



**HIFONICS®**  
C A R A U D I O  
POWER FROM THE GODS

**2006**

**FOR THE MOBILE AUDIO ENTHUSIAST**



## Awesome Power From The Gods

The Hifonics 2006 mobile audio product line-up is the very definition of the highest performance mobile audio you could ever want. Conquering power and unsurpassed performance not found in other brands, Hifonics delivers more than your wildest expectations. No matter what your needs, be it sound quality or a sound quantity application Hifonics has no equal.

**Amplifiers:** Hifonics engineers have built an unbeatable dynasty by designing some of the most sought after and highest performance amplifiers in mobile audio industry. Our XX Maxximus is the world's most powerful mobile amplifier at 10-kilowatts. The Hifonics XX Goliath & Colossus II are the world record holders in many sanctioned SPL competition categories. The Brutus BXi Super D-Class™ amplifier series is the crowned king of all D-Class amplifier designs. Our new illuminated ZXi Series is born from the industry's favorite, the Zeus ZX Series. And, the new Titan TXi illuminated amplifiers will set the new standard for value in mobile amplification. Those wanting the "best" should stop here and go no further.

**Subwoofers:** The expanded Brutus BX Series Subwoofers begat a duo of new square framed bass drivers, offering Brutus brute force in 10-inch and

12-inch sizes. The new HF Subwoofer Series will take a turn holding the weight of the world on its shoulders, following the Atlas legend for performance, sound quality, and attractive design. Our illuminated Zeus ZX Series continues to define subwoofer performance affordability and the Goliath Subwoofer Series continues to dominate as the benchmark in competitive SPL sound-off events worldwide.

**Speakers:** The exciting and new Atlas and Zeus ZXi Series illuminated fullrange speaker systems will provide you with the most accurate soundstage in any vehicle. Available in both axial and component speaker sets, both Atlas and Zeus full-range speakers will provide extended frequency response in any car audio or mobile video application. Both speaker series are tastefully illuminated, producing an aesthetically pleasing effect. The awesome feeling of power one gets by owning a complete Hifonics system is only possible if you are "Powered by Maxxsonics". Illuminate and dominate in 2006.

**HIFONICS®**  
C A R A U D I O  
**POWER FROM THE GODS**

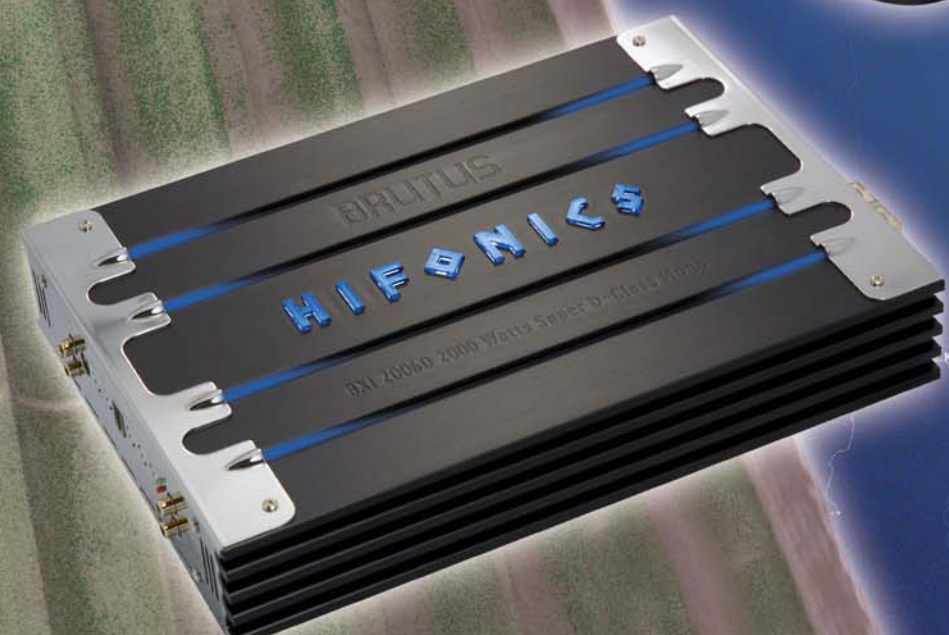


Table Of Contents:

**Amplifiers**  
Titan TXi ..... 4-5  
Zeus ZXi ..... 6-7  
Brutus BXi ..... 8-9  
Maxximus and Goliath ..... 10-11  
Generation XX ..... 12-13

**Signal Processors**  
X-Overs & EQs ..... 14  
iPod® Interfaces & Line-Drivers ..... 15

**Fullrange Speakers**  
Zeus ZXi ..... 16-17  
Atlas ..... 18-19

**Subwoofers**  
Zeus and HF ..... 20-21  
Brutus ..... 22-23  
Atlas ..... 24-25  
Goliath ..... 26-27

Specifications ..... 28-31

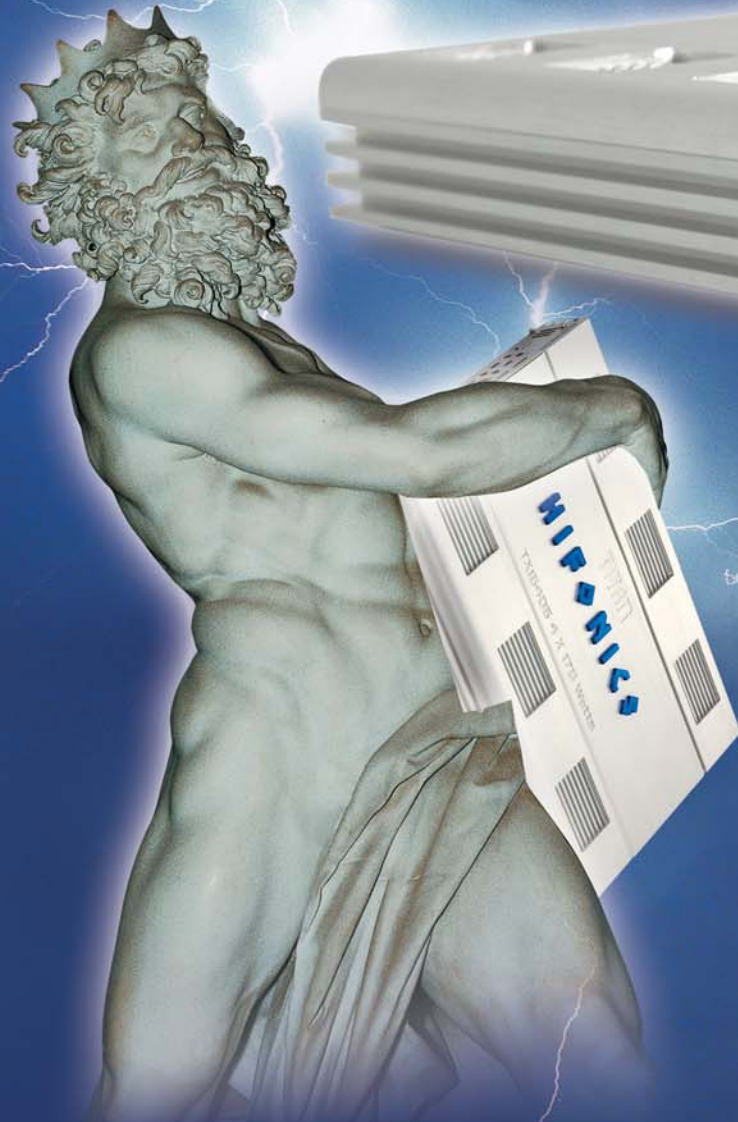


**POWERED BY  
MAXXSONICS™**

Definition: A "State-of-the-Art" design able to perform at its best, under real-life installation conditions, even when operated at the extreme. Maxxsonics and all its product brands are all about being the most "EXTREME".

[www.maxxsonics.com](http://www.maxxsonics.com)

# TITAN



## Bring ON the Titans

Hifonics hailed the godly Titans to yet again, create auto sound amplifiers offering brutal strength, with conquering performance, and so the highly affordable Titan TXi Series was born. The 2006 Titan TXi Series large & distinctive blue-illuminated Hifonics logo will light up everything and everyone around them. Every Titan TXi amplifier puts you in total control with the integrated fully adjustable Accu Cross™ electronic crossovers. Now, balancing the acoustics between the vehicles interior, your new subwoofers, component speaker and existing OEM speakers, becomes a super easy task. Adding upgrade speakers after the initial install? Titan TXi's built-in electronic crossovers make any acoustical readjustment a snap to do.

Everyone wants to be "in control" and Hifonic's Titan TXi amps come with "Power From the Gods Included" to satisfy this basic animal need. Especially so, when it comes to your 'BASS'ic needs. Should your needs demand ultimate control, then use the Titan's convenient RCA daisy chaining outputs to add-on even more TXi power.

Many newbie car audio enthusiasts purchase a single amplifier to power their total car audio system. With the Titan TXi's you can start small and expand the audio system later. Obsolescence can be frustrating, but when it comes time to upgrade your Titan TXi system to the next performance level, it is a joyful occasion. Your first Titan TXi amp can usually be incorporated as part of a much larger system without expensive rewiring. Titan TXi amplifiers easily cure this normal car audio roadblock. By choosing a Titan TXi Series amplifier in the beginning, this problem never materializes due to the Titan amplifier's unique Line-Output feature. Titan TXi's Line-Output feature permits easy daisy chaining of multiple amplifiers. With the Titan TXi Series amplifiers, growing your ultimate car audio system is never stressful.

### TITAN AMPLIFIER HIGHLIGHTS

- EXVP MOSFET Power Supply for Maximum Current
- Twin Turbo SPC Torroids Improve Bass Response
- Better Speaker Control Via Adjustable Crossovers
- 18dB Bass Equalization Eliminates Boom
- Subsonic Filters Combat Excessive Cone Excursions
- Mono Amps Offer Remote Bass Controls
- System Diagnostics LEDs indicate: Hi-Temps, DC-Offset, Short Circuits & Overloads

### TITAN TXi ILLUMINATED AMPLIFIER SERIES VALUE DESIGNS, LOADED WITH FEATURES:

- Hifonics logo with dramatic blue illumination
- Matching mono-blocks & 2/3/4-Ch amplifiers
- Sound quality Class-A/B two & four-channel models can be combined with the matching beefy A/B-Class Titan TXi amplifier designs
- 2- & 4-channel Titan TXi's are bridgeable
- Twin Turbo Torroid EXVP MOSFET power supplies
- All TXi Amps incorporate High-Speed MOSFET outputs
- 2- & 4-channel TXi Titan Amps offer;
  - Accu-Cross™ crossover controls
  - Low-Pass, Band-Pass/Full/Hi-Pass
  - Adjustable Bass Equalization (+ 18dB @ 45Hz)
  - 24dB Subsonic Filter (@ 20Hz)
- 1-Ch/Mono-Block Amps offer;
  - Accu Cross™ crossovers controls:
  - Freq. selectable 24dB Low-Pass
  - 18dB adjustable Bass Equalization (@ 45Hz)
  - 24dB Subsonic Filter (@ 20Hz)
  - 180° Phase Shift Adjustment
- Soft Start Feature Prevents Turn-on Thumps
- Optional Remote Bass Control on 2-CH & 4-Ch Titans
- RCA Line-Outs for Multiple Amplifier Systems
- 4-Gauge Power Connectors

### Illuminated Titan TXi Amplifier Series Line-up

1/2-Channel Titan TXi Amplifiers	
TXi 4006	400-Watt A/B-Class
2 x 100-Watts	RMS @ 4-Ohms
2 x 200-Watts	RMS @ 2-Ohms
1 x 400-Watts	RMS @ 4-Ohms
TXi 6006	600-Watt A/B Class
2 x 150-Watts	RMS @ 4-Ohms
2 x 300-Watts	RMS @ 2-Ohms
1 x 600-Watts	RMS @ 4-Ohms
2/3/4-Channel Titan TXi Amplifiers	
TXi 4406	440-Watt A/B-Class
4 x 55-Watts	RMS @ 4-Ohms
4 x 110-Watts	RMS @ 2-Ohms
2 x 220-Watts	RMS @ 4-Ohms
TXi 6406	680-Watt A/B-Class
4 x 85-Watts	RMS @ 4-Ohms
4 x 170-Watts	RMS @ 2-Ohms
2 x 340-Watts	RMS @ 4-Ohms
1-Channel Mono Block Titan TXi Amplifiers	
TXi 5006	500-Watt A/B-Class
1 x 300-Watts	RMS @ 4-Ohms
1 x 375-Watts	RMS @ 2-Ohms
1 x 500-Watts	RMS @ 1-Ohm
TXi 7506	750-Watt A/B-Class
1 x 325-Watts	RMS @ 4-Ohms
1 x 500-Watts	RMS @ 2-Ohms
1 x 750-Watts	RMS @ 1-Ohm

# ZEUS



### Zeus Amplifier Highlights

- Crossover And Switching For Channels 1 & 2:
  - Variable 12dB Octave Hi-Pass
  - Variable 24dB Octave Low-Pass
  - ±18dB Bass Boost at 45Hz
- Crossover and Switching For Channels 3 & 4:
  - Variable 12dB Octave Hi-Pass
  - Variable 24dB Octave Low-Pass
  - ±18dB Bass Boost at 45Hz
- Inputs and Diagnostics:
  - Variable Input Level Control
  - Power and Diagnostics LEDs
  - DC Short Circuit Protection
  - Over-Load Protection
- Connector Types:
  - Unbalanced Inputs (RCA's)
  - Full-Range Line Outputs (RCA's)
  - Molded 4-Gauge Power Inputs
  - Molded 10-Gauge Speaker Outputs
- Crossover and Switching for Mono Amplifier:
  - Variable 24dB Low-Pass
  - 24dB Fixed Subsonic Filter
  - 45Hz Bass EQ Bass Boost

## King of the Sound Quality Gods!

Hifonics new Zeus ZXi Series is an incredible mixture of sound quality, flexibility, and endless raw power. Every Zeus ZXi amplifier sports a large blue illuminated Hifonics logo and an array of blue LED light pumps streaming light down the heat sink to show, you only own the best! Today's sound systems focused on sound quality usually have a Hifonics Zeus amplifier at its nerve center. You deserve the best possible soundstage in your vehicle. Let Zeus ZXi Series deliver it to you.

