It's amazing: A magnet, some wire, and a paper cone are able to render the sonic image of a voice or an instrument. So simple, yet so spellbinding. Somewhere in the southwest of Germany, sometime in the seventh decade of the last century, a young musician was captivated by this phenomenon. And at some point his fascination turned to ambition. Company founder Lothar Stamer was determined that one day he would build the world’s best sound reinforcement system.

Today we know that every application is different, and each has its unique requirements. So you will find a number of different sound reinforcement solutions presented in this catalog. Although each combines audio, transport, and handling properties in its own way, all systems have one thing in common – gloriously natural, clear, and warm sound.

HK AUDIO. Speakers that don’t sound like speakers.

The Fascination of Speakers
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Lothar Stamer’s enduring fascination with speakers took a scientific turn in 1979. The founder of HK AUDIO painstakingly researched the functional and acoustical properties of horns and documented his findings in his master's thesis. From day one, his vision put the user first. Seeking to develop systems tailored to their needs, he aimed high to make audio techs, musicians, and DJs shine, performances sparkle, and audiences glow with satisfaction. Powerful, versatile, and easy to handle, these systems would put users on a sure path to supremely satisfying audio results.

It wasn’t much later that we joined forces with some of the world’s most distinguished speaker companies. Speakers designed and manufactured to our specifications have featured prominently in all HK AUDIO systems ever since.

And everything we do is done with our eyes fixed firmly on the prize: To sound as true to the source as possible!
While the world has changed in the last 30 years, our attitude hasn’t. Never content to leave even a very good thing be; always striving to inch a little closer to perfection with each passing day: “Typically German,” some might say with a smile. Perhaps, but this desire to build a better mousetrap is what drives us. It’s why investments in research and development flow steadily in our company. Users downstream benefit not only from enhanced audio properties and performance, but also from innovative handling designs and smarter products that make their lives easier.

Today the HK AUDIO R&D team is made up of many specialists. Engineers specializing in acoustics, analog and digital electronics, and mechanics work closely with an elite crew of audio techs. Utility and human auditory physiology are the yardsticks by which they measure the performance of every innovation. The R&D team has a very powerful tool at its disposal – one of the world’s most advanced Class 1 acoustical measuring chambers. This room enables our engineers to document, analyze, and improve our speaker systems’ audio properties and dynamic response.
Conferences, weddings, school festivities, presentations, block parties, busking - many occasions call for smart yet simple sound reinforcement. Conventional PAs are often too inflexible for such applications. Some are too large and unwieldy; others are too complicated to handle; most are both. But there is a perfect solution for all these scenarios: SOUNDCADDY ONE is the ideal sidekick bearing the same mark of excellence that stands for stellar sound – the HK AUDIO brand.
Fast, faster, SOUNDCADDY ONE! No other PA sets up and is ready to go in such a short time. Our engineers packed everything you need in a portable PA into this remarkably convenient and elegant caddy. Transporting it from A to B on its built-in wheels is an exercise in speed and convenience. And life is just as easy once you arrive at the venue: Simply extend the mid/high-range unit pneumatically. Then connect the signal sources to the easy-to-use onboard four-channel mixing console. Presto, the system is ready to go.

SOUNDCADDY ONE not only sets up in mere seconds. As a genuine HK AUDIO PA, it sounds as good as it is enjoyable to use.
**The World’s Fastest PA**

The mid/high-range unit features six custom wide-range speakers of the same breed that deliver such sublime sound in the ELEMENTS system. Aligned vertically, they enable SOUNDCADDY ONE to deliver all the superior benefits of a line array, including a uniform coverage pattern that spreads sound pressure evenly throughout the audience area. Your message comes across loud and clear to everyone in the audience from the front row to the back. Engineered specifically for SOUNDCADDY ONE, the subwoofer is loaded with three 6" woofers that provide the perfect underpinning for the lower frequency range.

SOUNDCADDY ONE’s Class-D power amp pumps out 600 watts – that’s plenty of oomph for many situations. This mobile miracle in sound reinforcement gets the job done in schools and government offices lacking a permanently installed PA. It’s also a sweet solution for exhibitions, fashion shows, car dealerships, churches, and conferences. And SOUNDCADDY ONE is the perfect companion for one-man/woman bands and entertainers seeking a system that sets up and tears down in a flash, but brooks no compromises when it comes to sound.
Sets up in seconds flat. Press the top with a flick of the wrist, and the ingenious mechanism extends the mid/high-range unit fully automatically. Another quick twist adjusts the system to a height of up to 2.10 m. The mid-/ high-range unit retracts and locks down for transport just as quickly. The signal bus is built into the speaker pole so there’s no need for further cords.

Great sound. The six 3.5” speakers in the mid/high-range unit are the product of over two years of joint research with a top manufacturer who makes them exclusively for us. Their vertical line-array configuration ensures optimum frequency response, spreading sound uniformly across the audience area and tapping the power amp’s full potential. And SOUNDCADDY ONE shines with its remarkably articulate and exceedingly intelligible sonic image.

Profound bass. Our engineers practically reinvented the subwoofer for SOUNDCADDY ONE. It sports three 6” woofers developed specifically for the world’s fastest PA. Be warned, though: It may come as a shock that an enclosure with such a small footprint is able to provide such a rich, profound bass foundation.

Plenty of power. SOUNDCADDY ONE is home to a 600-watt, Class-D power amp. And with that kind of power in the engine room, it can easily entertain 200 or more wedding guests.

Versatile connections. The integrated mixing console accepts up to four signal sources simultaneously. Microphone, guitar, or MP3 player, SOUNDCADDY ONE is ready for just about anything. And its single tone control may be simple, but it’s surprisingly effective. Dialing in the sweet spot couldn’t be any easier, even for the less technically inclined.

Made in Germany. SOUNDCADDY ONE is no toy. Its elegant and inconspicuous look belies its tough-as-nails design. Well-equipped to withstand the rigors of daily use, the birch plywood housing is robust and weather-resistant. The hardware is road-proof, with tough wheels to handle even rough terrain and mechanical fittings designed to deliver years of dependable service as an ultra portable device.
Within a few short months of its debut in 1998, the original L.U.C.A.S system triggered a sea change on the market for compact sound reinforcement systems. Exceptional depth and detailing from soft to loud paired with ingeniously simple handling made it the venerable progenitor of the entire HK AUDIO L.U.C.A.S product family. In fact, it sired a new product category that sent many of the conventional compact sound reinforcement systems scurrying for cover, never to be seen again in some market segments.

The newest generation of this best-selling product family embraces the first L.U.C.A.S generation’s sought-after features and leverages state-of-the-art speaker and digital technology to attain an unprecedented level of performance. The original was a high-water mark in system engineering, but the new generation, even more compact, lighter, and able to deliver even more impressive sound with even greater reliability, raises the bar even higher.

L.U.C.A.S ALPHA, the latest addition to the current L.U.C.A.S generation, is here. It is the first L.U.C.A.S rig designed specifically to satisfy the needs of bands and power DJs.

Whatever your musical mission as a DJ, mobile entertainer or band may entail, one of the five L.U.C.A.S systems is sure to fit the bill. Supremely satisfying sound – and the peace of mind that comes with it – is just one good decision away.
The following features are integrated into our L.U.C.A.S systems:

**DDO™ Controller:** Compensates for dynamic distortion to provide natural sound from a whisper to a roar

**Equalizer:** Modifies the entire system’s frequency response

**Active Crossover:** Cleanly splits the input signal into low and high ranges with no signal loss

**Limiter:** Protects speakers from overloading

**Separate high-performance bass and mid/high-range power amps:** Deliver assertive and dynamic natural-sounding response
Practical features make the musician's life easier and more enjoyable.

The DDO™ Controller: The resulting sound is strikingly clear and natural. Furthermore, it is stable and easily controlled from a whisper to a roar. To adapt the rig more easily to different applications and configurations, the L.U.C.A.S DDO™ Controller offers several presets.

- L.U.C.A.S ALPHA
- L.U.C.A.S MAX
- L.U.C.A.S IMPACT

Additional inputs, each with its own gain control, can accommodate a microphone, CD/MP3 player and the like.

- L.U.C.A.S SMART

With an extremely high efficiency rating of over 90%, the digital power amp is considerably lighter and more compact than conventional amp modules. In addition to its impressive output power, its performance is highlighted by extraordinarily fast pulse response, which results in highly dynamic and musically natural sound.

- L.U.C.A.S ALPHA
- L.U.C.A.S MAX
- L.U.C.A.S IMPACT
- L.U.C.A.S PERFORMER
- L.U.C.A.S SMART

HK Audio DuoTilt™ makes the most of the system's sonic energy. With different tilt angles, you can aim the speakers directly at your audience. Listeners are treated to a clear, tightly focused sonic image.

- L.U.C.A.S ALPHA
- L.U.C.A.S MAX
- L.U.C.A.S IMPACT
The Mighty Mite

Looking for a subcompact high-performance system that one person can tote easily and set up inconspicuously? Is it your goal to deliver impressive presentations, or to make your appearance as a solo entertainer a memorable experience in big, bold sound? Then L.U.C.A.S SMART is the right system for you. L.U.C.A.S SMART distills the legendary L.U.C.A.S experience into the miniature format.

