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since 1977



Peecker Sound was established in **1977** as the leading brand of the then up-and-coming and ambitious **Sound Corporation** (founded some years earlier in **1968**) to serve what is currently called “*fixed installations and club sound*”, that is to say designing, producing and distributing professional sound reinforcement systems for public entertainment venues such as dance clubs, theatres, music pubs, lounge bars, cinemas and any other establishment delivering reproduced music.

As is widely known, the top management of the Sound Corporation group now has direct control over well-established brands such as **X-Treme** – created in **2001** as the label for products designed specifically for “*touring & concert sound*”, i.e. professional sound systems for concerts, music events and other festivals with live music – and **XTE** – primarily designed for “*commercial sound*” (also known as “*public address*” in Italy), namely the production of sound systems to deliver music, announcements, emergency and/or evacuation messages in airports, shopping centres, places of worship, hospitals, hotels, leisure facilities, cultural venues and so on.

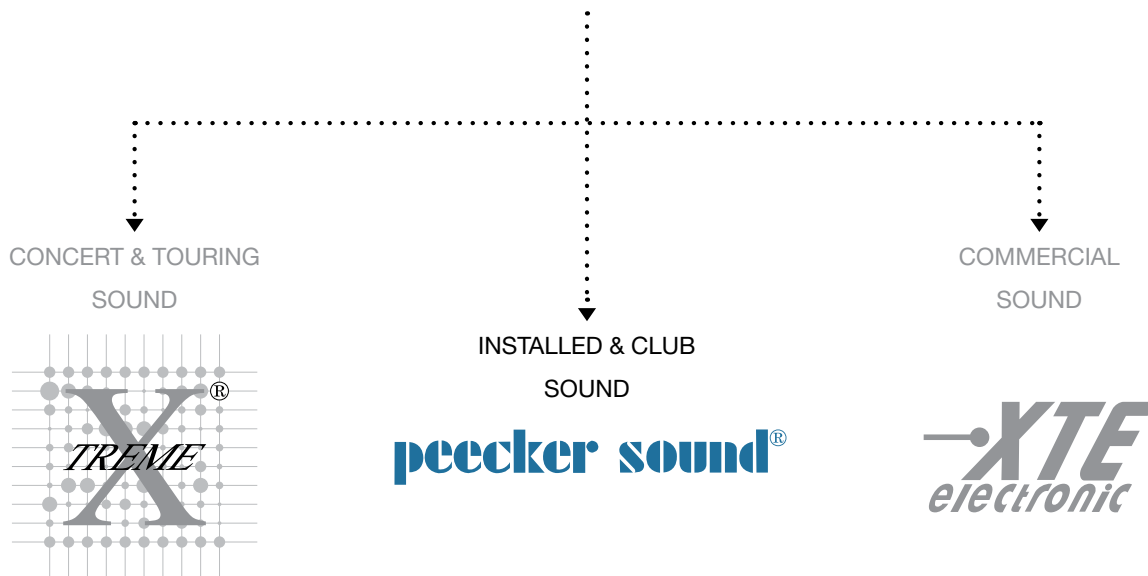
In **2009**, Peecker Sound undertook a major strategic-operational reorganization of the business unit which resulted in the creation of *three distinct divisions* based on the following final application of the manufactured products: *Sound Reinforcement* – the company’s core business since its establishment –, *Controlled Radiation* – designed for patented products for controlling sound emissions – and *Acoustic Research* – a specialist area for measurement equipment and special sound projects.

With major sound reinforcement projects, large-scale events and music festivals to its name, a distribution network covering over **30 countries** and more than **2,000** installations all around the world, Peecker Sound is considered today one of the leading companies in the international professional audio industry.

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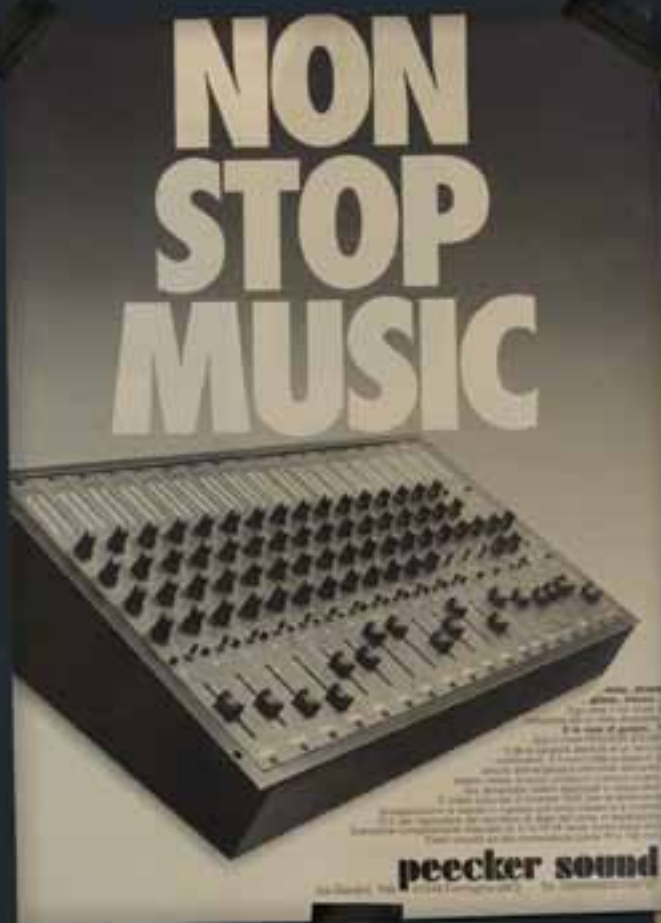


Peecker Sound was created in **1977** as natural evolution of the future Sound Corporation group in response to the booming market of professional audio systems for large indoor dancing venues. It rapidly became the iconic brand name of the legendary high-power sound amplification systems, popular since the seventies, installed in discos and night clubs that came to be regarded as genuine “cathedrals” of Italian entertainment – now of worldwide fame. They include the likes of *Picchio Rosso* in Formigine, *Kiwi* in Piumazzo, *Caravel* in Mantua, *Jumbo* in Fidenza, *Altro Mondo* in Alba and *Baia Imperiale* in Rimini, to name just a few.

Today, Peecker Sound list of references boasts **over 2,000 entertainment and public performance venues**, the most prestigious of which are *Girardilla* (Cuba), *Macumba* (France), *Art Club Vavilon* (Russia), *Patipa* (Ukraine), *Vanilla Club* (Switzerland), *Milano Music Hall* (Milan), *Bambù* (Mantua), *Theatrò* (Viterbo) and many more.

The new research laboratory (covering an area of over 160 m²), the engineers and technical designers, the joinery, which manufactures the full range of cabinets, the Electro-acoustic Department with its unequalled know-how in the audio industry, and the Electronics Department, capable of producing from simple printed circuit boards to state-of-the-art digital processors, are just some of the Peecker Sound assets whose concerted effort has ensured that today, after over 30 years of successes, the company’s goal remains what it was at the beginning, namely “**the full satisfaction of the end customer**”.

How the Market was won...





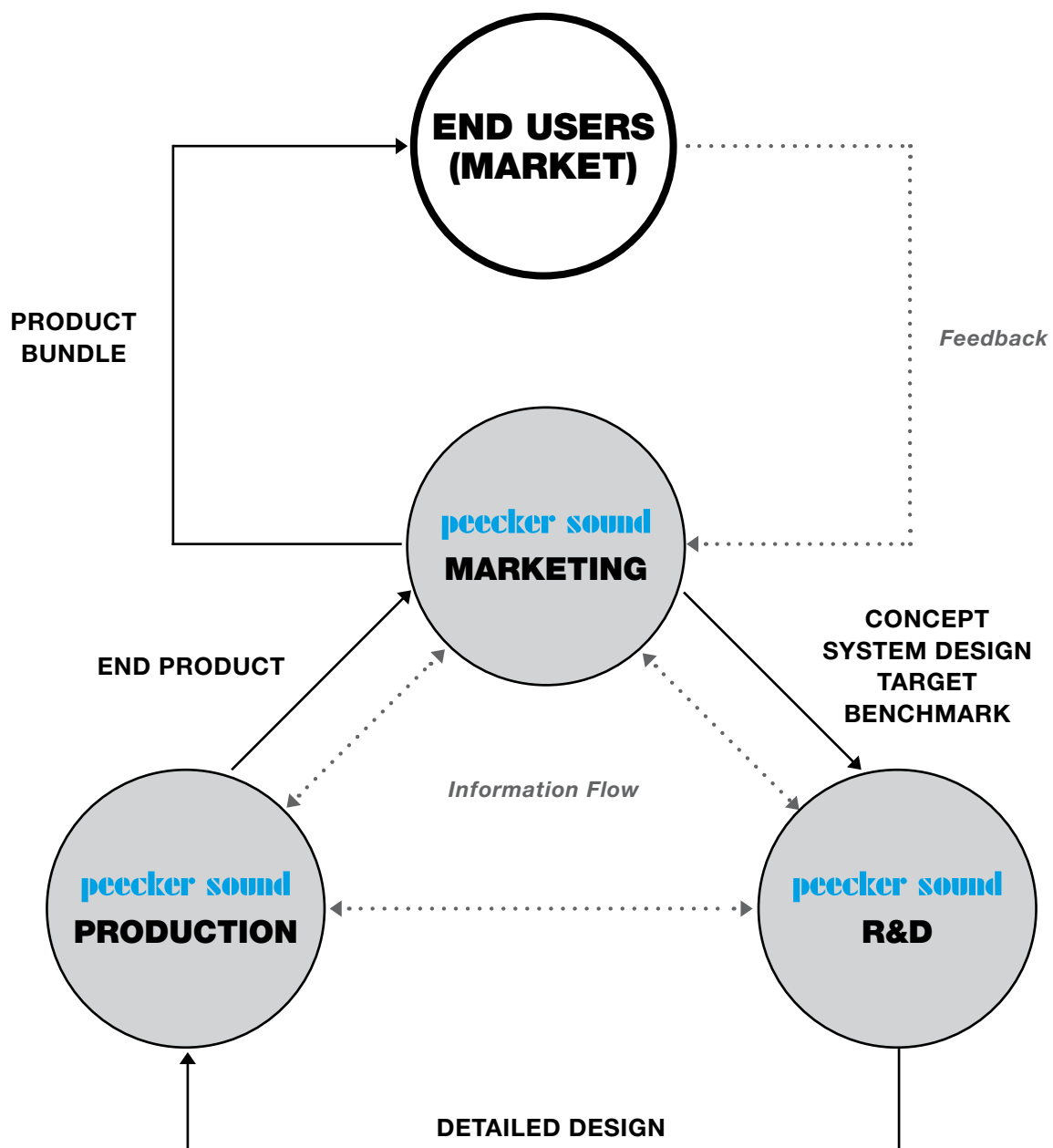
Today the **Peecker Sound** figures are as follows:

- **over 2,000 sound reinforcement installations worldwide;**
- **over 6,000 loudspeaker systems produced annually (figures for 2009);**
- **over 2,000 amplifiers/processors produced annually (figures for 2009);**
- **a 2,000 m2 production plant;**
- **a 160 m2 R&D laboratory with 5 researchers;**
- **3 international patents;**
- **a defectiveness rate of speakers below 2%;**
- **a defectiveness rate of control electronics below 5%;**
- **customer support within 24 hours throughout Italy and within 72 hours in Europe;**
- **an annual Promotion & Marketing budget of 50,000 Euro.**

Value Creation

Product definition is a difficult and risky yet strategically key activity. It is the main process underpinning **value creation** thanks to the participation and involvement of all the “value-adding” Peecker Sound company departments.