The all-new Zeus ZXi amplifiers feature our latest Ultra-Fi™ MOSFET output devices. Ultra-Fi™ outputs boost the ZXi amplifier's performance by lowering THD and Noise, and increasing transient response with faster slew rates. The ZXi differential inputs combat electrical noises right at front of the amp's input RCA's. As a result, this high-speed Ultra-Fi™ circuitry delivers the cleanest and widest bandwidth possible in a mobile amplifier system. All these features combined with the ZXi Series integrated active electronic crossovers; the Accu-Cross™ make the Zeus Class A/B amplifiers the sound quality choice of audiophiles everywhere. Bass fanatics get their satisfaction from the included Zeus ZXi Remote Bass Control.

With over 22 successful years of designing hi-end A/B analog amplifier, Hifonics engineers and their time tested A/B Class amp designs assure you a sonically superior sound system. Tag-team a Zeus ZXi amp with a new Brutus BXi Super D-Class™ series mono amplifier for your subwoofer and the result is astounding ground pounding performance. Simply utilize your 2-channel Zeus ZXi Series amplifier bridged and reconfigured as a 1-Ch amp or turn a 4-channel Zeus ZXi into a multipurpose 3-channel amp to power both full-range and subwoofer speakers. Zeus ZXi Series amplifiers give nearly limitless system application possibilities. Therefore, with limitless possibilities, you can show your individuality by way of your auto sound system. You are one-of-a kind and so is your ZXi sound system.

## Zeus ZXi 8006

### Simplify & Amplify

The Hifonics Zeus ZXi 8006 3/5-channel amplifier is a one-piece installation solution to what would otherwise be a complex and space consuming car audio install. Every vital feature and all the amplification needed to power a high-end car audio installation with four upgrade speakers and a subwoofer amp system is included in the "easy-to-install" Zeus ZXi 8006 chassis. With the ZXi 8006, you will save time, money and space and in the end your sound system will put other's to ....disgrace!

The ZXi 8006 offers up to five-channels of amplification, 4-channels producing 110-Watts RMS @ 2-ohms of real power for Front Left and Right channels, Rear Left and Right channels, plus the fifth channel, a 300-Watt subwoofer channel for the most realistic bass you have ever heard. Alternatively, the ZXi 8006 has a 2 x 220-Watts + 200-Watts RMS subwoofer mode (@ 4-Ohms) perfect for pickups and two-seater applications. Should you want something that's truly exotic, but is still easy to install, try dual ZXi 8006's for a system that blasts 4 x 220-Watts for the main four-channels and dual 220-Watt subwoofer outputs....Gads Zeus!

Do you want to upgrade an OEM "In Car Entertainment" system, the ZXi 8006 offers a theater-like experience with an add-on subwoofer system. Elevate the video magic, and discover new realism in music and video, with a road theater system centered around the ZXi 8006. Hifonics ZXi 8006, with its integrated Accu-Cross control center, can easily create the ultimate listening experience with a soundstage and clarity like you have never experienced. Our Accu-Cross™ with its on-board signal processing makes it easy to dial-in exactly the sound quality and tonal balance you have always wanted!



### Illuminated Zeus ZXi Amplifier Series Line-up

#### 1/2-Channel Zeus ZXi Amplifiers

ZXi 4006	400-Watt A/B-Class
2 x 100-Watts	RMS @ 4-Ohms
2 x 200-Watts	RMS @ 2-Ohms
1 x 400-Watts	RMS @ 4-Ohms

ZXi 6006	600-Watt A/B-Class
2 x 150-Watts	RMS @ 4-Ohms
2 x 300-Watts	RMS @ 2-Ohms
1 x 600-Watts	RMS @ 4-Ohms

ZXi 1006	1000-Watt A/B-Class
2 x 250-Watts	RMS @ 4-Ohms
2 x 500-Watts	RMS @ 2-Ohms
1 x 1000-Watts	RMS @ 4-Ohms

#### 2/3/4-Channel Zeus ZXi Amplifiers

ZXi 3406	300-Watt A/B Class
4 x 35-Watts	RMS @ 4-Ohms
4 x 75-Watts	RMS @ 2-Ohms
2 x 150-Watts	RMS @ 4-Ohms

ZXi 4406	440-Watt A/B-Class
4 x 55-Watts	RMS @ 4-Ohms
4 x 110-Watts	RMS @ 2-Ohms
2 x 220-Watts	RMS @ 4-Ohms

ZXi 6406	680-Watt A/B-Class
4 x 85-Watts	RMS @ 4-Ohms
4 x 170-Watts	RMS @ 2-Ohms
2 x 340-Watts	RMS @ 4-Ohms

#### 3/5-Channel Zeus ZXi Amplifier

ZXi 8006	740-Watts A/B-Class
4 x 110-Watts + 300-Watts x 1-ch	RMS @ 2-Ohms
2 x 220-Watts + 200-Watts x 1-ch	RMS @ 4-Ohms
4 x 55-Watts + 200-Watts x 1-ch	RMS @ 4-Ohms

### Illuminated ZEUS ZXi Series

#### Just look at the features you'll utilize:

- Hifonics New Illuminated Heat-Sink
- Design With Blue LED Light Pumps
- Hifonics Blue Illuminated Logo
- Maxxsonics Illuminated "M" End Panel Logo
- Audio-Pure Ultra-Fi™ MOSFETS
- Low-Distortion Class A/B Amplifier Circuitry
- With High-Speed MOSFET Output Devices
- Fully Adjustable Accu-Cross™ Crossovers
- 18dB Variable Bass Equalization
- Dash-Mountable Bass Remote Control Included
- Fixed 24dB Subsonic Filter
- Pulse Wave Modulated MOSFET EXVP (Exponential Vari-Power Supply)
- SPC Simpatico Twin-Coil Design
- HSMD Hifonics Surface Mount Design
- Line Output for Amplifier Daisy Chaining
- Gold Oversized 4-Gauge Power Connectors
- Power From The Gods Included

# BRUTUS



## Brutus BXi Series Super D-Class™ Champions

Be a brute and dominate! The Hifonics Brutus BXi Series provides one of the most economical ear-shattering audio power plants available on today's market. If it's SPL you are looking for, then look no further. Teamed with a Zeus ZXi Series amplifier for your Front & Rear speakers, these Super D-Class™ monsters might break your neighbor's windows.

Hifonics has perfected the latest in Super D-Class digital chip technology to provide you with an extremely efficient, low temperature, high amplification system that others only dream about. For 2006, four new Brutus will provide you with enough power to totally dominate the SPL arena. The line-up includes our new Brutus BXi 606, which provides 600-Watts at 1-Ohm, next is our popular BXi 1206D for a bone-crushing 1200-Watts at 1-Ohm. Next is the BXi 1606D at 1600-Watts reference impedance 1-Ohm, and the Brutus Amp Series flagship, BXi 2006D for an awe inspiring 2000-Watts at 1-Ohm. 1-Ohm, that's no problem, but all of our Brutus amplifiers can run at 4- or 2-Ohms as well, for an even tighter bass response!

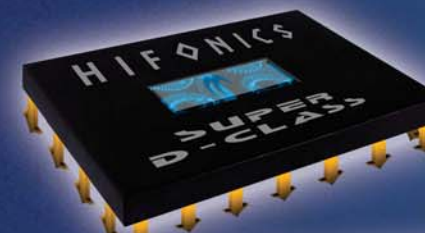
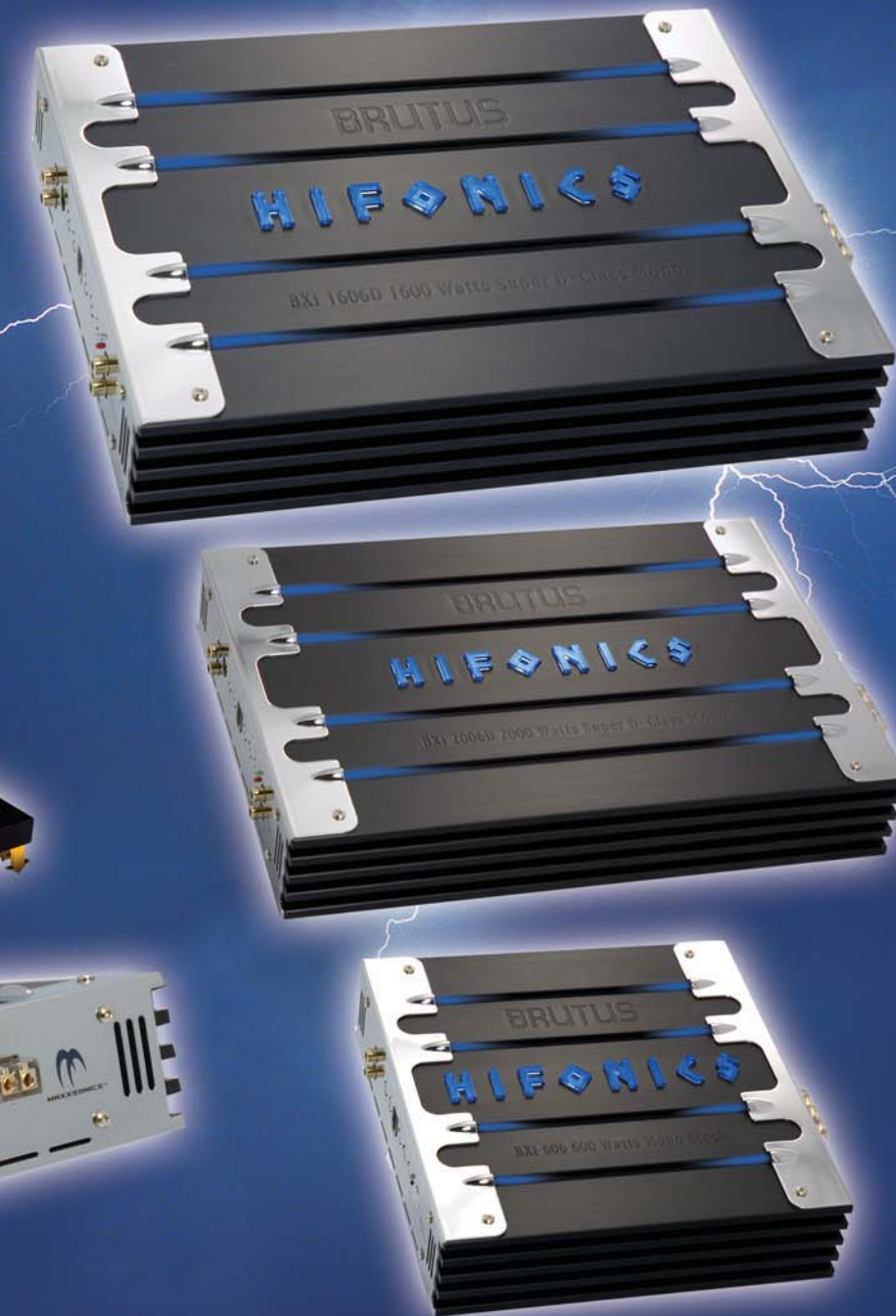
### Super D-Class™ Rules

Hifonics "Super D-Class" grade microprocessors are utilized in our high-power Brutus BXi Series. In relying on this super-speed enhanced chip set, Hifonics Super D-Class Brutus BXi amplifiers offer higher current capacities and more precise Digital to Analog conversion, resulting in very low distortion levels, even at high listening levels. Super D-Class possesses a significantly greater efficiency rating than analog and lesser D-Class designs from our competitors.

