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POUNDING HEADS SINCE 2001

2011 CATALOG

powerbass®  
CAR AUDIO









To get your limited edition 10th anniversary poster visit your local PowerBass dealer for details.



A LOOK BACK

2001 - 2011

powerbass®  
CAR AUDIO



Established in 2001, PowerBass USA launched a limited mix of speakers and subwoofers specifically targeted at delivering the best valued Car Audio products. The growth and success of PowerBass has been built around and will always remain a single core value; give the consumer the absolute best performing products at a price point our competitors cannot match. Now in 2011 we are now celebrating our 10th year anniversary of pushing the limits of quality built products. Armed with a full array of speakers, subwoofers, amplifiers, sound processors, enclosures and accessories, PowerBass is becoming the premier Car Audio Manufacturer.

For those who do not know us, you will find that we are more than a little bit different from our competitors. Unlike most companies PowerBass actually designs, engineers and manufactures our own products. Our complete control of the

production process from start to finish ensures you an advantage when you choose PowerBass.

At PowerBass we invest in top audio and electrical engineers that meticulously push the limits of product design. What you will end up when choosing products from PowerBass is Car Audio that simply sounds better and hits harder.

At PowerBass, we understand that you have a choice. Therefore, although we pride ourselves on our superior audio lines, there is an even better reason for you choosing powerbass. That reason is we also strive to provide the best customer service possible. Our goal is simply to provide users of PowerBass products the ultimate audio experience. Take your audio system to the next level and experience what PowerBass has to offer!

A woman in a black dress and high heels is leaning against a purple car. The car is the central focus of the image, with its sleek lines and vibrant color highlighted. The woman's pose is elegant and sophisticated, adding a touch of glamour to the scene. The background is dark, making the car and the woman stand out.

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**3 YEAR**  
EXTENDED WARRANTY\*

\*Ask your Authorized Powerbass Dealer for Xtended Warranty details.

SUBWOOFERS

**3 X L**





	size	power handling (rms/peak)	nominal impedance	voice coil size	frequency response	sensitivity (1w / 1m)	motor structure	mounting depth
3XL-151D	15"	1000 / 2000 watts	Dual 1-ohm	3"	24Hz-400Hz	93 dB	562 oz	9.2"
3XL-152D	15"	1000 / 2000 watts	Dual 2-ohm	3"	24Hz-400Hz	93 dB	562 oz	9.2"
3XL-121D	12"	850 / 1700watts	Dual 1-ohm	3"	31Hz-450Hz	91 dB	552 oz	7.75"
3XL-122D	12"	850 / 1700watts	Dual 2-ohm	3"	31Hz-450Hz	91 dB	552 oz	7.75"

The 3XL range of subwoofers is innovative in that it is designed to work with the new generation Class "D" amplifiers. Class "D" amplifiers heat up the woofers voice coil two to three times hotter and faster than a conventional class A/B amplifier. This calls for Xtreme measures and special parts to classify these as a true "Class D Subwoofer." But hey, this is PowerBass. We have it under control.

First, we use industrial assembly glues that handle this excessive heat that would normally tear a conventional speaker apart. Then there is perimeter venting to allow air movement over the voice coil built into our custom CNC cut, cast aluminum basket. The basket works as a

strong foundation for our new heavy duty non-pressed raw pulp cone and redesigned inverted X dustcap. The roughness of the cone breaks up standing long waves for an even louder output resulting in greater SPL.

The 3XL woofers all feature 3" HD BASV voice coil formers that are anodized black to help dissipate heat. To allow full movement of the cone, we utilize an ultra high roll (U-turn) treated foam surround that increases the cone area for higher output along with linear cone stability throughout the subwoofers 3" of peak to peak excursion.

To make sure high voltages from the amplifier reach the speaker, we designed Pro-Lock terminals and Xtra Large



domed motor assembly with dual stacked magnets to handle the high power these speakers are designed for.

3XL woofers are available in 12" and 15" sizes. In either dual 1-OHM or dual 2-OHM versions to maximize your amplifiers power.

## 3XL SUBWOOFERS

### Non-pressed Raw Pulp Cone

reduces standing long waves

### Custom CNC Cut, Cast Aluminum Basket

provides the best woofer foundation available to handle the stress of high energy SPL

**Dual 1-ohm or dual 2-ohm Voice Coils** made with pure PIW wire and looped through the spider

**3" Vented HD BASV Voice Coil Formers** for optimal performance and power handling

### U-Turn High Roll Treated Foam Surround

increases cone area for higher output along with linear cone stability throughout the subwoofers 3 inches of linear travel

**XTRA XTRA XTRA Large Motor Structure** dual stack magnets for increased SPL and power handling

**Pro-lock Input Terminals** to ensure maximum current transfer from the amplifier to the woofer

**CNC Billet Aluminum Trim Ring** clamps surround to basket for increased durability

**Optimally Designed for Ported Enclosures** to ensure maximum power handling with the loudest output possible



CLASS D SUBWOOFER





**3 YEAR**  
EXTENDED WARRANTY\*

\*Ask your Authorized Powerbass Dealer for Xtended Warranty details.

4 - OHM SUBWOOFERS

2XL

## 2XL SUBWOOFERS

### Proprietary COC/Graphite Cone

our unique poly/graphite cones are strengthened by injecting nitrogen gas which produces exceptional cone stability without deforming even under high power, high stress applications

### Custom CNC Cut, Cast Aluminum Basket

provides the best woofer foundation available to handle the stress of high energy SPL

### Dual 4-ohm Voice Coils

made with pure PIW wire for the most popular bass applications and high energy transfer

### 2.5" Vented BASV Voice Coil Formers

for optimal performance and power handling

### High Roll Santoprene Surround

increases cone area for higher bass output along with enhanced linear cone stability throughout the subwoofers 3 inch peak to peak excursion

### XTRA XTRA Large Motor Structures

with Dual Stacked Magnets for increased SPL and power handling

**Pro-lock Input Terminals** to ensure maximum current transfer from the amplifier to the woofer

**CNC Billet Aluminum Trim Ring** clamps surround to basket for increased durability

**Optimally Designed for Small Ported Enclosures** to ensure maximum power handling with the loudest output possible

The 2XL woofer line is designed for the audiophile looking for a subwoofer that works in a ported enclosure and demands accurate bass reproduction.

This woofer receives the full treatment, including perimeter venting built into the custom CNC cast aluminum basket. A proprietary COC/graphite cone that is injected with nitrogen bubbles to give a very rigid platform for the subwoofer to handle Xtreme bass notes.

Our U-turn high roll Santoprene surround increases the cone area and handles the moving mass of the cone and 2.5" vented BASV voice coil.

Xtra xtra large chrome dome motor structures for high power handling and Pro-lock terminals insure optimal current transfer from the amplifier to the woofer for the loudest SPL possible.



	size	power handling (rms/peak)	nominal impedance	voice coil size	frequency response	sensitivity (1w / 1m)	motor structure	mounting depth
2XL-154D	15"	500 / 1000 watts	Dual 4-ohm	2.5"	23Hz-400Hz	93 dB	312 oz	8.6"
2XL-124D	12"	450 / 900 watts	Dual 4-ohm	2.5"	26Hz-450Hz	92 dB	280 oz	6.75"
2XL-104D	10"	400 / 800 watts	Dual 4-ohm	2.5"	31Hz-500Hz	91 dB	264 oz	6.5"



XL-124D as reviewed by

**car** AND ELECTRONICS  
**audio**

"if you are looking for value bass,  
this subwoofer will certainly serve!"

- Brett Ivey

www.caraudiomag.com



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EXTENDED WARRANTY\*

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4 - OHM SUBWOOFERS

**XL**

### XL SUBWOOFERS

**Proprietary 4-layer, Non-pressed Paper, DDC Finish Cone (Dynamic Damping Coating)**  
for deeper, distortion free bass

**Proprietary Composite Polycarbonate/Glass Fiber Basket** turbine design provides a rigid and stable woofer platform

**Dual 4-ohm Voice Coils**  
made with pure PIW wire for the most popular bass applications and high energy transfer (The 8" XL-84 is single 4-OHM)

**2 and 2.5" Vented BASV Voice Coil Formers**  
for optimal performance and power handling

**High Roll Santoprene Surround**  
increases cone area and maximizes excursion while providing exceptional linear stability

**XTRA Large Motor Structures**  
with Dual Stacked Magnets for increased SPL and power handling

**Chrome Push Terminals**  
to guarantee optimal power transfer to your woofer from your amplifier

**Optimally Designed for Both Sealed or Ported Enclosures** for multiple installation applications

PowerBass XL subwoofers were designed to be bulletproof-reliable with all of the features of the rest of the Xtreme range, but in a more affordable package.

Boasting a custom turbine style frame constructed of polycarbonate and glass fiber, this unique basket supports dual stack magnets and a chrome dome backplate. Utilizing a combination of perimeter and pole venting keeps air circulating over the voice coil so everything stays cool.

A paper cone was selected for its natural smooth bass reproduction and its ability to provide high output with low distortion even

under the stress of high SPL.

Finally, to make sure the power gets to the subwoofer, we use chrome push terminals for maximum current transfer.

The XL subwoofers are Xtremely versatile and offer amazingly low bass whether installed in a small sealed enclosure or ported enclosure and are available in 8", 10", 12", 15" (8 inch model is a single 4-ohm woofer).



**MULTI**  
**ENCLOSURE**  
COMPATIBILITY

	size	power handling (rms/peak)	nominal impedance	voice coil size	frequency response	sensitivity (1w / 1m)	motor structure	mounting depth
XL-154D	15"	500 / 1000 watts	Dual 4-ohm	2.5"	26Hz-400Hz	94 dB	250 oz	6.6"
XL-124D	12"	400 / 800 watts	Dual 4-ohm	2"	26Hz-450Hz	92 dB	186 oz	5.5"
XL-104D	10"	350 / 700 watts	Dual 4-ohm	2"	35Hz-500Hz	91 dB	164 oz	5.25"
XL-84	8"	200 / 400 watts	Single 4-ohm	2"	36Hz-500Hz	89 dB	116 oz	4.4"



## XTA 4140

### Class A/B AMPS

## XTA

Recently redesigned, these PowerBass Xtreme XTA amplifiers were developed to work best with PowerBass speakers and woofers using the highest quality parts while at the same time providing incredible value.

The XTA amplifier starts with a low profile, high density aluminum heatsink with a massive top plate for maximum heat dissipation. All new 45° brass terminals were tooled for speaker and power to accept large gauge wire so these amplifiers can produce the maximum output to your speakers. Low level RCA inputs AND outputs are on each model so you can send a full range signal on to additional amplifiers for a professional and efficient system design.

Inside the amplifiers, we use a PWM (Pulse Width Modulated) switching power supply and MOSFET transistors for increased output voltage. Using top quality components we can achieve more headroom, better transients and higher damping which all adds up to plenty of clean RMS power.

