDGE WOUND COPPER COILS



Discus Amplifiers

Designed by the same engineers that develop all MB Quart amplifiers, Discus offers a limitless amount of system designs with 9 amplifiers to choose from. A high-end Discus set up puts your system into the premium MB Quart brand while still keeping enough cash in your pocket for plenty of gas. Now, you are #MusicDefined.

Amplifier Features:

HIGH END SOUND QUALITY

ONBOARD EQUALIZATION AND CROSSOVER CONTROLS

AVAILABLE IN 2 AND 4 CHANNEL PLUS MONO CONFIGURATIONS

THREE-STAGE PROTECTION CIRCUITS

ON-BOARD FUSING FOR ALL MODELS



Speaker Specs

	Model	Size	Power Handling RMS	Power Handling Peak	Impedance	Sensitivity	Frequency Response +/- 10dB	Crossover Slope	Cut-Out Ø	Chassis Depth From Flange
Q Series	QS216	6.5" Component	80 Watts	170 Watts	4 Ohms	89 dB	35 - 32KHz	12db/18db/octave	5.63"	3"
	QM200.3BMW	3 Way BMW Component Speaker System	80 Watts	120 Watts	4 Ohms	87 dB	50 - 32KHz	12db/12db/octave	OEM Replacement	OEM Replacement
Z-LINE	ZC1-216	6.5" component	60 Watts	120 Watts	4 Ohms	88 dB	55 - 32KHz	12dB/12dB/octave	5.59"	2.56"
	ZK1-169	6x9" coaxial	70 Watts	140 Watts	4 Ohms	89 dB	45 - 32KHz	6dB/12dB/octave	5.85 x 8.69" (oval)	3.15"
	ZK1-116	6.5" coaxial	60 Watts	120 Watts	4 Ohms	88 dB	55 - 32KHz	6dB/12dB/octave	5.59"	2.56"
X-LINE	XC1-216	6.5" component	45 Watts	90 Watts	4 Ohms	88 dB	55 - 32KHz	12db/12db/octave	5.59"	2.4"
	XK1-169	6x9" coaxial	50 Watts	100 Watts	4 Ohms	89 dB	45 - 32KHz	12dB/octave high-pass	5.85 x 8.69" (oval)	3.05"
	XK1-116	6.5" coaxial	40 Watts	80 Watts	4 Ohms	88 dB	55 - 32KHz	12dB/octave high-pass	5.59"	2.4"
	XK1-113	5.25" coaxial	35 Watts	70 Watts	4 Ohms	88 dB	55 - 32KHz	12dB/octave high-pass	4.48"	2"
Discus	DC1-216	6.5" component	45 Watts	90 Watts	4 Ohms	91 dB	65 - 20KHz	12db/12db/octave	5.72"	2.61"
	DK1-169	6x9" coaxial	45 Watts	90 Watts	4 Ohms	91 dB	55 - 20KHz	12dB/octave high-pass	5.91" x 8.64" (oval)	3.21"
	DK1-116	6.5" coaxial	35 Watts	70 Watts	4 Ohms	91 dB	65 - 20KHz	12dB/octave high-pass	5.72"	2.61"
	DK1-113	5.25" coaxial	25 Watts	50 Watts	4 Ohms	89 dB	55 - 32KHz	12dB/octave high-pass	4.49"	2.11"