Simply put, if you are considering buying a 1000-Watt plus-sized auto amplifier, watt for watt Hifonics Brutus BXi Series produces more audio (wattage) with less impact on your cars battery & charging system than any other choice. That's "more wattage output with less battery current used," therefore more actual power for your money.

## Illuminated Brutus BXi Series Major features:

- Hifonics New Illuminated Heat-Sink Design With Blue LED Light Pumps
- Hifonics Blue Illuminated Logo
- Maxxsonics Illuminated "M" End Panel Logo
- Heavy-Duty Ultra-Fi™ MOSFETS
- Highly Efficient Super D-Class Amplifier Circuitry With Oversized MOSFET Output
- Fully Adjustable Accu-Cross™ Crossovers
- ±18dB Variable Bass Equalization @ 45Hz
- 180° Variable Phase Control (15 to 35Hz)
- Dash-Mountable Bass Remote Control Included
- Variable 24dB Subsonic Filter
- Brutus Pulse Wave Modulated MOSFET EXVP (Exponential Vari-Power Supply)
- Twin-Turbo Torroid Coil Design
- HSMD Hifonics Surface Mount Design
- Balance Line Inputs for our 18-Volt Line Drivers
- RCA Line Output for Amplifier Daisy Chaining
- Gold Oversized 2-Gauge Power Connectors
- Power From The Gods Included



### Brutus Amplifier Highlights

- BXi Accu Cross™ active electronic crossover permits full adjustment of:
  - Bass EQ, Subsonic Filter, Low-Pass & Phase Shift features.
- RCA Input level control permits matching the amplifier input level (gain) to the CD/Receivers output level. Or the Balanced Input will accept BLD Line-Driver levels from 4 to 18-volts.
- The Brutus BXi bass remote controls the subwoofer output signal from the drivers seat.
- For multi-amp daisy chaining, the RCA line inputs transfer the pure untouched audio signal directly to the line output RCA jacks, bypassing any crossover settings.

### The Hifonics Brutus Amplifier Line-up

- BXi 606 ..... 600-Watt x 1 RMS @ 1-Ohm
- BXi 1206D ..... 1200-Watt x 1 RMS @ 1-Ohm
- BXi 1606D ..... 1600-Watt x 1 RMS @ 1-Ohm
- BXi 2006D ..... 2000-Watt x 1 RMS @ 1-Ohm

## MAXXIMUS

*"The BEST Subwoofer amp EVER made! The Hifonics Maxximus is now the reference for the industry"*

Von Michael Peuckert  
AutoHiFi Magazine 7/05

The record breaking Hifonics flagship 10kW Maxximus amplifier and its powerful 5kW partner Goliath, feature Ultra D-Class™ amplifier technology at their cores, both a virtual engineering refinement of all the previous Gen XX, Brutus, and Zeus amplifier designs. These mammoth Mono-Block concept Ultra-D Class designs use our top 1% grade highest-speed microprocessors for the most precise D/A control of Hifonics top-secret conversion algorithms which control these kilowatt monster's massive current appetite. If you are not an aggressive type then a Maxximus or Goliath will be more power than you can handle. Wimps simply need not apply for membership into the Maxximus and Goliath power team. Once you have an intoxicating taste of "Power" at this level, you will never be the same. Maxximus & Goliath are kilowatt giants like no others. Only Ultra D-Class could give life to the largest family members of the Generation XX family. Hifonics unique Ultra D-Class circuitry results in better current efficiencies, much lower distortion, and less heat per watt. Both Maxximus & Goliath out-perform any conventional D-Class amplifier design. Moreover, creating mega amplifiers of this magnitude requires the best cutting-edge engineering, only the best, all-be-it expensive precision components, and absolutely no compromises in quality. Even at the 10,000-Watt power class, Hifonics Ultra D-Class™ design comes through with an unmatched power-to cost/value ratio. The smaller Generation XX, Brutus, or Zeus amplifiers satisfy most with a thirst for power and sound quality. However, when your goals require the biggest and baddest sound system, then brute SPL strength is called for and that's the XX Maxximus and XX Goliath. Send a bold message to your SPL enemies, the 5kW Goliath and the 10kW Maxximus will make sure its heard.



## GOLIATH

### Goliath and Maxximus Kilowatt Amplifiers:

- Highly Efficient Ultra D-Class™ Amplifier Topography
- Low Impedance Stability
- Mono-Block Capable for Subwoofer Operation
- Versa-Cross™ Crossover Adjusts Low-Pass, Subsonic, Phase & Q
- Link & Sync Strapping Feature (XX Goliath Only)
- Blue Illuminated Logo
- XXR-1 Remote Bass Control Included
- High-Speed Ultra-Fi™ MOSFET Output Devices
- RJ45 IN/Out Controls 2-Amps With One Remote Bass Control
- RCA Line-Outs for Multiple Amplifier Systems
- Soft Start Prevents Turn-on Thumps
- Variable - 24dB Subsonic Filter (10Hz to 50Hz)
- Adjustable Low-Pass (35Hz to 250Hz)
- Variable Bass Boost (+ 18dB)
- Bass EQ Variable 30Hz to 60Hz
- Q-Control (Wide to Narrow Bandwidth)
- Phase Shift Control Adjusts, 0 to 180
- Balanced Line Input (Use optional MMBLD-1 Line Driver)
- Protection System Diagnostics
- Overload Protection
- Thermal Over-Temp Protection
- Speaker Short Circuit Protection
- Amplifier Endcaps Included
- Kilowatt Power From The Gods Included

### XX Maxximus and XX Goliath Highlights

#### XX-Maxximus

- 2/1-Ohm Speaker Impedance Capable with Quad Turbo Power Supply Torroids in a PWM MOSFET Power Supply Design.
- Rock Stable Ultra-Fi™ MOSFET Outputs
- Excessive Cone Excursions Controlled by Subsonic Filter
- Wide Voltage Range Variable
- Input Level Controls
- Adjustable Crossovers For Better Subwoofer Control
- High Damping Factor For Precise Transient Response
- Phase Shift Correction For Asymmetrical Speaker to Ear Distances
- Balanced Line Input, for Optional MMBLD-1 Balanced Line Driver

#### XX-Goliath

- 1-Ohm Speaker Impedance Capable with Twin Turbo Power Supply Torroids in a PWM MOSFET Power Supply Design.
- Rock Stable Ultra-Fi™ MOSFET Outputs, Strappable Link & Sync Feature
- Dash Mountable Remote Bass Control Included
- Bass Equalization Eliminates Annoying Neighbors
- Soft Start Feature Prevents Turn-on Thumps
- Super Efficient Heat-Sink Design
- Amplifier Line-Out Feature Makes System Expansion Easy
- Massive Gold Power Connectors



### Ultra D-Class™ Benefits:

- Fidelity Improvement Over D-Class
- Low Impedance Load Stability
- Reduced Power Supply Size
- Reduced Heat Management
- Hi-End A/B Class Audio Quality
- High Damping Factor Improves Transient Response

### Generation XX Flagship Kilowatt Amplifier Line-up

- XX Goliath Mono-Block Ultra D-Class Design  
.....5-kiloWatts/1 x 5000 -Watts RMS @ 1-Ohm
- XX Maxximus Dual Mono-Block Ultra D-Class Design  
...10-kilo Watts /1 x 10,000-Watts RMS @ 2-Ohm  
or  
2 x 5,000-Watts RMS @ 1-Ohm

## GENERATION XX



### Shaking Off The Competition

...with the legendary Generation XX amplifier series from Hifonics. Hifonics has painstakingly developed Generation XX grade auto audio amplifiers unequalled in all the industry. Unequaled in performance, unequalled in sheer power and unequalled in value, the new Generation XX Amplifier Series without a doubt, is your best power plant choice for 2006! The original Hifonics amplifier engineer designed this awesome Generation XX Series. This taskmaster mixed decades of successful ground shaking amplifier design with today's highest quality components and hi-tech manufacturing capabilities, resulted in the world record breaking Hifonics Generation XX products that are creating today's audio legends. The Hifonics Generation XX legend continues. Get your "Power From The Gods" today.

### Generation XX Amplifier Highlights

- The variable subsonic's filter is operational between 10 Hz and 150 Hz on all Competition XX Super-A/B Class amplifiers and between 10 Hz and 50 Hz on all Competition XX Ultra D-Class amplifiers.
- "Freq" adjusts the Hi-Pass and Low-Pass/Band-Pass feature. A Bandpass is created using both Low-Pass and Subsonics settings. Use of "X1" or "X10" switch shifts the frequency by a factor of 10, e.g., 40Hz shifts to 400Hz. This switch is also used to adjust LP or BP.
- "Phase Shift" corrects phasing errors such as those caused by off-center positions relative to a speaker location. Phase corrections acoustically focus your ears to be the audio center when not centered to the actual speaker. Properly used, Phase Shift eliminates phase distortions cause by mismatched speaker combinations and/or those distortions inflicted by the vehicles acoustical abnormalities and compromised speaker locations. The end result, time aligned "coherent sound" and no listening fatigue.
- Select Gen XX amplifiers can be Link & Sync'ed together so the audio-chs can be controlled from one set of crossovers in the master/slave mode. This feature allows bridging two amplifiers to one subwoofer.
- Bass Boost controls the amount of bass boost to +18 dB, at the desired center frequency. Q-Control sets the width of the frequency range affected by the Boost setting.
- Balanced Line Input, improves the source S/N Ratio which is often degraded by long cable runs. (requires optional Balanced Line Driver device) This option steps-up the audio input voltage from a 0.4 volts level to a max of 18-volts. It's like adding nitrous to your car.

### What's In There?

Inside you'll find massive heavy-duty output devices and oversized MOSFET's in the PWM switching power supplies. Mega power transformers, audiophile grade components, military grade printed circuit boards complete the Generation XX Series. Two-decades of engineering experience gives you this award winning amplifier series.

### Ultra D-Class™

Ultra D-Class™ technology is at the very nerve center of our flagship Generation XX Series. Our "Ultra-D" design uses high-speed micro-processors with proprietary D/A conversion algorithms to efficiently control the Generation XX Series current consumption. At very high listening levels, Hifonics Ultra D-Class results in lower distortion, higher current efficiencies, less heat, conventional D-Class amplifier designs. Ampere for Ampere, Watt for Watt, compared to the competition, Ultra D-Class amplifiers are easier on your car's charging system. Hifonics Ultra D-Class technology results in a power-to-cost / value ratio unmatched by the competition. Ultra D-Class gave life to a family of kilowatt power plants. Thor, Cyclops Goliath and Maximus family are the largest Ultra D-Class family members.

### Super A/B Class™

What about Sound Quality? With Hifonics Generation XX amplifier's, you get both! Super A/B Class™ designs are based on top 1% tolerance grade components. Super A/B Class insures the Chaos, Jupiter, and Olympus amplifiers fill your needs for high-power and ultra-sound. Since your end goal requires both sound quality and brute strength, complete your SQL system with our expanded family of kilowatt monster Ultra D-Class amps. Zeus, Hercules, Thor, Colossus II, Cyclops, Goliath, and the 10kW Maximus will deliver sonic accuracy too. Power And Sound Quality Hifonics Generation XX amps separate you from those who don't have the "Power From The Gods". After winning several hundred awards (1st 2nd & 3rd place wins) and establishing (8) eight new World Records, during the 2005 SPL/SQ season, Hifonics Generation XX amp have proven beyond any doubt, they deliver big results.