To make sure that the proper signal gets to your speakers, we have an adjustable 12 dB/octave high pass crossover with a range 50-250Hz and a low pass crossover with a range of 40-400Hz all built-in. This electronic crossover allows for complete flexibility and makes multiple amplifier applications possible.

To get that low bass bump, we equip each XTA amplifier with a Bass EQ circuit offering up to 18dB of variable boost at 45Hz.

To top it all off we have added a stunning blue edge-lit PowerBass logo in the center of the amplifier that illuminates when the unit is turned on.

### full-range class A/B

**2-ohm Stereo/4-ohm Mono Stable**  
for multiple connection versatility

**Low Profile, High Density Heatsink Design**  
that incorporates efficient heat dissipation and bullet proof reliability along with easier installation in smaller spaces

**PWM MOSFET Power Supply PWM (Pulse Width Modulated)** switching Power Supply combined with MOSFET transistors for the most accurate, efficient and distortion free sound reproduction

**Variable Electronic High and Low Pass Crossovers** that optimizes the frequencies to your speakers for ultra high quality sound reproduction

**Variable Electronic Bass EQ**  
to get the most out of your subwoofers

**Multi-Link Circuitry** enables multiple amplifiers to run from a single low-level input

**Self-Diagnostic Protection Circuitry** protects your amplifier against Short Circuit, Thermal Overload, Impedance Overload and DC Output distortion threshold

Channels	4
Output Power (14.4V 4 ohms Stereo)	4 x 75 watts
Output Power (14.4V 2 ohms Stereo)	4 x 140 watts
Output Power (14.4V 4 ohms Bridged)	2 x 280 watts
Frequency Response	10Hz-30,000Hz
Total Harmonic Distortion	<0.02%
S/N Ratio	>95dB
Input Sensitivity	0.2V - 6.0V
Dimensions	10.75" x 13.5" x 2.5"



Our Class D range of XTA amplifiers have been designed to provide enough sheer raw power to run your woofers at full tilt no matter what kind of music you listen to. By using oversized high density aluminum heatsinks we have eliminated the need for internal cooling fans which can introduce unwanted noise. To prove our point the flagship XTA-5000D weighs in at nearly 37lbs while producing an incredible 5.000

watts—take two and strap them together for a staggering 10,000 watts of heart pounding bass! But we didn't stop with just pure power, these amplifiers are chock full of built-in features like an electronic 12dB/octave low pass crossover, 18dB variable sub sonic filter, and an Bass EQ circuit (complete with wired remote control) that lets you vary the boost 18dB at 45Hz.

Inside you will find a neatly laid out double sided epoxy pc board with minimum tolerance components, beefy hand wound coils, and fast switching transistors. The XTA line up is the real deal. A blue edge-lit PowerBass logo centered against the black satin finish completes the package. To be truly appreciated, these amplifiers need to be seen and heard.



Class D AMPS  
X T A

class d mono

**1-ohm Stable Class D Circuitry** to deliver the highest power to your subwoofers

**Dual-link Circuitry** enables 2 like amplifiers to be strapped for double the power to your subwoofers

**Oversize Power, Ground and Speaker Terminals** to ensure maximum current transfer to and from the amplifier

**Variable Electronic Low Pass Crossover** that optimizes the bass frequencies to deliver only the frequencies that are desired to your subwoofers

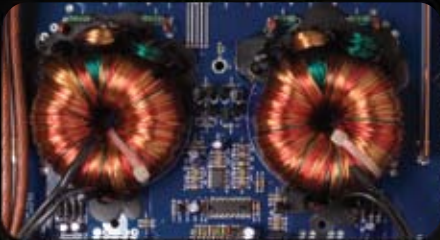
**Variable Electronic Sub-Sonic Filter** to cut the power robbing frequencies that cannot be reproduced or heard leaving all of the power for maximum SPL

**Variable Electronic Bass EQ** allows you to customize the bass to your vehicle

**Self-Diagnostic Protection Circuitry** protects your amplifier against Short Circuit, Thermal Overload, Impedance Overload and DC Output distortion threshold

**Variable Remote Gain Control** that allows you the audio pilot to add all the bass they want by the twist of a knob on the dash

	XTA 2250D	XTA 4000D	XTA 5000D
Channels (mono)	1	1	1
Output Power (14.4V) @ 1ohm	2250 watts	4000 watts	5000 watts
Output Power (14.4V) @ 2 ohm	1125 watts	2000 watts	2500 watts
Output Power (14.4V) @ 4 ohm	565 watts	1000 watts	1250 watts
Strapped Output Power @ 2 ohms	4500 watts	8000 watts	10,000 watts
Frequency Response	18Hz~250Hz	18Hz~250Hz	18Hz~250Hz
Total Harmonic Distortion	<0.1%	<0.1%	<0.1%
S/N Ratio	>94dB	>94dB	>94dB
Input Sensitivity	0.2V - 6.0V	0.2V - 6.0V	0.2V - 6.0V
Dimensions (in Inches)	10.75" x 18.5" x 2.5"	13.5" x 18.9" x 2.75"	13.5" x 24.5" x 2.75"



Over-built Power Supply



4-Way Protection Circuitry



Latest Class D Microprocessor Technology



## Mini Full Range Digital AMPS

# XAX

**XAX 4160**  
**55% smaller\***

XTA 4140

▲ \*Size of XAX 4160 compared to XTA 4140 (to scale)

### FULL RANGE FEATURES

#### FRD Full Range Class-D Design

this newest Class D technology allows for a small footprint that is highly efficient and boasts amazingly detailed sonic clarity

#### High Damping Control Circuit

provides accurate and tight bass with plenty of head room that gives the fine details in the music you listen to

#### High Efficiency SMD Circuit Technology

simply put, small package with a big sound

#### Temperature Controlled Output Current Limiting Protection

ensures amplifier longevity and "always on" sound output

**Ultra Low Current Draw With More Than A 85% Efficiency Rating** means less heat and more power in a small footprint amplifier

**Blue LED Logo, Power And Speaker Terminal Lighting** adds that custom touch to your install

### MONO BLOCK FEATURES

#### High Damping Control Circuit

provides accurate and tight bass with plenty of head room that gives the fine details in the music you listen to

#### High Efficiency SMD Circuit Technology

simply put, Small package with a Big sound

**Ultra Low Current Draw With More Than A 85% Efficiency Rating** means less heat and more power in a small footprint amplifier

#### Dual Link Circuitry

enables 2 like amplifiers to be strapped for double the power to your subwoofers

**Blue LED Logo, Power And Speaker Terminal Lighting** adds that custom touch to your install

**Variable Remote Gain Control** allows you the audio pilot to add all the bass you want by the simple twist of a knob on the dash

## FRD Full Range Class D 5-channel Amplifier with Digital Sound Optimization Circuitry



As today's vehicles become smaller they present a challenge to find a place for a big amplifier with big power output. Our XAX mini amplifiers are ideal for tight installations making it possible to put this series in places other amplifiers can't go.

The XAX amplifiers carry on the PowerBass tradition of looking and sounding great, but they take up less space than any other amplifier we have ever offered—and smaller than most amps available from the majority of our competitors. High efficiency FRD (Full Range Digital) technology allows these amplifiers to operate at well over 80% efficiency.

The XAX amplifiers also feature the latest Phillips/NXP circuitry that never leaves you without your music. While conventional thermal protection design will shut down an amplifier when it gets hot, this new chip set technology slightly reduces the amplifiers output signal, thereby reducing the amount of heat generated thus allowing the amp to cool itself without interrupting your music!

Now, just because you have limited space doesn't mean you have to sacrifice great sound.



	5-Channel	4-Channel	2-Channel
	XAX 5640FD	XAX 4160FD	XAX 2160FD
4-ohm Power	100 watts x 4 + 320 watts x 1	100 watts x 4	100 watts x 2
2-ohm Power	160 watts x 4 + 320 watts x 1 (4-ohm)	160 watts x 4	160 watts x 2
4-ohm Mono Power	320 watts x 2 + 320 watts x 1	320 watts x 2	320 watts x 1
Peak Music Power	1920 watts	1280 watts	640 watts
Total Harmonic Distortion	<0.02%	<0.02%	<0.02%
Frequency Response	20Hz~30,000Hz	20Hz~30,000Hz	20Hz~30,000Hz
S/N Ratio	>90dB	>90dB	>90dB
Damping Factor	>200	>200	>200
Input Sensitivity	0.5 - 6.0 volts	0.5 - 6.0 volts	0.5 - 6.0 volts
Crossover Slope	12dB	12dB	12dB
High-Pass Crossover Freq (Hz)	80Hz~350Hz	80Hz~350Hz	80Hz~350Hz
Low-Pass Crossover Freq (Hz)	25Hz~250Hz	25Hz~250Hz	25Hz~250Hz
Variable Subwoofer EQ	0-18dB	0-18dB	0-18dB
Subwoofer EQ Frequency	45Hz	45Hz	45Hz
Dimensions (in Inches)	1.92" x 7.08" x 11.83"	1.92" x 7.08" x 10.26"	1.92" x 7.08" x 7.5"

▼ Size of XAX 2160 compared to a certain Jamaican stubby.



**Class D Bass**

**XAX 1200D**

**XAX 500D**

4-ohm Power	400 watts x 1	250 watts x 1
2-ohm Power	700 watts x 1	400 watts x 1
1-ohm Mono Power	1200 watts x 1	500 watts x 1
Peak Music Power	2200 watts	1000 watts
Total Harmonic Distortion	<1.0%	<1.0%
Frequency Response	10Hz~250Hz	10Hz~250Hz
S/N Ratio	>80dB	>80dB
Damping Factor	>200	>200
Input Sensitivity	0.5 - 6.0 volts	0.5 - 6.0 volts
Crossover Slope	12dB	12dB
Low-Pass Crossover Freq (Hz)	25Hz~250Hz	25Hz~250Hz
Variable Subsonic Freq	15Hz~50Hz	15Hz~50Hz
Variable Subwoofer EQ	0-18dB	0-18dB
Subwoofer EQ Frequency	45Hz	45Hz
Dimensions (in Inches)	1.92" x 7.08" x 14.59"	1.92" x 7.08" x 10.26"

**XAX-1200D as reviewed by**

**Performance**  
**AUTO & SOUND**  
PASMAG.COM

**"... capable of delivering woofer shredding power"**

**- Garry Springgay**  
**COGENT AUDIO LABS**



3 YEAR

EXTENDED WARRANTY\*

\*Ask your Authorized Powerbass Dealer for Xtended Warranty details.

