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## A MESSAGE FROM THE FOUNDER, SCOTT BUWALDA.



My inspiration for Hybrid Audio Technologies sprouted as good friends sat in a coffee shop in Louisville, Kentucky, USA as we shared our collective disenchantment with the direction that the current high-end car audio speaker manufacturers were going with their products. At one point the question was posed 'why don't you just build the ultimate car audio speaker line and start your own company?' So I did. And here we are today, producing products that are recognized around the world as the finest car audio speakers available, at any price.

In our short tenure, Hybrid Audio has amassed a long list of accolades from the media, dealers, and enthusiastic consumers that use and enjoy our products. And then there are organized sound quality competition results - the ultimate "litmus test" of a products efficacy against its competitors; cars equipped with Hybrid Audio Technologies products have won more North American and World Championships in the past five years than all other front-stage speaker manufacturers combined. In fact, the highest-scoring sound quality competition vehicle of all time, in any format, in any part of the world is my own personal show car which, naturally, utilizes Hybrid Audio Technologies products.

In short, our philosophy is to build products that are new and exciting, that have no equal, and are surpassed only by our commitment to honest-to-goodness customer service and guaranteed lifetime value. So when can I be honored to have you as a Hybrid Audio Technologies client?



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## FOUNDATION

Hybrid Audio Technologies is an organic company based in the United States of America, in a suburb of beautiful Atlanta, Georgia. Each and every Hybrid Audio staff member and Team Hybrids competitor spend an inordinate amount of time listening to, testing, and refining our speakers and speaker systems in a variety of configurations and settings to ensure that the Hybrid Audio Technologies product performs well beyond its price range, and significantly exceeds the performance of our competitor's products.

Being a small company, we rely heavily on word-of-mouth testimonials and endorsements. We have also been honored many times in non-advertisement media reviews, the truest form of media evaluation. We feel that non-commissioned media reviews and enthusiast testimonials carry a considerable amount of credibility, and we are honored to be the high-performance speaker brand of choice amongst the enthusiast car audiophile community and specialty retailers across the world. We invite you to do an Internet search and see for yourself the hundreds of independent tests and reviews conducted on our products, and likewise, witness heartfelt comments from thousands of satisfied listeners! We may not be a household name, but we can assure you that we build a product that far exceeds that of our competition.

Hybrid Audio Technologies is an Atlanta, Georgia, USA-based Corporation, solely owned by an American citizen. All design and engineering is done "in house," and all of our products are new, and not your typical "re-badged" products manufactured for others; Hybrid Audio speaker systems are one-of-a-kind products that have no equal and no equivalent in the industry. We continuously strive to bring to you new and exciting products that put a priority on performance, exceptional QA/QC, and incredible sound quality "right out of the box."





# LEGATIA

Let's start with our first and original offering, initially launched in 2005, and refined over the course of the last decade, the widely-acclaimed Legatia Series; the product that defined the company and its quality.

Legatia is a truly high-end approach to in-car sound quality and acoustical performance. Legatia products are sold in a la carte speaker pairs or as component sets, allowing the end-user to design a custom system of Legatia products, or a combination of Legatia and other Hybrid Audio Technologies product offerings. A multitude of possible two-, three-, and four-way systems can be assembled using Legatia products.

Legatia drivers are sensitive and perform exceptionally under high power conditions and its design allows for extended, high-amplitude listening sessions.

Truly a high-end alternative for any audio system, Legatia is the enduring brand of choice for persons picky about their audio reproduction, or for those interested in winning world championships in organized sound quality competition.



## High Frequency

Legatia tweeters offer flexible mounting options and provide hours of listening pleasure.

The *L1V2* is ideal in 3-way front stages. The *L1V2NH* is an exceptionally small, housing-less version of the *L1V2* with a mounting hole tapped and ready for install.

MODEL	DESCRIPTION
L1V2	Tweeter Pair - Silver or Black
L1V2-NH	Tweeter Pair w/o Housing



## Wide-Bandwidth Midrange/Full-Range

Legatia midrange drivers are at the heart of the Legatia system, accurately reproducing the critical vocal range in its entirety.

Providing exceptionally wide bandwidth, the *L3V2* may be used without tweeters in "above dash" installations. While the *L4* is optimized for door and kick panel locations in 3-way front stages.

MODEL	DESCRIPTION
L3V2	3.7-Inch / 93mm Speaker Pair
L4	4.65-Inch / 118mm Speaker Pair



## Wide-Bandwidth Midrange/Midbass

Legatia midbass drivers provide the substance required to intensify the fundamental notes of the rhythm section, while fully capable to reproduce critical midrange frequencies.