### Record Breaking 2006 Hifonics Generation XX Amplifier Line-up:

XX Jupiter 2/3/4-Channel	.....2 x 350-Watts RMS @ 2-Ohm or Super A/B-Class Amplifier Design	4 x 140-Watts RMS @ 1-Ohm
XX Olympus 2/3/4-Channel	.....2 x 500-Watts RMS @ 2-Ohm or Super A/B-Class Amplifier Design	4 x 250-Watts RMS @ 1-Ohm
XX Chaos 1/2-Channel	.....2 x 500-Watts RMS @ 1-Ohm or Super A/B-Class Amplifier Design	1-kiloWatt/1 x 1000-Watts RMS 2-Ohm
XX Zeus Link & Sync Mono-Block Ultra D-Class Amplifier Design	.....1.6-kiloWatts/1 x 1600-Watts RMS @ 1-Ohm	
XX Hercules Link & Sync Mono-Block Ultra D-Class Amplifier Design	.....2-kiloWatts/1 x 2000-Watts RMS @ 1-Ohm	
XX Thor Link & Sync Mono-Block Ultra D-Class Amplifier Design	.....3-kiloWatts/1 x 3000 -Watts RMS @ 1-Ohm	
XX Colossus II Dual Mono-Block Ultra D-Class Amplifier Design	.....2 x 1600-Watts RMS @ 1-Ohm or 3.2-kiloWatts/1 x 3200-Watts RMS @ 2-Ohm	
XX Cyclops Link & Sync Mono-Block Ultra D-Class Amplifier Design	.....4.0-kiloWatts/1 x 4000-Watts RMS @ 1-Ohm	
XX Goliath Link & Sync Mono-Block Ultra D-Class Amplifier Design	.....5-kiloWatts/1 x 5000 -Watts RMS @ 1-Ohm	
XX Maximus Dual Mono-Block Ultra D-Class Amplifier Design	.....2 x 5000-Watts RMS @ 1-Ohm or 10-kiloWatts/1 x 10,000-Watts RMS @ 2-Ohm	



### Key HFEQ Features:

- 1/2 DIN, ISO Mount Chassis
- 4-Band Equalizer With +18dB Variable 9-Volt RMS Line-Driver Preamp Output
- Master Volume & Subwoofer Volume Control
- Front to Rear Dual-Amp Fader
- 2-Audio Inputs with Level Matching
- Selectable 12dB High-Pass F/ R Crossover
- Selectable 12dB Low-Pass Sub Output
- Selectable for Mono or Stereo Subwoofer Setups
- EQ with 12dB of Boost / Cut:
  - 45Hz Sub-Bass Control
  - 120Hz Mid-Bass Control
  - 2.2KHz Mid-Range Control
  - 12KHz Treble Control



### Hifonics HFEQ Use To Connect An iPod®

The HFEQ is great active EQ product which permits your favorite iPod® type device to play thru your amplified car audio system. Featuring an audio input selector for switching between a head-unit and another sound source, a matching headphone plug to stereo male RCA adapter is all that's needed to plug in your MP3 players headphone jack. The EQ's independent input-level controls for both the car radio and any device like an MP3 player insure identical volume levels when switching between either audio input. A handy Master Volume gives you total control of the SPL-level of both sound sources.

### A 9-Volt Line-Driver

The Hifonics HFEQ is a half-DIN, ISO mounting 4-band, 9-Volt line-driver preamp EQ with front/rear active crossover features and extensive subwoofer crossover controls. The HFEQ's "Line Driver" circuit delivers a whooping 9-Volts of preamp level signal through the RCA's. Any consumer wishing to get the most out of their add-on amps and subwoofer system needs the HFEQ. The HFEQ's small 1/2 DIN size permits many mounting locations. All non-in-dash installs will find the Hifonics HFEQ's small-size chassis handy to install. Especially into center / overhead consoles, glove boxes or in any 1/2 DIN pocket opening.

### HFXR 2/3-Way Active Crossover With Included Remote Bass Control - Key Features:

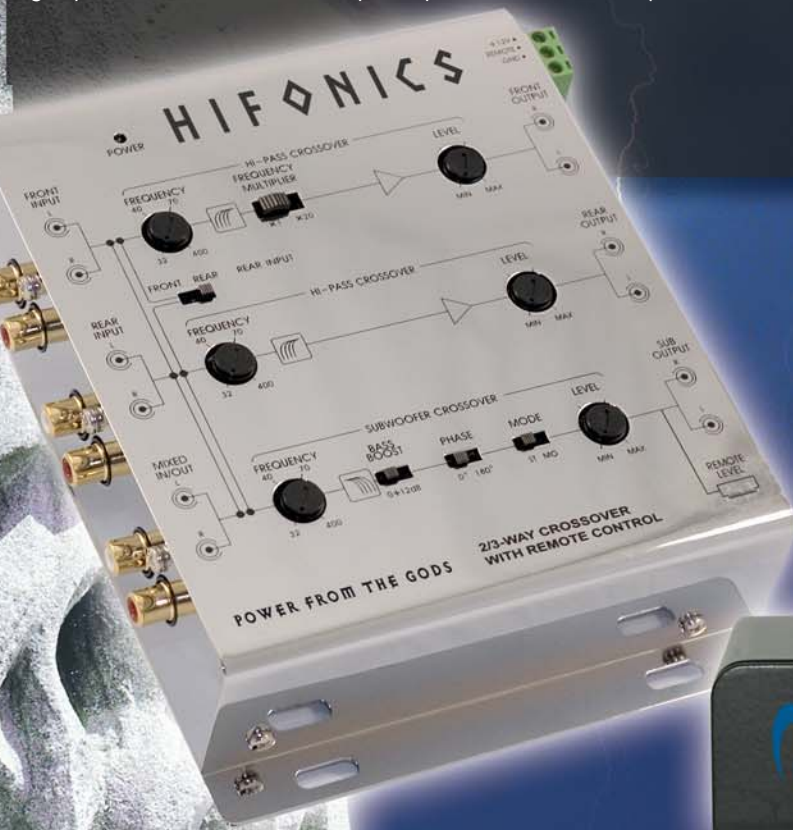
- Select 2-Ch or 4-Ch\* Inputs With Input Switch
- Direct Sub-In for Receiver's with Sub-outs
- 0 - 12dB Bass Boost At Bass Remote
- Maximum Pre-Amp Output: 8.5-Volts RMS
- 45Hz Bass Boost With Quasi-Parametric EQ
- Selectable for Mono Or Stereo Woofers
- 180-Degree Phase-Shift Switch
- 2nd Order Butterworth Front & Rear Ch Hi-Pass
- Level Adjustments for Front, Rear & Sub Ch's
- 2-Ch Full-Range RCA Preamp Cascade Output

### ... Hifonics HFXR

The Hifonics HFXR is a 2-Ch or 4-Ch 2-Way or 3-Way 12/18dB asymmetrical active crossover. Use this electronic crossover, whenever there are multiple amplifiers in a car audio system. Unlike amps built-in active crossover circuits, the HFXR offers independent selection of front-channel versus rear-channel cross-over frequencies. The HFXR is cascade-able, meaning one HFXR can feed another HFXR crossover with its 8.5-Volt line driver circuit.

### Subwoofer Nirvana

Hifonics's HFXR active crossover, unlike the competition, includes a dash mountable Remote Bass Control, so the car driver can crank the Bass. This remote bass control feature sets the HFXR apart from the competition. Bass Boost is at the driver's fingertips. An HFXR can drive multiple amps to max with its hefty 8.5 Vrms of output.



### MM-1 Car Audio iPod®/MP3 Interface

- Compatible With All iPods, Satellite Radios, and MP3 Sources
- Noise Canceling Differential Input Design
- Illuminated Analog-Style Master Volume Control
- Installable Indash, Underdash or Inside a Glovebox
- Accepts a 3.5mm Headphone Jack or 4-Ch RCA Inputs
- Uncompromising Wide-Frequency Response, 10Hz to 37kHz
- Variable Input Sensitivity Accepts Wide Range of Sound Sources
- Low Distortion, Low Noise Design; THD & Noise < 0.03%, S/N > 98dB



### MM-1 "Direct to Amp" Car Audio iPod® and MP3 Interface

The two-piece MM-1 is the music enthusiast's "Direct to Amp" solution that creates an uncompromising, hi-fidelity MP3 device input in any amplified car audio system. Our MM-1 eliminates sonic degradation common other MP3 player Bluetooth™ interfaces and FM modulators. This hi-fidelity 4-channel interface module allows any iPod, MP3 player, satellite radio, or other sound source device that has a headphone jack to be played directly through the car stereo system. Nothing is attached or backpacked onto the MP3 player itself and the MM-1 provides automatic audio switching when MP3 device is turned-on.



### MMBLD-1

### 18-Volt Balanced Line Driver & iPod®/MP3 Interface Adds

- 18-Volts of Balanced Audio Output Via Mini-DIN Output
- Unbalanced 4-Ch RCA Pass-Thru Outputs

### MMBLD-1 18-Volt Line Driver & Car Audio iPod® and MP3 Interface

The MMBLD-1 is also an iPod®/MP3 input interface, but it adds an 18-Volt Balanced Line Driver added for multi-amp'ed Hifonics audio systems. Our MMBLD-1 has all the MM-1 features PLUS is able to put any Hifonics' amp equipped with a Balance Line Input, into virtual overdrive with its 18-Volts of audio signal.





# ZEUS



## Zeus Illuminated Speaker Systems

The all-powerful Hifonics Gods combined their collective powers to create the new Zeus ZXi Low-Profile MaxxFitt™ Speaker Series. Zeus ZXi's cure the limited-depth speaker-fit problems found in recent OEM applications. Designed to fit 90% of the modern-day vehicle speaker openings, the ZXi MaxxFitt™ Series is the solution and cure for "what speaker fits a shallow depth openings but still sounds incredible".

Designed for superior sound-stage, Zeus ZXi Series uses the latest in Titanium Ceramic Cone materials and engineering to provide a state of the art speaker design. At the center of our Titanium Ceramic composite cone design is an ultra-light, rigid bass driver that provides an extremely smooth response.

Coupled with our latest Neodymium Silk Dome tweeter (NSD) design is our new 360° radial air-cooled motor structure and magnet assembly to really handle extreme power. The Hifonics Neodymium Silk Dome tweeter design provides extremely smooth frequency response up to 25,000 Hz that is perfect for the exacting audio enthusiast or the mobile "video-phile".

Completing the Zeus ZXi Series is our newest creation, "Sound Light™" speaker illumination technology. ZXi Low-Profile speakers consist of two-way, three-way, and multi-element component speakers. Zeus ZXi brings sound quality and "precise reproduction of music into today's restrictive mobile environment.

### Zeus ZXi Speaker Highlights

- Weather-Resistant Butyl Rubber Surrounds
- Swiveling 12mm Tweeters With Illuminated Fascia
- Component ZXi's Offer:
  - Tweeter Level Selections
  - 0 dB / - 3 dB / + 3 dB
- Ultra-Rigid Titanium Ceramic Composite Cones
- Low Profile MaxxFitt™ Chromed Speaker Frames
- Neodymium Powered 12mm Tweeter Dome
- ZXi Component Tweeter Offers Mounting Flexibility

## Zeus Series

Just look at the features you'll utilize:

- Low-Profile Anti-Resonant MaxxFitt™ Titanium Chromed Speaker Frames
- ZXi's MaxxFitt™ Covers 90% Of OEM Speaker Apps.
- Multi-Mount Component Tweeters; Flush Mt, Surface Mt, And Angle Mt
- Sound Light™ Speaker Illumination Technology
- 12mm Neodymium Silk Dome Tweeters
- Ceramic Titanium Composite Cones
- Weather-Resistant Butyl Rubber Surrounds
- 360° Radial Cooled Motor Structure
- Swiveling Tweeter Elements



## The Hifonics Zeus Speaker Line-up

Speaker Model	Size	Type	Mounting Depth	Maxx Power	Suggested Nominal Power Range	Frequency Range
ZXi 52CX	5.25"	2-Way	.224"	.325W	.2 to 65W	.61Hz-23kHz
ZXi 63	6.5"	3-Way	.244"	.375W	.2 to 75W	.56Hz-24kHz
ZXi 683	6x8"/5x7"	3-Way	.232"	.425W	.2 to 85W	.43Hz-24kHz
ZXi 693	6x9"	3-Way	.351"	.550W	.2 to 110W	.43Hz-24kHz
ZXi 5.2C	5.25"	Comp Set	.224"	.450W	.2 to 90W	.61Hz-25kHz
ZXi 6.5C	6.5"	Comp Set	.244"	.500W	.2 to 100W	.56Hz-25kHz

Illuminated tweeter element.



# ATLAS



## Atlas Series Illuminated Speaker Systems

The ultimate Hifonics speaker system awaits you in the form of the new Atlas Series 2-Way, 3-Way and component-style speaker systems. Atlas brings a new world of sonic experience to audio and video-philes alike in our newest Atlas full-range speaker products. Designed for the automotive environment, Atlas illuminated speaker systems extend an up-front soundstage with a very wide sweet spot for clear & concise imaging. Hifonics engineers incorporated the latest and best materials in the Atlas acoustical design.

Hifonics latest development, a coherent time-aligned mid-bass driver features a new Glass Carbon Fiber cone design complete with a nickel-plated

phase-plug to deliver, deep rich & smooth response. In addition, our engineering utilized the new UPAC ultra-port air-cooled motor structure to keep things cool during extreme power levels.

The Hifonics NCD Neo-Ceramic Dome tweeter design provides sonic excellence by using an extremely transparent tweeter array for smooth frequency response up to 25,000Hz, for perfect sonic imaging.

Completing the Atlas Speaker Series is our newest creation, light. Hifonics is pleased to introduce our "Sound Light" speaker illumination technology. Sound Light™ utilizes high-energy LED technology to provide a unique and stunning speaker "experience" in your vehicle.