Full Range COAXIALS

3XL

3XL COAXIALS

**Pivot Point 1" Titanium Dome Swivel Tweeter**  
for the ultimate in clarity and high frequency reproduction

**Hybrid Kevlar® /Glass Fiber Cone**  
provides better transient response

**1.5" Aluminum Voice Coil Former**  
for high power handling and maximum reliability

**Y-30 Grade Ferrite Magnet**  
high density, ultra efficient motor structure

**Enhanced Internal Mylar Capacitor**  
audiophile quality capacitor ensures smooth crisp highs

**3-ohm System Impedance**  
for more efficient use of amplifier power

**Rigid Tooled Basket with Stainless Steel Finish**  
for precise motor alignment

**PBX Custom Grill**  
insures your speaker looks and sounds its best



Continuing the tradition of value and performance, the newly redesigned 3XL Series Coaxials were engineered with a no compromise approach to sound quality. From the ultra high efficient Y-30 ferrite magnets to a unique composite Kevlar®/Glass Fiber cone, the 3XL Coaxials will give you accurate, smooth sound reproduction with tight controlled bass. The 1.5" ASV voice coils on these speakers are perfectly matched with high



temperature pure cooper windings that make these speakers an ideal choice for high power applications. Titanium dome tweeters are incorporated to ensure crisp, clean accurate high frequency output; even in off axis installations.

Other features include our innovative 3-ohm impedance system, new shallower mounting depths for easy installations, Butyl rubber surrounds, proprietary stainless steel baskets, chrome push terminals and the tuner inspired custom "X" grills.

	Size	Power Handling (RMS/Peak)	Nominal Impedance	Frequency Response	Sensitivity (1W / 1M)	Mounting Depth
3XL-6902x	6x9"	130 / 260 watts	3-ohm	40Hz-22kHz	93 dB	3.25"
3XL-6502x	6.5"	90 / 180 watts	3-ohm	60Hz-22kHz	90 dB	2.5"



**3 YEAR**  
EXTENDED WARRANTY\*

\*Ask your Authorized Powerbass Dealer for Extended Warranty details.

## Full Range COAXIALS

### 2XL

Crystal clear sound quality with warm tones is what we demanded from our latest 2XL range of coaxial speakers and they will not disappoint! If you need a high quality speaker yet have a vehicle with special mounting requirements, this is the series for you. Whether you need a 4" or a 6x8" coaxial, we can fit most needs. We even offer a 6.5" thin mount speaker where you want all the bass but not much space.

The 2XL series also uses the 3-0 system, 3-ohm impedance for more efficient use of your amplifier power. With Butyl rubber surrounds, you get high efficiency and lower bass response with lower distortion. Our new lower profile pivoting silk dome tweeter and unique 50/50 wool blend midrange cone team up to give you warm accurate sound that you can listen to for hours without fatigue.



2XL-6802



2XL-6502



2XL-650T



2XL-6705



2XL-4602



2XL-5202



2XL-4002



2XL-6902



### 2XL COAXIALS

**Pivot Point 1" Silk Dome Swivel Tweeter**  
for smoother, clearer sound

**50/50 Wool Blend Cone** half paper, half wool  
delivers a more natural sound

**Butyl Rubber Surround** provides years of  
accuracy and quality sound

**Heavy Motor Structure** with protective boot for  
increased power handling

**3-ohm System Impedance** for more efficient  
use of amplifier power

**Rigid Tooled Basket with Stainless Steel  
Finish** for precise motor alignment

**PBX Custom Grill** insures your speaker looks  
and sounds its best

	Size	Power Handling (RMS/Peak)	Nominal Impedance	Frequency Response	Sensitivity (1W / 1M)	Magnet Size	Mounting Depth
2XL-6902	6x9"	100 / 200 watts	3-ohm	40Hz-21kHz	92 dB	30 oz	3.3"
2XL-6802	6x8"	75 / 150 watts	3-ohm	53Hz-21kHz	91 dB	14 oz	2.4"
2XL-6705	6.75"	75 / 150 watts	3-ohm	60Hz-21kHz	89 dB	12 oz	2.15"
2XL-6502	6.5"	75 / 150 watts	3-ohm	59Hz-21kHz	90 dB	14 oz	2.4"
2XL-650T	6.5" thin	60 / 120 watts	3-ohm	60Hz-21kHz	89 dB	12 oz	2.15"
2XL-5202	5.25"	60 / 120 watts	3-ohm	62Hz-20kHz	89 dB	12 oz	2.2"
2XL-4602	4x6"	50 / 100 watts	3-ohm	68Hz-20kHz	88 dB	10 oz	1.95"
2XL-4002	4"	50 / 100 watts	3-ohm	68Hz-20kHz	88 dB	10 oz	2.1"





**3 YEAR**  
EXTENDED WARRANTY\*

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## 3-OHM COMPONENTS

### 3XL

#### 1.5" Aluminum Voice Coil Former

for high power handling and maximum reliability

**Pivot Point 1" Titanium Dome Tweeter** with mounting kit delivers smooth and accurate treble reproduction that allows you to focus the sound where it is needed most

**Kevlar/Glass Blend Cone** delivers the smoothest, most natural sound reproduction available

**Cast Aluminum Basket** for lower resonance and reduced sound coloration

**3-Ohm System Impedance** for more efficient use of amplifier power that give you cleaner and louder audio replication

**Butyl Rubber Surround** provides linear cone movement that gives accurate sound replication

**Y-30 Grade Ferrite Magnet** High density, ultra efficient motor structure

**Computer Aided External 12dB 2-way Crossover Network** insures your speakers are protected while looking its best

**PBX Custom Grill** insures your speakers are protected while looking its best

	Size	Power Handling (RMS/Peak)	Nominal Impedance	Frequency Response	Sensitivity (1W / 1M)	Mounting Depth
3XL-60Cx	6.5"	90/ 180 watts	3-ohm	59Hz-22kHz	91 dB	3.2"
2XL-60C	6.5"	90 / 180 watts	3-ohm	59Hz-20kHz	91 dB	2.4"
2XL-50C	5.25"	70 / 140 watts	3-ohm	62Hz-20kHz	90 dB	2.2"
2XL-60.3C	6.5"	120 / 240 watts	3-ohm	59Hz-20kHz	92 dB	2.4"

Experience heightened sound clarity and precise, crisp vocals with PowerBass finest speaker series. Sharing the same features found on the 3XL Coaxial Series, the newly redesigned 3XL Components were engineered for listeners who want the absolute best and would not settle for anything less. From the Hybrid Kevlar®/Glass

Fiber cone to the industrial strength sand blasted Die Cast aluminum basket, each 3XL Component are meticulously designed to reproduce a wide audio spectrum with exceptional dynamics and more accurate bass.

### 3XL-60Cx



	Material	Size	Power Handling (RMS/Peak)	Nominal Impedance	Frequency Response	Sensitivity (1W / 1M)	Mounting Depth
3XL-2S	Pure Silk	1.25"	60 / 120 watts	4-ohm	3k-20kHz	92 dB	1"
2XL-1T	Titanium	1"	50 / 100 watts	4-ohm	4.2k-25kHz	91 dB	0.75"

### 2XL-1T



### 3XL-2S

## 4-OHM TWEETERS

### XTREME

Offered in two distinct models, these high definition tweeters are capable of producing exceptionally smooth and crisp highs. PowerBass Xtreme tweeters use edge driven diaphragms with a large voice coil for high power handling and sensitivity. The 3XL-2S uses the finest hand treated silk available while the 2XL-1T incorporates an advanced anodized titanium dome.

## 3XL / 2XL TWEETERS

**Pivoting Tweeters With Composite Surround** for outstanding imaging and high frequency reproduction

**Compact Computer Optimized Acoustic Crossover Network** 12dB/octave inline crossover

**Flush, Angle And Surface Mount Kit** provides custom pinpoint imaging and installation versatility



**3 YEAR**  
EXTENDED WARRANTY\*

\*Ask your Authorized PowerBass Dealer for Extended Warranty details.

## 3-OHM COMPONENTS

## 2XL

## 2XL CONVERTIBLE COMPONENTS

**Pivot Point 1" Silk Dome Tweeter** with mounting kit delivers smooth and accurate treble reproduction that allows you to focus the sound where it is needed most

**Convertible Tweeter Assembly** for co-axial or component style mounting

**50/50 Wool Blend Cone** delivers the smoothest, most natural sound reproduction available

**Rigid Tooled Basket with Stainless Steel Finish** for a stable, high performance speaker foundation

**3-Ohm System Impedance** for more efficient use of amplifier power that gives you cleaner and louder audio replication

**Butyl Rubber Surround** provides linear cone movement that gives accurate sound replication

**Heavy Motor Structure** with protective boot for increased power handling

**Computer Aided External 12dB 2-way Crossover Network** for smooth transitions between the woofer and tweeter

**PBX Custom Grill** insures you speaker is protected and looks it's best



## 2XL-60C



## 2XL 3-WAY COMPONENT SYSTEM

**Pivot Point 1" Silk Dome Tweeter** with mounting kit delivers smooth and accurate treble reproduction that allows you to focus the sound where it is needed most

**50/50 Wool Blend Cone** delivers the smoothest, most natural sound reproduction available

**Rigid Tooled Basket with Stainless Steel Finish** for a stable, high performance speaker foundation

**3-Ohm System Impedance** for more efficient use of amplifier power that gives you cleaner and louder audio replication

**Butyl Rubber Surround** provides linear cone movement that gives accurate sound replication

**Heavy Motor Structure** with protective boot for increased power handling

**Computer Aided External 12dB 2-way Bi-Ampable Crossover Network** allows you to choose between conventional or bi-amp wiring configuration

**PBX Custom Grill** insures you speaker is protected and looks it's best



Our 3-way component system from the 2XL series uses a completely new 2-inch silk dome midrange for the ultimate music listening experience. Like the 2-way version, this system uses the same 50/50 paper mids with aluminum phase plug and 1-inch silk dome

tweeters. Packaged with an outboard 3-way Bi-Ampable crossover that offers selectable midrange and tweeter attenuation points, PowerBass once again proves that you can get the best without breaking the bank!

## 2XL-60.3C





**3 YEAR**  
EXTENDED WARRANTY\*

\*Ask your Authorized Powerbass Dealer for Xtended Warranty details.