The chart below illustrates the functional process and the flow of information between the various divisions of the Peecker Sound business unit – the long-standing subsidiary of the Sound Corporation group – and the market.



Peecker Sound TQM

As a management philosophy, **Total Quality Management (TQM)** puts forward a set of values that have to become an integral part of the existing organizational culture in order to be efficient. It is then up to the individual company to apply its own methods to translate the guidelines into operating procedures. In this process Peecker Sound achieves its real competitive advantage towards its competitors.



The 5 Peecker Sound **TQM** operating steps are:

- 1. Quality Control of incoming semi-manufactured goods;**
- 2. Laboratory tests on prototypes and semi-manufactured products;**
- 3. FMEA (Failure Mode and Effect Analysis);**
- 4. Rapid Testing;**
- 5. Final Quality Control.**

Once the products have passed the testing stage, they are inspected by the technical staff appointed to deal with *Quality Control*. Based on specifications set out in a specially-designed document, they check the following aspects: the quality of surface finishing, the rigidity of the protection grille, the coupling of the *SpeakOn* connectors, the condition of suspension equipment (pins, hooks, etc.) and possible localized imperfections caused by the manufacturing process.



Upturned T series

“Turning audio stereotypes upside down”.

APPLICATIONS

Concert & Touring events¹ (*small scale*) - Events in open air spaces, town squares, etc.¹ (*small scale*) - Portable systems for musicians, bands and entertainers¹- Rehearsal studios, demo rooms¹ - Live music clubs, pubs, and other venues with live music¹ (*small-medium size*) - Dance clubs, night clubs, ballrooms and other dancing venues² (*background music only*) - Wine/lounge bars and HO.RE.CA. (*Hotels, Restaurants and Cafés*)² - Casinos, game rooms, cruise ships and beach clubs² (*background music only*) - Cinemas and home theater - Places of worship¹ - Multi-purpose halls, sports, recreational and/or cultural venues - Convention and trade show centres - Corporate events¹ - Audio-visual installations for exhibitions, shows, competitions and other events - Beauty salons, fitness centres² - Other fixed installations (shops, shopping malls, airports, etc.)².

¹ only PSUT8TE, PSUT8AE + PSUTBASE/A

² only PSUT1 + PSUTS

KEY FEATURES

- Horizontal directivity of 150° (-6 dB);
- Modular structure with direct plug-in connections (no external power cables);
- Digital amplifier with DSP (24 bit / 96 kHz) integrated in the active subwoofer;
- Neodymium components;
- Extreme portability with customized bags;
- Ergonomic design;
- Birch plywood cabinet with weatherproofing treatment;
- Peecker Sound TQM.

Upturned T series



PSUT8TE PSUT8-AC

- Quality voice reproduction and/or background music diffusion in indoor venues
- Fixed installations in circumscribed venues (e.g. conference rooms, small recreational/cultural facilities, small places of worship)
- **140°** horizontal coverage thanks to the *multi-angular loudspeaker design*
- **20 m** throw for each individual element

PSUT8TE PSUT8AE PSUT8-AC

- Quality voice reproduction and/or background music diffusion in indoor venues
- Fixed installations in mid-large sized and reverberating venues (e.g. multi-purpose halls, recreational/cultural facilities, convention and trade show centres, large places of worship)
- **150°** horizontal coverage thanks to the *multi-angular loudspeaker design*
- **35 m** throw for each individual cluster

PSUT8TE PSUT8-AC PS-ST125

- Quality voice reproduction and/or small-scale sound reinforcement
- Portable installations for *single&duo performers* or entertainers, corporate events or audio-visual installations for exhibits and other public events
- **140°** horizontal coverage thanks to the *multi-angular loudspeaker design*
- **20 m** throw for each individual element

6 different configurations



PSUT8TE PSUTBASE/A

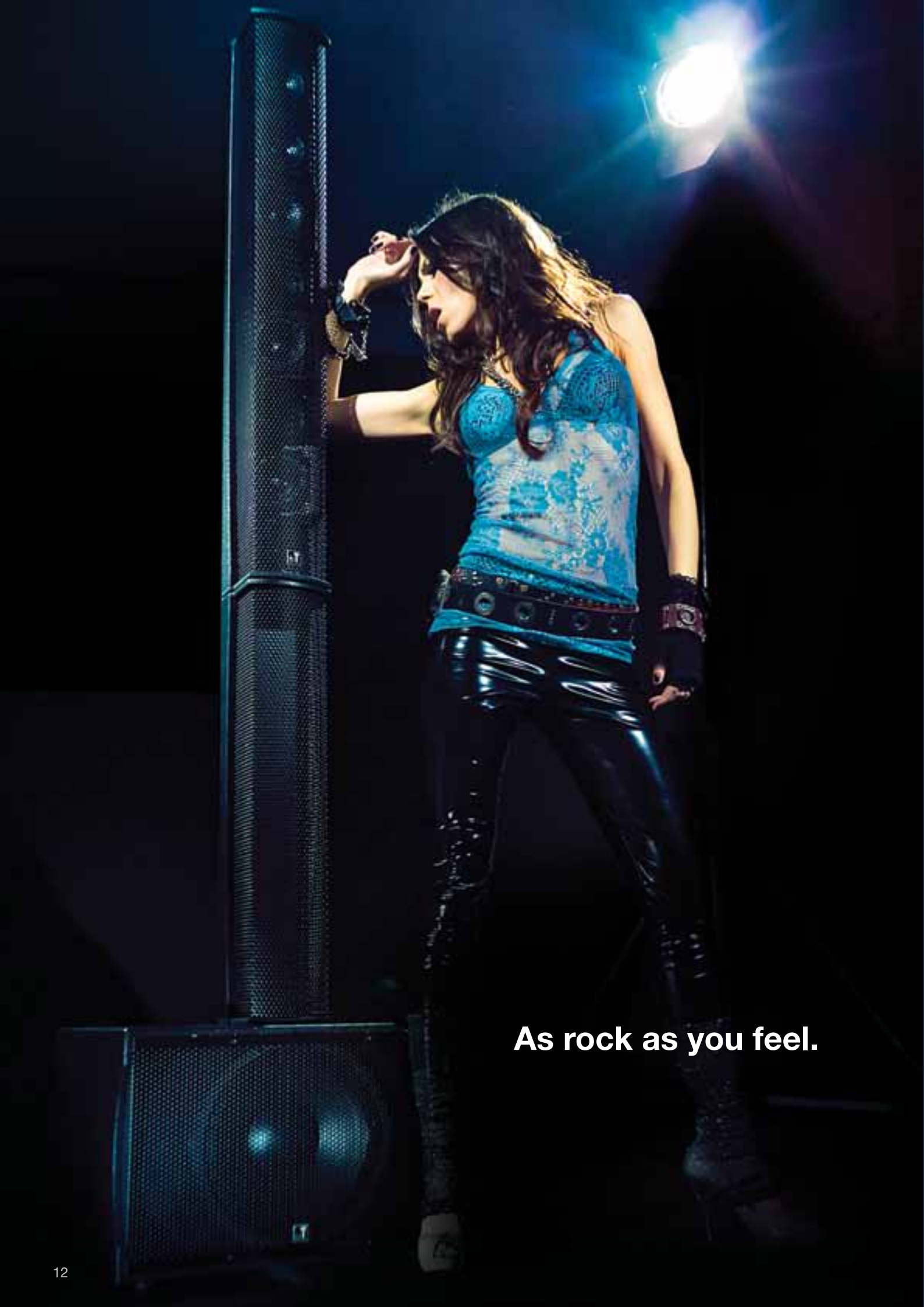
- Sound reinforcement for live, predominantly acoustic, music
- Fixed or portable installations in rehearsal rooms, outdoor cinemas or small live music clubs with a mainly sitting audience
- **140°** horizontal coverage thanks to the *multi-angular loudspeaker design*
- **8 m** throw for each individual stack

PSUT8TE PSUT8-ST70 PSUTBASE/A

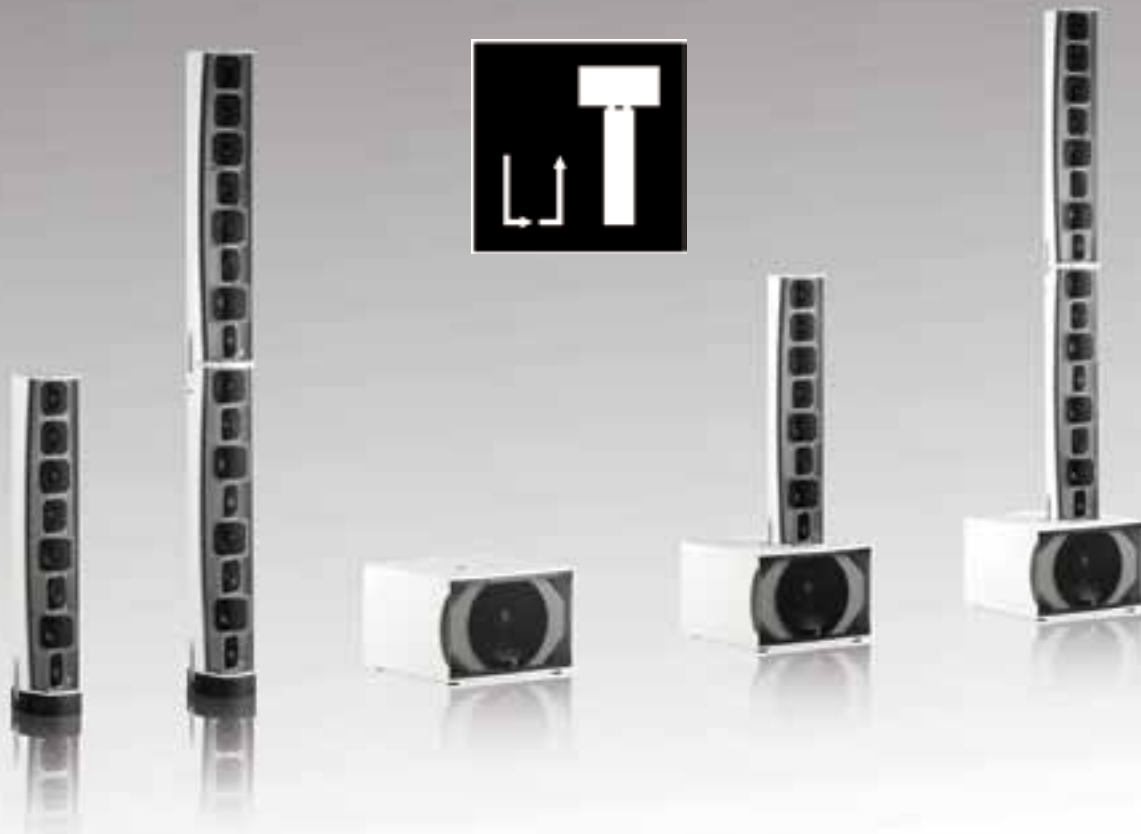
- Sound reinforcement for live or reproduced music (placing behind the stage)
- Fixed or portable installations in medium-sized live music clubs or for musicians' and/or entertainers' DJ sets
- **140°** horizontal coverage thanks to the *multi-angular loudspeaker design*
- **16 m** throw for each individual stack

PSUT8TE PSUT8AE PSUTBASE/A

- Sound reinforcement for live or reproduced music (placing behind the stage)
- Fixed or portable installations in live music clubs, cinemas, modern theatres or auditoriums
- **150°** horizontal coverage thanks to the *multi-angular loudspeaker design*
- **24 m** throw for each individual stack



As rock as you feel.