### Atlas Speaker Highlights

- NCD Neo-Ceramic Dome Tweeters & woofer cone with Sound Light Cone Illumination
- Moisture-Resistant Rubber Surrounds
- Black Chrome Speaker Basket Assembly
- Glass Carbon-Fiber Cone Design

## Atlas Series with Sound Light™ Just look at these great features:

- Sound Light Speaker Illumination
- NCD Neo Ceramic Dome tweeter design
- Glass Carbon Fiber Cone
- Moisture Resistant Rubber Surround
- Push and Insert Speaker Terminals
- UPAC Ultra-Port Air-Cooled Motor
- Black Chrome Stamped Steel Basket
- Black Chrome T-Yoke
- Swiveling Tweeter Elements



### The Hifonics Atlas Speaker Line-up

Model	Size	Frequency Range	Type	Wattage RMS/Maxx
AS62CXi	6.5"	.55Hz-20kHz	2-WAY COAX	100/200
AS693i	.6x9"	.42Hz-20kHz	3-WAY	125/250
AS5.25Ci	5.25"	.60Hz-20kHz	COMP SET	100/200
AS6.5Ci	6.5"	.55Hz-20kHz	COMP SET	125/250

Swiveling Neo-Ceramic Dome Tweeter for clear and precise sound image with front-row midrange presence. NCD swiveling tweeter includes surface or flush mounting hardware.



Sound Light™ Speaker illumination technology

Nickel-plated Phase-Plug for coherent Mid-Bass time-alignment & improved transient response with minimal distortion. Phase Plugs are found in expensive home audio speaker systems and Hifonics engineers designed them to dramatically enhance the soundstage in your vehicle.

Glass Carbon Fiber Cone for an "impact filled" mid-bass & lower mid-range. The cone is very rigid yet extremely musical.

Atlas Component Sets feature tweeter level controls with selections for 0dB, +3dB & -3dB



Moisture-Resistant Rubber Surround

Push and Insert Speaker Terminals

UPAC Motor Structure

Rubber Magnet Boot



## ZELUS



### Zeus Illuminated Subwoofers

Zeus illuminated DVC Subwoofer Series are available in 12-inch "Round" and "Square" profiles, both with Low-Q, Theile/Small parameters for your choice of small sealed or vented enclosure designs. Either subwoofer shape offers dustcap illumination and a broad range of compatible amplifier power classes.

### Hifonics HF Subwoofers

HF Dual VC & Single Voice Coil subs are available in 10 and 12-inch round profiles also with Low-Q, Theile/Small parameters perfect for small sealed or vented enclosure designs. The single 4-Ohm voice-coil HF version is used most often in subwoofer enclosures with two or more drivers, enabling low-imped-

ance amp loading, without giving up vital cone area. More cone area translates to more SPL.

### Both offer "The Power of 1"

Reliability. The answer is; Zeus & HF's integrated spider assembly and tinsel lead-in wires. The Hifonics one-piece spider-tinsel lead design eliminates one of the most common modes of subwoofer failure... the dreaded...tinsel lead breakage. AND when the "heat is on" the Hifonics heat-dissipating aluminum CCAW voice-coils disperse the left-over thermal energy into the magnet & frame assembly. You need Hifonics' integrated tinsel leads, if you want sonic reliability.



### Zeus & HF Subwoofer Highlights

- Robust 2-inch 4-layer aluminum dual voice-coils to beat the heat
- Dual Voice-Coil Assemblies offers multiple speaker wiring configurations.
- Big bass requires a tough cones, such as the high-strength Titanium & Pulp composite cones or HF's Silver Laminated Cones.
- Optional Zeus Grilles, as shown, feature an anti-resonant gasket

### Zeus Series Features

- 700-Watts Maximum Power Handling
- 350-Watts RMS Power Handling
- Titanium & Pulp Composite Cones
- Illuminated Acrylic Zeus Dustcaps
- Dual 2-Ohm Voice-Coils (DVC / 2+2 Ohms)

### For 4-Ohm and 1-Ohm Applications

- Black Chrome Speaker Frames
- Rubber Magnet Boots

### In-Common HF & Zeus Subwoofer Features:

- 40oz. Single-Stack Magnet Assemblies
- 2-inch 4-Layer Aluminum Voice-Coils
- One-Piece Spider-Tinsel Lead Designs
- 1.1" Wide Reinforced Rubber Surrounds
- Nickel-Plated Back-Plate & Push & Insert Terminals
- Vented And Sealed Enclosure Compatibility

### HF Series Features:

- 700-Watts Maximum Power Handling
- 350-Watts RMS Power Handling
- Dual 4-Ohm Voice-Coils For 2-Ohm and 8-Ohm Applications
- Silver Laminated Cones
- Polypropylene Dustcap Chrome Speaker Frames



### Zeus and HF Subwoofer T & S Parameters

Model	ZS12	ZS12SQ	HF10D4	HF12D4	HF1254
Watts Peak Power	.700	.700	.700	.700	.700
Watts RMS Power	.350	.350	.350	.350	.350
DVC Imp./Ohms	.2 + 2	.2 + 2	.4 + 4	.4 + 4	.4
Fs - Hertz	.35.62	.39.51	.32.8	.30.57	.29.67
Re - Ohms x 2	.1.8	.1.8	.3.6	.3.6	.3.6 x 1
Qts -	.0.45	.0.57	.0.548	.0.527	.0.548
Vas - Liters	.39.5	.48.5	.43.6	.121.7	.137.4
Vas - Cu Ft.	.1.39	.1.72	.1.54	.4.3	.4.85
Xmax - mm	.10	.10	.11	.11	.11
Xmax - Inches	.0.39	.0.39	.0.43	.0.43	.0.43
SPL - dB @2.83V	.96.29	.97.32	.89	.89.5	.90.2

### Suggested Zeus & HF Subwoofer Enclosure Size

#### Sealed Enclosure Designs:

Suggested Internal	ZS12	ZS12SQ	HF10D4	HF12D4	HF1254
Box Vol. Cu Ft.	.1	.05	.05	.05	.05
Box Poly Fill	Loose	Loose	Loose	Loose	Loose

#### Vented Enclosure Designs:

Suggested Internal	ZS12	ZS12SQ	HF10D4	HF12D4	HF1254
Box Vol.	1-Cu Ft	1.5-Cu Ft	1-Cu Ft	1.5-Cu Ft	1.5-Cu Ft
Port I.D. x Length [inches]	3.0 x 10	3.5 x 10	3 x 10.5	3 x 8.9	3 x 8.9
Enclosure Resonance	39.89 Hz	37.22 Hz	.38 Hz	.34 Hz	.34 Hz
Port Resonance	41.61 Hz	41.74 Hz	.40 Hz	.36 Hz	.36 Hz

1 - Cu. Ft. = 1728 cubic inches of internal airspace

# BRUTUS



### An Even Brighter Idea

A heavenly voice was heard to say "Let there be light" and then there was. But this time, the wish was bestowed on the new Brutus Subwoofer Series. The Power from the Gods granted the new Hifonics Brutus Subwoofer Series with a uniquely illuminated subwoofer cone assembly. The sight of these illuminated Brutus subwoofers cones is out of this world! What an illuminating concept!

### Brutally Serious Bass

The new Brutus illuminated Subwoofer Series have the competition throwing in the towel. Only subwoofers with major bass muscle can earn the Brutus family name. This new Brutus subwoofer family is available in 10-inch, 12-inch, and 15-inch speaker frame sizes, all with Low-Q, Theile/Small parameters insuring small sealed or small vented enclosure designs, which ever your installation calls for. Regardless of subwoofer enclosure type, the new illuminated Brutus subwoofers offer sonic impact and a look second to no one. Both a beauty and a beast, Hifonics new Brutus subwoofer family will satisfy your need to pound the street.

### Brutus Amplifier Highlights

- Brutus Subwoofers feature brut 2-1/2 inch 4-layer aluminum dual voice-coils to battle the heat. Unique front gasket conceals mounting screws.
- Brutus Dual Voice-Coil Assembly offers multiple impedance choices to load-down your Hifonics amp and make it perform maxxsperfect!
- Square Brutus subwoofers offer the equivalent performance of much larger round bass driver
- Illuminated cone assembly insures you will be seen as well as heard. Big bass shines on with the Brutus street tough speaker cone with integrated backlighting. Brutus subwoofers high-strength woven glass fiber layered composite cones command more bass.

### Dependable Brut Power

Reliability you can depend on, that's what you get with a Brutus subwoofer featuring an integrated spider and tinsel lead-in wire assembly. The Brutus Subwoofer family incorporates the Hifonics one-piece spider-tinsel lead design to battle the most common cause of subwoofer death,... the "#@\$%\*ζ" tinsel lead breakage. In addition, when the "heat's on" the Brutus heat-dissipating aluminum voice-coils quickly disperse damaging thermal energy into the speaker frame & magnet core. If you really need respect, then these one-piece Nomex spider assemblies with the Hifonics integrated tinsel lead design will prevent you from being let down by one of our competitor subwoofers.

### Square Off With The Competition

Hifonics proudly introduces new square Brutus subwoofers matching the current Brutus Series of illuminated round bass drivers. This new option is available from your favorite Hifonics retailer. Dare to be square with the new square Brutus dual voice-coil subwoofers.



### Brutus Subwoofer Series Dual Voice-Coil Features:

- 500-Watts RMS/1000-Watt Maxx/All 10-inch Brutus Subwoofers
- 600-Watts RMS/1200-Watt Maxx/All 12-inch Brutus Subwoofers
- 700-Watts RMS/1400-Watt Maxx/15-inch Brutus Subwoofer
- Illuminated Brutus Speaker Cone
- DVC 2-Ohm or DVC 4-Ohm Voice-Coils (2+2 Ohm or 4+4 Ohm)
- Use DVC 2-Ohm For 4-Ohm and 1-Ohm Applications
- Use DVC 4-Ohm For 8-Ohm and 2-Ohm Applications
- Huge 100z. Double-Stack Magnet Assembly
- 2.5-inch 4-Layer Hi-Temp Aluminum Voice-Coils
- Woven Glass-Fiber Layered Composite Cone
- Integrated One-Piece Spider-Tinsel Lead Design
- White Chrome Steel Speaker Frame with Rubber Front Gasket
- 1" Tall NBR Reinforced Rubber Surround
- Rubber Magnet Boot
- Ported Nickel Plated Back-Plate for Heat Dispersion
- Nickel Plated Push & Insert Terminals
- Nomex Spider-Assembly
- For Vented And Sealed Enclosure Designs

### The Hifonics Brutus Illuminated DVC Subwoofer Line-up:

**BX10D2 10-Inch 2-Ohm DVC Driver**  
Theile & Small Parameters:  
WRMS = 500-Watts  
 $\Omega = 2\text{-Ohm} + 2\text{-Ohm}$   
Fs = 33.12 Hz  
Qts = 0.41  
Vas = 18.81 Liters  
Xmax = 15mm  
SPL = 92.88dB @ 2.83v

**BX12D4 12-Inch 4-Ohm DVC Driver**  
Theile & Small Parameters:  
WRMS = 600-Watts  
 $\Omega = 4\text{-Ohm} + 4\text{-Ohm}$   
Fs = 31.77 Hz  
Qts = 0.488  
Vas = 47.39 Liters  
Xmax = 15mm  
SPL = 93.39dB @ 2.83v

**BX12D2 12-Inch 2-Ohm DVC Driver**  
Theile & Small Parameters:  
WRMS = 600-Watts  
 $\Omega = 2\text{-Ohm} + 2\text{-Ohm}$   
Fs = 31.05 Hz  
Qts = 0.433  
Vas = 47.39 Liters  
Xmax = 15mm  
SPL = 95.77dB @ 2.83v

**BX15D2 15-Inch 2-Ohm DVC Driver**  
Theile & Small Parameters:  
WRMS = 700-Watts  
 $\Omega = 2\text{-Ohm} + 2\text{-Ohm}$   
Fs = 27.57 Hz  
Qts = 0.479  
Vas = 122.6 Liters  
Xmax = 15mm  
SPL = 97.84dB @ 2.83v

**BX10D4 10-Inch 4-Ohm DVC Driver**  
Theile & Small Parameters:  
WRMS = 500-Watts  
 $\Omega = 4\text{-Ohm} + 4\text{-Ohm}$   
Fs = 25.06 Hz  
Qts = 0.442  
Vas = 51 Liters  
Xmax = 15mm  
SPL = 91.37dB @ 2.83v

**BX10SQD4 10-Inch 4-Ohm DVC Driver**  
Theile & Small Parameters:  
WRMS = 500-Watts  
 $\Omega = 4\text{-Ohm} + 4\text{-Ohm}$   
Fs = 25.06 Hz  
Qts = 0.442  
Vas = 51 Liters  
Xmax = 15mm  
SPL = 91.37dB @ 2.83v

**BX12SQD4 12-Inch 4-Ohm DVC Driver**  
Theile & Small Parameters:  
WRMS = 600-Watts  
 $\Omega = 4\text{-Ohm} + 4\text{-Ohm}$   
Fs = 23.43 Hz  
Qts = 0.488  
Vas = 116 Liters  
Xmax = 15mm  
SPL = 93.77dB @ 2.83v



# ATLAS

## Light One Up

Hifonics new Atlas Subwoofer Series is a real knockout both visually and performance-wise. The new Atlas subwoofer line-up boasts an illuminated logo on the new design dustcaps. Atlas subwoofers offer an extra-wide, thermally stable, rubber surround, woven fiber-glass & carbon woofer cone, large push & insert terminals for secure wire connections and the square versions use 180-ounce motors comprised of triple-stacked magnets. The Atlas 1.4" wide rubber surround provides incredible excursion for the carbon and fiber-glass cone providing extra-deep bass for extreme ground pounding in either sealed or ported boxes. Your choice of a dual 2-Ohm or a Dual 4-Ohm voice-coil model provides multiple wiring possibilities for today's hi-performance amplifiers.