## COMPETITION DRIVERS

### 4 X L

#### 4XL COMPETITION DRIVERS

**Spun Aluminum Phase Plug**

bullet design reduces phase cancellation

**Accordian Surround**

cloth edge surround minimizes distortion

**Chrome Push Input Terminals**

accept up to 10-ga speaker wire for maximum current transfer

**1.5" KSV Voice Coil**

Single 4-ohm VC designed to work with mobile amplifiers

### 4XL-65-92

#### 6.5" MID RANGE DRIVER (4-OHM)

- 100 RMS/200 watts max.
- 35 oz. Ferrite Magnet
- 1.5" KSV Voice Coil
- 92 dB



### 4XL-80-94

#### 8" MID BASS (4-OHM)

- 150 RMS/300 watts max.
- 35 oz. Ferrite Magnet
- 1.5" KSV Voice Coil
- 94 dB





## SOUND PROCESSORS XTREME

### XEQ-5X0A 4 BAND PARAMETRIC EQUALIZER / PRE-AMP

- Switchable Main/AUX Input
- Front/Rear/Sub Output
- Variable Input Gains
- Variable Subwoofer Crossover
- Subwoofer Volume Control
- Master Volume Control
- Variable Fader Control
- Maximum 10 Volt Output
- Front Panel AUX 3.5mm input (MP3 ready)



### XEX-23 2/3-WAY ACTIVE ELECTRONIC CROSSOVER

- Front and Rear x10 Frequency Multiplier Switches
- Tri-Mode Input (Front/Rear/Subwoofer)
- Remote Bass Boost
- Active Band Pass Switch
- Single Source Input Switch
- Variable 18dB Bass Boost Circuitry

## WIRING KITS XTK



### XTK-4 4 GAUGE DELUXE AMPLIFIER WIRING KIT

- 16' High Quality Twisted Pair RCA Cables
- 16' OFC Power and 3' Ground Wire
- 30' OFC 16 GA Speaker Wire
- Deluxe Waterproof Fuse Holder
- Assorted Platinum Connectors
- Attractive Blister Card

### XTK-48D DUAL AMPLIFIER WIRING KIT W/ DIGITAL DISTRIBUTION BLOCK

ALTERNATING AMP/DC-V BLUE LED METER



- 16' High Quality Twisted Pair RCA Cables
- 4 GA 16' OFC Power and 3' OFC Ground Wire
- 8 GA 6' OFC Power and 6' OFC Ground Wire
- 40' OFC 16 GA Speaker Wire
- Mini ANL Fuse Block with Blue LED Voltage/Amperage Meter
- Platinum Connectors
- Attractive Blister Card





## XL-522M, XL-652M, XL-692M

### MARINE COAXIALS

- Marine Grade Speakers with Injection Molded UV-Treated White Polypropylene Cones
- UV-Resistant Hi-Impact Integrated White Grills
- White Polyamide Speaker Baskets
- Polyurethane Rubber Woofer Surrounds
- Grill Mounted Sealed Tweeters, MET (Marine Engineered Technology) Dome Tweeters
- Gold Plated Input Terminals
- Moisture Protective Sealed Magnet Covers
- Stainless Steel Mounting Hardware
- Insulated Tinsel Leads



XL-692M



XL-652M



XL-522M

	XL-522M	XL-652M	XL-692M
Woofer	5.25" Poly	6.5" Poly	6x9" Poly
Tweeter	1.0" Mylar	1.0" Mylar	1.0" Mylar
Nominal Impedance	4-ohm	4-ohm	4-ohm
Frequency Response	70Hz-20kHz	67Hz-20kHz	56Hz-20kHz
Sensitivity 1W / 1M	91 dB	92 dB	94 dB
Power RMS / Peak	60/120 watts	80/160 watts	120/240 watts
Housing	UV Plastic	UV Plastic	UV Plastic
Mounting Depth	2.33"	2.8"	3.5"





**3 YEAR**  
EXTENDED WARRANTY\*

\*Ask your Authorized Powerbass Dealer for Xtended Warranty details.

MARINE AUDIO

**XL**

## XL-60M

### MARINE COMPONENT SYSTEM

- Marine Grade Speakers with Injection Molded UV-Treated White Polypropylene Cones
- UV-Resistant Hi-Impact Integrated White Grills
- White Polyamide Speaker Baskets
- Polyurethane Rubber Woofer Surrounds
- Pivot Point 1" Titanium Dome Tweeter for the ultimate in clarity and high frequency reproduction
- Computer Aided External 12dB 2-way Crossover Network for smooth transitions between the woofer and tweeter
- Gold Plated Input Terminals
- Moisture Protective Sealed Magnet Covers
- Stainless Steel Mounting Hardware
- Insulated Tinsel Leads



## XL-104M

### 10" MARINE WOOFER

- Marine Grade Woofer with Injection Molded UV-Treated White Polypropylene Cone
- Polyurethane Rubber Woofer Surround
- Insulated Tinsel Leads
- Marine Grade Spider
- White Powder Coated Basket
- 120 oz. Motor Structure
- 2.0" KSV Voice Coil
- 250 Watts RMS/500 Peak
- Frequency Response 31 – 500 Hz.
- Single 4-Ohm Impedance
- Gold Plated Input Terminals
- 4.95" Mounting Depth







# P O W E R B A S S   A U T O S O U N D



PowerBass has made it their goal to build cutting edge products that offer you the best value with unrivaled performance. Now, more than ever, this is an important mission statement.

In the car audio industry today, you see a lot of products that come in a pretty package, but offer little performance or durability. At PowerBass we invest in top audio and electrical engineers to ensure we deliver a product that not only looks great, but performs even better.

PowerBass is a team of audio professionals with technical, musical, sq and spl competition experience that work together to develop parameters for our products. This information is then sent to our lab where our engineers push the limits of product design. This product is then put through rigorous testing to make sure it meets our expectations of performance and durability, before it ever hits the install bay. Our goal is to provide users of PowerBass products the ultimate audio experience.

While enjoying the sounds of a PowerBass product you might not be thinking about the engineering behind the sound, but you will appreciate the ultimate audio experience your PowerBass products bring you.

# L series

## SUBWOOFERS

The L Series Subwoofer line changes the rules for both earth-shaking SPL and smooth bass for the SQ purist.

Each L model features our all new, second generation Zirconium cone infused with Titanium. This new Z-2 cone combines deep bass and distortion free sound. Next we designed a single piece CNC machined backplate with extended pole piece to ensure a strong symmetric magnetic field for increased operating efficiency.

To make the bass super tight, our engineers perfected the large roll Santoprene® surround which allows free movement of the cone for maximum SPL, a large motor structure for high power handling, 2" and 2.5" vented KSV voice coil formers for optimum performance and cooling for maximum heat dissipation.

### L SUBWOOFERS

**Z-2 Titanium Zirconium Cone** for the best, distortion free sound reproduction

**Large Roll, Santoprene Surrounds** allow the free movement of the cone which equals deep loud bass and high power handling

**One Piece Chrome Plated Backplate and Extended Pole Piece** provides precise linear voice coil alignment while maximizing air flow from the vented pole piece

**Large Motor Structures** for high power handling

**Dual 4-ohm Voice Coils** made with pure PIW wire looped through spider

**2 and 2.5" Vented KSV Voice Coil Formers** for optimum performance, power handling and cooling

**Chrome Push Terminals** to guarantee optimal power transfer to your woofer from your amplifier

**Rigid Tooled Basket with Black Powder Coat Finish** for a stable, high performance woofer foundation

**Designed To Work Optimally In Sealed Or Ported Enclosures** for multiple installation applications



	size	power handling (rms/peak)	nominal impedance	voice coil size	frequency response	sensitivity (1w / 1m)	motor structure	mounting depth
<b>L-154D</b>	15"	500 / 1000 watts	Dual 4-ohm	2.5"	24Hz-400Hz	94 dB	232 oz	6.4"
<b>L-124D</b>	12"	400 / 800 watts	Dual 4-ohm	2"	26Hz-450Hz	92 dB	180 oz	5.4"
<b>L-104D</b>	10"	350 / 700 watts	Dual 4-ohm	2"	32Hz-500Hz	91 dB	164 oz	5.2"



"The overall output was impressive, and you do not need a huge amp to get serious output from this woofer"

- Garry Springgay  
COGENT AUDIO LABS

M-124D as reviewed by



# M series

## SUBWOOFERS

The M Series Subwoofer line represents PowerBass as a performance and value leader. These woofers are designed to deliver rich sounding bass at all volume levels. Check out the high-tech features: 4-layer non pressed paper DDC (Dynamic Damping Coating) finish cone, large roll Santoprene® surrounds which allow free movement of the cone for maximum SPL, a large motor structure for high-power handling, 2" and 2.5" vented BASV Voice Coil formers for optimum performance, and cooling for maximum heat dissipation. For increased operating efficiency a CNC machined one piece backplate and pole plate is used to reduce magnetic losses and maximize air flow keeping the voice coil running cooler. Chrome-plated binding post terminals accept large gauge wire to assure all power from the amplifier reaches the subwoofer.

Designed to work optimally in sealed or ported enclosures and either dual or single 4 ohm voice coils for multiple bass applications. Try the mighty M Series today!

### M SUBWOOFERS

**Proprietary 4-layer, Non-pressed Paper, DDC Finish Cone Dynamic Damping Coating (DDC)** for deeper, distortion free bass

**Large Roll Santoprene Surround** allows maximum excursion and precision bass reproduction

**Black Emissive Coated Backplate and Pole Piece** dome shaped to maximize air flow from the vented pole piece

**Massive Motor Structure** for high power handling and maximum output

**Dual and Single 4-ohm Voice Coils** made with pure PIW wire looped through the spider

**2 and 2.5" Vented BASV Voice Coil Formers** for optimal performance and power handling

**Chrome Push Terminals** to guarantee optimal power transfer to your woofer from your amplifier

**Rigid Tooled Basket with Black Powder Coat Finish** for a stable, high performance woofer foundation

**Optimally Designed for Both Sealed or Ported Enclosures** for multiple installation applications



	size	power handling (rms/peak)	nominal impedance	voice coil size	frequency response	sensitivity (1w / 1m)	motor structure	mounting depth
<b>M-154D</b>	15"	425 / 850 watts	Dual 4-ohm	2.5"	23Hz-400Hz	94 dB	220 oz	6.4"
<b>M-154</b>	15"	425 / 850 watts	Single 4-ohm	2.5"	23Hz-400Hz	94 dB	220 oz	6.4"
<b>M-124D</b>	12"	375 / 750 watts	Dual 4-ohm	2"	29Hz-450Hz	92 dB	164 oz	5.4"
<b>M-124</b>	12"	375 / 750 watts	Single 4-ohm	2"	29Hz-450Hz	92 dB	164 oz	5.4"
<b>M-104D</b>	10"	325 / 650 watts	Dual 4-ohm	2"	29Hz-500Hz	91 dB	158 oz	5.2"
<b>M-104</b>	10"	325 / 650 watts	Single 4-ohm	2"	32Hz-500Hz	91 dB	158 oz	5.2"





## SUBWOOFERS

The new S-Series Subwoofer line takes great value to a whole new level. You will be impressed with the oversized motor structure for high-power handling and greater reliability during heavy hitting bass passages. Our 12-inch version features an even larger magnet for improved performance. New for 2011, we developed an improved 4-layer wool/paper cone for very natural smooth bass reproduction that provides high output with low distortion. PowerBass S-Series woofers sport a flat black finished, stamped steel basket that is custom tooled with our distinctive X design, 2" BASV voice coil formers for optimum performance and cooling. Like the entire Autosound range, we also offer a large roll foam surround allowing free movement of the cone, which equals loud bass.

The S Series subwoofers are well-suited for small sealed or ported enclosures and use dual 4-ohm and single 4-ohm voice coils for multiple bass applications. Value is the target for the S Series woofer without sacrificing hard-hitting performance.