The compact mid/high unit is equipped with a 6.5" woofer and a 1" dome tweeter. The MicroTilt™ pole-mount cup is built into the base of the satellite cabinet to make it easy to achieve optimum sound-to-audience alignment.

A 250-watt digital power amp drives the 10" subwoofer. The enclosure houses all the circuitry, including the dual 80-watt power amps to power the satellites.

HK Audio MicroTilt™ makes the most of the system’s sonic energy. With a tilt angle of 10°, you can aim the speakers directly at your audience.

- Two satellites with a 6.5" speaker and 1" dome tweeter
- 250-watt digital power amp for the 10" subwoofer
- 2x 80-watt power amps for the satellites
- Independently adjustable inputs with connections for microphone, line and aux
- HK Audio MicroTilt™ for optimum sound-to-audience alignment
- System weight: 30 kg/ 66 lbs.

Additional inputs, each with its own gain control, can accommodate a microphone, CD/MP3 player and the like.
The Entertainer’s Power Pack

From soothingly sweet dinner ambience to a big bang for rock-the-house party time, L.U.C.A.S PERFORMER does it all with style. Bringing to the table everything that made its forebear the entertainer’s best friend, it is truly a plug & play proposition, sparing your nerves and saving time. This latest generation is an evolutionary advance, a perfected version of the original L.U.C.A.S.

- Two satellites, each with 8” neodymium speaker and 1” CD horn
- 500-watt digital power amp for the 15” neodymium subwoofer
- 2x 200-watt digital power amps for the satellites
- MonoTilt™ for optimum sound-to-audience alignment
- 15” subwoofer in an enclosure factory-equipped with casters
- Total weight of the system: 44 kg / 97 lbs.

The HK Audio MonoTilt™ pole-mount cup is integrated into the cabinet base in order to make possible optimum sound-to-audience alignment.

A 500-watt digital power amp drives the 15” neodymium subwoofer. The enclosure houses all the circuitry, including the 2x 200-watt digital power amps for the satellites.

The M20 pole mount ensures that the satellites are seated firmly without risk of wobbling or tipping.

Neodymium magnets lighten the load for utmost ease of use.
The Sound Sensation
Looking for something special in sound reinforcement? Do you wish to pamper your audience with unprecedented audio quality? Then opt for L.U.C.A.S IMPACT. It offers everything that has made L.U.C.A.S the solution of choice for small to medium-sized venues: compact components, fabulous handling ease and big, bold sound at every volume level.

A 700-watt digital power amp drives the 15" neodymium subwoofer. The enclosure houses all the circuitry, including the DDO™ Controller and the 2x 250-watt digital power amp for the satellites.

HK Audio DuoTilt™ makes the most of sonic energy. The tilt angles of 3° and 7° enables perfect speaker-to-audience alignment.

The ultra-light mid/high unit is equipped with an 8" neodymium speaker and a 1" compression driver with a 60° x 40° CD horn. The HK Audio DuoTilt™ 3/7 pole-mount cup is built into the base of the cabinet to allow for optimum sound-to-audience alignment.

- HK Audio DDO™ System Controller with 5 presets
- Two satellites outfitted with 8" neodymium speaker and 1" CD horn
- 700-watt digital power amp powers the 15" neodymium subwoofer
- 2x 250-watt digital power amps to drive the satellites
- MonoTilt™ for optimum sound-to-audience alignment
- 15" subwoofer in an enclosure factory-equipped with casters
- Total weight of the system: 47 kg/ 103 lbs.
Compact High Power

Would you agree that life is too short for compromises? Do you want big performance in a compact, easy-to-transport package? Then we have developed the right rig for you – L.U.C.A.S MAX. As compact as the inceptive L.U.C.A.S, but offering audio quality and headroom that put many a big rig to shame, L.U.C.A.S MAX pulls out all the stops when it comes to leading-edge technology.

To adapt the rig more easily to different applications and configurations, the DDO™ Controller of the L.U.C.A.S MAX offers 5 presets.

The ultra-light mid/high unit is equipped with a 10" neodymium Speaker and a 1" neodymium compression driver with a 60° x 40° CD horn.

L.U.C.A.S MAX Subwoofer: A real powerhouse package, the 15" neodymium subwoofer and the 1200-watt digital power amp that drives it to deliver peak performance.

- HK Audio DDO™ System Controller with 5 presets
- Two satellites with 10" neodymium speakers and a 1" driver CD horn
- 1200-watt digital power amp drives the 15" neodymium subwoofer
- 2x 400-watt digital power amps drive the satellites
- DuoTilt™ for optimum sound-to-audience alignment
- 15" subwoofer in an enclosure factory-equipped with casters
- Total weight of the system: 61 kg / 134.5 lbs.
The World’s Most Compact High-End PA

HK AUDIO charted new sonic territory with the L.U.C.A.S line. Now L.U.C.A.S ALPHA has arrived, bringing together the fabulous handling ease of L.U.C.A.S and the powerful performance of a big PA. And that makes this system a premium quality, cutting-edge sound reinforcement solution for bands and power DJs.

In a nutshell: Simply plug in, play, and enjoy jaw-dropping sound!

**L.U.C.A.S ALPHA**

- **HK Audio 56-Bit DDO™ System Controller**
- **Two satellites with a 12” neodymium speaker and 1.4” driver with a 40 x 60° BEM CD horn**
- **1200-watt digital power amp drives the 18” sub**
- **2x 400-watt digital power amps drive the satellites**
- **HK Audio DuoTilt™ 3/7 for optimum sound-to-audience alignment**
- **18” subwoofer in an enclosure factory-equipped with casters**
- **Total weight of the system: 96 kg / 211.6 lbs.**
When I began developing PA systems 30 years ago, I was an engineer driven by the desire to create the stuff of my dreams, a sound reinforcement system that perfectly matched my wishes as a musician. The Holy Grail audio system I wanted would have to sound great, adapt to changing demands for size and power, and set up in no time at all. The HK AUDIO ELEMENTS system marks a milestone in this quest for perfection. ELEMENTS is the first system to pair the benefits of modern line array technology with the convenience of ultra-compact portable PAs. With just six components, a few twists of the wrist, and a minute or two of your time, you can configure your system as anything from a small PA for speech reinforcement to a band-approved stage rig. And that frees you to focus completely on what’s elementary—your performance!

Dipl.-Ing. Lothar Stamer
However large your audience and venue may be, you can put together a system well-suited for every situation using ELEMENTS’ six components. The beauty of it is that you get a perfect match – mechanically, electrically, and acoustically – every time. You may opt for just two mid/high units for subdued background music. Or perhaps you need a powerful system with a solid bass foundation for your DJ gig or to rock out with your band. But whatever you want to do, ELEMENTS gets it done faster and easier than with any other system. Best of all, awesome audio results are assured - just like you have come to expect from HK AUDIO.
Get it right every time with six elements.

A true line array - greater range and uniform coverage all the way to the back row
Unlike conventional systems that lose 6 dB SPL when the distance doubles, line arrays lose only 3 dB. This is why ELEMENTS is able to spread sound pressure evenly from the first to the last row. The longer the array, the greater the range: ELEMENTS is the only system of its kind to be fully scalable, thereby achieving much greater reach than conventional speaker systems.

Precise coverage pattern - for greater speech intelligibility and less feedback
This system’s ability to project precisely at a 70° angle means you can aim its sound right at your audience without unwanted reflections from walls or windows. The result is more direct sound, a clearer sonic image, and less feedback.

Ultimate versatility - the only solution that adapts to every situation
ELEMENTS adapts to suit your needs – anytime and everywhere, with no compromises. Today ELEMENTS is a powerful PA for the town hall; tomorrow it’s an inconspicuous audio system for an elegant dinner party; on the weekend it’s a steel fist in a velvet glove, pairing a mighty sonic punch with a stylish look perfect for a sumptuous wedding reception. Just six elements are all it takes to put together the perfect solution for every scenario.

Remarkably small, light, and portable - incredibly quick to set up and transport
ELEMENTS sets up so very swiftly: Simply plug one component into the next and you’re ready to go. The robust, ultra compact elements weigh just a few kilograms. The days of breaking a sweat or wrenching your back are over. And even the largest ELEMENTS rig fits into a VW Golf.

E-Connect – a built-in signal bus sans speaker cords
E-Connect, an unprecedented coupler/ bus, lets you configure ELEMENTS far easier and quicker than conventional systems. Simply click the elements together (the signal bus is connected automatically), plug in your signal source, and let the show begin.
The six elements are fine-tuned for a perfect fit so you can mix and match them to configure 40 different setups. Anything goes, from a compact system for smaller events to an extended setup for an acoustic band and a mighty PA powerful enough for a cover band. ELEMENTS provides precisely what you need for every gig. You can easily combine your elements with those of a fellow musician, or simply leave part of the system at home when you’re off to a smaller gig. You can even split up a larger system to cover several neighboring rooms.