Subwoofer Specs	Model	Size	Power Handling RMS	Power Handling Peak	Impedance	Sensitivity	Cut-Out Ø	Chassis Depth From Flange
Premium	PWM-304	12" Dual 4 ohm Subwoofer	500 Watts	1000 Watts	2 x 4 Ohms	84dB	10.94"	6.68"
M-LINE	MS1-304	12" Shallow Subwoofer	300 Watts	600 Watts	2 x 4 Ohms	86dB	10.67"	3.07"
	MS1-254	10" Shallow Subwoofer	300 Watts	600 Watts	2 x 4 Ohms	82dB	9.13"	2.95"
	MS1-204	8" Shallow Subwoofer	200 Watts	400 Watts	2 x 4 Ohms	81dB	7.24"	2.80"
Reference	RWM-304	12" Dual 4 ohm Subwoofer	350 Watts	700 Watts	2 x 4 Ohms	83.7dB	10.94"	5.54"
	RWM-302	12" Dual 2 ohm Subwoofer	350 Watts	700 Watts	2 x 4 Ohms	84.5dB	10.94"	5.54"
	RWM-254	10" Dual 4 ohm Subwoofer	350 Watts	700 Watts	2 x 4 Ohms	83.1dB	8.98"	4.83"
	RWM-252	10" Dual 2 ohm Subwoofer	350 Watts	700 Watts	2 x 4 Ohms	83.3dB	8.98"	4.83"
Discus	DS1-304	12" Shallow Subwoofer	200 Watts	400 Watts	2 x 4 Ohms	86dB	10.67"	3.07"
	DS1-254	10" Shallow Subwoofer	200 Watts	400 Watts	2 x 4 Ohms	82dB	9.13"	2.95"
	DS1-204	8" Shallow Subwoofer	200 Watts	400 Watts	2 x 4 Ohms	81dB	7.24"	2.80"
	DW1-304	12" Dual 4 ohm Subwoofer	200 Watts	400 Watts	2 x 4 Ohms	88dB	10.94"	6.68"

Amplifier Specs

	Model	Power @ 1-Ohm	Power @ 2-Ohm	Power @ 4-Ohm	Bridged @ 4-Ohm	Frequency Response	Signal to Noise Ratio	THD %	Variable Hi-Pass	Variable Low-Pass	Variable Subsonic Filter	45Hz Bass Boost	Dimensions
M-LINE	MA1-740.5	N/A	4 x 110 Watts + 1 x 300	4 x 75 Watts + 1 x 200	2 x 220 watts	10-20KHz	>90dB	0.02%	50-3KHz 24 dB/ octave	Chan 3 & 4 50-3KHz 24 dB/octave	N/A	0-12 dB	10.24" x 6.5" x 1.97"
	MA1-1000.1	1 x 1000 Watts	1 x 700 Watts	1 x 400 Watts	N/A	10-150Hz	>90dB	0.02%	N/A	10-150 Hz	N/A	N/A	10.24" x 6.5" x 1.97"
	MA1-440.4	N/A	4 x 110 Watts	4 x 75 Watts	2 x 220 Watts	10-20KHz	>90dB	0.02%	50-3KHz 24 dB/ octave	Chan 3 & 4 50-3KHz 24 dB/octave	N/A	0-9 dB	7.09" x 6.5" x 1.97"
Z-LINE	ZA1-1500.1	1 x 1500 Watts	1 x 1000 Watts	1 x 500 Watts	N/A	15-250Hz	>90	<0.5%	N/A	30-250Hz	15-35Hz	0-10 dB	16.5" x 9.2" x 2.2"
	ZA1-1000.1	1 x 1000 Watts	1 x 750 Watts	1 x 475 Watts	N/A	15-250Hz	>90	<0.5%	N/A	30-250Hz	15-35Hz	0-10 dB	12.5" x 9.2" x 2.2"
	ZA1-640.4	N/A	4 x 160 Watts	4 x 80 Watts	2 x 320 Watts	10-45KHz	>90	<0.5%	60-13KHz	30-250Hz	N/A	0-12 dB	16.5" x 9.2" x 2.2"
	ZA1-320.4	N/A	4 x 80 Watts	4 x 40 Watts	2 x 160 Watts	10-45KHz	>90	<0.5%	60-13KHz	30-250Hz	N/A	0-12 dB	12.5" x 9.2" x 2.2"
X-LINE	XA1-1500.1D	1 x 1500 Watts	1 x 750 Watts	1 x 325 Watts	N/A	10-300Hz	>90dB	<0.5%	N/A	40-300Hz	10-40Hz	0-9 dB	15.7" x 9.2" x 2.2"
	XA1-1100.5	2 x 300 + 1 x 500 Watts	4 x 150 + 1 x 250 Watts	4 x 75 + 1 x 125 Watts	N/A	10-45KHz	>90dB	<0.5%	40Hz-4KHz	40Hz-4KHz	10-40Hz	0-9dB	20" x 9.2" x 2.2"
	XA1-1000.1D	1 x 1000 Watts	1 x 500 Watts	1 x 250 Watts	N/A	10-300Hz	>90dB	<0.5%	N/A	40-300Hz	10-40Hz	0-9 dB	12.5" x 9.2" x 2.2"
	XA1-800.4	N/A	4 x 200 Watts	4 x 100 Watts	2 x 400 Watts	10-45KHz	>90dB	<0.5%	60-1.2KHz	30-250Hz	N/A	0-9 dB	15.7" x 9.2" x 2.2"
	XA1-500.1	N/A	1 x 500 Watts	1 x 250 Watts	N/A	15-250Hz	>95dB	<0.5%	N/A	30-250Hz	15-35Hz	0-12 dB	14.7" x 9.2" x 2.2"
	XA1-600.4	N/A	4 x 150 Watts	4 x 75 Watts	2 x 300 Watts	10-45KHz	>90dB	<0.5%	60-1.2KHz	30-250Hz	N/A	0-9 dB	13.3" x 9.2" x 2.2"
	XA1-240.2	N/A	2 x 120 Watts	2 x 60 Watts	1 x 240 Watts	10-45KHz	>90dB	<0.5%	60-1.2KHz	30-250Hz	N/A	0-9 dB	9.4" x 9.2" x 2.2"