They are designed to function in an "infinite baffle" configuration. No enclosure is required, nor recommended for any Hybrid Audio midrange or midbass drivers.

MODEL	DESCRIPTION
L5V2	5.25-Inch / 133mm Speaker Pair
L65V2	6.5-Inch / 165mm Speaker Pair
L6V2	7.1-Inch / 181mm Speaker Pair
L8V2	8.85-Inch / 225mm Speaker Pair



## Accessories

Legatia 2-way and 3-way passive crossovers may be used in any Hybrid Audio Technologies front stage system, and offer an audiophile-grade design and component selection.

The *PTC75* is designed to protect tweeters and small diameter midranges in active systems.

MODEL	DESCRIPTION
PTC75	Tweeter Protection Pair
L2x	2-Way Crossover Pair
L3x	3-Way Crossover Pair
L2G	2.7-Inch Grille Pair
L3G	3.7-Inch Grille Pair
L4G	4.65-Inch Grille Pair
L6G	7.1-Inch Grille Pair
L8G	8.85-Inch Grille Pair



# LEGATIA SE

The world's finest car audio speaker systems, at any price, are the Legatia Special Edition (SE) Series drivers.

Built upon the widely-acclaimed Legatia Series, the Legatia Special Edition Series is a collection of seriously-enhanced drivers for the pinnacle of sound reproduction, and the yardstick by which other brands are compared.

Legatia SE products are sold in a la carte speaker pairs or as component sets, allowing the end-user to design a custom system of Legatia SE products, or a combination of Legatia SE products and other Hybrid Audio Technologies product offerings.

The SE series midranges and midbass utilize the same exact mounting topology as the Legatia products for immediate 'drop-in' upgrade potential.

The Legatia SE systems are the benchmark speakers systems from Hybrid Audio Technologies. Legatia SE is the enduring brand of choice for critical audiophiles, world championship car audio competitors, or for those that require the very best in audio loudspeakers.

Grilles are available for Legatia SE midrange / midbass drivers from the Legatia series.



L1 Pro R2 Black

## High Frequency

The Legatia **L1 Pro R2** is a 58mm (2.3-inch) O.D. "low resonance" wide-bandwidth tweeter driver to compliment both two-way and three-way system designs, where a super high-end tweeter driver is required.

It is a 25mm (1-inch) ring radiator-type tweeter, which is the desired diameter for aplomb performance and class-leading polar response, having an extended linear response and exceptional transient response. The design offers a wide dispersion pattern to make for flexible on- and off-axis installation and speaker locations.

*Available in both brushed aluminum finish or black anodized.*



L1 Pro R2 Silver



L3SE

## Midrange/Full-Range

The Legatia **SE** midrange/full-range drivers offer key enhancements to the Legatia range, they include: wider bandwidth, lower inductance, lower moving mass for transient response, high-energy opposing double-stacked neodymium cup and motor for increased motor performance and smaller diameter motor; and inclusion of an aluminum radiator for heat dissipation and increased thermal power handling.

The **L4SE Carbon** boasts a mounting depth of just 1.65-inches, making it ideal for special application installs.

### MODEL DESCRIPTION

L2SE	2.7" / 68mm Speaker Pair
L3SE	3.7" / 93mm Speaker Pair
L3 Pro	3.9" / 99mm Dome Midrange
L4SE	4.65" / 118mm Speaker Pair
L4SE C	Carbon Cone L4SE Speaker Pair



L4SE Carbon



L6SE

## Midrange/Midbass

The Legatia **SE** midrange/midbass drivers boast the same key enhancements to the Legatia range as the Legatia **SE** midrange drivers.

The **L6SE** is an amazing midrange driver with midbass capabilities. With the ability to accurately reproduce the rhythm section as well as the majority of the vocal range.

The **L8SE** is the highest performing midbass driver offered by Hybrid Audio Technologies and performs exceptionally well in both 3-way and 2-way front stages, with the **L1 Pro R2** tweeter.

### MODEL DESCRIPTION

L6SE	7.1" / 181mm Speaker Pair
L8SE	8.85" / 225mm Speaker Pair
L8SE DC	Dust Cap Version Speaker Pair



L8SE



# LEGATIA X

The term **Legatia** is well-known amongst car audiophiles, specialty dealers, and distributors around the world. The Hybrid Audio Technologies Legatia namesake is consistently the winningest brand of speakers for over a decade in organized competition in the USA and abroad.