The **Upturned T** series is an innovative and radical audio solution compared to the traditional way of conceiving sound reproduction. The series consists of two column speakers (**PSUT8TE** and **PSUT8AE**), each equipped with eight 4" full-range loudspeakers, the **PSUTBASE/A** active subwoofer, the ideal base for amplifying up to two column elements thanks to the direct connectors (*plug&play*), the **PSUT1** module and its companion dual subwoofer **PSUTS**, perfect for background music or for sound reinforcement in smaller venues. The **PSUT8TE** ("Top Element") is a 98-cm tall column speaker with a power handling capacity of 400 W RMS, designed for sound reinforcement in contexts requiring long throw and good intelligibility, including multimedia installations for shows and exhibitions of various types, as well as multi-purpose halls, convention and trade fair centres, cinemas, places of worship, but also in entertainment and performance venues. This type of speaker is truly unique and special, thanks in particular to the ingenious layout of the transducers that creates *hybrid* coverage: the first four loudspeakers from the top easily reach the far field thanks to a sound level decay typical of arrays (Max SPL at 16 m is a full 107 dB!), while the next four – oriented at angles determined by an in-depth physical-acoustic study – are directed towards the audience closest to the speaker, at about 2-3 metres distance. The **PSUT8AE** ("Additional Element") is designed to be positioned between the base (the amplified subwoofer, see below) and the top element to create acoustic continuity between the two elements. It has the same power handling capacity as the top unit (400 W RMS), but it has shorter throw, while, at the same time, wider horizontal opening. It is important to note that this speaker has a plug-in connector also in the upper part, enabling the connection of additional speakers (up to four), all without the need for a power cable or external signal.

Summarizing months of research in just a few lines, we can affirm that the real "supporting evidence" for the two column speakers described above, besides the well known properties of a very long array, is the exceptional *horizontal dispersion* – a full 150°. This is achieved thanks to the special mixed arrangement of the various transducers (*multi-angular loudspeaker design*), a solution devised by the Sound Corporation R&D department following measurements and simulations carried out with dedicated predictive software applications.



PSUT8TE

Hybrid-dispersion sound column Top Element

PSUT8AE

Wide-dispersion sound column Additional Element

MODEL	PSUT8TE	PSUT8AE
Power handling RMS	400 W	400 W
Frequency response (-6 dB)	140÷18k Hz	140÷18k Hz
Peak SPL (@1m / @16m)	129 dB / 107 dB	128 dB / 105 dB
Horizontal coverage angle (-6 dB)	140°	150°
Vertical coverage angle (-6 dB)	15°	15°
Nominal impedance	16 Ohm	16 Ohm
Transducers	8x4" full range - neodymium magnet	
Cabinet	birch plywood	birch plywood
Colour	black or white	black or white
Input connectors	direct connection to another UT element	
Dimensions (WxHxD)	15x23x98 cm	15x23x98 cm
Net weight	10 kg	10 kg



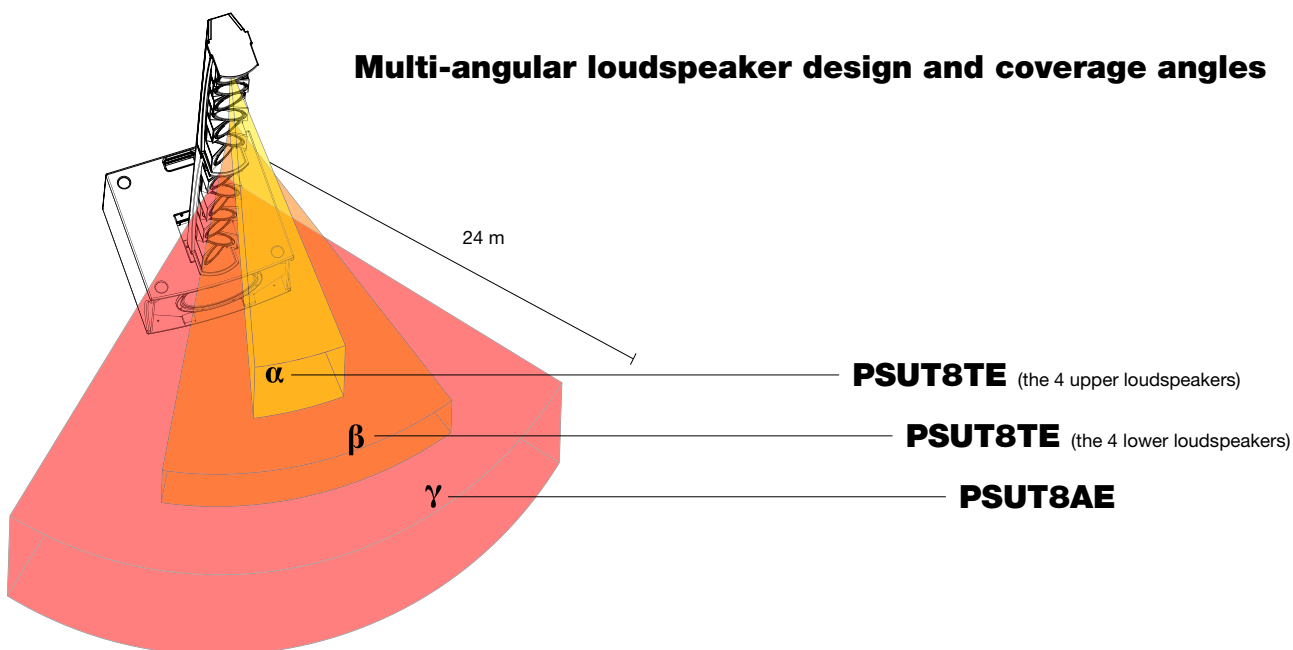
PSUTBASE/A

Active subwoofer, base for PSUT8AE or PSUT8TE

Acoustical coupling	bass reflex
Amplifier power	800+800 W (@8 Ohm) - class D
Frequency response (-6 dB)	40±160 Hz
Peak SPL (@1m)	132 dB
Transducers	LF 1x12"- neodymium magnet
Power supply	switching technology
AC voltage	115/230 VAC ±10%, 45-65 Hz
DSP on board	24 bit/96 kHz (4 sel. presets)
Cabinet	birch plywood
Colour	black or white
Input connectors	XLR - max +10 dBu
Dimensions (WxHxD)	52x35.5x50 cm
Net weight	23 kg

The **PSUTBASE/A** self-powered subwoofer (800+800 W RMS with a powerful DSP on board) can drive up to *two* stacked column elements, which are connected to the subwoofer by means of a solid hooking system and a connector that excludes the need for any external cable. The “top” configuration – 1 PSUTBASE/A + 1 PSUT8AE + 1 PSUT8TE – adapts perfectly to the audio needs of bands and musical groups (with incredible performance for musical genres such as blues, jazz and unplugged pop), acting as both main P.A. and stage monitor, producing powerful and crystal-clear sound for audiences of up to 150-200 people.

Multi-angular loudspeaker design and coverage angles



Moving on to the other products of the line, the **PSUT1** is a light-weight, compact and modular audio micro-system, only 13 cm wide, designed specifically for sound reinforcement in pubs, restaurants, bars, shops, museums, public buildings and the like. It can be used in cluster configuration up to *four* elements that are interchangeable and can be oriented horizontally or vertically as desired. Coupled with the **PSUTS** dual subwoofer (equipped with two 6" loudspeakers in bass reflex configuration), it produces a soft sound with extended frequency and perfect loudness, indispensable for the low sound pressures required in these environments.

This system is perfectly suited to venues where it is possible, if the need arises, to "push the limits a bit further" (with each single "cube" delivering a musical power of 100 W and a peak power of no less than 113 dB, all the efficiency requirements are fully satisfied).



PSUT1

Stackable micro loudspeaker system

Power handling RMS	50 W
Frequency response (-6 dB)	160÷18k Hz
Peak SPL (@1m)	114 dB
Coverage angle (-6 dB)	100° horizontal, 100° vertical
Nominal impedance	16 Ohm
Transducers	1x4" full range - neodymium magnet
Cabinet	birch plywood
Colour	black or white; any RAL on request
Input connectors	spring terminals
Dimensions (W×H×D)	13×13×16 cm
Net weight	1.5 kg



PSUTS

High efficiency ultra-compact suspendable dual subwoofer

Acoustical coupling	bass reflex
Power handling RMS	160 W
Frequency response (-6 dB)	50÷180 Hz
Peak SPL (@1m)	120 dB
Nominal impedance	8 Ohm
Transducers	LF 2x6"
Cabinet	birch plywood
Colour	black or white; any RAL on request
Input connectors	spring terminals
Dimensions (W×H×D)	23×38.5×30 cm
Net weight	9 kg