So ELEMENTS always offers the optimum sound reinforcement solution, a system whose elegant visuals and splendid sound never fail to impress. The rigs shown here are just a few of the many setups you can configure with ELEMENTS. To find your the perfect solution for your needs, visit your ELEMENTS dealer, check out the Online Configurator on the Web, or load our iPhone App.

ELEMENTS - the right solution at all times
**EF 45 – Base**
The base accommodates the mid/high units, amp module, and mounting pole. Its retractable and extendible feet ensure the mounted elements sit on a stable, secure platform.

**EA 600 – Poweramp**
Sharing the mid/high unit’s elegant design, the amp module is a perfect visual and mechanical match. Its 600-watt, Class-D power amp provides plenty of juice to drive four mid/high units, two mid/high units and a passive subwoofer or two subwoofers.

**E 110 Sub A – Powered Subwoofer**
The surprisingly handy 10” subwoofer delivers a tight, low-ranging bass foundation. Its 600-watt Class-D power amp can also drive two mid/high units or another passive subwoofer. Equipped with two E-Connect ports, the sub unit is placed horizontally or vertically to provide a base for further components. The carrying handle on the top panel makes it easy to tote.

**EP 1/EP 2**
These speaker poles unlike any others: They ensure simple, speedy setup for smaller configurations. Infinitely adjustable, they forward the signal to the mid/high units via their internal E-Connect coupler/bus – no speaker cords necessary.
**E 435 – Mid/High Unit**

Made of extruded aluminum and engineered with line array technology, the mid/high unit delivers homogeneous, natural-sounding response, rendering voices and instruments with astonishing authenticity. A new type of coupler/bus called E-Connect links it to the other elements, simply and quickly.

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**E 110 Sub – Passive Subwoofer**

This passive subwoofer is the perfect add-on for applications demanding even more powerful low-end response. It is powered by a connected E 110 Sub A or EA 600 amp module. It also sports an E-Connect port for mid/high units and the amp module.

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**Elements Soft Bag:** This padded bag accommodates any combination of four mid/high units or amp modules, for example, three mid/high units and one amp module. You can also easily tuck a speaker pole in the bag.

**Elements Subwoofer Cover:** Subwoofers are rarely handled with velvet gloves, so this cover provides twice the padding to protect active and passive subs especially effectively against damage in transit.

**Elements Base Bag:** The EF 45 base fits perfectly in this bag.
Enjoy the freedom and convenience that comes with a perfectly matched modular PA

Do you refuse to settle for anything less than crystal-clear, balanced sound and plenty of clean headroom? And do you want all this in a rig flexible enough to adapt to your changing demands? Well then, we have developed the PA for you – PREMIUM PR:O.

With a choice of fourteen meticulously matched models, each available in passive and powered versions, you have all the options you need to configure a PA to meet all your demands. And whatever rig you put together with PREMIUM PR:O series components, rest assured you will enjoy top-drawer audio performance.

PREMIUM PR:O keeps all your options open.

Add to your rig step by step, combine active and passive models, or leave the subwoofers at home for small pub gigs. Anything goes, because all PREMIUM PR:O cabinets right down to the subcompact PR:O 8 are bona fide fullrange systems* that deliver real bass response.

Discover the unique properties of the PREMIUM PR:O family now at your authorized HK AUDIO trader and put together the PA of your dreams!

*except the PR:O 18 S / PR:O 210 S
Ultra articulate, amazingly accurate response

Our engineers designed the PREMIUM PR:O line to pack a powerful sonic punch, respond accurately, and project a clear, finely contoured audio image even at impulse peaks. So you can rely on your EQ settings to deliver consistent performance even when volume levels vary markedly.

To achieve this ambitious goal, these seasoned sonic “solutioneers” first painstakingly selected and matched components, focusing on maximizing dynamic response and minimizing the 1” driver-and-horn unit’s harmonic distortion. Then applying all their considerable insight into crossovers they tweaked the transitional woofer-to-horn frequency range, to create a remarkably consistent and harmonic audio image.

On top of all that, they engineered the loudspeaker housings to add even more beef to the speakers’ brawny bass response. Far superior to other cabinet material in stiffness and internal damping, MDF renders bass impulses without energy loss, pumping out a dry, tightly focused signal.
The wide radius of the side panels—rounded edges minimize diffraction and support horizontal directivity, particularly in the middle and high frequency ranges.

Dynamic protection circuits keep the high-frequency horns in the fullrange models safe from harmful overloads.

The enclosures feature fully integrated ergonomic grips without projecting parts or screws.

The slanted inputs and outputs on passive models’ recessed connector panels protect cables and plugs.

M8 mounting bushings on all fullrange models enable easy and professional fixed installation.

An ingeniously simple idea proven in countless applications, the DuoTilt™ pole mount zeros enclosures in on audiences without the hassle and risk of wobbly tilt units.
PREMIUM PR:O Active:
Even greater convenience, flexibility, and sound

Tired of toting heavy power amp racks and fussing with outboard controllers and crossovers? Do you want to travel light, carry less cargo, and set up your rig with a few effortless twists of the wrists? Then check out the active versions of the PREMIUM PR:O line.

This line’s engine room is an ultra light power amp block featuring ultra efficient Class-D technology that delivers 600 watts yet remains phenomenally cool. Unbelievable but true, this cabinet weighs just a couple of pounds more than its passive cousins! Having all the power circuitry on board means more than mere convenience. Our engineers were able to select and match every component in the signal chain, and then fine-tune the circuitry to suit the speakers for best response and reliability. Every enclosure apart from the PR:O 12 MA and the two subwoofers features a fully adjustable Tone Control that adapts it to the given sound reinforcement demands. The PR:O 18 Sub A / PR:O 210 Sub A ships with a variable crossover.

Another passive speaker may be connected to each PREMIUM PR:O active model (except PR:O 18 Sub A / PR:O 210 Sub A). This is an extraordinary feature rarely found on other cabinets in this class. With appointments such as this and its ability to flexibly serve the user’s changing needs, the PREMIUM PR:O modular system stands apart from all other ranges of speaker cabinets.
This 8”/1” fullrange enclosure delivers awesome bass response and exceptionally high SPL for its size. Its manageable format and included mounting hardware also make it an excellent choice for fixed installations. The active PR:O 8 A model comes with onboard circuitry that delivers 600 watts and a Speakon port that accepts an added passive cab.

This remarkably versatile 10”/1” enclosure can serve as a satellite, a fullrange cabinet, and a low-profile wedge monitor. The Music/Speech knob adjusts its finely balanced and therefore feedback-resistant frequency response to suit the given application. All this and an onboard power amp make the PR:O 10 XA a very flexible sound reinforcement tool indeed.

A fullrange enclosure in classic 12”/1” format, this cab’s balanced sonic image, speech intelligibility, and high SPL are certainly impressive. It is the perfect satellite for the PR:O 18 S. The PR:O 12 A also features 600 watts power circuitry and a Speakon port for connecting a passive auxiliary cabinet.

Remarkably portable, handy, and versatile, this subwoofer weighs no more than 26 kg. The two high-grade 10” speakers deliver a powerful low-end punch and allow an outstanding small footprint. Both, the passive as well as the powered version feature a system crossover that makes the PR:O 210 S the perfect low-end reinforcement for all PREMIUM PR:O satellites.

Sporting an 18” woofer in a bass reflex housing, this bin builds a rock-solid bass foundation for every sound system. The specially designed crossover feeds the correct frequencies to the mid-/high-range unit connected via the Satellite Out. The active PR:O 18 Sub A model comes with 600 watts power circuitry and an active stereo crossover facilitating combinations with powered satellites.

Examples with mixer and external amping
This high-quality 12”/1” stage monitor provides especially assertive voice and instrument reinforcement. The active PR:O 12 MA also sports 600 watts power circuitry and a Speaker Out for another passive monitor cabinet, two features that make setting up a large monitoring system easy and affordable.

Sporting a 15” woofer, this cab delivers performance on par with the PR:O 12, plus enhanced low-midrange and bass response compared. And that makes it a great choice for standalone deployment without a subwoofer. The active PR:O 15 A model also features 600 watts power circuitry and a Speakon port designed to accept a passive auxiliary cabinet.

This bi-functional 15”/1” cabinet delivers powerful low-end response and high SPL. Remarkably feedback resistant and amazingly articulate, it also serves users well as a monitor. The active PR:O 15 XA model ships with 600 watts power circuitry and a Speakon port serving to connect a passive auxiliary cabinet.

Example without mixer

Example with power mixer

Example with mixer

= active speaker
= passive speaker
= speaker cable
= signal cable
Every note is on the money, each instrument sounds sweet. The band is well-rehearsed, tight like clockwork, and ready to strut its stuff in front of their faithful fans. After all, the goal of every band is to pull off a successful gig, play for an enthusiastic audience, and enjoy the pay-off for all their efforts.