**Legatia X** celebrates the efficacy of the brand with a series of products that emphasize sound quality reproduction, offered in a variety of bespoke midbass and midrange options. To begin, you can choose between carbon fiber and paper cones, as well as the inclusion of a dust cap or extended phase plug pole piece. Likewise, the fine fabric diaphragm **Legatia X** tweeter comes in both brushed aluminum finish or black anodizing.

**Legatia X** products are sold in a la carte speaker pairs, with bespoke options, allowing the end-user to design a custom system of **Legatia X** products, or a combination of **Legatia X** products and other Hybrid Audio Technologies product offerings.

**Legatia X** series midranges and midbass utilize the same exact mounting topology as the Legatia products for immediate 'drop-in' upgrade potential.

**Legatia X** systems are the benchmark speakers systems from Hybrid Audio Technologies.



## Legatia X1

The **Legatia X1** is a 58mm (2.3-inch) O.D. "low resonance" wide-bandwidth tweeter driver to compliment both two-way and three-way system designs, where a super high-end tweeter driver is required.

At the onset of the Legatia Pro-Series program, we wanted to be sure that the Pro-Series tweeter could be listened to for long listening sessions with no noticeable listener fatigue, and the **Legatia X1** answered the call. The **Legatia X1** is an advancement of the original Legatia L1 Pro R2 design.

*Available in both brushed aluminum finish or black anodized.*



## Legatia X3

The **Legatia X3** is a 93mm (3.7-inch) "small format" wide-bandwidth midrange/full-range driver to compliment both two-way and three-way system designs, where a point-source midrange and/or full-range driver is required.

At home in virtually any arrangement, the **Legatia X3** is the small-format midrange offering in the **Legatia X** series, boasting exceptional performance and a design philosophy that goes hand in hand with true high-fidelity playback.

*Available with carbon fiber or paper cones, as well as the inclusion of a dust cap or extended phase plug pole piece.*



## Legatia X6

The **Legatia X6** is a 181mm (7.1-inch) wide-bandwidth midbass/midrange driver to compliment both two-way and three-way system designs, where a point-source midrange and/or dedicated midbass driver is required.

The **Legatia X6** is the ideal multi-purpose super high-end speaker driver. Mechanical and electrical parameters are amenable to a variety of different installations and speaker locations. This driver is intended to be used in an infinite baffle configuration.

*Available with carbon fiber or paper cones, as well as the inclusion of a dust cap or extended phase plug pole piece.*



## Accessories

Legatia 2-way and 3-way passive crossovers may be used in any Hybrid Audio Technologies front stage system, and offer an audiophile-grade design and component selection.

The **PTC75** is designed to protect tweeters and small diameter midranges in active systems.

MODEL	DESCRIPTION
PTC75	Tweeter Protection Pair
L2x	2-Way Crossover Pair
L3x	3-Way Crossover Pair
L3G	3.7-Inch Grille Pair
L6G	7.1-Inch Grille Pair



## UNITY & IMAGINE POWERSPORTS

The Unity series offers an ideal solution to upgrade the speaker system in a vehicle having factory dash speaker locations by including two wide-bandwidth speaker options.

The 2.7-inch Unity U2 and 3.7-inch Unity U3 are high-performance drivers designed to function as the in-dash speaker in a 2-way or 3-way front stage, in conjunction with the various Unity midbass drivers, and optionally with the Unity U1 25mm tweeter. Also available are the U2x-W and U2x passive crossovers, offering flexible options to create the ideal 2-way or 3-way front stage solution where passive crossovers are necessary.

The Unity 6.5-inch midbass drivers are available in 2Ω or 4Ω impedance configurations for superb flexibility. The Unity U6-S and U69-S are shallow-mount options to the Unity U6V2 and U69V2, respectively, and with a mounting depth of just 75mm is the shallowest high-performance 6x9-inch woofer of its kind.

*Imagine Powersports* offers a fantastic price to performance ratio. Imagine systems easily out-perform competitor's speaker systems costing twice to three times the price. Imagine is designed for the discerning individual, interested in more than just an 'OEM replacement speaker.'



### UNITY SPEAKER SETS

Unity sets include the exceptional U1 competition-grade tweeters. The U1 driver is a 25mm diameter impregnated silk textile dome neodymium tweeter.

The Unity U2 and U3 are ideal drivers for use in factory dash locations in conjunction with the Unity U69 or U6 midbass drivers.