### S SUBWOOFERS

#### 4-Layer Black Paper/Wool Cone

improved for very natural smooth bass reproduction

#### Large Roll Foam Surrounds

allow the free movement of the cone which equals loud bass

#### Oversized Motor Structure

high intensity ferrite magnet for increased power handling

#### Dual And Single 4-ohm Voice Coils

made with pure PIW wire looped through the spider

#### 2" BASV Voice Coil Formers

for optimum performance and cooling

#### Chrome Push Input Terminals

to ensure the best current transfer from the amplifier to the woofer

#### Pole and Aero Vented Cooling

cooler woofers mean better bass and power handling

#### Rigid Tooled Flat Black Steel Basket

for a stable, high performance woofer foundation

#### Designed For Both Small Sealed or Ported Enclosures

which include most pre-fabricated boxes



	size	power handling (rms/peak)	nominal impedance	voice coil size	frequency response	sensitivity (1w / 1m)	motor structure	mounting depth
<b>S-124Dx</b>	12"	300 / 600 watts	Dual 4-ohm	2"	29Hz-450Hz	91 dB	142 oz	5.5"
<b>S-124x</b>	12"	300 / 600 watts	Single 4-ohm	2"	31Hz-450Hz	91 dB	142 oz	5.5"
<b>S-104Dx</b>	10"	275 / 550 watts	Dual 4-ohm	2"	33Hz-500Hz	90 dB	116 oz	5.2"
<b>S-104x</b>	10"	275 / 550 watts	Single 4-ohm	2"	32Hz-500Hz	90 dB	116 oz	5.2"



## THIN WOOFERS

Our new Thin Woofers are only 3.25" deep but don't let its lean size fool you, these woofers are big on bass. We gave our engineers the difficult task of building a thin woofer that was up to the PowerBass reputation of great performance at an exceptional value.

Starting with our proprietary polycarbonate/glass fiber composite frame, we built a basket that is stronger than steel and lighter than cast aluminum. Our unique one piece cone is another breakthrough in woofer technology, more durable than paper, this injected molded cone is able to withstand the abuse that comes from delivering deep bass in a small enclosure.

By adding a tough wide roll rubber surround and 2-inch vented voice coil, we were able to develop a woofer that has the ability to play loud in small places. The PowerBass Thin Woofer makes true bass a reality.

### S THIN WOOFERS

**Thin Mount Woofer Design**  
allows installation behind or under seats

**Fiber Composite Turbine Basket**  
adds structural integrity and reduces resonance

**Single Piece Custom Injected Molded Cone**  
strong enough to withstand punishment in a small enclosure

**Large Roll Rubber Surround**  
for optimum performance and durability

**Oversized Motor Structure**  
high intensity ferrite magnet for increased power handling

**Dual And Single 4-ohm Voice Coils**  
made with pure PIW wire looped through the spider

**2" Vented KSV Voice Coil Former**  
venting keeps the coil running cooler at high power

**Chrome Push Terminals** ensure the best current transfer from the amplifier to the woofer

**Optimally Designed for Small Sealed Enclosures**  
for tight area, high SPL application



	size	power handling (rms/peak)	nominal impedance	voice coil size	frequency response	sensitivity (1w / 1m)	motor structure	mounting depth
<b>S-12TD</b>	12"	300 / 600 watts	Dual 4-ohm	2"	29Hz-350Hz	91 dB	140 oz	3.25"
<b>S-12T</b>	12"	300 / 600 watts	Single 4-ohm	2"	31Hz-350Hz	91 dB	140 oz	3.25"
<b>S-10TD</b>	10"	275 / 550 watts	Dual 4-ohm	2"	33Hz-400Hz	90 dB	116 oz	3.25"
<b>S-10T</b>	10"	275 / 550 watts	Single 4-ohm	2"	34Hz-400Hz	90 dB	116 oz	3.25"



# PS series

LOADED BOXES

Bass is our backbone here at PowerBass and our engineers have designed an affordable, yet powerful solution to put a new low in the bottom end of your sound system with PS-WB loaded woofer boxes. We take a unique design approach and engineer the woofers to fit the box, not the other way around like our competition. This gives our enclosures a deeper, tighter bass that handles more power for your hard earned cash.

We feature a vented "bass reflex" enclosures with chrome, flared Venturi ports tuned to a very low frequency for loud bass that shakes every bone in your body.

When you don't have a lot of space for bass, we have our PS-WB110T and 112T sealed "air suspension" truck enclosures that are designed to fit under or behind your seat that deliver tight, accurate bass.

PS-WB10



PS-WB110T



## LOADED SUB ENCLOSURES

### Heavy-duty Box Design

Enclosures are constructed from non-resonant 5/8" panels

### Stylish Two-tone Vinyl

RFG aviation grade vinyl resists wear better than fuzzy material

### Computer Optimized Acoustic Chamber

Perfectly tuned for the automotive environment

### Single 4-ohm Color Coded Input

All models feature a single 4-ohm two wire input to simplify wiring



**PS-WB110**

	size	power handling (rms/peak)	nominal impedance	frequency response	height	width	top depth	bottom depth
<b>PS-WB12</b>	Dual 12"	550 / 1100 watts	Single 4-ohm input	30Hz-120Hz	13.5"	34"	12.25"	14.4"
<b>PS-WB10</b>	Dual 10"	500 / 1000 watts	Single 4-ohm input	33Hz-150Hz	12.25"	32"	11.4"	13.75"
<b>PS-WB112</b>	Single 12"	275 / 550 watts	Single 4-ohm input	30Hz-120Hz	13.5"	18.75"	12.25"	14.4"
<b>PS-WB110</b>	Single 10"	250 / 500 watts	Single 4-ohm input	33Hz-150Hz	12.25"	17"	11.4"	13.75"
<b>PS-WB112T</b>	Single 12" thin	300 / 600 watts	Single 4-ohm input	36Hz-250Hz	14"	30.3"	3.5"	5.4"
<b>PS-WB110T</b>	Single 10" thin	275 / 550 watts	Single 4-ohm input	38Hz-280Hz	13"	21.5"	3.5"	6.75"



## ATOM COMPACT AMP

Adding affordable, compact power to your sound system is a no brainer with PowerBass Atom amplifiers. Developed by our top engineers to fit into the tightest places with the largest sound. They boast overbuilt, ultra efficient, linear power supplies that create high voltage and ample current. Couple this with our use of superior parts and the benefit is huge amounts of dynamic headroom with plenty of reserve power to produce the details and dynamics in a very small package. To handle all this power in such a small footprint, we chose double sided fiberglass circuit boards. The high quality PCB's feature a clean board lay out consisting of 2 ounce pure copper traces to maximize the current transfer from the inputs to the outputs. The net result is low distortion, highly detailed sonic reproduction.

### CLASS A/B FULL RANGE

**2-ohm Stereo/4-ohm Mono Stable Circuitry** produces maximum output power for your speakers

**Ultra Efficient Design** results in a compact A/B Class footprint and low profile chassis with uncompromised sound

**High / Low Level Inputs** compatible with OEM or aftermarket radios

**Selectable Electronic Bass EQ** can be switched from 0 to 6 or 12dB for added bass

**Variable 12dB High/Low Pass Electronic Crossover** for infinite system applications

**Double Sided PCB** high quality printed circuit board maximizes current flow and increases sonic excellence

### CLASS D MONO BLOCK

**1-ohm Stable Class D Circuitry** to develop maximum power to drive your subwoofers

**Low Current/High Efficiency** ultra low current draw produces less heat along with 85% efficiency for more power in a compact footprint

**High / Low Level Inputs** compatible with OEM or aftermarket radios

**Variable Electronic Low Pass Crossover** to customize the bass to your vehicle

**Variable Electronic Sub-Sonic Filter** to cut the power robbing signals that cannot be reproduced or heard from your subwoofers

**Variable Electronic Bass EQ** lets you get the most out of your subwoofers

**Variable Remote Gain Control (included)** gives the listener the option of turning the subwoofer control up or down

#### 4-Channel

##### ATM 660.4

4-ohm Power	100 watts x 4
2-ohm Power	200 watts x 4
4-ohm Mono Power	400 watts x 2
Peak Power	1600 watts
Total Harmonic Distortion	<0.05%
Frequency Response	10Hz~30,000Hz
S/N Ratio	>80dB
Damping Factor	>150
Input Sensitivity	0.2 - 5.0 volts
Crossover Slope	12dB
High-Pass Crossover Freq (Hz)	50Hz~500Hz
Low-Pass Crossover Freq (Hz)	40Hz~500Hz
Switchable Subwoofer EQ	0/+6/+12dB
Subwoofer EQ Frequency	40Hz
Dimensions	10.5" x 7.7" x 2.2"

##### ATM 550.4

4-ohm Power	75 watts x 4
2-ohm Power	150 watts x 4
4-ohm Mono Power	300 watts x 2
Peak Power	1200 watts
Total Harmonic Distortion	<0.05%
Frequency Response	10Hz~30,000Hz
S/N Ratio	>80dB
Damping Factor	>150
Input Sensitivity	0.2 - 5.0 volts
Crossover Slope	12dB
High-Pass Crossover Freq (Hz)	50Hz~500Hz
Low-Pass Crossover Freq (Hz)	40Hz~500Hz
Switchable Subwoofer EQ	0/+6/+12dB
Subwoofer EQ Frequency	40Hz
Dimensions	9" x 7.7" x 2.2"

##### ATM 440.2

4-ohm Power	100 watts x 2
2-ohm Power	200 watts x 2
4-ohm Mono Power	400 watts x 1
Peak Power	800 watts
Total Harmonic Distortion	<0.05%
Frequency Response	10Hz~30,000Hz
S/N Ratio	>80dB
Damping Factor	>150
Input Sensitivity	0.2 - 5.0 volts
Crossover Slope	12dB
High-Pass Crossover Freq (Hz)	50Hz~500Hz
Low-Pass Crossover Freq (Hz)	40Hz~500Hz
Switchable Subwoofer EQ	0/+6/+12dB
Subwoofer EQ Frequency	40Hz
Dimensions	8.2" x 7.7" x 2.2"

##### ATM 330.2

4-ohm Power	75 watts x 2
2-ohm Power	150 watts x 2
4-ohm Mono Power	300 watts x 1
Peak Power	600 watts
Total Harmonic Distortion	<0.05%
Frequency Response	10Hz~30,000Hz
S/N Ratio	>80dB
Damping Factor	>150
Input Sensitivity	0.2 - 5.0 volts
Crossover Slope	12dB
High-Pass Crossover Freq (Hz)	50Hz~500Hz
Low-Pass Crossover Freq (Hz)	40Hz~500Hz
Switchable Subwoofer EQ	0/+6/+12dB
Subwoofer EQ Frequency	40Hz
Dimensions	6.5" x 7.7" x 2.2"

#### Class D Bass

##### ATM 900.1D

4-ohm Power	325 watts x 1
2-ohm Power	550 watts x 1
1-ohm Mono Power	900 watts x 1
Peak Power	1800 watts
Total Harmonic Distortion	<1.0%
Frequency Response	10Hz~250Hz
S/N Ratio	>80dB
Damping Factor	>150
Input Sensitivity	0.5 - 5.0 volts
Crossover Slope	12dB
Low-Pass Crossover Freq (Hz)	40Hz~180Hz
Variable Subsonic Freq	17Hz~50Hz
Variable Subwoofer EQ	0-18dB
Subwoofer EQ Frequency	40Hz
Dimensions	12.5" x 7.7" x 2.2"