But the line between glee and gloom is thin. Among all the potential fun-killers at gigs, the sound system is by far the most common culprit. Hauling it demands brute force, and making sense of what seems like miles of cable demands patience. Often, despite an epic-length sound check, the system still fails to deliver decent sound. As if that weren’t enough, the band is expected to play soothing background music during the cocktail hour, and then kick out the jams for a blowout bash to follow. Many systems for bands are heavy, hard to set up, and complicated. Racks, power amps, cords, speaker stacks—even with all this, it only manages to sound decent at a medium volume level. Turn it up and the sound soon grates; back it off and it turns thin and puny.
HK AUDIO systems are designed to deliver full-spectrum sound that uniformly maintains punch and dynamics all across the board from soft to loud. These systems are remarkable in the amount of effective sound pressure levels they produce; which is another way of saying that each system always delivers optimal sound right up to peak volume. Even without constantly tweaking knobs, HK AUDIO systems consistently sound full and rich.

Compact housings to facilitate transportation, integrated electronics to simplify set-up, and smart circuits to streamline handling: These features make life easier for every band, freeing musicians to focus on the essentials: their music and their audience.

The following features are integrated into our Active Systems:

**DDO™ Controller:** Compensates for dynamic distortion to provide natural sound from a whisper to a roar

**Equalizer:** Modifies the entire system's frequency response

**Active Crossover:** Cleanly splits the input signal into low and high ranges with no signal loss

**Limiter:** Protects speakers from overloading

**Separate high-performance bass and mid/high-range power amps:** Deliver assertive and dynamic natural-sounding response
The revolutionary DDO™ controlling delivers awesome punch and natural sound replete with crystal-clear transparency at high levels and plenty of warmth and fullness at even the lowest volumes.

- ACTOR DX

M8 rigging points are integrated for easy installation.

- ELIAS PX
- ESYS EPX

HK Audio DuoTilt™ makes the most of the system’s sonic energy. With two different tilt angles of 3° and 7° to choose from, you can aim the speakers directly at your audience.

- ELIAS PX
- ESYS EPX
- ACTOR DX

The optional Tilt Unit™ is available to better align mid/high units towards the audience. Tilt angles of 5°, 10° and 15° may be selected.

- ACTOR DX
- ESYS EPX
- PROJECTOR

Practical features make the musician’s life easier and more enjoyable.
The Versatile Workhorse

A pub gig today, a show in a small art theater tomorrow, and another event on the stage of the town fair on the weekend—no sweat with ELIAS PX. Equipped with a controller, crossover and power amp, every speaker unit in the ELIAS PX system is a stand-alone solution that does not require a central system controller to operate. This affords you greater independence and flexibility to adapt your rig to suit the situation: leave the bass bins behind for smaller gigs, and bring them along for bigger venues.

These enclosures are loaded with a 12” HK AUDIO Custom Speaker and a 1” compression driver feeding a 60° x 40° CD horn to render the mid-to-high-frequency range. The integral power amp delivers 400 watts and the HK Audio DuoTilt™ pole mount allows sound energy to be utilised far more efficiently.

The ELIAS PX Sub A is equipped with a direct-loaded 15” woofer. Its integral circuitry and 400-watt power amp deliver clean, powerful bass response. And courtesy of its rugged 100-mm casters, the EPX 115 Sub A serves as a perfectly convenient dolly for the mid/high units.

HK Audio DuoTilt™ makes the most of the system’s sonic energy. With two different tilt angles of 3° and 7° to choose from, you can aim the speakers directly at your audience. Listeners are treated to a clear, tightly focused sonic image.

A touch of a button transforms the satellite from a mid/high unit into a full-range cabinet that renders lower frequencies as well, making it the perfect solution for rehearsal rooms and smaller venues.

- Two 12”/1” satellites with integral 400-watt RMS power amp and opto-limiter
- Two 15” subwoofers with integral 400-watt RMS power amp and DynaClip™ limiter
- Satellite features the DuoTilt™ pole mount
- Two 12”/1” satellites with integral 400-watt RMS power amp and opto-limiter
- Two 15” subwoofers with integral 400-watt RMS power amp and DynaClip™ limiter
- Satellite features the DuoTilt™ pole mount
- Integral rigging points
- Subwoofer features the M20 pole mount
- Subwoofer factory-equipped with 100-mm casters
Tower of Power

ESYS EPX is a sound system engineered to delight every top 40-band. Easy to transport, it sets up and tears down in just a few minutes. And as far as mains power goes, a little goes a long way. This rig delivers lots of power without overloading small venues’ power supplies. And courtesy of its very forgiving voicing, sound-checks have never been easier or more enjoyable.

This 12"/1"-loaded fullrange cabinet renders mid-range and high-range frequencies. The integrated 400-watt RMS power amp drives a 1" CD horn with 60° x 40° directivity.

Loaded with a 15" woofer, this bass bin renders even the lowest frequencies. Its direct-radiating design ensures the transition to the low mids sounds amazingly natural and realistic. The 400-watt RMS power amp packs a heavyweight punch, delivering fat, undistorted low end and plenty of sound pressure to boot.

A touch of a button transforms the satellite from a mid/high unit into a full-range cabinet that renders lower frequencies as well, making it the perfect solution for rehearsal rooms and smaller venues.

The ESYS Tilt Plate (3°, 7°) lets you align speakers precisely to your audience.

Subwoofers come factory-equipped with 100 mm casters for utmost transportation ease.

- Two 12"/1" satellites with integral 400-watt RMS power amp and opto-limiter
- Integral rigging points
- Subwoofer features the M20 pole mount
- Four 15" subwoofers with integral 400-watt RMS power amp and DynaClip™ limiter
- Subwoofer factory-equipped with 100-mm casters
The new Dimension in Performance

Experience has taught us that a digital controller can only prompt the system to deliver premium performance if that system is endowed with high-quality components. This is why we engineered every ACTOR DX setup to deliver state-of-the-art sonic results even without the benefit of a controller. Add DDO™ controlling to the audio equation, and what is already very good sound is transformed into an unsurpassed sonic sensation.

The ADX 112A mid/high unit is equipped with a 12" HK Audio custom speaker and a 1.4" compression driver feeding a 60° x 40° CD horn. The onboard digital power amp delivers 600 watts, while the DDO™ controller provides selectable presets ensuring outstanding sound for every occasion.

The 56-bit DDO™ Controller features eight presets that quickly adapt the rig to different scenarios:

- Mute
- Top Only
- Half Stack DJ
- Half Stack Band
- Full Stack DJ
- Full Stack Band
- 2 x Stack DJ
- 2 x Stack Band

A backlit display makes operation easy even on dark stages.

ACTOR DX’s integral HK Audio DuoTilt™ makes it easy to align the cabinet directly toward the audience, offering choices of 3° or 7° tilt angles.

The ACTOR DX rigging frame enables the mid/high unit to be flown from a truss. Half-couplers, brackets or TV spigots may be used to attach enclosures.

- HK Audio DDO™ System Controller with 8 presets
- Four 15" subwoofers with 1000-watt digital power amp and Output jack for connecting a passive auxiliary bass bin
- Ergonomically shaped handles, 100 mm casters

- Two 12"/1.4" mid/high unit with 600 watts digital power amp
- Mid/high units with DuoTilt™ and optional rigging points
Transparent Sound Projection, all the Way to the Last Row

Brawny enough for big bass sounds yet ultra-responsive for rendering fine dynamic details, four horn-loaded 18” subwoofers with 600 watts RMS each pack a mighty low-end punch, even over longer distances. Courtesy of a 12” speaker and 2” driver combination, the horn-loaded mid/high unit ensures complex signals remain clean and articulate all the way to the back row.

The fully horn-loaded mid/high unit is equipped with a 12” HK Audio speaker and a coaxially arrayed 2” compression driver feeding a 60° x 40° CD horn. The bi-amped power amp delivers 2x 300 watts output.

Packing the powerful punch of a horn-loaded 18” woofer, every PROJECTOR subwoofer delivers considerable low-end sound pressure, even across greater throw distances. Though the subwoofers are identical in all other respects, Sub 1 is constructed as a mirror image of Sub 2 to form a large low-frequency horn together. And that spells even greater bottom-end sound pressure and throw range.

Sub 1 is constructed as a mirror image of Sub 2 to form a large low-frequency horn together. And that spells even greater bottom-end sound pressure and throw range.

Fully horn-loaded system comprising four subwoofers and two mid/high units

12”/2” mid/high unit with opto-limiter

18” sub with 600-watt RMS power amp with DynaClip™

3-way active circuitry with OFR™ technology

Flyable mid/high units with selector for Medium-Throw and Long-Throw equalization

Locking PowerCon mains connector

An optional PROJECTOR Tilt Unit is available to better align mid/high units towards the audience. Tilt angles of 5°, 10° and 15° may be selected.

All PROJECTOR components are equipped with 80 mm casters for effortless transport.
The Systems Guide is here to help you choose the system that is right for you. Audience and venue size, style of music and type of performance, and application scenarios – all these factors figure prominently in your decision.
Sometimes you just need more: More bass because the venue is bigger. More monitors because the band has grown. More speakers because you have to cover neighboring rooms too.