Installation modes



1 PSUT1 + 1 PSUTS
(vertical)

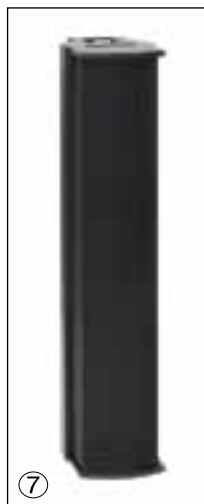


1 PSUT1 + 1 PSUTS
(horizontal)



2 PSUT1 + 1 PSUTS
(horizontal)

Upturned T series - accessories



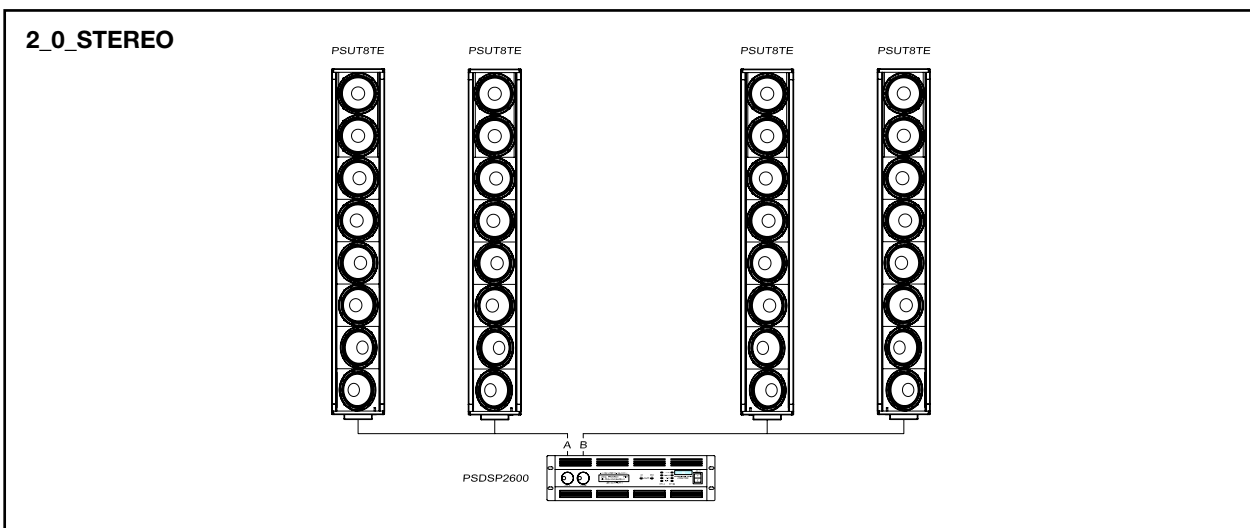
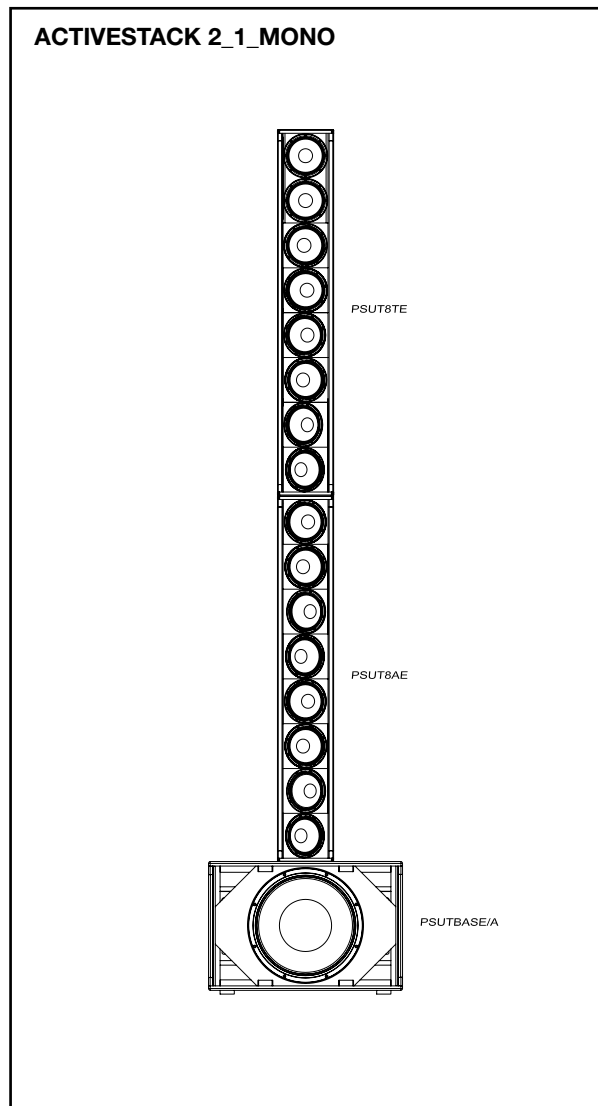
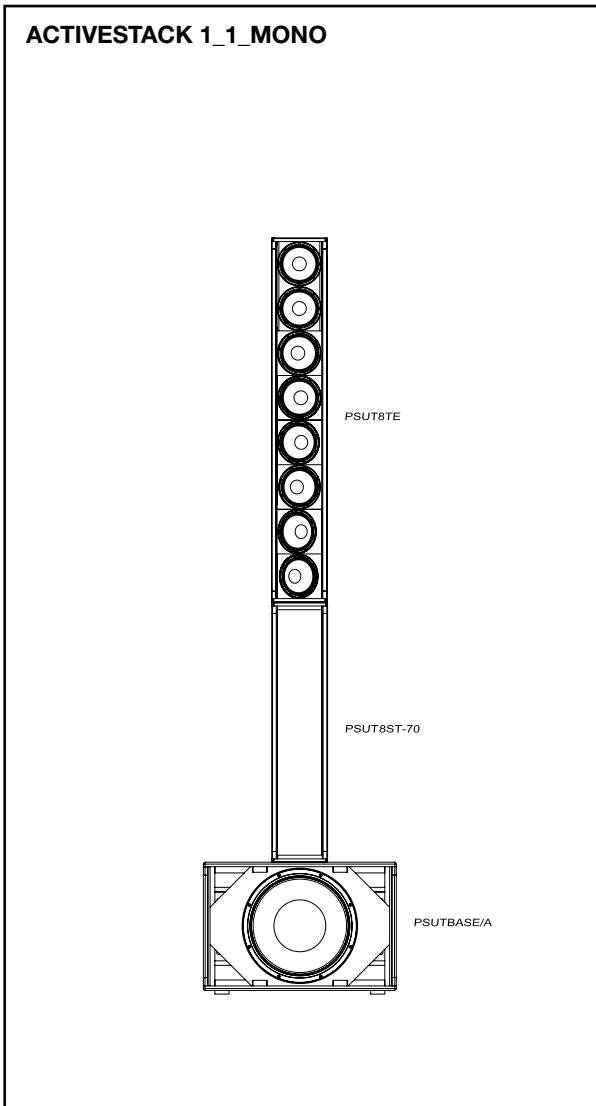
- ① **STD-WUT8** - Wall bracket for vertical support of 1 or 2 (1 PSUT8AE + 1 PSUT8AE) sound columns
- ② **STD-WUT1** - Wall bracket for vertical support of 1 or 2 PSUT1 speakers (180° Hor. and Vert. rotation)
- ③ **STD-PSUT124** - Flying bracket for 2 or 4 PSUT1 speakers (side-by-side or stacked)
- ④ **STD-PSUTS** - Flying bracket for 1 PSUTS subwoofer
- ⑤ **PS-ST125** - Adjustable-height stand holder for 1 PSUT8TE sound column
- ⑥ **PSUT8-AC** - *Jumper-SpeakOn* converter and adapter flange for PSUT8TE to PS-ST125 stand
- ⑦ **PSUT8-ST70** - Stand holder for spacing a PSUT8TE speaker from a PSUTBASE/A sub (height: 70 cm)
- ⑧ **TRA-PSUT1** and **TRA-PSUTS** - Line transformers for the connection of PSUT1 / PSUTS to 100V constant voltage lines

“Easy handling even for **Lily**”

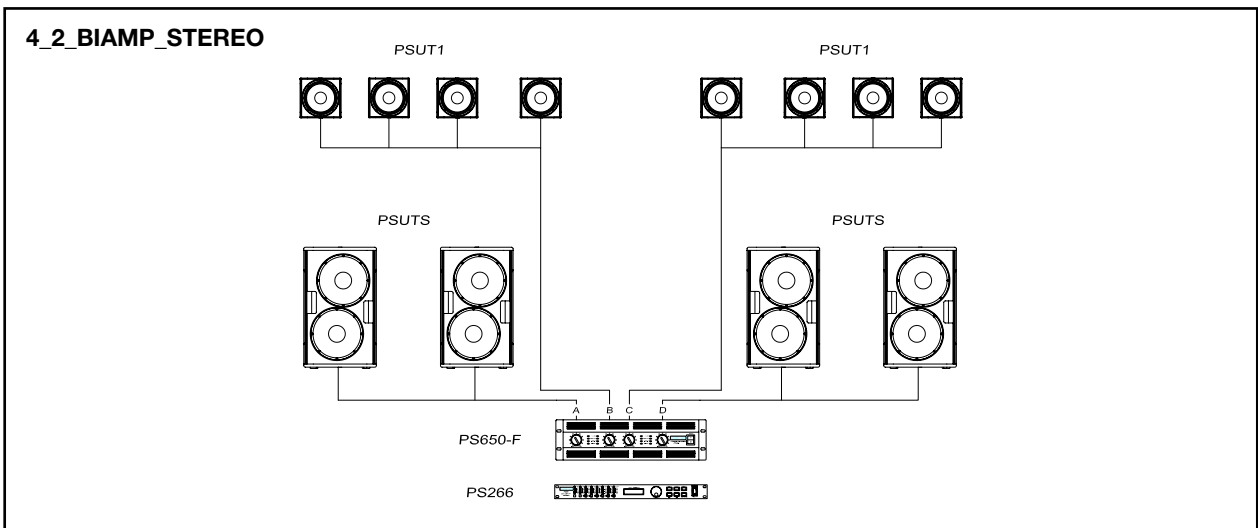
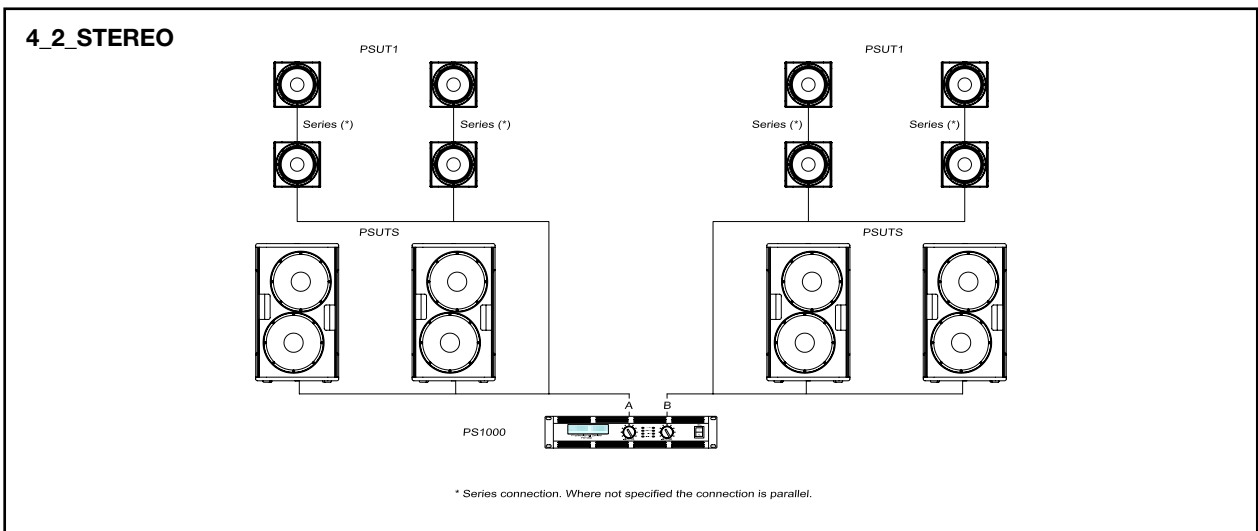
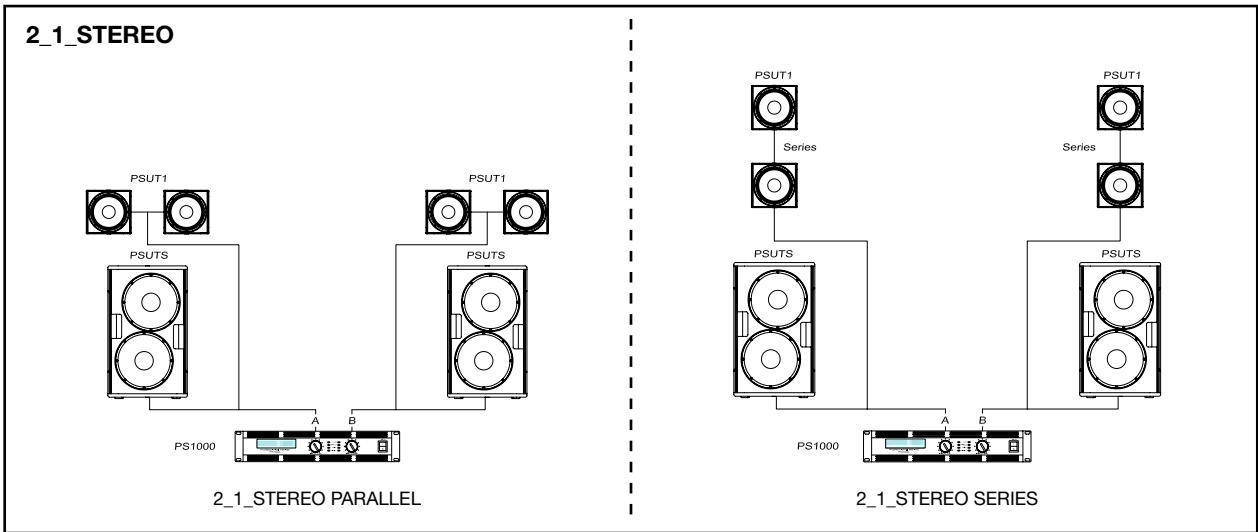