The Unity U2x-W Low/Mid crossover provides a solution for Tweeterless 2-way, or 3-way front stage systems when used with the Unity U2x crossover.

- » Cast ABS frame.
- » Hybrid paper blend cone and dust cap with water proof treatment.
- » Inverted high-loss rubber surround.
- » Audiophile grade crossover network.
- » Grilles included.

#### MODEL DESCRIPTION

U51-2	5.25" Speaker Set
U61-2V2	6.5" Speaker Set
U69-2V2	6x9" Speaker Set
U1	25mm Tweeter Kit
U2	2.7" Midrange Pair
U3	3.7" Midrange Pair
U6V2	6.5" Midbass Pair
U6-S	6.5" Shallow Midbass Pair
U69V2	6x9" Midbass Pair
U69-S	6x9" 2Ω Shallow Speaker Set
U2x-W	Low/Mid Crossover



### UNITY CONVERTIBLE SETS

Unity offers flexible mounting options to compliment its amazing performance. The 6.5" and 6x9" sets can be used as a coaxial or separates set.

Convertible Unity sets include grilles and component set conversion items, including midbass phase plugs, tweeter cups and hardware, connection wire, and an extra set of magnet decals, for the ultimate coaxial or component set flexibility.

- » Cast ABS frame and phase plug.
- » Hybrid paper blend cone with water proof treatment.
- » Inverted high-loss rubber surround.
- » 25mm silk dome tweeter with in-line low-tolerance mylar capacitor.
- » Grilles included.

#### MODEL DESCRIPTION

U61-2V2 C	6.5" Speaker Set
U69-2V2 C	6x9" Speaker Set



### IMAGINE POWERSPORTS

Imagine Powersports offers 6.5" and 6x9" sizes.

Kits include a pair of cast ABS frame midbass coaxials with water-proof paper cones proprietary to Hybrid Audio Technologies, high-energy ferrite magnets, and 20mm soft-dome tweeters with integrated, high-quality Mylar tweeter crossover capacitors.

- » Cast ABS frame.
- » Hybrid paper blend cone with water proof treatment.
- » Inverted high-loss rubber surround.
- » 20mm silk dome tweeter with in-line low-tolerance mylar capacitor.
- » Grilles are optional.

#### MODEL DESCRIPTION

PS61-2	6.5" Coaxial Pair
PS69-2	6x9" Coaxial Pair
I1	20mm Tweeter Kit



# UNITY AMPLIFIERS

The difference between an ordinary and great-sounding amplifier, at any price point, comes down to the experience, care, and knowledge of the design team; with many hours listening to and fine-tuning the product to provide the best sounding result possible.

Unity Amplifiers were developed and tuned by a team with over 40 years of amplifier design experience, and as a result, they yield a warm, detailed, and accurate musical presentation that is rare in this price class. The designers avoided the power numbers race, and instead concentrated on the sound and making sure they work seamlessly with all ranges of speaker products offered by Hybrid Audio Technologies.

- CLASS "D" HIGH-CURRENT OPERATION
- DUAL DISCRETE DRIVE STAGES
- MOSFET PWM POWER SUPPLY
- BRIDGEABLE OPERATION (U4A/U5A)
- DEFEATABLE 12 dB FILTERS
- NICKEL PLATED TERMINALS
- SOFT START & MUTING
- DC, THERMAL & SHORT PROTECTION



## Unity U5A 5-Channel

- Power RMS @ 4 ohms: 75w x 4 + 400w x 1
- Power RMS @ 2 ohms: 110w x 4 + 600w x 1
- Power RMS @ 4 ohms bridged: 220w x 2
- THD: <0.05% at rated power
- Low Pass Filter: 600 Hz-6 kHz (Channels 3&4) 50-200 Hz (Channel 5)
- High Pass Filter: 15 Hz-6 kHz (Channels 1&2) 50-500 HZ (Channels 3&4)
- Frequency Response: 10 Hz-30 kHz (Channels 1-4) 10-250 Hz (Channel 5)
- Signal to Noise Ratio: >100 dB
- Input Sensitivity: 350 mV-6 V
- Input Impedance: 22k Ohm
- Minimum Speaker Impedance @ Stereo: 2 Ohm
- Fuse Rating: 30A x 3
- Dimensions (in): 7.3 x 2.2 x 16