## Dare to be Square

The 12" square Atlas subwoofer has a twin brother in a dual 4-Ohm voice-coil version. In addition, Hifonics Atlas Series Subwoofers feature chromed cast-aluminum baskets, conex spiders with integrated tinsel leads, and 4-layer black anodized aluminum voice-coil formers. A chromed back-plate is engraved with the legendary Atlas name.

## Atlas Subwoofer Series Dual Voice-Coil Features:

- AS12 1200-Watts Maximum Power Handling
- AS12SQ & AS12SQD4 1800-Watts Maximum Power Handling
- Dual 2-Ohm or Dual 4-Ohm Voice-Coils (2+2  $\Omega$  or 4+4  $\Omega$ )
- Use Dual 2-Ohm For 4-Ohm and 1-Ohm Applications
- Use Dual 4-Ohm For 8-Ohm and 2-Ohm Applications
- 12" Round Drivers/140oz. Six-Pack Magnet Assembly
- 12" Round Drivers/2.5" 4-Layer Voice-Coil
- 12" Square Driver/180oz. Eight-Pack Magnet Assembly
- 12" Square Driver/3" 4-Layer Voice-Coil
- Woven Carbon & Fiber Glass Composite Cone
- Illuminated Acrylic Atlas Dustcap
- Integrated One-Piece Spider-Tinsel Lead Design
- Chrome Cast-Aluminum Speaker Frame
- 1.4" Wide Reinforced Rubber Surround
- Rubber Magnet Boot
- 360° Vented Voice-Coil Assembly
- Ported Nickel Plated Back-Plate for Heat Dispersion
- Nickel Plated Push & Insert Terminals
- Normex Spider-Assembly
- For Vented And Sealed Enclosure Designs

## The Hifonics Atlas DVC Subwoofer Line-up

### AS12 12-Inch 2-Ohm DVC Driver

Theile & Small Parameters:  
 WRMS = 600-Watts  
 $\Omega$  = 2-Ohm + 2-Ohm  
 $F_s$  = 36.79 Hz  
 $Q_{ts}$  = 0.40  
 $V_{as}$  = 20.5 Liters  
 $X_{max}$  = 15mm  
 SPL = 95.07dB @ 2.83v

### AS12SQ 12-Inch Square 2-Ohm DVC Driver

Theile & Small Parameters:  
 WRMS = 900-Watts  
 $\Omega$  = 2-Ohm + 2-Ohm  
 $F_s$  = 37.32 Hz  
 $Q_{ts}$  = 0.38  
 $V_{as}$  = 21.5 Liters  
 $X_{max}$  = 22mm  
 SPL = 95.65dB @ 2.83v

### AS12SQD4 12-Inch Square 4-Ohm DVC Driver

Theile & Small Parameters:  
 WRMS = 900-Watts  
 $\Omega$  = 4-Ohm + 4-Ohm  
 $F_s$  = 37.85 Hz  
 $Q_{ts}$  = 0.443  
 $V_{as}$  = 21.5 Liters  
 $X_{max}$  = 22mm  
 SPL = 92.68dB @ 2.83v



Woven Carbon and Fiberglass Cone



## Atlas Subwoofer Highlights

- Atlas Subwoofers feature robust 2-1/2 inch or 3 inch, 4-layer aluminum dual voice-coils to beat the heat when you are beating the street with your new Hifonics sound system.
- Big amp power for big bass requires a tough speaker cone, as in Atlas subwoofers high-strength woven fiberglass and carbon cones. More Bass and More Power, Atlas subwoofers drive it home.
- Atlas Dual Voice-Coil Assembly offers 1-Ohm, 2-Ohm, 4-Ohm & 8-Ohm speaker wiring configurations. Load-down your Hifonics amp and make it perform maxxsonically!

# GOLIATH



## Are you ready to rumble?

Years in development, the challenge has been to design a subwoofer series that is capable of handling the power that we provide from our Generation XX line of amplifiers. The result is Goliath.

Goliath represents workmanship and engineering prowess our customers expect from Hifonics. The new Goliath subwoofer series is a pure SPL monster. Available in a 12" or 15" design, the Goliath series handle 1600 Watts RMS, 2400 Watts RMS, and 3200 Watts RMS.

Each model features their own unique design specifically engineered to withstand the brutal output of our Generation XX Ultra D-Class™ amplifiers. Hifonics engineers recommends using two or more Goliath SPL Subwoofers when using our megawatt, XX Cyclops, XX Goliath or our incredible 10kW XX-Maximus amplifiers.

## Goliath Subwoofer Highlights

- Goliath SPL Subwoofers feature massive 3 or 4-inch Bi-Flair-wound black aluminum voice-coils to withstand the incredible temperatures generated by kilowatt category Gen XX Ultra D-Class Amplifiers.
- A Quad Voice-Coil Assembly offers five-plus speaker wiring configurations. Load-down your amp and make it perform to its maxx.
- Kilowatt amp power requires a speaker cone tough as nails, as in our high-strength composite Silver & Fiber Glass Cones. Massive Low-Frequency and Kilowatt Power, the winning combination.
- The Goliath SPL Subwoofer's chromed and polished cast-aluminum frames hold all this power together while making it look as good as it performs.

## In-Common Goliath Subwoofer Features:

- Integrated One-Piece Spider-Tinsel Lead Design
- Chrome Cast-Aluminum Speaker Frame
- 1.4" Extra-Wide Polyester Surround
- 360° Vented Voice-Coil Assembly
- Back-Plate Bumped for Long Excursions
- Nickel Plated Push & Insert Terminals
- Metal Dust Caps Prevent Hi-SPL Cave-In
- Dual-Layer Conex Spider-Assembly

## The Hifonics Goliath Subwoofer Line-up

### XX1612 12-Inch SPL Driver

Theile & Small Parameters:

Fs = 50Hz  
Qts = 0.401  
Vas = 17.6 Liters  
Xmax = 20mm  
SPL = 98.06 dB @ 2.83v

### 1600-Series Dual Voice-Coil Features:

- 1600-Watts RMS Power Handling
- 3200-Watts Maximum Power Handling
- Dual 2-Ohm Voice-Coils (DVC/2+2 Ω)
- For 4-Ohm and 1-Ohm DVC Applications
- 10lb./160oz. Dual-Stack Magnet Assembly
- 3-inch Bi-Flair Black Aluminum Voice-Coils
- Composite Fiber Glass Cone

### XX2412 12-Inch SPL Driver

Theile & Small Parameters:

Fs = 45.13Hz  
Qts = 0.337  
Vas = 15 Liters  
Xmax = 25mm  
SPL = 100.05 dB @ 2.83v

### 2400-Series Quad Voice-Coil Features:

- 2400-Watts RMS Power Handling
- 4800-Watts Maximum Power Handling
- Quad 2-Ohm Voice-Coils (QVC/2+2+2+2 Ω)
- For 1/2-Ohm, 1-Ohm, 2-Ohm, 4-Ohm, and 8-Ohm Applications
- 11-1/4lb./180oz. Double-Stack Magnet Assembly
- 3-inch Bi-Flair Black Aluminum Voice-Coils
- High-Strength Composite Silver & Fiber Glass Cone

### XX3212 12-Inch SPL Driver

Theile & Small Parameters:

Fs = 39.63Hz  
Qts = 0.37  
Vas = 17 Liters  
Xmax = 25mm  
SPL = 98.29 dB @ 2.83v

### 3200-Series Quad Voice-Coil Features:

- 3200-Watts RMS Power Handling
- 6400-Watts Maximum Power Handling
- Quad 2-Ohm Voice-Coils (QVC/2+2+2+2 Ω)
- For 1/2-Ohm, 1-Ohm, 2-Ohm, 4-Ohm, and 8-Ohm Applications
- 18-3/4lb./300oz. Triple-Stack Magnet Assembly
- 4-inch Bi-Flair Black Aluminum Voice-Coils
- High-Strength Composite Silver & Fiber Glass Cone

### XX1615 15-Inch SPL

Theile & Small Parameters:

Fs = 40Hz  
Qts = 0.444  
Vas = 46.59 Liters  
Xmax = 20mm  
SPL = 98.89dB @ 2.83v

### XX2415 15-Inch SPL Driver

Theile & Small Parameters:

Fs = 37.35Hz  
Qts = 0.394  
Vas = 42.5 Liters  
Xmax = 25mm  
SPL = 101.6 dB @ 2.83v

### XX3215 15-Inch SPL Driver

Theile & Small Parameters:

Fs = 31.5Hz  
Qts = 0.38  
Vas = 57.8 Liters  
Xmax = 25mm  
SPL = 100.5 dB @ 2.83v



## Get the Connection?



Goliath's one-piece spider-tinsel-lead assembly design eliminates one of the most common modes of subwoofer failure, tinsel lead breakage!

The Goliath Woofers are designed for pure SPL. Coupled with an XX Colossus II this system will provide a minimum output of 2 x 1600-Watts RMS into 1-Ohm or 1 x 3200 Watts RMS at 2 Ohms.

**You'll be Bumpin'!**



# SPECIFICATIONS

## Titan TXi Amplifiers

Specifications Subject to Change Without Notice

Titan TXi Features	2-Channel Amplifiers		4-Channel Amplifiers		Mono-Block Amplifiers	
	TXi 4006	TXi 6006	TXi 4406	TXi 6406	TXi 5006	TXi 7506
<b>RMS Output Power Rating - # of Ch's x Power</b>	A/B-Class	A/B-Class	A/B-Class	A/B-Class	A/B-Class	A/B-Class
4-Ohm Power Rating	2 x 100	2 x 150	4 x 55	4 x 85	1 x 300	1 x 325
2-Ohm Power Rating	2 x 200	2 x 300	4 x 110	4 x 170	1 x 375	1 x 500
1-Ohm Power Rating	No	No	No	No	1 x 500	1 x 750
Mono Bridge 4-Ohm Power Rating	1 x 400	1 x 600	2 x 220	2 x 340	N/A	N/A
Possible System Configurations	1 / 2-Channel	1 / 2-Channel	2 / 3 / 4-Channel	2 / 3 / 4-Channel	1-Channel	1-Channel
<b>Miscellaneous Specifications</b>						
Turn-On Delay / Mute	Yes	Yes	Yes	Yes	Yes	Yes
Input Selector Switch / Channels Controlled	No	No	2 / 4	2 / 4	N/A	N/A
Frequency Response -3dB	10Hz - 30kHz	10Hz - 30kHz	10Hz - 30kHz	10Hz - 30kHz	10Hz - 400Hz	10Hz - 500Hz
Damping Factor	200	200	200	200	>250	>250
Signal to Noise Ratio	95dB	95dB	95dB	95dB	95dB	95dB
THD + Noise	< 0.05%	< 0.05%	< 0.03%	< 0.03%	< 0.01%	< 0.01%
Channel Separation at 1kHz	70dB	70dB	70dB	70dB	N/A	N/A
Variable Input Gain Control	0.2V-6V	0.2V-6V	0.2V-6V	0.2V-6V	0.2V-6V	0.2-6V
Input Impedance (RCA / Unbalanced)	47k-Ohm	47k-Ohm	47k-Ohm	47k-Ohm	47k-Ohm	47k-Ohm
Power and Diagnostic Indicator LED	Yes	Yes	Yes	Yes	Yes	Yes
Protection; DC, Short Circuit, Overload	Yes	Yes	Yes	Yes	Yes	Yes
Power Supply - All MOSFET	PWM	PWM	PWM	PWM	PWM	PWM
Power Output Circuit Type	MOSFET	MOSFET	MOSFET	MOSFET	MOSFET	MOSFET
<b>Crossover And Switching Ch 1 / 2</b>						
Crossover Selections	LP/BP / FULL / HP	LP/BP / FULL / HP	LP/BP / FULL / HP	LP/BP / FULL / HP		
Vari Hi-Pass 12dB Octave	10Hz - 1.2kHz	10Hz - 1.2kHz	10Hz - 1.2kHz	10Hz - 1.2kHz		
Vari Lo-Pass 24dB Octave	50Hz - 150Hz	50Hz - 150Hz	50Hz - 150Hz	50Hz - 150Hz		
Bass Boost at 45Hz	0 - +18dB	0 - +18dB	0 - +18dB	0 - +18dB		
Crossover And Switching; Ch 3 / 4	No	No	LP/BP / FULL / HP	LP/BP / FULL / HP		
Vari Hi-Pass	No	No	10Hz - 1.2kHz	10Hz - 1.2kHz		
Vari Lo-Pass ( Mono 24dB )	No	No	50Hz - 150Hz	50Hz - 150Hz		
Bass Boost at 45Hz	No	No	0 - +18dB	0 - +18dB		
<b>Crossover And Switching For Mono Amplifier</b>						
Vari Lo-Pass ( Mono 24dB )					40Hz - 150Hz	35Hz - 250Hz
Line Out	Full-Range	Full-Range	Full-Range	Full-Range	Full-Range	Full-Range
<b>Connector Types</b>						
RCA Inputs	Yes	Yes	Yes	Yes	Yes	Yes
Remote Bass Control Module ( Via RJ11 Jack )	Yes	Yes	Yes ( 3+4-CH )	Yes ( 3+4-CH )	Yes	Yes
<b>Mechanical</b>						
Illumination	Badge & Heat Sink	Badge & Heat Sink	Badge & Heat Sink	Badge & Heat Sink	Badge & Heat Sink	Badge & Heat Sink
Corrosion Resistant Power Terminal	4-GA	4-GA	4-GA	4-GA	4-GA	4-GA
Corrosion Resistant Speaker Terminal	12-GA	12-GA	12-GA	12-GA	12-GA	12-GA
Dimensions L x W x H ( Inches )	11 x 2 x 10	15.74 x 2 x 10	14.39 x 2 x 10	16.14 x 2 x 10	16.53 x 2 x 10	18.50 x 2 x 10