Amplifier Specs

Discus

Model	Power @ 1-Ohm	Power @ 2-Ohm	Power @ 4-Ohm	Bridged @ 4-Ohm	Frequency Response	Signal to Noise Ratio	THD %	Variable Hi-Pass	Variable Low-Pass	Variable Subsonic Filter	45Hz Bass Boost	Dimensions
DA1-3000.1	1 x 3000 Watts	1 x 1500 Watts	1 x 750 Watts	N/A	10-300Hz	>95dB	<0.10%	N/A	40-300Hz	10-40Hz	0-12 dB	19.3" x 9" x 2.2"
DA1-2000.4	N/A	4 x 500 Watts	4 x 250 Watts	2 x 1000 Watts	10-45KHz	>91dB	<0.5%	60-1.2KHz	30-250Hz	N/A	0-12 dB	21.7" x 9" x 2.2"
DA1-2400.1	1 x 2400 Watts	1 x 1200 Watts	1 x 650 Watts	N/A	10-300Hz	>95dB	<0.10%	N/A	40-300Hz	10-40Hz	0-12 dB	17.0" x 9" x 2.2"
DA1-1800.1	1 x 1800 Watts	1 x 900 Watts	1 x 500 Watts	N/A	10-300Hz	>95dB	<0.10%	N/A	40-300Hz	10-40Hz	0-12 dB	15.4" x 9" x 2.2"
DA1-1200.2	N/A	2 x 600 Watts	2 x 300 Watts	1 x 1200 Watts	10-45KHz	>90dB	<0.5%	60-1.2KHz	30-250Hz	N/A	0-12 dB	19.3" x 9" x 2.2"
DA1-1200.1	1 x 1200 Watts	1 x 600 Watts	1 x 400 Watts	N/A	10-300Hz	>95dB	<0.10%	N/A	40-300Hz	10-40Hz	0-12 dB	12.2" x 9" x 2.2"
DA1-1000.4	N/A	4 x 250 Watts	4 x 125 Watts	2 x 500 Watts	10-45KHz	>90dB	<0.5%	60-1.2KHz	30-250Hz	N/A	0-12 dB	15.4" x 9" x 2.2"
DA1-600.4	N/A	4 x 150 Watts	4 x 75 Watts	2 x 300 Watts	10-45KHz	>90dB	<0.5%	60-1.2KHz	30-250Hz	N/A	0-12 dB	12.2" x 9" x 2.2"
DA1-500.2	N/A	2 x 250 Watts	2 x 125 Watts	1 x 500 Watts	10-45KHz	>90dB	<0.5%	60-1.2KHz	30-250Hz	N/A	0-12 dB	11.1" x 9" x 2.2"