So when the time comes that you do need more, look no further than these flexible HK AUDIO solutions. Equipped with all the hardware you could wish for, they offer the right connector for every task. The power circuitry is on board, so there’s no need for additional power amp racks. And their audio qualities instantly enrich every legacy system.
The most powerful active sub-bass bin in its class

With a whopping 1200 watts of Class D-driven output, the XBA 18 is the most powerful active subwoofer in its class. Equipped with analog preamp circuitry offering a variable crossover frequency and a phase-invert switch, the XBA 18 readily adapts to any existing system, without tweaking and tuning hassles. The XBA 18 is the sub-bass enhancement of choice for bands and power DJs seeking a big low-end boost from a powerful, easy-to-use bass bin.

The analog preamp features an onboard active stereo crossover, making it very easy to dock this bin onto existing systems.

The XBA 18 comes factory-equipped with 100 mm casters for convenient transportation.

XBA 18 features an integral M20 pole-mount collar on top, and additional handles on the side.

- Power output: 1200 watts Class D
- Analog preamp with an active crossover (60 - 100 Hz), Phase Invert switch, and Stereo In with stereo-to-mono summation
- Gain knob to match signal level to other systems
- Connections: 2x Line In, 2x Through
- 1x 18” high-performance woofer with a 4” voice coil
- Pole mount: M20 threaded base plate
- Weight: 55.5 kg / 122 lbs.
Active High-Class Monitoring

D.A.R.T packs a high-quality preamp, controller, active crossover, two power amps, a 12" speaker and a 1" CD horn in a compact, low-profile monitor housing. With HK Audio OFR™ technology on board, these enclosures project extraordinarily rich, transparent sound, even at very high levels. And their remarkably linear frequency response enables high volumes with reduced feedback sensitivity. Though D.A.R.T has been optimised for use as a stage monitor, its multi-functional housing shape and the integrated DuoTilt™ pole-mount cup allow it to be used for additional applications.

- 2-way active bi-amped circuitry with OFR™ technology
- 1" CD horn with 60-watt power amp
- 12" woofer with 250-watt digital power amp
- Multi-band limiter
- 2-band EQ (High/Low)
- XLR Mic Input and Line Input (with additional RCA Input), independent Gain controls
- HK Audio DuoTilt™ 3/7

HK Audio DuoTilt™ makes the most of all the available sonic energy. Two tilt angles of 3° and 7° enable precise speaker-to-audience alignment.

D.A.R.T offers two independently adjustable XLR Mic and Line inputs, and a dual-band voicing section.

Digital power amp: With an extremely high efficiency rating, it is considerably lighter and more compact than conventional amp modules.
The Right Sound Tool, every Time and all the Time

You know the score: Today it’s a band gig in a small venue, tomorrow it will be an acoustic duo in the pub, next week a speech at some association’s anniversary, soon the stage monitoring at this summer’s open-air festival, and much later public address at the Christmas fair. It’s the same old song and dance: You’re back to borrowing a system because the one you have is not good enough or too complicated, too inflexible, too small, or too large. At long last, F.A.S.T puts the right tool for every occasion into your hands. It’s so very compact that it’s a pleasure to set up even when you’re on your own. Yet it’s sizable enough to deliver full, fat sound.

F.A.S.T’s multifunctional housing makes it a top-flight stage monitor.

- 1" 60° x 40° CD horn / 12" Low/mid woofer
- 300-watt power amplifier
- XLR microphone input
- XLR / 1/4" combo connector for line signals
- DynaClip™ limiter
- OFR™ technology
- Subsonic filter
- HK Audio DuoTilt™ 3/7
- Multi-functional housing design
L.U.C.A.S SMART Add-On Package

The L.U.C.A.S SMART Add-On Package comprises two aluminum speaker stands designed specifically for the system. They come in a practical carrying bag, along with two cables for connecting the satellites to the subwoofer.

L.U.C.A.S SMART Wall Mount

With this stylish black wall-mount, L.U.C.A.S SMART systems are a breeze to install. The integrated ball joint facilitates optimum satellite-to-audience-alignment.

L.U.C.A.S SMART Trolley

This roller bag is your ticket to easy load-in and-out, and reliable protection on the way. Rolling the system easily and conveniently to and from venues, it breaks down into two small parts for transport in a car.

HK Audio Speaker Stand Add-On

The ideal accessory kit for satellite and full-range speakers, the Speaker Stand Add-On Package comes with two aluminum tripod stands and two 7-metre long speaker cables with Speakon connectors. A practical nylon carry bag rounds out the package. Recommended for systems such as L.U.C.A.S PERFORMER, L.U.C.A.S IMPACT, L.U.C.A.S MAX, L.U.C.A.S ALPHA, D.A.R.T, and F.A.S.T.

HK Audio Satellite Add-On M20 Speakon®

A special accessory kit for deploying satellite speakers and subwoofers on M20 poles, the Satellite Add-On Package includes two aluminum mounting poles and two 3-meter long speaker cables for Speakon connectors, all packed away neatly in a nylon carrying bag. Recommended for systems such as PREMIUM PR:O.

HK Audio Satellite Add-On M20 XLR

A special accessory kit for deploying active satellite systems using M20 poles, the Satellite Add-On Package comprises two aluminum mounting poles and two 3-metre long XLR cables in a nifty nylon carrying bag. Recommended for systems such as E.L.I.A.S PX, ESYS EPX.

HK Audio Speaker Stand Add-On M20 Connectors

The ideal accessory kit for satellite and full-range speakers, the Speaker Stand Add-On Package comes with two aluminum tripod stands and two 7-metre long speaker cables with Speakon connectors. A practical nylon carry bag rounds out the package. Recommended for systems such as L.U.C.A.S PERFORMER, L.U.C.A.S IMPACT, L.U.C.A.S MAX, L.U.C.A.S ALPHA, D.A.R.T, and F.A.S.T.

Original HK Audio Accessories
ACTOR DX / ESYS EPX Tilt Unit™

Used in combination with the built-in HK Audio DuoTilt™, the optional Tilt Units let you aim mid/high units at a downward angle of 7.5° or 15° to make the most of sonic energy and indulge every listener in the house with clean, focused and punchy sound.

PROJECTOR Tilt Unit™

The Tilt Unit is a practical tool enabling stacked PROJECTOR mid/high units (standing on the subwoofers) to be aimed for optimum coverage of the audience area. This ensures energy generated by the system is exploited efficiently. The PROJECTOR Tilt Unit offers three tilt angles of 5°, 10° and 15°.

PREMIUM PR:O Rain gear

Wearing their new „raincoats,” your loudspeaker cabinets are pre-eminently equipped to handle damp weather outdoors. Shrouded in them as transport covers, your PREMIUM PR:O cabinets will be well protected on the way to the gig. And in case the weather decides not to cooperate, just leave the cabinet inside the cover. The acoustic fleece lets the sound come through while keeping the dampness out, so that your cabinet suffers no damage.

HK AUDIO Protective Covers

Tailored protection for your HK Audio Active System: Made of water-repellent, extremely tear-resistant nylon, these thickly padded covers afford excellent protection for the PA en route to and from gigs. With slots providing easy access to the handles of all the cabinets, the enclosures may be carried with the covers on. Zip-fasteners seal the top unit cover completely.

ACTOR DX Rigging Frames

These rigging frames let you fly ACTOR DX mid/high units from a truss. Half-couplers, brackets or TV spigots may be used to attach enclosures.
# L.U.C.A.S Active Systems