- ⑨ **UT8-COVER** - Protection enclosure for 1 PSUT8TE or 1 PSUT8AE sound column or for 1 PSUT8-ST70 stand holder
- ⑩ **UTBASE/A-COV** - Protection enclosure for 1 PSUTBASE/A subwoofer

Upturned T series



System configurations



More info at: www.peeckersound.com



Forty series

“Forti dei nostri Forty!”

(“Proud of our Forty years of experience!”)

APPLICATIONS

Events in outdoor spaces, town squares, etc.¹ (*small-medium scale*) - Portable systems for musicians, bands and entertainers¹ (*medium scale*) - Rehearsal studios, demo rooms - Dance clubs, night clubs, ballroom dancing and other dancing venues (*any size*) - Wine/lounge bars and HO.RE.CA. (*Hotels, Restaurants and Cafés*) - Beach clubs, bathing establishments - Casinos, game rooms, cruise ships² (*background music only*) - Amusement parks, theme parks, circus shows - Multi-purpose halls, sports, recreational and/or cultural venues - Convention and trade show centres² - Corporate events - Beauty salons, fitness centres² - Other fixed installations (shopping malls, shops, airports, etc.)².

¹ only 4012MH/A, 4015MH/A, 4030MH/A + 40SW15/A, 40SW18/A

² only 4008 or 4010MH

KEY FEATURES

- A.W.S.H.® (*Acoustic Wave Shaped Horn*);
- Controlled angle of dispersion (90° x 50°);
- Neodymium woofer;
- Mylar HF driver;
- Pole mount with dual angle;
- Design aimed at optimizing acoustic efficiency;
- Birch plywood cabinet with weatherproofing treatment;
- Peecker Sound TQM.

Planned and produced to celebrate the 40th anniversary of the Sound Corporation group, the ambition in designing the **Forty** series was to offer affordable products that feature cutting-edge speaker design and production technology usually found in the price bracket of much higher-end products.

The line comprises *seven* different models: *five* 2-way speakers (models: **4008**, **4010MH**, **4012MH**, **4015MH** and **4030MH**, the last three also available in self-powered version – **4012MH/A**, **4015MH/A** and **4030MH/A**) and *two* subwoofers, both passive (**40SW15** and **40SW18** models) and active (**40SW15/A** and **40SW18/A** models). These 2-way systems are designed for sound reinforcement to cover medium to large-size listening areas homogeneously and uniformly. With these systems, the voice is perfectly intelligible and is not modulated by low frequencies even at a distance and on an angle falling within the values of dispersion. The transducers (*Neodymium woofer, Mylar driver*) are the best and most technologically advanced in the audio industry, and the same goes for the digital electronics with DSP in the active versions and crossovers with shielded resistors in the passive versions. But the real added value of this line of products lies in the innovative aluminium horn (in fact, the abbreviation “MH”, which stands for “Modelled Horn”, appears in the name of the models), specially designed in the Sound Corporation research laboratories and registered with the acronym **A.W.S.H**[®] (*Acoustic Wave Shaped Horn*). This horn, made of aluminium alloy, has variable thickness (it narrows by moving towards the “mouth”) to minimize resonances, whereas the driver is equipped with a central phase plug with inverted dome.

The coaxial structure of the two mid-high frequency sections makes it possible to reduce phase distortions and makes the polar diagrams even more controlled; in fact, the angle of sound dispersion remains constant over the entire spectrum reproduced, and consequently the frequency response is linear over the entire solid angle, providing uniform coverage of the listening area.

The *Class D* power amplifier onboard the self-powered models, weighing just 0.5 kg, is produced entirely in switching technology and contains a powerful DSP (24 bit / 96 kHz) with 2 *presets* that can be selected using the push button on the panel on the back of the speakers.

The shape of the birch plywood cabinet has been optimized to reduce standing waves inside the speaker to a minimum and to facilitate the use of side-by-side systems. In addition, the two different angles of the cabinet of the 4012MH and 4015MH satellites allow them to be used correctly as floor-standing monitors.

The extremely compact dimensions facilitate transport, a pole mount with dual angle enables easy installation on stand holder, and a complete line of accessories assures quick and safe suspension.

4008

2-way loudspeaker system

Power handling RMS	220 W
Frequency response (-6 dB)	70÷18k Hz
Peak SPL (@1m)	124 dB
Coverage angle (-6 dB)	50° horizontal, 50° vertical
Nominal impedance	8 Ohm
Transducers	LF 1x8”, HF 1x1”
Crossover frequency	2.5 kHz
Cabinet	birch plywood
Colour	black
Input connectors	2xNL4 speakON
Dimensions (W×H×D)	24.5×40×29 cm
Net weight	8.5 kg



4010MH

2-way loudspeaker system with Modelled Horn

Power handling RMS	300 W
Frequency response (-6 dB)	70÷20k Hz
Peak SPL (@1m)	129 dB
Coverage angle (-6 dB)	90° horizontal, 40° vertical
Nominal impedance	8 Ohm
Transducers	LF 1x10"- neodymium magnet, HF 1x1"- mylar membrane
Crossover frequency	2 kHz
Cabinet	birch plywood
Colour	black
Input connectors	2xNL4 speakON
Dimensions (WxHxD)	30.5x49x33 cm
Net weight	13.5 kg



4012MH - 4012MH/A and 4015MH - 4015MH/A

2-way passive/active loudspeaker systems with Modelled Horn

MODEL	4012MH	4012MH/A	4015MH	4015MH/A
Power handling RMS	450 W	/	550 W	/
Amplifier power	/	500 W - class D	/	500 W - class D
Frequency response (-6 dB)	65÷20k Hz	65÷20k Hz	55÷20k Hz	55÷20k Hz
Peak SPL (@1m)	132 dB	130 dB	133 dB	131 dB
Coverage angle (-6 dB)	90° horizontal, 50° vertical		90° horizontal, 50° vertical	
Nominal impedance	8 Ohm	/	8 Ohm	/
Transducers	LF 1x12"- neodymium magnet, HF 1x1"- mylar membrane		LF 1x15"- neodymium magnet, HF 1x1"- mylar membrane	
Crossover frequency	1.8 kHz	/	1.8 kHz	/
Power supply	/	switching tech.	/	switching tech.
AC voltage	/	115/230 VAC ±10%	/	115/230 VAC ±10%
DSP on board	/	24 bit/96 kHz (2 sel. presets)	/	24 bit/96 kHz (2 sel. presets)
Cabinet	birch plywood	birch plywood	birch plywood	birch plywood
Colour	black	black	black	black
Input connectors	2xNL4 speakON	XLR - max +10 dBu	2xNL4 speakON	XLR - max +10 dBu
Dimensions (WxHxD)	35.5x57.5x40.5 cm	35.5x57.5x40.5 cm	43x67x48.5 cm	43x67x48.5 cm
Net weight	18 kg	19 kg	23.5 kg	24.5 kg



4030MH - 4030MH/A

2-way passive/active loudspeaker systems with Modelled Horn

MODEL	4030MH	4030MH/A
Power handling RMS	1080 W	/
Amplifier power	/	500 W (@8 Ohm) - class D
Frequency response (-6 dB)	50÷20k Hz	50÷20k Hz
Peak SPL (@1m)	137 dB	132 dB
Coverage angle (-6 dB)	90° horizontal, 50° vertical	90° horizontal, 50° vertical
Nominal impedance	8 Ohm	/
Transducers	LF 2x15"- neodymium magnet, HF 1x1"- titanium membrane	
Crossover frequency	1.8 kHz	/
Power supply	/	switching technology
AC voltage	/	115/230 VAC ±10%, 45-65 Hz
DSP on board	/	24 bit/96 kHz (2 sel. presets)
Cabinet	birch plywood	birch plywood
Colour	black	black
Input connectors	2xNL4 speakON	XLR - max +10 dBu
Dimensions (WxHxD)	43x115x49 cm	43x115x49 cm
Net weight	39 kg	40 kg

Forty series - subwoofers

The **subwoofers** of the Forty series are *band-pass* type, in which the radiation of the loudspeaker does not take place directly, but by means of two resonance cavities, one front and one rear. In this way, maximum efficiency is achieved in reproducing low frequencies only, without interfering with the other components of the system. Thanks to the special configuration, the membrane of the loudspeaker is subject to much less movement compared to traditional *reflex* systems, thus producing a strong reduction in distortion even at the maximum power.

The cabinets feature a very sturdy structure with special reinforcements that cancel any form of parasitic vibrations and are protected with a special scratch-proof polyurethane paint. The protective grilles, “transparent” to the sound reproduced, are crash-resistant.