## Unity U4A 4-Channel

- Power RMS @ 4 ohms: 75w x 4
- Power RMS @ 2 ohms: 110w x 4
- Power RMS @ 4 ohms bridged: 220w x 2
- THD: <0.05% at rated power
- Low Pass Filter: 60 Hz-6 kHz (Channels 1/2) 60-600 Hz (Channels 3/4)
- High Pass Filter: 50 Hz-200 Hz (Channels 1/2) 15 Hz - 6 kHz (Channels 3/4)
- Frequency Response: 10 Hz-30 kHz
- Signal to Noise Ratio: >100 dB
- Input Sensitivity: 350 mV - 6 V
- Input Impedance: 22k Ohm
- Minimum Speaker Impedance @ Stereo: 2 Ohm
- Fuse Rating: 25A x 2
- Dimensions (in): 7.3 x 2.2 x 11



## Unity U1A 1-Channel

- Power RMS @ 4 ohms: 600w x 1
- Power RMS @ 2 ohms: 1000w x 1
- Low Pass Filter: 50-250 Hz
- Frequency Response: 10-250 Hz
- Signal to Noise Ratio: >100 dB
- Input Sensitivity: 350 mV - 6 V
- Input Impedance: 22k Ohm
- Minimum Speaker Impedance: 2 Ohm mono
- Fuse Rating: 30A x 3
- Dimensions (mm): 185 x 55 x 410
- Dimensions (in): 7.3 x 2.2 x 16

# Fact:

- Hybrid Audio Technologies product offerings are designed and produced for **enduring quality** and **listening enjoyment**.
- Hybrid Audio Technologies offers **guaranteed value**.
- Hybrid Audio Technologies is **100% American-owned** with no off-shore interests.
- Hybrid Audio Technologies offers **one-to-two day ship times** most anywhere in the United States.
- All of Hybrid Audio Technologies resources are **here in the USA**.
- Hybrid Audio Technologies performs **no direct domestic sales** and all consumer product sales are closely regulated and sold at listed price.
- We are **musicians and experts** at what we do; we **believe** in what we make. **We do this for the music**. This is our **passion**. This, is **who we are**.



Mirus V represents a radical departure from the norm for Hybrid Audio Technologies. As we set out to improve the already astonishingly-good Mirus range, special attention was paid to critical factors in the Mirus V price range: markedly improving sound pressure level and incorporating drop-dead gorgeous looks. Mirus V boasts carbon-fiber cones and titanium diaphragm tweeters that swivel, along with other features you've come to expect in a Hybrid Audio design: reverse-roll high-loss surrounds, powder-coated frames, and integrated low-tolerance polypropylene crossover capacitors for the tweeters. Grilles are optional.

CODE	ITEM	FREQUENCY RESPONSE	MOUNTING DEPTH	POWER HANDLING	SUGGESTED CROSSOVER
MV41-2	4" / 117mm 2-way	89-20k Hz	2.19"	40 watts	100 Hz
MV51-2	5.25" / 150mm 2-way	86-20k Hz	2.24"	45 watts	90 Hz
MV61-2	6.5" / 165.5mm 2-way	80-20k Hz	2.54"	60 watts	85 Hz
MV61-2 C	Coaxial/Component Version	72-20k Hz	2.54"	60 watts	85 Hz
MV57-2	5x7" 2-way	86-20k Hz	2.66"	60 watts	85 Hz
MV69-2	6x9" 2-way	67-20k Hz	3.44"	60 watts	70 Hz
MV69-2 C	Coaxial/Component Version	67-20k Hz	3.44"	60 watts	70 Hz
M5G	5.25" Grille Set w/ Round Perforations (Pair)				
M6G	6.5" Grille Set w/ Round Perforations (Pair)				
M69G	6x9" Grille Set w/ Round Perforations (Pair)				

## Warranty

Hybrid Audio Technologies extends a limited one year warranty to the original purchaser when self-installed, and three years warranty when installed by an authorized Hybrid Audio Technologies dealer (United States only), and hereby certifies that this product will be free from defects in materials and workmanship under normal and proper use for one year from the date of purchase.

Limitations apply, please see full warranty statement as included in the product's "Installation & Reference Manual."

## Team Hybrids

Team Hybrids has established itself as the premier autosound team today, with branches in countries all over the world.

Team Hybrids members are not only car owners, they are enthusiasts and active in the aftermarket autosound community. Team Hybrids members take pride in *sounding better* while using their extensive resources to help others.

Team Hybrids is in a search for the most diverse and proud car owners in the world. Whether you are into the show car, autosound competition, or project car scene, we want to consider you for our Team. The only requirement is that you love music, and the faithful playback of good music through our speaker systems.

For more information and to submit an application, please visit: [teamhybrids.org](http://teamhybrids.org)

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