## Technical Specifications

<table>
<thead>
<tr>
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<tr>
<td>Power-handling nominal</td>
<td>400 W RMS</td>
<td>400 W RMS (130 Hz low cut)</td>
<td>250 W RMS</td>
<td>200 W RMS</td>
<td>80 W RMS</td>
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<tr>
<td>Frequency response +/- 3 dB***</td>
<td>85 Hz – 19 kHz</td>
<td>120 Hz – 19 kHz</td>
<td>130 Hz – 19 kHz</td>
<td>130 Hz – 19 kHz</td>
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<td>Frequency response -10 dB***</td>
<td>105 dB</td>
<td>104 dB</td>
<td>103 dB</td>
<td>102 dB</td>
<td>97 dB</td>
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<tr>
<td>Axial sensitivity W/1m ◊</td>
<td>129 dB@10% THD</td>
<td>126 dB@10% THD</td>
<td>125 dB@10% THD</td>
<td>124 dB@10% THD</td>
<td>115 dB@10% THD</td>
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<td>Maximum SPL @1m ◊</td>
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<td>-</td>
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<tr>
<td>Low/midrange amplifier</td>
<td>-</td>
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<tr>
<td>Mid/high range amplifier</td>
<td>-</td>
<td>-</td>
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<td>-</td>
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<tr>
<td>Active protective circuitry</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Nominal impedance</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>4 ohms</td>
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<td>Connections</td>
<td>1x Speakon® NL 4</td>
<td>1x Speakon® NL 4</td>
<td>1x Speakon® NL 4</td>
<td>1x Speakon® NL 4</td>
<td>1x Speakon® NL 4</td>
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<tr>
<td>Midrange woofer</td>
<td>1x 12” Neodymium</td>
<td>1x 10” Neodymium</td>
<td>1x 8” Neodymium</td>
<td>1x 8” Neodymium</td>
<td>1x 6.5”</td>
</tr>
<tr>
<td>Tweeter/driver</td>
<td>1,4”</td>
<td>1”</td>
<td>1”</td>
<td>1”</td>
<td>1” Dome Tweeter</td>
</tr>
<tr>
<td>Directivity</td>
<td>60° x 40° BEM CD horn</td>
<td>60° x 40° CD horn</td>
<td>60° x 40° CD horn</td>
<td>60° x 40° CD horn</td>
<td>80° x 50°</td>
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<td>Crossover frequency</td>
<td>1,2 kHz, 12 dB/ Octave</td>
<td>2,2 kHz, 12 dB/ Octave</td>
<td>2,2 kHz, 12 dB/ Octave</td>
<td>2,4 kHz, 12 dB/ Octave</td>
<td>3 kHz, 12 dB/ Octave</td>
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<tr>
<td>HF protection (passive)</td>
<td>-</td>
<td>-</td>
<td>Dyn. protection circuit</td>
<td>Dyn. protection circuit</td>
<td>Dyn. protection circuit</td>
</tr>
<tr>
<td>Pole mount</td>
<td>DuoTilt™ 3°/7°, 36 mm</td>
<td>DuoTilt™ 3°/7°, 36 mm</td>
<td>MonoTilt™ 10°, 36 mm</td>
<td>MicroTilt™ 10°, 15 mm</td>
<td></td>
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<tr>
<td>Dimensions (WxHxD)</td>
<td>40 x  54,5 x  37 cm</td>
<td>31,5 x 49 x 32 cm</td>
<td>26 x 38,5 x 28,5 cm</td>
<td>18,5 x 27,5 x 21,5 cm</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>19 kg / 41 lbs.</td>
<td>11 kg / 24,3 lbs.</td>
<td>7,5 kg / 16,5 lbs.</td>
<td>7,2 kg / 15,8 lbs.</td>
<td>4,5 kg / 9,9 lbs.</td>
</tr>
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</table>

## Subwoofer Specifications

<table>
<thead>
<tr>
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<tr>
<td>Frequency response +/- 3 dB***</td>
<td>37 Hz - 130 Hz</td>
<td>40 Hz - 130 Hz</td>
<td>45 Hz - 130 Hz</td>
<td>47 Hz - 130 Hz</td>
<td>43 Hz - 100 Hz</td>
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<tr>
<td>Frequency response -10 dB***</td>
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<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>Axial sensitivity W/1m ◊</td>
<td>100 dB</td>
<td>101 dB</td>
<td>101 dB</td>
<td>101 dB</td>
<td>97 dB</td>
</tr>
<tr>
<td>Maximum SPL @1m ◊</td>
<td>130 dB@10%THD</td>
<td>130 dB@10%THD</td>
<td>128 dB@10% THD</td>
<td>126 dB@10% THD</td>
<td>118 dB@10% THD</td>
</tr>
<tr>
<td>Subwoofer amplifier</td>
<td>1x 1,200 W / Class D</td>
<td>1x 1,200 W / Class D</td>
<td>1x 700 W / Class D</td>
<td>1x 500 W / Class D</td>
<td>1x 250 W / Class D</td>
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<tr>
<td>Sat &amp; Mid/High Unit amp</td>
<td>2x 400 W / Class D</td>
<td>2x 400 W / Class D</td>
<td>2x 250 W / Class D</td>
<td>2x 200 W / Class D</td>
<td>2x 80 W</td>
</tr>
<tr>
<td>Active protective circuits</td>
<td>DDO™ controller, Multiband limiter</td>
<td>DDO™ controller, Multiband limiter</td>
<td>DDO™ controller, Multiband limiter</td>
<td>Multiband limiter</td>
<td>Multiband limiter</td>
</tr>
<tr>
<td>Connections</td>
<td>2x XLR In combin. jack, 2x XLR Thru, 1x XLR External Sub Out</td>
<td>2x XLR In combin. jack, 2x XLR Thru, 1x XLR External Sub Out</td>
<td>2x XLR In combin. jack, 2x XLR Thru, 1x XLR External Sub Out</td>
<td>2x XLR In combin. jack, 2x XLR Thru, 1x XLR External Sub Out</td>
<td>2x XLR In combin. jack, 2x XLR Thru, 1x XLR External Sub Out</td>
</tr>
<tr>
<td>Subwoofer</td>
<td>1x 18°</td>
<td>1x 15°</td>
<td>1x 15°</td>
<td>1x 15°</td>
<td>1x 10°</td>
</tr>
<tr>
<td>Pole mount</td>
<td>M20 threaded base plate</td>
<td>M20 threaded base plate</td>
<td>M20 threaded base plate</td>
<td>M20 threaded base plate</td>
<td>-</td>
</tr>
<tr>
<td>Dimensions (WxHxD)</td>
<td>53 x  63,5 x  68,5 cm **</td>
<td>48,5 x 49,5 x 58,5 cm **</td>
<td>47,5 x 47 x 58,5 cm **</td>
<td>47,5 x 47 x 58,5 cm **</td>
<td>32 x 41 x 46,5 cm</td>
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<tr>
<td>Weight</td>
<td>58 kg / 127,6 lbs.</td>
<td>39 kg / 86 lbs.</td>
<td>32 kg / 74,4 lbs.</td>
<td>29,5 kg / 64,9 lbs.</td>
<td>21 kg / 46,2 lbs.</td>
</tr>
</tbody>
</table>

*) all specifications indicate half-space measurements  **) dimensions including casters  ***) active crossover activated
### ELIAS EPX 112 A
- 130 Hz – 19 kHz
- 80 Hz – 19 kHz (Fullrange)
- 104 dB
- 128 dB@10% THD
- 1x 400 W RMS
- Opto limiter
- Subsonic filter
- 1x XLR In, 1x XLR Through
- 1x 12”
- 60° x 40° CD horn
- 70° horizontal
- 39 x 45 x 58,5 cm
- 22 kg / 48,5 lbs.

### ACTOR ADX 112 A
- 130 Hz – 19 kHz
- 80 Hz – 19 kHz (Fullrange)
- 104 dB
- 128 dB@10% THD
- 1x 400 W RMS
- Opto limiter
- Subsonic filter
- 1x XLR In, 1x XLR Through
- 1x 12”
- 60° x 40° CD horn
- 70° horizontal
- 39 x 45 x 58,5 cm
- 22 kg / 48,5 lbs.

### PROJECTOR Mid/High
- 120 Hz – 19 kHz
- 131 dB@10% THD
- 1x 300 W RMS
- Opto limiter
- 1x XLR Sub Out
- 1x 12”
- 2" (E-Connect in)
- 39 x 55 x 42 cm
- 32 kg / 70,6 lbs.

### ELIAS EPX 115 Sub A
- 48 Hz - 130 Hz
- 104 dB
- 126 dB@10% THD
- 1x 400 W RMS
- DynaClip™
- 15 x 23 x 18”
- 22 kg / 48,5 lbs.

### ACTOR ADX 115 Sub A
- 48 Hz - 130 Hz
- 104 dB
- 126 dB@10% THD
- 1x 400 W RMS
- DynaClip™
- 15-1/4 x 25-5/8 x 16-1/2”
- 2,35 kg / 5,2 lbs.

### PROJECTOR Sub 1/Sub 2
- 1x 12”
- 1x 12”
- 1" (E-Connect in)
- 11 x 38*** x 12 cm
- 2,75 kg / 6,1 lbs.

### ELIAS EPX 115 Sub B
- 48 Hz - 130 Hz
- 1x 250 W / Class D @ 10 Ohm
- DynaClip™
- 1x 10" (E-Connect)
- 30 x 48 x 46 cm
- 16,5 kg / 36,4 lbs.

### ACTOR ADX 115 Sub B
- 48 Hz - 130 Hz
- 1x 250 W / Class D @ 8 Ohm
- DynaClip™
- 1x 10" (E-Connect)
- 30 x 48 x 46 cm
- 16,5 kg / 36,4 lbs.

### E 435 Mid/High Unit
- 150 W RMS
- 140 Hz – 20 kHz
- 97 dB
- 16 Ohm
- 1x 250 W / Class D @ 10 Ohm
- 4x 3,5” broad band
- 70° horizontal
- 11 x 38*** x 12 cm
- 2,35 kg / 5,2 lbs.

### E 110 Sub A
- 45 Hz – 150 Hz
- 1x 250 W / Class D @ 10 Ohm
- 1x 300 W / Class D @ 10 Ohm
- 1x E-Connect out
- 4x 15" (E-Connect)
- 30 x 48 x 46 cm
- 16,5 kg / 36,4 lbs.

### E 110 Sub
- 45 Hz – 150 Hz
- 1x 250 W / Class D @ 10 Ohm
- 1x 300 W / Class D @ 8 Ohm
- 1x E-Connect out
- 1x Pole mount (E-Connect)
- 30 x 48 x 46 cm
- 11-13/16 x 18-7/8 x 18-1/8”
- 16,5 kg / 36,4 lbs.