40SW15 - 40SW15/A

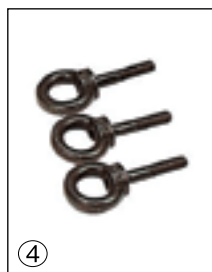
Passive/active 15” subwoofers

40SW18 - 40SW18/A

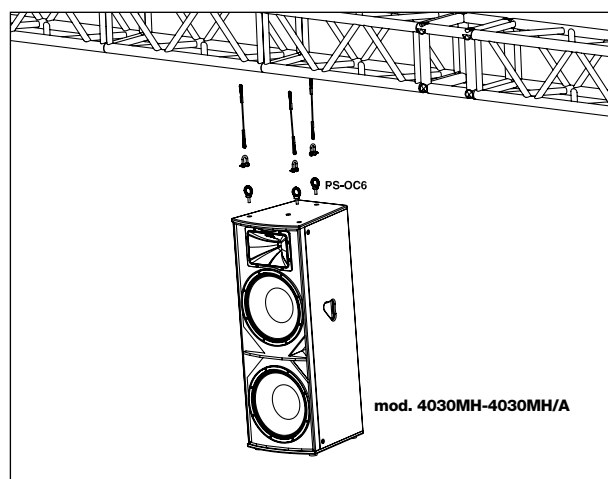
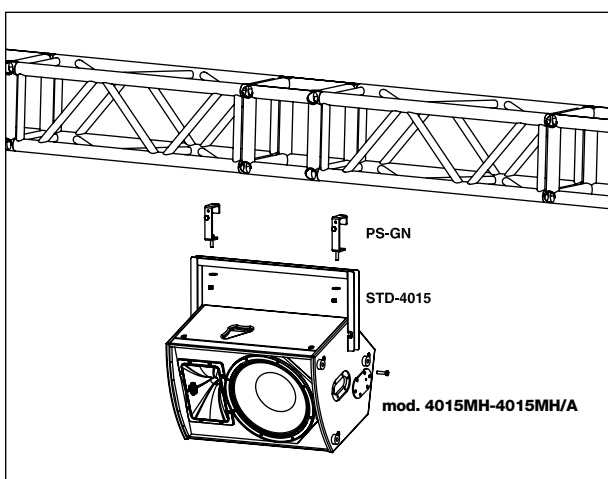
Passive/active 18” subwoofers

MODEL	40SW15	40SW15/A	40SW18	40SW18/A
Acoustical coupling	band pass	band pass	band pass	band pass
Power handling RMS	550 W	/	600 W	/
Amplifier power	/	500 W (@ 8 Ohm) class D	/	500 W (@ 8 Ohm) class D
Frequency response (-6 dB)	45÷120 Hz	45÷120 Hz	40÷120 Hz	40÷120 Hz
Peak SPL (@1m)	133 dB	130 dB	134 dB	130 dB
Nominal impedance	8 Ohm	/	8 Ohm	/
Transducers	LF 1x15”	LF 1x15”	LF 1x18”	LF 1x18”
Power supply	/	switching tech.	/	switching tech.
AC voltage	/	115/230 VAC ±10%	/	115/230 VAC ±10%
DSP on board	/	24 bit/96 kHz (2 sel. presets)	/	24 bit/96 kHz (2 sel. presets)
Cabinet	birch plywood	birch plywood	birch plywood	birch plywood
Colour	black	black	black	black
Input connectors	2xNL4 speakON	XLR - max +10 dBu	2xNL4 speakON	XLR - max +10 dBu
Dimensions (WxHxD)	44x59.5x71 cm	44x59.5x71 cm	50x66.5x77 cm	50x66.5x77 cm
Net weight	32.5 kg	33.5 kg	39.5 kg	40.5 kg

Forty series - accessories



- ① **STD-4008** - Horizontal flying bracket for Forty 4008 loudspeaker system + 10MA adapter flange
- ① **STD-4010** - Horizontal flying bracket for Forty 4010MH loudspeaker system + 10MA adapter flange
- ① **STD-4012** - Horizontal flying bracket for Forty 4012MH loudspeaker system + 10MA adapter flange
- ① **STD-4015** - Horizontal flying bracket for Forty 4015MH loudspeaker system + 10MA adapter flange
- ② **STD-WALL** - Wall bracket for vertical support of a Forty series upper module (except for mod. 4030MH)
- ③ **PS-GN** - Stainless steel hook for the attachment to a rigging system
- ④ **PS-OC6** - Kit of three 10MA eyelets for vertical hanging of a Forty series upper module (except for mod. 4008)
- ⑤ **PS-ST100** - Adjustable-height stand holder for subwoofer-upper module connection
- ⑥ **PS-ST125** - Adjustable-height three-legged stand for a Forty series upper module (except for mod. 4030MH)



Forty series - endorsements



Sport venues

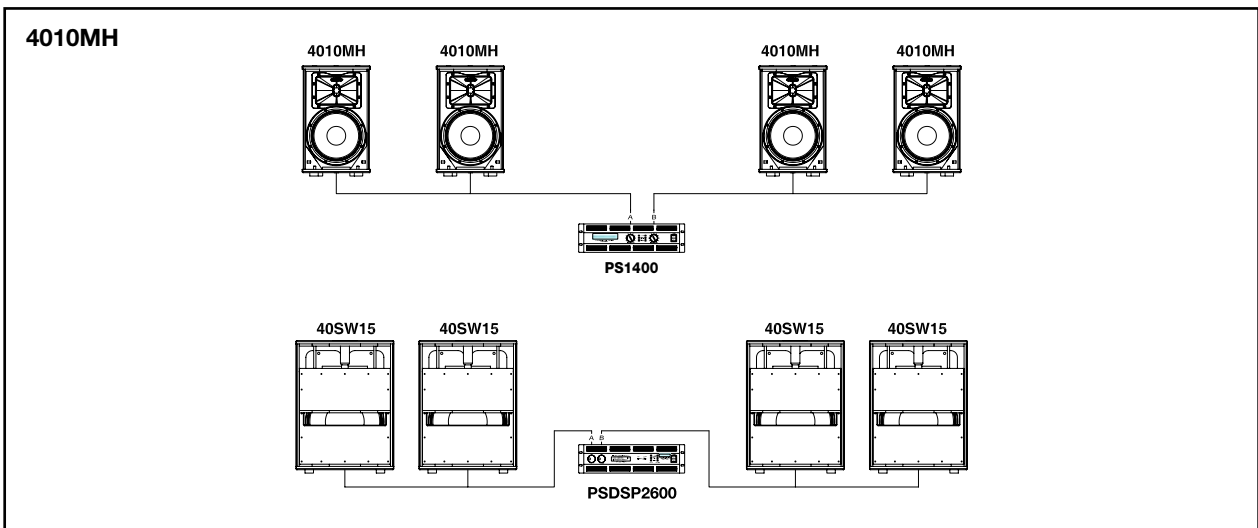
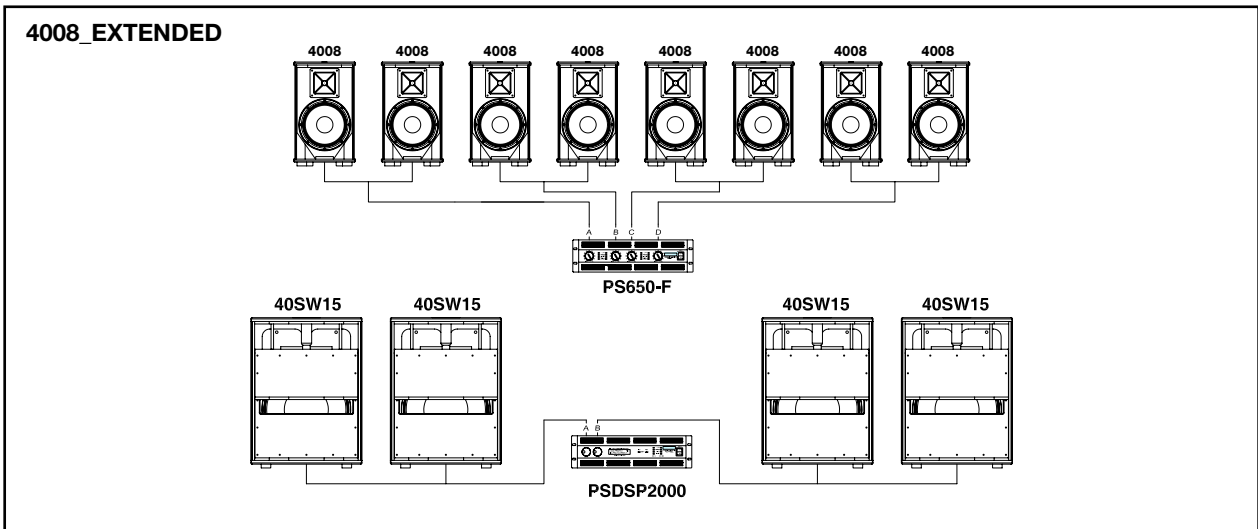
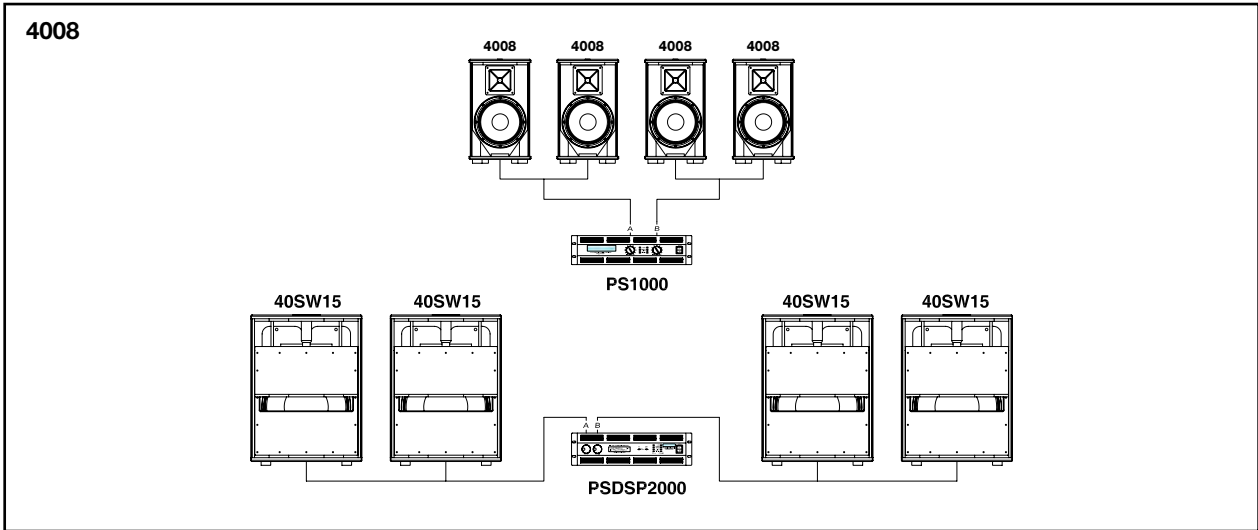