## Brutus BXi Amplifiers

Specifications Subject to Change Without Notice

Brutus BXi Features	1-Channel Mono Block Amplifiers			
	BXi 606	BXi 1206D	BXi 1606D	BXi 2006D
<b>RMS Output Power Rating</b>				
Output Power Rating - # of Ch's x Power	Mono-Block	Mono-Block	Mono-Block	Mono-Block
Power Amp Category/Type	A/B-Class	Super D-Class	Super D-Class	Super D-Class
4-Ohm Power Rating	1x150	1x450	1x550	1x650
2-Ohm Power Rating	1x300	1x900	1x1100	1x1300
1-Ohm Power Rating	1x600	1x2000	1x1600	1x2000
<b>Miscellaneous Specifications</b>				
Turn-On Delay / Mute	Yes	Yes	Yes	Yes
Frequency Response -3dB	20 - 250Hz	20 - 250Hz	20 - 250Hz	2 - 250Hz
Damping Factor	> 250	> 250	> 250	> 400
Signal to Noise Ratio	> 95dB	> 95dB	> 95dB	> 95dB
THD + Noise	< 0.01%	< 0.01%	< 0.01%	< 0.01%
Vari Input Level, (RCA/Unbalanced)	0.2V - 9V	0.2V - 9V	0.2V - 9V	0.2V - 9V
Vari Input Level, (Mini DIN Balanced)	0.4V - 18V	0.4V - 18V	0.4V - 18V	0.4V - 18V
Input Impedance (RCA Unbalanced)	47k-Ohm	47k-Ohm	47k-Ohm	47k-Ohm
Input Impedance, (Mini DIN Balanced)	20k-Ohm	20k-Ohm	20k-Ohm	20k-Ohm
Power and Diagnostics LEDs	Yes	Yes	Yes	Yes
Protection; DC, Short Circuit, Overload	Yes	Yes	Yes	Yes
Power Supply - All MOSFET	Full PWM	Full PWM	Full PWM	Full PWM
Power Output Circuit Type	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET
<b>Phase Shift Controller</b>				
Variable Phase Shift	Yes	Yes	Yes	Yes
Phase Change in Degrees	0 - +180	0 - +180	0 - +180	0 - +180
<b>Crossover and Switching for Mono Amplifier</b>				
Vari Lo-Pass 24dB Octave	35Hz - 250Hz	35Hz - 250Hz	35Hz - 250Hz	35Hz - 250Hz
Vari Subsonic Filter	15Hz - 35Hz	15Hz - 35Hz	15Hz - 35Hz	15Hz - 35Hz
Bass EQ	0 - +18dB	0 - +18dB	0 - +18dB	0 - +18dB
<b>Connector Types</b>				
Balanced Inputs (Mini DIN Socket)	Yes	Yes	Yes	Yes
RCA Inputs	Yes	Yes	Yes	Yes
RCA Line Outputs	Yes	Yes	Yes	Yes
Remote Bass Module Included (Via RJ11 Jack)	Yes	Yes	Yes	Yes
<b>Mechanical</b>				
Gold Plated Power Terminal Blocks	4-GA	4-GA	4-GA	2-GA
Gold Plated Speaker Terminal Blocks	12-GA	12-GA	12-GA	8-GA
Dimensions - LxHxW (Inches)	9.84 x 2.63 x 10.39	11.41 x 2.63 x 10.39	13.77 x 2.63 x 10.39	16.50 x 2.63 x 10.39

## Zeus ZXi Amplifiers

Specifications Subject to Change Without Notice

Zeus ZXi Features	2-Channel Amplifiers			4-Channel Amplifiers			5-Ch Amplifier
	ZXi 4006	ZXi 6006	ZXi 1006	ZXi 3406	ZXi 4406	ZXi 6406	ZXi 8006
<b>RMS Output Power Rating - # of Ch's x Power</b>							
Power Amp Category/Type	A/B Design	A/B Design	A/B Design	A/B Design	A/B Design	A/B Design	A/B/D-Design
4-Ohm Power Rating	2 x 100	2 x 150	2 x 250	4 x 35	4 x 55	4 x 85	4 x 55 + 1 x 200
2-Ohm Power Rating	2 x 200	2 x 300	2 x 500	4 x 75	4 x 110	4 x 170	4 x 110 + 1 x 300
Mono Bridged 4-Ohm Power Rating	1 x 400	1 x 600	1 x 1000	2 x 150	2 x 220	2 x 340	2 x 220 + 1 x 200
<b>Miscellaneous Specifications</b>							
Turn-On Delay / Mute	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frequency Response -3dB	10Hz-30kHz	10Hz-30kHz	10Hz-30kHz	10Hz-30kHz	10Hz-30kHz	10Hz-30kHz	10Hz-30kHz
Damping Factor	> 200	> 200	> 200	> 200	> 200	> 200	> 200
Signal to Noise Ratio	> 95dB	> 95dB	> 95dB	> 95dB	> 95dB	> 95dB	> 95dB
THD + Noise	< 0.05%	< 0.05%	< 0.05%	< 0.03%	< 0.03%	< 0.03%	< 0.05%
Channel Separation at 1kHz	> 70dB	> 70dB	> 70dB	> 70dB	> 70dB	> 70dB	> 70dB
Vari Input Level	0.2V-6V	0.2V-6V	0.2V-6V	0.2V-4V	0.2V-4V	0.2V-4V	0.2V-6V
Input Impedance	47k-Ohm	47k-Ohm	47k-Ohm	47k-Ohm	47k-Ohm	47k-Ohm	47k-Ohm
Power and Diagnostics LEDs	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Protection; DC, Short-Circuit, Overload	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Supply-All MOSFET	Full PWM	Full PWM	Full PWM	Full PWM	Full PWM	Full PWM	Full PWM
Power Output Circuit Type	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET
Crossover and Switching; Ch 1 / 2	LP-BP/Full/HP	LP-BP/Full/HP	LP-BP/Full/HP	LP-BP/Full/HP	LP-BP/Full/HP	LP-BP/Full/HP	Full/HP
Vari Hi-Pass 12dB Octave	10Hz-1.2kHz	10Hz-1.2kHz	10Hz-1.2kHz	10Hz-1.2kHz	10Hz-1.2kHz	10Hz-1.2kHz	50Hz-4kHz
Vari Mono Lo-Pass 24dB Octave	50Hz-150Hz	50Hz-150Hz	50Hz-150Hz	50Hz-150Hz	50Hz-150Hz	50Hz-150Hz	N/A
Bass Boost at 45Hz	0 - +18dB	0 - +18dB	0 - +18dB	0 - +18dB	0 - +18dB	0 - +18dB	N/A
<b>Crossover and Switching; Ch 3 / 4</b>							
Vari Hi-Pass 12dB Octave	N/A	N/A	N/A	10Hz-1.2kHz	10Hz-1.2kHz	10Hz-1.2kHz	10Hz-1.2kHz
Vari Mono Lo-Pass 24dB Octave	N/A	N/A	N/A	50Hz-150Hz	50Hz-150Hz	50Hz-150Hz	50Hz-4kHz
Bass Boost at 45Hz	N/A	N/A	N/A	0 - +18dB	0 - +18dB	0 - +18dB	0 - +18dB
<b>Crossover and Switching for Mono Amplifier</b>							
Vari Lo-Pass 24dB Octave	N/A	N/A	N/A	N/A	N/A	N/A	50Hz-400Hz
Bass EQ	N/A	N/A	N/A	N/A	N/A	N/A	0 - +18dB
<b>Connector Types</b>							
RCA Inputs	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RCA Line Outputs	Full-Range	Full-Range	Full-Range	Full-Range	Full-Range	Full-Range	No
Remote Bass Module Included (Via RJ11 Jack)	Yes	Yes	Yes	Yes	Yes	Yes	No
<b>Mechanical</b>							
Power Terminal Blocks	4-GA	4-GA	4-GA	4-GA	4-GA	4-GA	4-GA
Speaker Terminal Blocks	12-GA	12-GA	12-GA	12-GA	12-GA	12-GA	12-GA
Dimensions-L x H x W (Inches)	9.84 x 2.5 x 10.3	14.96 x 2.5 x 10.3	18.11 x 2.5 x 10.3	12.59 x 2.5 x 10.3	13.77 x 2.5 x 10.3	14.96 x 2.5 x 10.3	16.06 x 2.5 x 10.3