### ELEMENTS
- **EA 600 Poweramp**
  - Continuous power EIA:
  - 600 W Class D@ 4 ohms
  - Input sensitivity:
    - +4 dBu / -10 dBu (switchable)
  - Active protective circuitry
  - RMS limiter
  - Protection: DC, imped., temp monitoring
  - Filter:
    - Subsonic filter, system filter quadruplicate****
  - Cooling: fan, temperature controlled
  - Connections:
    - 1x E-Connect in, 1x E-Connect out
    - 1x XLR In combin. jack, XLR Out, 1x Speakon Parallel Out.
    - 1x E-Connect out
  - **EF 45 Base**
    - Dim. (WxHxD): 35–45 x 31 x 12,5 cm
    - Weight: 7,7 kg / 16,9 lbs.
  - **EP 1 Pole Mount**
    - Dim. (WxHxD): 94 x 3,5 x 3,5 cm
    - Weight: 0,8 kg / 1,8 lbs.
  - **EP 2 Pole Mount**
    - Dim. (WxHxD): 45 x 3,5 x 3,5 cm
    - Weight: 0,45 kg / 1 lbs.

---

*) all specifications indicate half-space measurements
**) dimensions including casters
***) excluding E-Connect coupler dimension
****) number of connected Mid/ High-Units in one line
***** active crossover activated
### PREMIUM PR:O passive

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Frequency response +/- 3 dB</td>
<td>89 Hz – 19 kHz</td>
<td>95 Hz – 19 kHz</td>
<td>68 Hz – 19 kHz</td>
<td>70 Hz – 19 kHz</td>
<td>60 Hz – 19 kHz</td>
<td>60 Hz – 19 kHz</td>
</tr>
<tr>
<td>Frequency response -10 dB</td>
<td>63 Hz – 19 kHz</td>
<td>80 Hz – 19 kHz</td>
<td>60 Hz – 19 kHz</td>
<td>63 Hz – 19 kHz</td>
<td>53 Hz – 19 kHz</td>
<td>53 Hz – 19 kHz</td>
</tr>
<tr>
<td>Maximum SPL @1m ⁰</td>
<td>122 dB</td>
<td>126 dB</td>
<td>128 dB</td>
<td>128 dB</td>
<td>128 dB</td>
<td>128 dB</td>
</tr>
<tr>
<td>Axial sensitivity 1W@1m ⁰</td>
<td>97 dB</td>
<td>99 dB</td>
<td>104 dB</td>
<td>104 dB</td>
<td>104 dB</td>
<td>104 dB</td>
</tr>
<tr>
<td>Power-handling, peak</td>
<td>1200 W</td>
<td>1200 W</td>
<td>1200 W</td>
<td>1200 W</td>
<td>1200 W</td>
<td>1200 W</td>
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<tr>
<td>Power-handling, program</td>
<td>600 W</td>
<td>600 W</td>
<td>800 W</td>
<td>800 W</td>
<td>800 W</td>
<td>800 W</td>
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<tr>
<td>Power-handling, nom. (RMS)</td>
<td>300 W</td>
<td>300 W</td>
<td>400 W</td>
<td>400 W</td>
<td>400 W</td>
<td>400 W</td>
</tr>
<tr>
<td>Speaker</td>
<td>Bass / Mid</td>
<td>8”</td>
<td>10”</td>
<td>12”</td>
<td>12”</td>
<td>15”</td>
</tr>
<tr>
<td></td>
<td>HF horn</td>
<td>1”</td>
<td>1”</td>
<td>1”</td>
<td>1”</td>
<td>1”</td>
</tr>
<tr>
<td>Impedance</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
</tr>
<tr>
<td>HF protection (passive)</td>
<td>Dyn. protection circuitry</td>
<td>Dyn. protection circuitry</td>
<td>Dyn. protection circuitry</td>
<td>Dyn. protection circuitry</td>
<td>Dyn. protection circuitry</td>
<td>Dyn. protection circuitry</td>
</tr>
<tr>
<td>Horn characteristics</td>
<td>80° x 80° CD horn</td>
<td>90° x 60° CD horn</td>
<td>60° x 40° CD horn</td>
<td>60° x 40° CD horn</td>
<td>60° x 40° CD horn</td>
<td>60° x 40° CD horn</td>
</tr>
<tr>
<td>Crossover frequency</td>
<td>2.5 kHz,12 dB/oct.</td>
<td>2.2 kHz,12 dB/oct.</td>
<td>2 kHz,12 dB/oct.</td>
<td>2 kHz,12 dB/oct.</td>
<td>2 kHz,12 dB/oct.</td>
<td>2 kHz,12 dB/oct.</td>
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<tr>
<td>Connections</td>
<td>2x Speakon</td>
<td>2x Speakon</td>
<td>2x Speakon</td>
<td>2x Speakon</td>
<td>2x Speakon</td>
<td>2x Speakon</td>
</tr>
<tr>
<td>Angles up</td>
<td>Mono Tilt™</td>
<td>Mono Tilt™ 3°/7°, 36 mm</td>
<td>Mono Tilt™ 3°/7°, 36 mm</td>
<td>Mono Tilt™ 3°/7°, 36 mm</td>
<td>Mono Tilt™ 3°/7°, 36 mm</td>
<td>Mono Tilt™ 3°/7°, 36 mm</td>
</tr>
<tr>
<td>Pole mount</td>
<td>3x M8</td>
<td>3x M8</td>
<td>3x M8</td>
<td>3x M8</td>
<td>3x M8</td>
<td>3x M8</td>
</tr>
<tr>
<td>Rigging points</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dimensions (WxHxD)</td>
<td>27 x 42 x 27 cm</td>
<td>32 x 48 x 29 cm</td>
<td>39 x 57 x 36 cm</td>
<td>39 x 55,5 x 38 cm</td>
<td>47 x 61,5 x 41,5 cm</td>
<td>47 x 61,5 x 44,5 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>10 kg / 22 lbs.</td>
<td>12,9 kg / 28.4 lbs.</td>
<td>18,5 kg / 40.8 lbs.</td>
<td>16,1 kg / 35.5 lbs.</td>
<td>22,5 kg / 49.6 lbs.</td>
<td>21,4 kg / 47.2 lbs.</td>
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### PREMIUM PR:O active

<table>
<thead>
<tr>
<th></th>
<th>PR:O 8 A</th>
<th>PR:O 10 X A</th>
<th>PR:O 12 A</th>
<th>PR:O 12 M A</th>
<th>PR:O 15 A</th>
<th>PR:O 15 X A</th>
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</thead>
<tbody>
<tr>
<td>Frequency Response +/- 3 dB</td>
<td>89 Hz – 19 kHz</td>
<td>89 Hz – 19 kHz</td>
<td>85 Hz – 19 kHz</td>
<td>85 Hz – 19 kHz</td>
<td>55 Hz – 19 kHz</td>
<td>55 Hz – 19 kHz</td>
</tr>
<tr>
<td>Frequency Response -10 dB</td>
<td>63 Hz – 19 kHz</td>
<td>67 Hz – 19 kHz</td>
<td>78 Hz – 19 kHz</td>
<td>78 Hz – 19 kHz</td>
<td>48 Hz – 19 kHz</td>
<td>48 Hz – 19 kHz</td>
</tr>
<tr>
<td>Maximum SPL @1m ⁰</td>
<td>118 dB</td>
<td>121 dB</td>
<td>123 dB</td>
<td>123 dB</td>
<td>123 dB</td>
<td>123 dB</td>
</tr>
<tr>
<td>Speaker</td>
<td>Bass / Mid</td>
<td>8”</td>
<td>10”</td>
<td>12”</td>
<td>12”</td>
<td>15”</td>
</tr>
<tr>
<td></td>
<td>HF horn</td>
<td>1”</td>
<td>1”</td>
<td>1”</td>
<td>1”</td>
<td>1”</td>
</tr>
<tr>
<td>HF protection (passive)</td>
<td>Dyn. protection circuitry</td>
<td>Dyn. protection circuitry</td>
<td>Dyn. protection circuitry</td>
<td>Dyn. protection circuitry</td>
<td>Dyn. protection circuitry</td>
<td>Dyn. protection circuitry</td>
</tr>
<tr>
<td>Horn characteristics</td>
<td>80° x 80° CD horn</td>
<td>90° x 60° CD horn</td>
<td>60° x 40° CD horn</td>
<td>60° x 40° CD horn</td>
<td>60° x 40° CD horn</td>
<td>60° x 40° CD horn</td>
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<tr>
<td>Amplifier</td>
<td>600 W Class D – 4 ohms</td>
<td>600 W Class D – 4 ohms</td>
<td>600 W Class D – 4 ohms</td>
<td>600 W Class D – 4 ohms</td>
<td>600 W Class D – 4 ohms</td>
<td>600 W Class D – 4 ohms</td>
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<tr>
<td>Limiter</td>
<td>RMS-Soundlimiter</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
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<tr>
<td></td>
<td>Peak limiter</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
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<tr>
<td></td>
<td>Subsonic filter</td>
<td>35 Hz</td>
<td>35 Hz</td>
<td>35 Hz</td>
<td>35 Hz</td>
<td>35 Hz</td>
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<tr>
<td></td>
<td>Aktive X-Over</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td></td>
<td>Equalizer</td>
<td>Tone Control</td>
<td>Tone Control</td>
<td>Tone Control</td>
<td>-</td>
<td>Tone Control</td>
</tr>
<tr>
<td>Connections</td>
<td>Line/Mic combination jack, bal.</td>
<td>1x combination Line In</td>
<td>1x combination Line In</td>
<td>1x combination Line In</td>
<td>1x combination Line In</td>
<td>1x combination Line In</td>
</tr>
<tr>
<td></td>
<td>Through, balanced</td>
<td>1x XLR Through</td>
<td>1x XLR Through</td>
<td>1x XLR Through</td>
<td>1x XLR Through</td>
<td>1x XLR Through</td>
</tr>
<tr>
<td></td>
<td>Out, balanced</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Parallel Speaker Out</td>
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<td>-</td>
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</tr>
<tr>
<td>Pole mount</td>
<td>Mono Tilt™</td>
<td>Mono Tilt™ 3°/7°, 36 mm</td>
<td>Mono Tilt™ 3°/7°, 36 mm</td>
<td>-</td>
<td>Mono Tilt™ 3°/7°, 36 mm</td>
<td>Mono Tilt™ 3°/7°, 36 mm</td>
</tr>
<tr>
<td>Rigging Points</td>
<td>2x M8</td>
<td>3x M8</td>
<td>3x M8</td>
<td>-</td>
<td>3x M8</td>
<td>3x M8</td>
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<tr>
<td>Casters</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dimensions (WxHxD)</td>
<td>27 x 42 x 27 cm</td>
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<td>39 x 55,5 x 38 cm</td>
<td>47 x 61,5 x 41,5 cm</td>
<td>47 x 61,5 x 44,5 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>11 kg / 24.3 lbs.</td>
<td>13,9 kg / 30.6 lbs.</td>
<td>19,5 kg / 43 lbs.</td>
<td>17,1 kg / 37.7 lbs.</td>
<td>23,5 kg / 51.8 lbs.</td>
<td>22,4 kg / 49.4 lbs.</td>
</tr>
</tbody>
</table>