Fixed installs & clubs

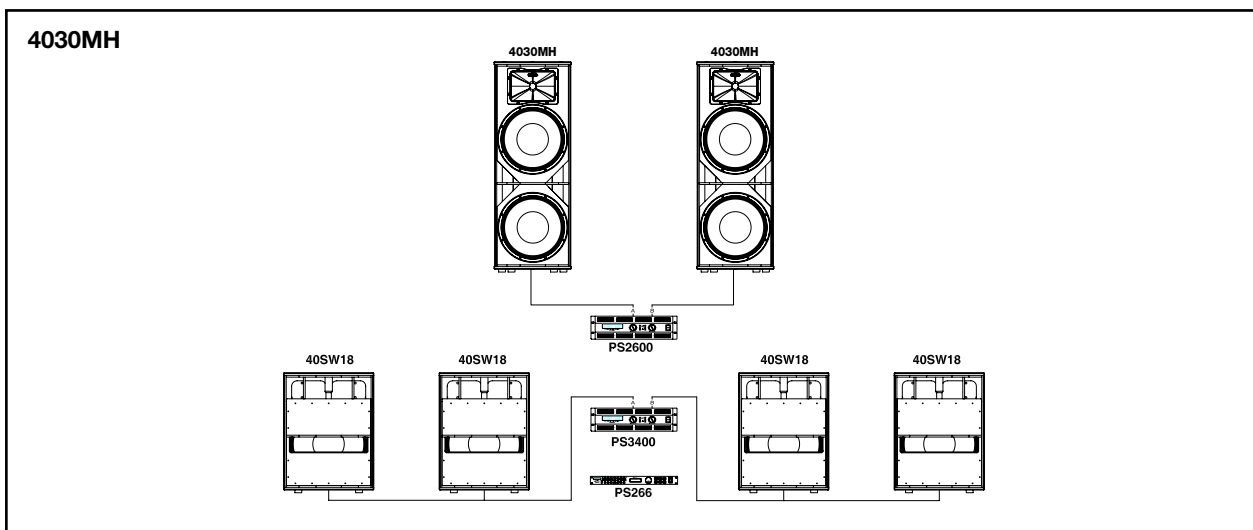
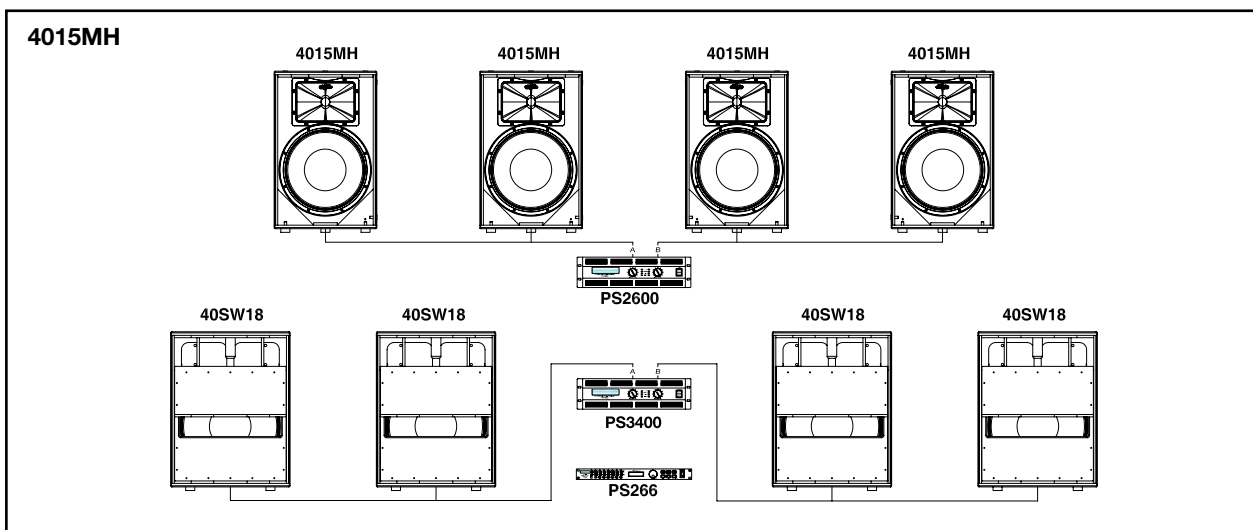
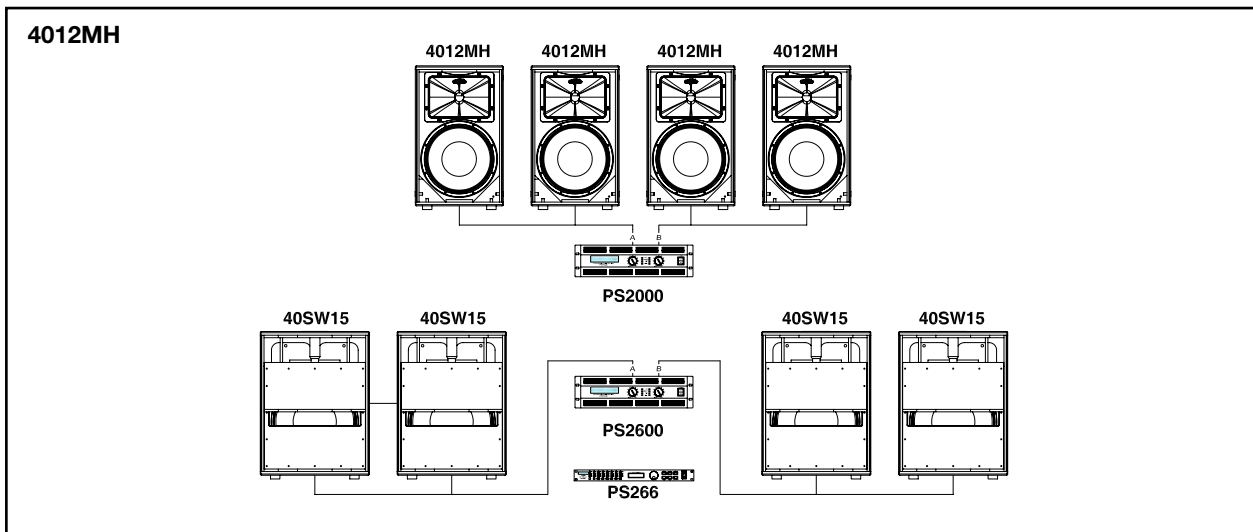


Advertising

Forty series



System configurations



 More info at: www.peeckersound.com

Forty series



4008



4010MH



4012MH

Passive loudspeaker system	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active loudspeaker system			
Power handling RMS	220 W	300 W	450 W
Amplifier power RMS	/	/	/
Peak SPL (@1m)	124 dB	129 dB	132 dB
Sensitivity (1W@1m)	95 dB	98 dB	99 dB
Dispersion angle (- 6 dB)	50° horiz, 50° vert	90° horiz, 40° vert	90° horiz, 50° vert
Nominal impedance	8 Ohm	8 Ohm	8 Ohm
Dual-tilt cabinet for stage monitor use	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Birch plywood cabinet	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Polyurethane varnish	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dimensions (WxHxD, cm)	24.5x40x29	30.5x49x33	35.5x57.5x40.5
Net weight (kg)	8.5	13.5	18
Loudspeakers with Neodymium magnet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tweeter diaphragm material	Phenolic resin	Mylar	Mylar
Horn type	ABS with glass	AWSH®	AWSH®
Crossover frequency cut	2.5 kHz	2 kHz	1.8 kHz
Air core coils (HF) and containing <i>ferrite powder</i> (LF)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HPCCR®	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DSP on board	/	/	/
Power supply	/	/	/
Power stage	/	/	/
N. of selectable presets	/	/	/
Dual-tilt flange (0° / 7.5°) for stand holder mounting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Both horizontal and vertical suspension	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Suspension accessories	STD-4008 STD-WALL	STD-4010 STD-WALL PS-OC6	STD-4012 STD-WALL PS-OC6
Speaker efficiency (Max SPL/Nom. Power)	124/220 = 0.56 dB/W	0.43 dB/W	0.29 dB/W
Real Power*/Weight ratio	440/8.5 = 52 W/kg	44.5 W/kg	50 W/kg
Quality/Price ratio**	● ● ● ● ○	● ● ● ○ ○	● ● ● ○ ○
Versatility index***	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ●

*= with *Real Power* we mean:

a) the *real power* of the on board amplifier, if the loudspeaker systems are *self-powered*,

b) the *suggested power* of the related amplifiers, if the loudspeaker systems are *passive* (note: Peecker Sound engineers have established this value as follows: $P_{suggested} = 2 \times P_{nom.}$).

**= this indicator is a useful tool to assess how good value a Peecker Sound loudspeaker system is and its positioning in the relevant market segment.

It is nonetheless a subjective indicator - expressed in terms of the *Likert scale* - which defines the ratio between the *quality* of a product - i.e. the ability of a loudspeaker system to meet a series of requisites accepted across the board in the field of professional audio systems - and its *price*, considering the pertinent market and the average prices of competitor products used for the same specific purpose.

***= the Peecker Sound Sales Office used this indicator with the aim of assessing how effectively loudspeaker systems can be used in a variety of different applications and locations, in fixed or portable installations, indoors or outdoors. The meaning of *versatility* (or *multi-tasking*) capacity is the ability of a loudspeaker system to perform a range of different tasks, and this is a fundamental aspect to take into consideration in order to assess an audio product for anyone who has to manage a variety of different music events.

Comparison chart



4012MH/A

4015MH

4015MH/A

4030MH

4030MH/A

	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
/	550 W	/	1080 W	/
500 W (@8 Ohm)	/	500 W (@8 Ohm)	/	500 W (@8 Ohm)
130 dB	133 dB	131 dB	137 dB	132 dB
99 dB	100 dB	100 dB	101 dB	101 dB
90° horiz, 50° vert	90° horiz, 50° vert	90° horiz, 50° vert	90° horiz, 50° vert	90° horiz, 50° vert
/	8 Ohm	/	8 Ohm	/
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
35.5x57.5x40.5	43x67x48.5	43x67x48.5	43x115x49	43x115x49
19	23.5	24.5	39	40
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mylar	Mylar	Mylar	Titanium	Titanium
AWSH®	AWSH®	AWSH®	AWSH®	AWSH®
/	1.8 kHz	/	1.8 kHz	/
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	/	<input checked="" type="checkbox"/>	/	<input checked="" type="checkbox"/>
switching	/	switching	/	switching
class D	/	class D	/	class D
2	/	2	/	2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STD-4012 STD-WALL PS-OC6	STD-4015 STD-WALL PS-OC6	STD-4015 STD-WALL PS-OC6	PS-OC6	PS-OC6
0.26 dB/W	0.24 dB/W	0.26 dB/W	0.13 dB/W	0.26 dB/W
26.5 W/kg	47 W/kg	20.5 W/kg	55.5 W/kg	12.5 W/kg
● ● ● ● ○	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ○	● ● ● ● ●
● ● ● ● ○	● ● ● ● ○	● ● ● ○ ○	● ● ● ○ ○	● ● ○ ○ ○

KEY TO THE SYMBOLS

= as standard for that model

= not available for that model

/ = not admissible



INTEGRATED DSP CONTROL SYSTEM
48KHz SAMPLING RATE

INTEGRATED DSP CONTROL SYSTEM
48KHz SAMPLING RATE
CHA: -1.5dB
CHB: +2.0dB

CHA

CHB

INPUT
OUTPUT

INPUT
OUTPUT
PC REMOTE

PUSH
LEVEL

PSDSP amplifiers

“The power of a state-of-the-art DSP”.