# SPECIFICATIONS

Specifications Subject to Change Without Notice

## Generation XX Amplifiers

Features	XX Chaos	XX Jupiter	XX Olympus	XX Zeus	XX Hercules	XX Thor	XX Colossus II	XX Cyclops	XX Goliath	XX Maximus
Power Amp Category / Type	Super A/B	Super A/B	Super A/B	Ultra D-Class	Ultra D-Class	Ultra D-Class	Ultra D-Class	Ultra D-Class	Ultra D-Class	Ultra D-Class
4-Ohm Power Rating	2 x 250	4 x 75	4 x 125	1 x 550	1x650	1x1200	2 x 600	1x1500	1x1800	2x2000
2-Ohm Power Rating	2x400	4x110	4x200	1x1100	1x1300	1x2300	2x1100	1x2900	1x3200	2x3500
1-Ohm Power Rating	2x500	4x140	4x250	1x1600 / 1.6kW	1x2000 / 2kW	1x3000 / 3kW	2x1600 / 1.6kW	1x4000 / 4kW	1x5000 / 5kW	2x5000
Mono Bridged 4-Ohm Power Rating	1x800	2x250	2x400				1x2000 / 2kW			1x7000 / 7kW
Mono Bridged 2-Ohm Power Rating	1x1000 / 1kW	2x350	2x500				1x3200 / 3.2kW			1x10000 / 10kW
Link and Sync; (an Amp Strapping Mode)	No	No	No	Link & Sync	Link & Sync	Link & Sync	No	Link & Sync	Link & Sync	No
Possible System Configurations	2 / 1-Channel	4 / 3 / 2-Ch	4 / 3 / 2-Ch	1-Channel	1-Channel	1-Channel	2 / 1-Channel	1-Channel	1-Channel	2 / 1-Channel
<b>General Specifications</b>										
Soft Start Turn-On Delay/Mute	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frequency Response -3dB	2Hz to 70kHz	2Hz to 70kHz	2Hz to 70kHz	2Hz to 250Hz	2Hz to 250Hz	2Hz to 250Hz	2Hz to 250Hz	2Hz to 250Hz	2Hz to 250Hz	2Hz to 250Hz
Damping Factor	> 300	> 200	> 280	> 400	> 400	> 400	> 400	> 400	> 400	> 400
Signal to Noise Ratio	> 95dB	> 93dB	> 95dB	> 98dB	> 98dB	> 98dB	> 98dB	> 98dB	> 98dB	> 98dB
THD + Noise	< 00.03%	< 00.03%	< 00.03%	< 00.1%	< 00.1%	< 00.1%	< 00.1%	< 00.1%	< 00.1%	< 00.1%
Channel Separation at 1 kHz	> 70dB	> 70dB	> 70dB				> 85dB			> 85dB
Variable Input Level (RCA/Unbalanced)	0.2V - 9V	0.2V - 9V	0.2V - 9V	0.2V - 9V	0.2V - 9V	0.2V - 9V	0.2V - 9V	0.2V - 9V	0.2V - 9V	0.2V - 9V
Variable Input Level (Mini DIN Balanced)	0.4V - 18V	0.4V - 18V	0.4V - 18V	0.4V - 18V	0.4V - 18V	0.4V - 18V	0.4V - 18V	0.4V - 18V	0.4V - 18V	0.4V - 18V
Variable Input Imp. (RCA/Unbalanced)	0.6k-47k-Ohm	0.6k-47k-Ohm	0.6k-47k-Ohm	0.6k-47k-Ohm	0.6k-47k-Ohm	0.6k-47k-Ohm	0.6k-47k-Ohm	0.6k-47k-Ohm	0.6k-47k-Ohm	0.6k-47k-Ohm
Input Impedance; Balanced	20k-Ohm	20k-Ohm	20k-Ohm	20k-Ohm	20k-Ohm	20k-Ohm	20k-Ohm	20k-Ohm	20k-Ohm	20k-Ohm
Hi Output Whisper Fan	Yes	Yes	Yes	No	No	No	No	No	No	No
Power and Diagnostics LEDs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Protection: DC, Short Circuit, & Overload	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Supply-All MOSFET	Full PWM	Full PWM	Full PWM	Full PWM	Full PWM	Full PWM	Full PWM	Full PWM	Full PWM	Full PWM
Power Output Circuit Type	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET	Ultra-Fi MOSFET
Crossover & Switching: Ch 1/2	LP-BP/Full/HP	LP-BP/Full/HP	LP-BP/Full/HP							
Vari Hi-Pass, 12dB Octave	400Hz-4kHz	10Hz-4kHz	10Hz-4kHz				See Mono Amp x-over & switching			See Mono Amp x-over & switching
<b>Crossover &amp; Switching</b>										
Vari Lo-Pass, 12dB Stereo/24dB Mono	40Hz-400Hz	40Hz-4kHz	40Hz-4kHz							
Subsonic Filter, 12dB Stereo/24dB Mono	10Hz-150Hz									
Bass EQ	0+18dB	0+18dB	0+18dB							
Crossover & Switching: Ch 3/4										
Vari Hi-Pass, 12dB Stereo/24dB Mono		10Hz-4kHz	10Hz-4kHz							
Vari Lo-Pass, 12dB Stereo/24dB Mono		40Hz-4kHz	40Hz-4kHz							
Stereo/Mono Switch		Yes	Yes							
Bass EQ		0+18dB	0+18dB							
<b>Phase Shift Controller</b>										
Variable Phase Shift	Off/On/Stereo	Mono/Stereo	Mono/Stereo	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Phase Change in Degrees	0+180	0+180	0+180	0+180	0+180	0+180	0+180	0+180	0+180	0+180
Channel Specific Phase Controls;	L/R	CH-1/2 & 3/4	CH-1/2 & 3/4							
<b>Mono Amp Crossover &amp; Switching</b>										
Vari Lo-Pass, 24dB Octave				35Hz-250Hz	35Hz-250Hz	35Hz-250Hz	35Hz-250Hz	35Hz-250Hz	35Hz-250Hz	35Hz-250Hz
Subsonic Filter				10Hz-50Hz	10Hz-50Hz	10Hz-50Hz	10Hz-50Hz	10Hz-50Hz	10Hz-50Hz	10Hz-50Hz
Bass EQ				30Hz-60Hz	30Hz-60Hz	30Hz-60Hz	30Hz-60Hz	30 Hz-60 Hz	30 Hz-60 Hz	30Hz-60Hz
Bass Boost				0+18dB	0+18dB	0+18dB	0+18dB	0+18dB	0+18dB	0+18dB
<b>Connector Types</b>										
Balanced Inputs (DIN for Optional Line Drivers)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Unbalanced Input (RCA)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Line Output (RCA)	HP/Full/BP	CH-1/2/3/4/Full	CH-1/2/3/4/Full	Hi-Pass	Hi-Pass	Hi-Pass	Hi-Pass	Hi-Pass	Hi-Pass	Hi-Pass
Bridged Input (RCA)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bridged Output (RCA)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote Bass Module Included (Via RJ11 Jack)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual Amp Remote Bass Control Function	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No
<b>Mechanical</b>										
Gold Plated Power Terminal Blocks	4-GA	4-GA	4-GA	2-GAx2	2-GAx2	2-GAx2	2-GAx2	2-GAx2	2-GAx4	2-GAx8
Gold Plated Speaker Terminal Blocks	10-GA	10-GA	10-GA	10-GA	10-GA	10-GA	10-GA	10-GA	10-GA	10-GA
Dimensions-WxHxL (Inches) <small>Endcaps add 5.32"</small>	11.20 x 2.6 x 20	11.2 x 2.6 x 17.4	11.2 x 2.6 x 20.86	11.2 x 2.6 x 21.5	11.2 x 2.6 x 22.83	11.2 x 2.6 x 20.5	11.2 x 2.6 x 26.5	11.2 x 2.6 x 23.75	11.2 x 2.6 x 28	11.2 x 5.5 x 28

## Hifonics Zeus Wide-Range Speakers with Soundlight™ Speaker Illumination Technology

• Soundlight™ Illumination Technology (Dustcaps and or Tweeters) • Neodymium Swiveling Silk-Dome Tweeters • Titanium-Coated Polypropylene Speaker Cones • Weather-Resistant Rubber Surrounds • Ported Motor Structure

Speaker Family/Model	Size/Type	Peak/RMS	LED Illuminated	Impedance	Frequency Response	Sensitivity 1w1m	Mounting Depth
Zeus / ZXI 52CX	5.25"/Coax	325 / 65W	Yes	4-Ohm	61Hz- to 23kHz	89dB	2.24"
Zeus / ZXI 63	6.5"/3-Way	375 / 75W	Yes	4-Ohm	56Hz- to 24kHz	90dB	2.44"
Zeus / ZXI 683	6x8"/3-Way	425 / 85W	Yes	4-Ohm	43Hz- to 24kHz	92dB	2.32"
Zeus / ZXI 693	6x9"/3-Way	550 / 110W	Yes	4-Ohm	43Hz- to 24kHz	92dB	3.51"
Zeus / ZXI 5.2C	5.25"/Component Set	450 / 90W	Yes	4-Ohm	61Hz- to 25kHz	89dB	2.24"
Zeus / ZXI 6.5C	6.5"/Component Set	500 / 100W	Yes	4-Ohm	56Hz- to 25kHz	90dB	2.44"

# SPECIFICATIONS

Specifications Subject to Change Without Notice

## Hifonics Atlas Wide-Range Speakers

• Soundlight™ Total-Cone Illumination Technology • Neodymium Swiveling Ceramic-Dome Tweeters • Atlas Components Offer Phase-Plug Coherent Time-Alignment Design • Low-Mass Glass & Carbon Fiber Speaker Cones • Moisture-Resistant Rubber Surrounds • UPAC Ported Motor Structure

Speaker Family/Model	Type/Size	Peak/RMS	Illuminated	Impedance	Frequency Response	Sensitivity	Mounting Depth
Atlas / AS 62CXi	6.5"/Coax	200/100	Yes	4-Ohm	55Hz- to 20kHz	90dB	2.68"
Atlas / AS 693i	6x9"/3-Way	250/125	Yes	4-Ohm	42Hz- to 20kHz	92dB	3.64"
Atlas / AS 5.2Ci	5.25"/Component Set	200/100	Yes	4-Ohm	60Hz- to 20kHz	89dB	2.64"
Atlas / AS 62Ci	6.5"/Component Set	250/125	Yes	4-Ohm	55Hz- to 20kHz	90dB	2.99"

## Brutus Subwoofers

Specifications Subject to Change Without Notice

Subwoofer Model	BX10D2 1000	BX10D4 1000	BX10SQD4 1200	BX12D2 1200	BX12D4 1200	BX12SQD4 1200	BX15D2 1400
Watt@Maxx (Watts)	500	500	600	600	600	600	700
Watt@RMS (Watts)	2 + 2	4 + 4	4 + 4	2 + 2	4 + 4	4 + 4	2 + 2
Ohms/Impedance(s) (Ohms)	33.12	34	25.06	31.05	31.77	23.43	27.57
Fs (Hz)	2 x 95	2 x 1.525	2 x 1.525	2 x 95	2 x 1.525	2 x 1.525	2 x 95
Re Vc (Ohms)	18.81	18.81	51	47.39	47.39	116	122.6
Vas (Liter)	0.41	0.461	0.442	0.433	0.488	0.471	0.479
Qts (Qts)	15	15	15	15	15	15	15
Xmax (mm)	92.88	90.56	91.37	95.77	93.39	93.77	97.84
SPL@2.83V (dB)							
Mounting Depth							
<b>CLOSED BOX DESIGN</b>							
Box Volume (Cubic Ft.)	0.4	0.4	0.8	1	1	1.5	2
Fc (Hz)	53.61	54.59	50.42	50.78	51.7	41.35	48.07
<b>VENTED BOX DESIGN</b>							
Box Volume (Cubic Ft.)	0.4	0.4	0.8	1	1	1.5	3
Port Size (Inches)	2.5"x10"	2.5"x10"	3"x10"	3"x10"	3"x10"	3.5"x10"	4"x10"
Fb (Hz)	43.89	44.19	37.14	36.37	36.74	34.71	29.32
Fp (Hz)	53.5	53.5	44.51	39.81	39.81	37.22	29.53

## Zeus and HF Subwoofers

Subwoofer Model	Zeus Subwoofers	HF Subwoofers
Watts Peak Power	700	700
Watts RMS Power	350	350
DVC Impedance / Ohms	2 + 2	4 + 4
Fs - Hertz	35.62	39.51
Re - Ohms x 2	1.8	1.8
Qts	0.45	0.57
Vas - Liters	39.5	48.5
Vas - Cu Ft.	1.39	1.72
Xmax - mm	10	10
Xmax - Inches	0.39	0.39
SPL - dB @2.83V	96.29	97.32
<b>Suggested Zeus &amp; HF Subwoofer Enclosure Sizes</b>		
Sealed Enclosure Designs:		
Suggested Internal Box Volume	1-Cu Ft.	1.5-Cu Ft.
Box Poly Fill	Loose	Loose
Vented Enclosure Designs:		
Suggested Internal Box Volume	1-Cu Ft.	1.5-Cu Ft.
Port I.D. x Length	3.0" x 10"	3.5" x 10"
Enclosure Resonance	39.89 Hz.	37.22 Hz.
Port Resonance	41.61 Hz.	41.74 Hz.

## Atlas and Goliath Subwoofers

Subwoofer Model #	Atlas Subwoofers	Goliath Subwoofers
Ohms/Impedance(s) (Ohms)	AS12 2+2	AS12SQD2 2+2
Fs (Hz)	36.79	37.32
Vas (Liter)	20.5	21.5
Qts (Qts)	0.4	0.38
Xmax (mm)	15	21
SPL@2.83V (dB)	95.07	95.65
Watt@RMS (Watts)	600	900
Watt@PEAK (Watts)	1200	1800
<b>CLOSED BOX DESIGN</b>		
Box Volume (Cubic Ft.)	1	1.5
Fiber Fill (%)	None	None
Fc (Hz)	48.09	45.55
<b>VENTED BOX DESIGN</b>		
Box Volume (Cubic Ft.)	1	1.5
Fiber Fill (%)	None	None
Fb (Hz)	38.31	33.19
Port Size (Inches)	3 x 10	3.5 x 10
Fp	35.66	32.7

## Goliath SPL Box Design

SPL Box Volume (Cubic Ft.)	XX1612	XX1615	XX2412	XX2415	XX3212	XX3215
Port Size (inches)	None	None	None	None	None	None
Tuned Frequency (Hz)	75	75	75	75	75	75
SPL Gain (dB)	14.5	16.5	15.1	16.9	17.2	17.8





**HIFONICS**  
C A R A U D I O  
POWER FROM THE GODS



**POWERED BY  
MAXXSONICS**

The information contained herein may not be reproduced in whole or in part without the express written permission of Maxxsonics, Inc.

2004-2006 Maxxsonics, Inc. Hifonics, MB Quart, Autotek, and Crunch USA are registered trademarks of Maxxsonics, Inc.

iPod® is the registered trademark of Apple® Computer, Inc. which is not affiliated with this product. Maxxsonics is not an agent or affiliated in any way with Apple Computer, Inc.

All rights reserved. All other trademarks are the property of their respective owners.

**Maxxsonics® USA, Inc.**

1290 Ensell Road • Lake Zurich • Illinois • 60047 USA  
Phone: 847-540-7700 • FAXX: 847-540-9776

Maxxsonics European Enterprise  
20 Neckarstraße

74847 Obrigheim Germany  
Telefon: +49(0)6261-638-0 • FAXX: +49(0)6261-638-180  
[www.maxxsonics.com](http://www.maxxsonics.com)

MB Quart, Autotek, Hifonics® and Crunch® USA  
are divisions of Maxxsonics® USA Inc.



**HIFONICS**



**POWERED BY  
MAXXSONICS**