##### ATM 600.1D

4-ohm Power	250 watts x 1
2-ohm Power	400 watts x 1
4-ohm Mono Power	600 watts x 1
Peak Power	1200 watts
Total Harmonic Distortion	<1.0%
Frequency Response	20Hz~250Hz
S/N Ratio	>80dB
Damping Factor	>150
Input Sensitivity	0.5 - 4.0 volts
Crossover Slope	12dB
Low-Pass Crossover Freq (Hz)	40Hz~250Hz
Variable Subsonic Freq	17Hz~50Hz
Variable Subwoofer EQ	0-18dB
Subwoofer EQ Frequency	40Hz
Dimensions	11.3" x 7.7" x 2.2"



▼ \*Size of ATM 330.2 compared to ASA 300.2x

powerbass

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# ASA series

## AMPLIFIERS

We asked our engineers to load up on features usually found only in other brands high-end ranges. Feature packed with a wide line-up of 2, 4 and even 5 channel amplifiers, ASA Amplifiers meet the needs of any serious audiophile. With its elegant, brushed satin black finish, clean lines and rounded edges, our ASA amplifiers will not leave you asking for more. These amplifiers deliver pure, clean power with the soul of rock and roll or whatever your taste. Variable 12 dB, high/low pass electronic crossover for infinite system applications. A MOSFET power supply for efficient and distortion-free sound reproduction which offers 2-ohm stereo or 4-ohm mono stable capabilities. User-friendly features like a variable bass boost control with 18 dB of boost at 40 Hz to give you more output from your subwoofers. If you really want serious control of your subwoofer output, an optional remote gain control is available.

### CLASS A/B AMPLIFIERS

**2-ohm Stereo/4-ohm Mono Stable\***  
for multiple connection versatility

**MOSFET Power Supply**  
for the most efficient and distortion free sound reproduction

**Variable 12 dB, High/Low Pass Electronic Crossover**  
for infinite system applications

**Variable Bass Boost**  
that lets you get the most out of your subwoofers

**Optional Remote Gain Control**  
gives the listener the option of turning the subwoofers up or down

\*A/B Mono blocks are stable at 2-ohm Mono

Our A/B Class mono block amplifiers combine our clean low profile design with the necessary features into an economical package that puts power and control at your command. Features like a MOSFET power supply, RCA preamp out, and variable LPF electronic crossover make these ideally suited to add some punch to any system.

The ASA-400.1x mono subwoofer amp is a great choice when you're looking to pound out the bass. With 200 watts, there's plenty of juice on tap to power our S or M Series single 4-ohm woofers. Wire a pair of 4-ohm woofers in parallel and the ASA-400.1x will kick out a solid 400 watts. Need more power, then step up to the ASA-600.1x. Both amps are stable to 2-ohms and come complete with a wired remote controller with up to 18dB of gain.

	5-Channel		4-Channel		2-Channel		
	ASA 1100.5x	ASA 700.5x	ASA 600.4x	ASA 400.4x	ASA 800.2x	ASA 600.2x	ASA 400.2x
4-ohm Power	75 watts x 4 + 250 x 1	50 watts x 4 + 200 x 1	100 watts x 4	50 watts x 4	200 watts x 2	150 watts x 2	100 watts x 2
2-ohm Power	150 watts x 4 + 500 x 1	100 watts x 4 + 400 x 1	200 watts x 4	100 watts x 4	400 watts x 2	300 watts x 2	200 watts x 2
4-ohm Mono Power	300 watts x 2 + 500 x 1	200 watts x 2 + 400 x 1	400 watts x 2	200 watts x 2	800 watts x 1	600 watts x 1	400 watts x 1
Peak Power	2200 watts	1400 watts	1600 watts	800 watts	1600 watts	1200 watts	800 watts
Total Harmonic Distortion	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%
Frequency Response	20Hz~22,000Hz	20Hz~22,000Hz	20Hz~22,000Hz	20Hz~22,000Hz	20Hz~22,000Hz	20Hz~22,000Hz	20Hz~22,000Hz
S/N Ratio	>94dB	>94dB	>94dB	>94dB	>94dB	>94dB	>94dB
Damping Factor	>150	>150	>150	>150	>150	>150	>150
Input Sensitivity	0.5 - 4.0 volts	0.5 - 4.0 volts	0.5 - 4.0 volts	0.5 - 4.0 volts	0.5 - 4.0 volts	0.5 - 4.0 volts	0.5 - 4.0 volts
Crossover Slope	12dB	12dB	12dB	12dB	12dB	12dB	12dB
High-Pass Crossover Freq (Hz)	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz
Low-Pass Crossover Freq (Hz)	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz
Variable Subwoofer EQ	0/+18dB	0/+18dB	0/+18dB	0/+18dB	0/+18dB	0/+18dB	0/+18dB
Subwoofer EQ Frequency	40Hz	40Hz	40Hz	40Hz	40Hz	40Hz	40Hz
Dimensions (in Inches)	18.4" x 9.3" x 1.9"	14.9" x 9.3" x 1.9"	14.9" x 9.3" x 1.9"	10.2" x 9.3" x 1.9"	16.5" x 9.3" x 1.9"	13.7" x 9.3" x 1.9"	10.2" x 9.3" x 1.9"

## CLASS D AMPLIFIERS

### 1-ohm Stable Class D Circuitry

#### Dual Link Capability

link 2 like amplifiers together for double power

#### Variable Electronic Low Pass Crossover

to customize the bass for your vehicle

#### Variable Electronic Sub-Sonic Filter

to cut the power robbing signals that can not be reproduced or heard from you subwoofers

#### Variable Electronic Bass Boost

that lets you get the most out of your subwoofers

#### Variable Remote Gain Control (included)

gives the listener the option of turning the subwoofers up or down

To give your subwoofers some serious power at an affordable price, we offer the ASA range in super efficient Class D power. This line offers amplifiers that can provide 1,500 watts to a single woofer - if it can take it. Our Class D amplifiers are 1-ohm stable, feature subsonic filters to keep ultra low frequencies from zapping power from where you want them. Bass boost control also gives you the ability to increase your subwoofers output by up to 18 dB at the earth shaking frequency of 40 Hz. To finish these amps off, we include a remote gain control to give you the ultimate in subwoofer volume control from the cockpit of your vehicle.



Mono Block				Class D Bass			
ASA 300.2x	ASA 200.2x	ASA 600.1x	ASA 400.1x		ASA 1500.1Dx	ASA 1000.1Dx	ASA 600.1Dx
75 watts x 2	50 watts x 2	300 watts x 1	200 watts x 1	4-ohm Power	375 watts x 1	250 watts x 1	150 watts x 1
150 watts x 2	100 watts x 2	600 watts x 1	400 watts x 1	2-ohm Power	750 watts x 1	500 watts x 1	300 watts x 1
300 watts x 1	200 watts x 1	n/a	n/a	1-ohm Mono Power	1500 watts x 1	1000 watts x 1	600 watts x 1
600 watts	400 watts	1200 watts	800 watts	Peak Power	3000 watts	2000 watts	1200 watts
<0.05%	<0.05%	<0.05%	<0.05%	Total Harmonic Distortion	<0.5%	<0.5%	<0.5%
20Hz~22,000Hz	20Hz~22,000Hz	20Hz~22,000Hz	20Hz~22,000Hz	Frequency Response	20Hz~250Hz	20Hz~250Hz	20Hz~250Hz
>94dB	>94dB	>94dB	>94dB	S/N Ratio	>80dB	>80dB	>80dB
>150	>150	>150	>150	Damping Factor	>150	>150	>150
0.5 - 4.0 volts	0.5 - 4.0 volts	0.5 - 4.0 volts	0.5 - 4.0 volts	Input Sensitivity	0.5 - 4.0 volts	0.5 - 4.0 volts	0.5 - 4.0 volts
12dB	12dB	12dB	12dB	Crossover Slope	12dB	12dB	12dB
40Hz~250Hz	40Hz~250Hz	n/a	n/a	High-Pass Crossover Freq (Hz)	40Hz~150Hz	40Hz~150Hz	40Hz~150Hz
40Hz~250Hz	40Hz~250Hz	40Hz~250Hz	40Hz~250Hz	Variable Subwoofer EQ	0/+18dB	0/+18dB	0/+18dB
0/+18dB	0/+18dB	0/+18dB	0/+18dB	Subwoofer EQ Frequency	40Hz	40Hz	40Hz
40Hz	40Hz	40Hz	40Hz	Dimensions (in Inches)	15" x 11.3" x 1.9"	13.7" x 11.3" x 1.9"	11.875" x 11.3" x 1.9"
7.8" x 9.3" x 1.9"	7" x 9.3" x 1.9"	15.0" x 11.3" x 1.9"	13.75" x 11.3" x 1.9"				



# L series

FULL RANGE

Designed for today's progressive music, our L-Series now use a re-engineered Sound Expander Lens to compliment our Aluminum Dome tweeter. By increasing the dispersion you will hear your favorite rap, hip hop or rock music like never before.

Upgrading your factory speakers is the most effective way to increase the sound quality of your factory sound system. By adding quality aftermarket speakers, you will enjoy your music loud and clear. The PowerBass L Series systems can make it all come together in a big way, providing you with accurate mid-range and crisp highs that complement the rest of your system without a strain on the wallet.

The L Series has numerous features, but one that stands out is the use of a 3-ohm voice coil to make more efficient use of your amplifiers power. Most amplifiers make more power running at a lower impedance and by using a 3-ohm voice coil, you get more output. To handle this power, we include upgraded features like black stamped custom tooled baskets, our new second generation Z-2 cones to produce the best in distortion free sound reproduction, Butyl rubber surrounds for high efficiency, better bass response and long life, and a larger motor structure to handle increased power.

Audition a set of our L Series today and let your ears decide!



L-6903x



L-4602x



L-5202x



L-6502x



L-6705x



L-6802x

## L SERIES COAXIALS

**Aluminum Dome 3/4" Tweeter** delivers sharp, crisp treble reproduction (L-6903x and L-7105x use PEI tweeter and mid)

**Z-2 Titanium Zirconium Cone** for the best, distortion free sound reproduction

**Butyl Rubber Surround** provides linear cone movement that gives accurate sound replication

**3-Ohm System Impedance** for more efficient use of amplifier power that give you cleaner and louder audio replication

**Heavy Motor Structure** with protective boot for high power handling

**Rigid Tooled Basket with Black Powder Coat Finish** for a stable, high performance speaker foundation

**Proprietary SEL Tweeter Ring (Sound Expander Lens)** to focus the high frequencies where you need them the most

	Size	Power Handling (RMS/Peak)	Nominal Impedance	Frequency Response	Sensitivity (1W / 1M)	Magnet Size	Mounting Depth
L-6903x	6x9"	100 / 300 watts	3-ohm	43Hz-20kHz	91 dB	30 oz	3.3"
L-6802x*	6x8"	70 / 210 watts	3-ohm	54Hz-21kHz	89 dB	14 oz	2.4"
L-7105x	7x10"	120 / 360 watts	3-ohm	40Hz-22kHz	93 dB	30 oz	3.35"
L-6705x*	6.75"	60 / 180 watts	3-ohm	62Hz-21kHz	89 dB	12 oz	2.15"
L-6502x	6.5"	60 / 180 watts	3-ohm	59Hz-21kHz	88 dB	12 oz	2.4"
L-5202x	5.25"	50 / 150 watts	3-ohm	64Hz-21kHz	88 dB	10 oz	2.2"
L-4602x*	4x6"	40 / 120 watts	3-ohm	70Hz-21kHz	87 dB	10 oz	1.95"

\*Grills not included



## FULL RANGE FACTORY UPGRADES

Designed as a great replacement for most OEM speaker applications, the S Series speaker systems offer great performance at a great price. This range offers a complete line-up specifically sized for OEM drop-in replacement of 2.75", 3.5", 4"x6", 4"x10", 6.75" and 6"x8".