Recommended amplifier power: To drive PREMIUM PR:O enclosures, select amplifiers with the capacity to deliver between 600 and 800 watts RMS per channel @ 4 ohms. The amp's peak power output should attain at least 1200 watts per channel @ 4 ohms to have enough headroom available for dynamic musical signals.
### Technical Specifications

#### Flexible Solutions

<table>
<thead>
<tr>
<th>D.A.R.T</th>
<th>F.A.S.T</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBA18</td>
<td></td>
</tr>
<tr>
<td>37 Hz - x-over</td>
<td>80 Hz – 19 kHz</td>
</tr>
<tr>
<td>102 dB</td>
<td>105 dB</td>
</tr>
<tr>
<td>130 dB @10% THD</td>
<td>123 dB @10% THD</td>
</tr>
<tr>
<td>1x 120 W / Class D</td>
<td>1x 250 W / Class D</td>
</tr>
<tr>
<td>1x 300 W</td>
<td>1x 60 W</td>
</tr>
<tr>
<td>1x XLR Mic In, Line, Through</td>
<td>1x XR Mic In, 1x XLR Thru</td>
</tr>
<tr>
<td>1x Cinch AUX In</td>
<td>1x XLR Combination Line In</td>
</tr>
<tr>
<td>1x 18&quot;</td>
<td>1x 12&quot;</td>
</tr>
<tr>
<td>1x 12&quot;</td>
<td>1x 12&quot;</td>
</tr>
<tr>
<td>60° x 40° CD horn</td>
<td>60° x 40° CD horn</td>
</tr>
<tr>
<td>2 kHz, 24 dB / oct. active</td>
<td>2.2 kHz, 12 dB / oct. passive</td>
</tr>
<tr>
<td>Dyn. protection circuit</td>
<td>Dyn. protection circuit</td>
</tr>
<tr>
<td>M20 threaded base plate</td>
<td>DuoTilt™ 3°/7°, 36 mm</td>
</tr>
<tr>
<td>53 x 63.5 x 68.5 cm</td>
<td>56 x 40.5 x 34 cm</td>
</tr>
<tr>
<td>55.5 kg / 122.1 lbs.</td>
<td>21 kg / 46.3 lb.</td>
</tr>
</tbody>
</table>

*) all specifications indicate half-space measurements  ** dimensions including casters  ***) active crossover activated  ****) active crossover frequency 24 dB octave

### PR:O 210 S vs PR:O 18 S

<table>
<thead>
<tr>
<th>PR:O 210 S</th>
<th>PR:O 18 S</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 Hz – 150 Hz</td>
<td>48 Hz – 150 Hz</td>
</tr>
<tr>
<td>40 Hz – 150 Hz</td>
<td>38 Hz – 150 Hz</td>
</tr>
<tr>
<td>126 dB</td>
<td>129 dB</td>
</tr>
<tr>
<td>101 dB</td>
<td>104 dB</td>
</tr>
<tr>
<td>1500 W</td>
<td>1500 W</td>
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<tr>
<td>1000 W</td>
<td>1000 W</td>
</tr>
<tr>
<td>500 W</td>
<td>500 W</td>
</tr>
<tr>
<td>2x 10&quot;</td>
<td>18&quot;</td>
</tr>
<tr>
<td>4 ohms</td>
<td>4 ohms</td>
</tr>
<tr>
<td>150 Hz, 12 dB/oct.</td>
<td>150 Hz, 12 dB/oct.</td>
</tr>
<tr>
<td>1x XLR In, 1x XLR Through</td>
<td>XLR Mic In, Line, Through</td>
</tr>
<tr>
<td>Midrange woofer</td>
<td>1x 18&quot;</td>
</tr>
<tr>
<td>THD</td>
<td>1x 12&quot;</td>
</tr>
<tr>
<td>55,5 kg / 122.1 lbs.</td>
<td>21 kg / 46.3 lb.</td>
</tr>
</tbody>
</table>

### PR:O 210 Sub A vs PR:O 18 Sub A

<table>
<thead>
<tr>
<th>PR:O 210 Sub A</th>
<th>PR:O 18 Sub A</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 Hz – x-over</td>
<td>48 Hz – x-over</td>
</tr>
<tr>
<td>40 Hz – x-over</td>
<td>38 Hz – x-over</td>
</tr>
<tr>
<td>123 dB</td>
<td>125 dB</td>
</tr>
<tr>
<td>1x M20</td>
<td>M20</td>
</tr>
<tr>
<td>3x 61 x 53 cm</td>
<td>53 x 61 x 64 cm</td>
</tr>
<tr>
<td>25.9 kg / 57.1 lbs.</td>
<td>40.6 kg / 89.5 lbs.</td>
</tr>
</tbody>
</table>

### SOUND CADDY ONE

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency response</td>
<td>+/− 3 dB</td>
</tr>
<tr>
<td>Axial sensitivity</td>
<td>102 dB</td>
</tr>
<tr>
<td>Maximum SPL @1m</td>
<td>130 dB @10% THD</td>
</tr>
<tr>
<td>Midrange amplifier</td>
<td>1x 1200 W / Class D</td>
</tr>
<tr>
<td>Mid/high range amplifier</td>
<td>1x 300 W</td>
</tr>
<tr>
<td>Active protective circuitry</td>
<td>MultiBand limiter</td>
</tr>
<tr>
<td>Connections</td>
<td>Integrated 4-channel mixing console</td>
</tr>
<tr>
<td>Midrange woofer</td>
<td>6x 3.5&quot; custom broad band speakers, 16 ohms</td>
</tr>
<tr>
<td>Subwoofer</td>
<td>3x 6&quot; Sub OEM woofer, 18 ohms</td>
</tr>
<tr>
<td>Directivity (hor., vert.)</td>
<td>70° / 15°</td>
</tr>
<tr>
<td>Crossover frequency</td>
<td>150 Hz, 100 Hz</td>
</tr>
<tr>
<td>Dimensions (WxHxD)</td>
<td>102 x 27 x 34 cm • 10-5/8 x 40-5/32 x 63-3/8</td>
</tr>
<tr>
<td>Weight</td>
<td>29 kg / 63.9 lbs.</td>
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</table>

### SOUNDCADDY ONE

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
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<td>+/− 3 dB</td>
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<tr>
<td>Axial sensitivity</td>
<td>102 dB</td>
</tr>
<tr>
<td>Maximum SPL @1m</td>
<td>130 dB @10% THD</td>
</tr>
<tr>
<td>Midrange amplifier</td>
<td>1x 1200 W / Class D</td>
</tr>
<tr>
<td>Mid/high range amplifier</td>
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<tr>
<td>Active protective circuitry</td>
<td>MultiBand limiter</td>
</tr>
<tr>
<td>Connections</td>
<td>Integrated 4-channel mixing console</td>
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<tr>
<td>Midrange woofer</td>
<td>6x 3.5&quot; custom broad band speakers, 16 ohms</td>
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<td>Subwoofer</td>
<td>3x 6&quot; Sub OEM woofer, 18 ohms</td>
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