Recently we added a hard to find 2.75" full range speaker that fits many Chrysler applications - making our S-series one of the most complete lines available. With so many sizes offered in this coaxial range these speakers make an excellent choice for Autosound enthusiasts who seek true value along with easy installation.

We invite you to put our S Series to the test and compare them to speakers priced much higher. Our proprietary 2-layer paper cone features DDC, allowing you to hear smooth and rich bass all the way through the mid-range tones. For the high frequencies, we feature a low profile, pure silk dome tweeter like the type used in expensive home systems--to make sure you get a complete hi-fi experience.



### S SERIES COAXIALS

**Pure Silk Dome 3/4" Tweeter** delivers smooth and accurate treble reproduction (S-693 uses PEI tweeter and mid; S-275CH is dual cone)

**2-layer Paper, DDC Cone (Dynamic Damping Coating)** reduces distortion while adding UV protection

**Double Pressed, UV Treated Foam Surround** provides accurate and distortion free audio replication

**OEM Drop in Replacement Design** makes it easy to replace factory speakers without any modifications including hard to find sizes like 6 x 8" & 4 x 10" (grills may not be necessary)

**EFF Motor Structures (Efficient Flux Field)** will ensure louder sound reproduction with lower power input

**Rigid Tooled Basket with Flat Black Finish** for a stable, high performance speaker foundation

**Proprietary SEL Tweeter Ring (Sound Expander Lens)** to focus the high frequencies where you need them the most

	Size	Power Handling (RMS/Peak)	Nominal Impedance	Frequency Response	Sensitivity (1W / 1M)	Magnet Size	Mounting Depth
S-693	6x9"	70 / 210 watts	4-ohm	45Hz-20kHz	90 dB	20 oz	3.3"
S-682*	6x8"	60 / 180 watts	4-ohm	56Hz-20kHz	88 dB	10 oz	2.35"
S-412*	4x10"	50 / 150 watts	4-ohm	58Hz-20kHz	89 dB	10 oz	2.6"
S-675*	6.75"	50 / 150 watts	4-ohm	63Hz-20kHz	87 dB	10 oz	2.15"
S-652	6.5"	50 / 150 watts	4-ohm	60Hz-20kHz	88 dB	10 oz	2.3"
S-65T	6.5" thin	45 / 135 watts	4-ohm	63Hz-20kHz	87 dB	10 oz	2.15"
S-522	5.25"	40 / 120 watts	4-ohm	65Hz-20kHz	87 dB	8 oz	2.0"
S-462*	4x6"	35 / 105 watts	4-ohm	70Hz-20kHz	86 dB	6 oz	1.95"
S-402	4"	35 / 105 watts	4-ohm	70Hz-20kHz	86 dB	6 oz	1.8"
S-352*	3.5"	30 / 90 watts	4-ohm	80Hz-20kHz	85 dB	4 oz	1.5"
S-275CH*	2.75"	30 / 60 watts	4-ohm	115Hz-19kHz	90 dB	3 oz	1.5"



## L SERIES COMPONENT SYSTEM

**Aluminum Dome 1" Tweeter** for sharp, crisp treble reproduction

**Z-2 Titanium Zirconium Cone** for the best distortion free sound reproduction

**Butyl Rubber Surround** for years of accuracy and quality sound

**3-Ohm System Impedance** for more efficient use of amplifier power

**Heavy Motor Structure** with protective boot for high power handling

**Rigid Tooled Basket With Black Powder Coat** for precise motor alignment

**Deluxe External 12dB 2-way Crossover Network** for smooth transitions between the woofer and tweeter



L-60Cx



## S SERIES COMPONENT SYSTEM

**Pure Silk Dome 1" Tweeter** for accurate and smooth high frequency sound reproduction.

**Black 2-layer Paper, DDC Cone** Dynamic Damping Coating (DDC) for deeper, distortion free bass.

**Double Pressed Treated Foam Surround** UV protected for long life

**Shallow Mounting Depth** fits almost any vehicle.

**EFF Motor Structures (Efficient Flux Field)** will ensure louder sound reproduction with lower power input

**Rigid Tooled Basket With Flat Black Finish** for a stable, high performance speaker foundation

**Computer Aided External 12dB 2-way Crossover Network** for smooth transitions between the woofer and tweeter



S-6C



S-5C

	Size	Power Handling (RMS/Peak)	Nominal Impedance	Frequency Response	Sensitivity (1W / 1M)	Magnet Size	Mounting Depth
L-60Cx	6.5"	75 / 225 watts	3-ohm	59Hz-20kHz	90 dB	12 oz	2.4"
S-6C	6.5"	70 / 210 watts	4-ohm	60Hz-20kHz	90 dB	10 oz	2.3"
S-5C	5.25"	50 / 150 watts	4-ohm	65Hz-20kHz	89 dB	10 oz	2.0"



# L series

## TWEETERS

### 1" ALUMINUM DOME TWEETER

for sharp wide spectrum treble reproduction

**In-line 12 dB Acoustic Crossover** for accurate frequency response and outstanding reproduction.

**Flush/Angle/Surface Mounts** provide pinpoint imaging and installation versatility

**Ferrofluid® Cooling** for higher power handling

**Neodymium Magnet** provide small powerful motors for these tweeters to reproduce high output and accurate sound reproduction



L-1A

	Material	Size	Power Handling (RMS/Peak)	Nominal Impedance	Frequency Response	Sensitivity (1W / 1M)	Mounting Depth
L-1A	Aluminum	1"	50 / 100 watts	4-ohm	3.5k-21kHz	92 dB	0.75"
S-1S	Pure Silk	1"	50 / 100 watts	4-ohm	3k-20kHz	91 dB	0.75"
S-1ZT	Zirconium	1"	100 / 200 watts	4-8 ohm	5k-25kHz	102 dB	0.75"

# S series

## TWEETERS

### 1" PURE SILK DOME TWEETER

for smooth sound without listener fatigue

**In-line 12 dB Acoustic Crossover** for accurate frequency response and outstanding reproduction

**Flush/Angle/Surface Mounts** provide pinpoint imaging and installation versatility

**Ferrofluid® Cooling** for higher power handling

**Neodymium Magnet** provides small powerful motors for these tweeters to reproduce high output and accurate sound reproduction



S-1S

### 1" ZIRCONIUM TWEETER WITH COMPOSITE SURROUND

Low Distortion, Light Weight & Highly Reliable. The integral phase plug and ceramic Element provide high power handling without the need for a crossover.

**Surface Mount** Provides simple installation.



S-1ZT

# L series

ACCESSORIES

## L-3H

### 3" CAST ALUMINUM HORN TWEETER

Compression Horn Tweeter provides outstanding imaging and smooth high frequency reproduction.

**Bullet Design with Diamond Cut Accents**  
Precise frequency separation.

4-ohm  
100 RMS / 200 Max  
18 oz Ferrite Magnet  
105 dB 1W/1M  
6dB Crossover Included



## L-65-90

### 6.5" MID RANGE DRIVER

**Hybrid Carbon/Paper with DDC Finish**  
(Dynamic Damping Coating)  
for reduced distortion

**Phase Plug**  
for better dispersion and smoother sound

**Treated Folded Cloth Surround**  
for greater efficiency and higher frequency response

**Rigid Tooled Basket**  
with black powder coated finish

4-ohm  
75 RMS/150 Max  
28 oz Ferrite Magnet  
1.0" KSV Voice Coil  
90dB 1W/1M



## AEQ-7XOA

### 4 BAND PARAMETRIC EQUALIZER / PRE-AMP

- PWM Power Supply
- Switchable main/aux input
- Front/Rear/Sub Output
- Master Volume Control
- Selectable 120/80Hz Subwoofer Crossover
- Subwoofer Volume Control
- Fader Control
- mp3 Compatible (rear RCA input)



## ACP-2.4, ACP-1.2

### 2.4 FARAD AND 1.2 FARAD DIGITAL CAPACITOR

- Red 4 Digit LED Voltage Meter
- Supercharged Electrolyte Fluid
- Polycarbonate Display Cover
- Auto Turn On
- Mounting Clamps
- Platinum Power Connectors
- 20 VDC
- Attractive Blister Card

## ATK-4, ATK-8

### 4 GAUGE & 8GA AMPLIFIER WIRING KITS

- 17' High Quality RCA Cables
- 17' OFC Power and 3' Ground Wire
- Blue Turn On Wire
- 20' Speaker Wire
- Gold Terminal Connectors
- AGU Fuse Holder
- 6' Black Split Loom Tubing
- Cable Ties, Grommets, more . . .
- Attractive Blister Card





## POWERBASS SUBWOOFER COMPARISON CHART

Subwoofers	Size	Power Handling Watts RMS/Peak	Nominal Impedance	Voice Coil	Frequency Response
3XL-152D	15"	1000/2000	Dual 2 ohm	3"	24Hz-400Hz
3XL-151D	15"	1000/2000	Dual 1 ohm	3"	24Hz-400Hz
2XL-154D	15"	500/1000	Dual 4 ohm	2.5"	23Hz-400Hz
XL-154D	15"	500/1000	Dual 4 ohm	2.5"	26Hz-400Hz
L-154D	15"	500/1000	Dual 4 ohm	2.5"	24Hz-400Hz
M-154D	15"	425/850	Dual 4 ohm	2.5"	23Hz-400Hz
M-154	15"	425/850	Single 4 ohm	2.5"	23Hz-400Hz
3XL-122D	12"	850/1700	Dual 2 ohm	3"	31Hz-450Hz
3XL-121D	12"	850/1700	Dual 1 ohm	3"	31Hz-450Hz
2XL-124D	12"	450/800	Dual 4 ohm	2.5"	26Hz-450Hz
XL-124D	12"	400/800	Dual 4 ohm	2"	26Hz-450Hz
L-124D	12"	400/800	Dual 4 ohm	2"	26Hz-450Hz
M-124D	12"	375/750	Dual 4 ohm	2"	29Hz-450Hz
M-124	12"	375/750	Single 4 ohm	2"	29Hz-450Hz
S-124Dx	12"	300/600	Dual 4 ohm	2"	29-Hz-450Hz
S-124x	12"	300/600	Dual 4 ohm	2"	29Hz-450Hz
2XL-104D	10"	400/800	Dual 4 ohm	2.5"	31Hz-500Hz
XL-104D	10"	350/700	Dual 4 ohm	2"	35Hz-500Hz
L-104D	10"	350/700	Dual 4 ohm	2"	32Hz-500Hz
M-104D	10"	325/650	Dual 4 ohm	2"	29Hz-500Hz
M-104	10"	325/650	Single 4 ohm	2"	29Hz-500Hz
S-104Dx	10"	275/550	Dual 4 ohm	2"	33Hz-500Hz
S-104x	10"	275/550	Single 4 ohm	2"	33Hz-500Hz
XL-104M	10"	250/500	Single 4 ohm	2"	31Hz-500Hz
XL-84	8"	200/400	Single 4 ohm	2"	35Hz-500Hz

<b>Sensitivity (1W/1M)</b>	<b>Motor Structure</b>	<b>Mounting Depth</b>
93dB	562 oz	9.2"
93dB	562 oz	9.2"
93dB	280 oz	8.6"
94dB	250 oz	6.6"
94dB	232 oz	6.4"
94dB	220 oz	6.4"
94dB	220 oz	6.4"
91dB	552 oz	7.75"
91dB	552 oz	7.75"
92dB	280 oz	6.75"
92dB	186 oz	5.5"
92dB	180 oz	5.4"
92dB	164 oz	5.4"
92dB	164 oz	5.4"
91dB	142 oz	5.5"
91dB	142 oz	5.5"
91dB	254 oz	6.5"
91dB	164 oz	5.25"
91dB	164 oz	5.2"
91dB	158 oz	5.2"
91dB	158 oz	5.2"
90dB	116 oz	5.2"
90dB	116 oz	5.2"
85dB	120 oz	4.95"
89dB	116 oz	4.4"

For additional specifications and box enclosure recommendations please visit our website.

## POWERBASS AMPLIFIER COMPARISON CHART

<b>Mono Block Amplifiers</b>	<b>Channels</b>	<b>Output Power @ 1 Ohm</b>	<b>Output Power @ 2 Ohm</b>	<b>Output Power @ 4 Ohm</b>
XTA 5000D	1	5000	2500	1250
XTA 4000D	1	4000	2000	1000
XTA 2250D	1	2250	1125	565
ASA 1500.1Dx	1	1500	750	375
XAX 1200D	1	1200	700	600
ASA 1000.1Dx	1	1000	500	250
ATM 900.1D	1	900	550	325
XAX 500D	1	500	400	250
ASA 600.1Dx	1	600	300	150
ATM 600.1D	1	600	400	250
ASA 600.1x	1	600	300	150
ASA 400.1x	1	400	200	100

<b>Two Channel Amplifiers</b>		<b>Output Power @ 4 Ohm Stereo</b>	<b>Output Power @ 4 Ohm Bridged</b>
ASA 800.2x	2	2x200	1x800
ASA 600.2x	2	2x150	1x600
XAX 2160FD	2	2x100	1x320
ASA 400.2x	2	2x100	1x400
ATM 440.2	2	2x100	1x400
ASA 300.2x	2	2x75	1x300
ATM 330.2	2	2x75	1x300
ASA 200.2x	2	2x50	1x200

<b>Four Channel Amplifiers</b>				
XAX 4160FD	4	4x100	4x160	2x320
ASA 600.4x	4	4x100	4x200	2x400
ATM 660.4	4	4x100	4x200	2x400
XTA 4140	4	4x75	4x140	2x280
ATM 550.4	4	4x75	4x150	2x300
ASA 400.4x	4	4x50	4x100	2x200

<b>Five Channel Amplifiers</b>				
XAX 5640FD	5	4x100 + 1x320	4x160 + 1x320 (4-Ohm)	2x320 + 1x320
ASA 1000.5x	5	4x75 + 1x250	4x150 + 1x500	2x300 + 1x500
ASA 700.5x	5	4x50 + 1x200	4x100 + 1x400	2x200 + 1x400



Strapped Output Power @ 2 Ohm	Frequency Response	Total Harmonic Distortion	S/N Ratio	Input Sensitivity
10,000	18Hz-250Hz	<0.1%	>94dB	0.2V - 6.0V
8000	18Hz-250Hz	<0.1%	>94dB	0.2V - 6.0V
4500	18Hz-250Hz	<0.1%	>94dB	0.2V - 6.0V
3000	20Hz-250Hz	<0.05%	>80dB	0.5V - 4.0V
2400	10Hz-250Hz	<1.0%	>80dB	0.5V - 6.0V
2000	20Hz-250Hz	<0.05%	>80dB	0.5V - 4.0V
N/A	10Hz-250Hz	<1.0%	>80dB	0.5V - 4.0V
1000	10Hz-250Hz	<1.0%	>80dB	0.5V - 6.0V
1200	10Hz-250Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	10Hz-250Hz	<1.0%	>80dB	0.5V - 4.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	20Hz-30,000Hz	<0.02%	>90dB	0.5V - 6.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	10Hz-30,000Hz	<0.05%	>80dB	0.5V - 4.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	10Hz-30,000Hz	<0.05%	>80dB	0.5V - 4.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	20Hz-30,000Hz	<0.02%	>90dB	0.5V - 6.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	10Hz-30,000Hz	<0.05%	>80dB	0.2V - 5.0V
N/A	10Hz-30,000Hz	<0.02%	>95dB	0.2V - 6.0V
N/A	10Hz-30,000Hz	<0.05%	>80dB	0.2V - 5.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	20Hz-30,000Hz	<0.02%	>90dB	0.5V - 6.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V
N/A	20Hz-22,000Hz	<0.05%	>94dB	0.5V - 4.0V

## POWERBASS SPEAKERS COMPARISON CHART

Full Range	Size	Watts RMS	Watts Peak	Nominal Impedance	Frequency Response	Sensitivity (1W/1M)	Mounting Depth
3XL-6902x	6X9"	130	260	3-OHM	40Hz-22kHz	93 dB	3.6"
2XL-6902	6X9"	100	200	3-OHM	40Hz-21kHz	92 dB	3.3"
L-6903x	6X9"	100	300	3-OHM	43Hz-20kHz	91 dB	3.3"
S-693	6X9"	70	210	4-OHM	45Hz-20kHz	90 dB	3.3"
2XL-6802	6X8"	75	150	3-OHM	53Hz-21kHz	91 dB	2.4"
L-6802x	6X8"	70	210	3-OHM	54Hz-21kHz	89 dB	2.4"
S-682	6X8"	60	180	4-OHM	56Hz-20kHz	88 dB	2.35"
2XL-6705	6.75"	75	150	3-OHM	60Hz-21kHz	89 dB	2.15"
L-6705x	6.75"	60	180	3-OHM	62Hz-21kHz	89 dB	2.15"
S-675	6.75"	50	150	4-OHM	63Hz-20kHz	87 dB	2.15"
3XL-6502x	6.5"	90	180	3-OHM	60Hz-22kHz	90 dB	2.9"
2XL-6502	6.5"	75	150	3-OHM	59Hz-21kHz	90 dB	2.4"
L-6502x	6.5"	60	180	3-OHM	59Hz-21kHz	88 dB	2.4"
S-652	6.5"	50	150	4-OHM	60Hz-20kHz	88 dB	2.3"
2XL-650T	6.5" Thin	60	120	3-OHM	60Hz-21kHz	89 dB	2.15"
S-652T	6.5" Thin	45	135	4-OHM	63Hz-20kHz	87 dB	2.15"
2XL-5202	5.25"	60	120	3-OHM	62Hz-20kHz	89 dB	2.2"
L-5202x	5.25"	50	150	3-OHM	64Hz-21kHz	88 dB	2.2"
S-522	5.25"	40	120	4-OHM	65Hz-20kHz	87 dB	2"
2XL-4602	4X6"	50	100	3-OHM	68Hz-20kHz	88 dB	1.95"
L-4602x	4X6"	40	120	3-OHM	70Hz-21kHz	87 dB	1.95"
S-462	4X6"	35	105	4-OHM	70Hz-20kHz	86 dB	1.95"
L-4102x	4X10"	70	210	3-OHM	59Hz-21kHz	89 dB	2.65"
S-412	4X10"	50	150	4-OHM	58Hz-20kHz	89 dB	2.6"
2XL-4002	4"	50	100	3-OHM	68Hz-20kHz	88 dB	2.1"
L-4002x	4"	40	120	3-OHM	70Hz-21kHz	87 dB	2.1"
S-402	4"	35	105	4-OHM	70Hz-20kHz	86 dB	1.8"
S-352	3.5"	30	90	4-OHM	80Hz-20kHz	85 dB	1.5"
S275CH	2.75"	30	60	4-OHM	115Hz-19kHz	90 dB	1.5"

<b>Components</b>	<b>Material</b>	<b>Size</b>	<b>Watts RMS</b>	<b>Watts Peak</b>	<b>Nominal Impedance</b>	<b>Frequency Response</b>	<b>Sensitivity (1W/1M)</b>	<b>Mounting Depth</b>
3XL-60x		6.5"	90	180	3-OHM	59Hz-22kHz	91 dB	2.4"
2XL-60C		6.5"	90	180	3-OHM	59Hz-20kHz	91 dB	2.4"
2XL-60.3C		6.5"	120	240	3-OHM	59Hz-20kHz	92 dB	2.4"
L-60Cx		6.5"	75	225	3-OHM	59Hz-20kHz	90 dB	2.4"
S-6C		6.5"	70	210	4-OHM	60Hz-20kHz	90 dB	2.3"
2XL-50C		5.25"	70	140	3-OHM	62Hz-20kHz	90 dB	2.2"
S-5C		6.25"	50	150	4-OHM	65Hz-19kHz	89 dB	2.0"
<b>Tweeters</b>								
3XL-2S	Pure Silk	1.25"	60	120	4-OHM	3k-20kHz	92 dB	1"
2XL-1T	Titanium	1"	50	100	4-OHM	4.2k-25kHz	91 dB	.75"
L-3H	Cast Aluminum	3"	100	200	4-OHM	3k-20kHz	105 dB	2.35"
L-1A	Aluminum	1"	50	100	4-OHM	3.5k-21kHz	92 dB	.75"
S-1S	Pure Silk	1"	50	100	4-OHM	3k-20kHz	91 dB	.75"
S-1ZT	Zirconium	1"	100	200	4-8-OHM	5k-25kHz	102 dB	.75"
<b>Mid-Range Drivers</b>								
4XL-80-94		8"	150	300	4-OHM	90Hz - 10kHz	94 dB	3.34"
4XL-65-92		6.5"	100	200	4-OHM	100Hz - 10kHz	92 dB	2.8"
L-65-90		6.5"	75	150	4-OHM	100Hz - 10kHz	90 dB	2.5"

For additional specifications and box enclosure recommendations please visit our website.