APPLICATIONS

Rehearsal studios, demo rooms - Dance clubs, night clubs, ballrooms and other dancing venues (*any size*)
- Beach clubs, bathing establishments - Amusement parks, theme parks and circus shows - Cinemas -
Multi-purpose halls, sports, recreational and/or cultural venues - Corporate events - Multimedia installations for exhibitions, shows and other events.

KEY FEATURES

- Onboard *24 bit / 48 kHz* DSP processor with 20 user memories;
- Control from PC of a network of devices (up to 255 units);
- Output stages: *Class AB*;
- Three-band parametric equalizer, limiter, adjustable attack and release times, delay and phase inversion;
- Bessel, Butterworth or Linkwitz-Riley type crossover filters with slope of up to 48 dB/oct;
- Back-lit LCD display with 2x20 characters and rotary encoder knobs for the menus;
- Complete protection against short circuits, overloads, overheating, anti-bump and direct current in output;
- Peecker Sound TQM.

The Peecker Sound **PSDSP** amplifiers, available in *three* models differentiated according to power levels (**PSDSP2000**, **PSDSP2600** and **PSDSP3400**), are conceived to merge both high performance with the latest digital technology in the audio signal management. All the models feature a 24-bit *Digital Signal Processor (DSP)* and dynamic range of up to 116 dB which enables remote control from PC of all the acoustic parameters of the powered speakers, including fully parametric three-band equalization, limiter function, crossover, delay control and so on. Therefore, by connecting a personal computer to a serial port, the amplifier can be “programmed” in order to obtain the best speaker setting according to the type of use. It is necessary only to install the **PSDSP_6** software that can be found in the CD-ROM provided with each Peecker Sound amplifier of this series, download from the website the *.dat* files of each speaker to be driven (on the specific product page) and then import them as program sources. By simply entering the dedicated ID it is possible to handle a network of devices – up to *255 units* – connected in cascade.

The amplifiers come complete with back-lit display on which the user can view the various menus, which are managed using the encoder knob also used for adjusting the output levels, activating a variety of functions, and selecting the desired preset from *20 memories* previously uploaded from PC.

As regards the other technical aspects, the electronic circuitry enables constant power delivery even at high loads, with low heat dissipation and high efficiency; in addition, the power supply is protected against over-voltage, overheating and short circuits. Each power amplifier is completely independent in terms of both electrical and thermal protection; each channel has its own dissipater and independent temperature control that acts directly on the cooling fan.



PSDSP2000

Stereo power amplifier with DSP

Output Power into 4 Ohm	2×1000 W
Output Power into 8 Ohm	2×650 W
Frequency response	20÷20k Hz (± 0.5 dB)
THD+N	< 0.1% (@1 kHz)
Input gain controls	-∞ ÷ +6 dB
Output circuitry	class AB
DSP on board	24 bit/48 kHz (20 sel. presets)
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (W×H×D)	483 (19")×132 (3RU)×488 mm
Net weight	32 kg



PSDSP2600

Stereo power amplifier with DSP

Output Power into 4 Ohm	2×1300 W
Output Power into 8 Ohm	2×850 W
Frequency response	20÷20k Hz (± 0.5 dB)
THD+N	< 0.1% (@1 kHz)
Input gain controls	-∞ ÷ +6 dB
Output circuitry	class AB
DSP on board	24 bit/48 kHz (20 sel. presets)
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (W×H×D)	483 (19")×132 (3RU)×488 mm
Net weight	32 kg



PSDSP3400

Stereo power amplifier with DSP

Output Power into 4 Ohm	2×1700 W
Output Power into 8 Ohm	2×1000 W
Frequency response	20÷20k Hz (± 0.5 dB)
THD+N	< 0.1% (@1 kHz)
Input gain controls	-∞ ÷ +6 dB
Output circuitry	class AB
DSP on board	24 bit/48 kHz (20 sel. presets)
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (W×H×D)	483 (19")×132 (3RU)×488 mm
Net weight	33 kg





PS amplifiers + PS266

“Robustness, long-life and high reliability”.

APPLICATIONS

Disco clubs, night clubs, pubs, dine&dance and other dancing venues (*any size*) - Wine/lounge bars and HO.RE.CA. (*Hotels, Restaurants and Cafés*) - Beach clubs, bathing establishments - Casinos, game rooms, cruise ships - Amusement parks, theme parks and circus shows - Multi-purpose halls, sports, recreational and/or cultural venues - Convention and trade show centres - Corporate events - Beauty salons and fitness centres - Other fixed installations (shopping malls, shops, airports, etc.).

KEY FEATURES - PS AMPS

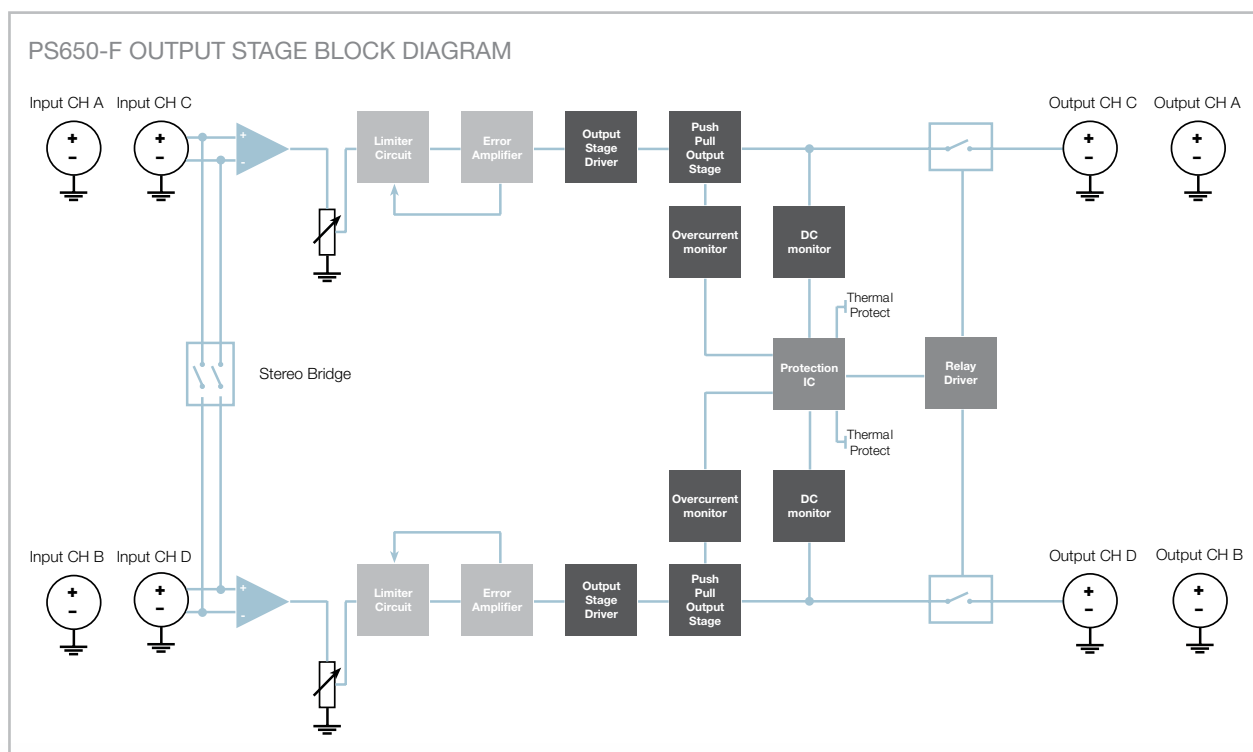
- Output stages: *Class AB*;
- Clip limiter protection against strong intensity signals and anti-bump circuitry;
- Complete protection against short circuits, overloads, overheating and direct current in output;
- Low noise and distortion;
- Efficient cooling system with forced ventilation;
- Peecker Sound TQM.

The **PS series** amplifiers are designed to respond to the specific needs of professional audio that are based on the criteria of maximum reliability and functionality. The amplification stages of each single channel are housed in interchangeable modules that can be easily installed in or removed from the main rack, thanks to the electrical connection using wiring with removable connectors. This enables the immediate replacement of the power stages in the event of a malfunction.

The units are equipped with forced-air ventilation, which is automatically activated when the temperature climbs higher than 60°C.

All the amplifiers of the series are characterized by a special electronic configuration which, at the same output power, is subject to less dissipation, with consequent lower consumption compared to other products of the same market segment.

The amplifiers also feature an internal limiter that can be disabled by means of a dedicated *jumper*, as well as protection against short circuits, overloads or excessively high temperatures. In addition, all the PS series amplifiers include *anti-bump* circuitry and *DC fault* protection on the output to prevent damage to the connected speakers.



PS1000

Stereo power amplifier

Output Power into 4 Ohm	2x450 W
Output Power into 8 Ohm	2x280 W
Bridged Output Power into 8 Ohm	1x880 W
Frequency response	20÷20k Hz (± 0.5 dB)
THD+N	< 0.1% (@1 kHz)
Input gain controls	-∞ ÷ 0 dB
Output circuitry	class AB
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (WxHxD)	483 (19")x88 (2RU)x388 mm
Net weight	14 kg



PS1400

Stereo power amplifier

Output Power into 4 Ohm	2x700 W
Output Power into 8 Ohm	2x450 W
Bridged Output Power into 8 Ohm	1x1300 W
Frequency response	20÷20k Hz (± 0.5 dB)
THD+N	< 0.1% (@1 kHz)
Input gain controls	-∞ ÷ 0 dB
Output circuitry	class AB
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (WxHxD)	483 (19")x132 (3RU)x488 mm
Net weight	22 kg



PS2000

Stereo power amplifier

Output Power into 4 Ohm	2x1000 W
Output Power into 8 Ohm	2x650 W
Frequency response	20÷20k Hz (± 0.5 dB)
THD+N	< 0.1% (@1 kHz)
Input gain controls	-∞ ÷ 0 dB
Output circuitry	class AB
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (WxHxD)	483 (19")x132 (3RU)x488 mm
Net weight	32 kg



PS2600

Stereo power amplifier

Output Power into 4 Ohm	2×1300 W
Output Power into 8 Ohm	2×850 W
Frequency response	20÷20k Hz (± 0.5 dB)
THD+N	< 0.1% (@ 1kHz)
Input gain controls	-∞ ÷ 0 dB
Output circuitry	class AB
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (W×H×D)	483 (19")×132 (3RU)×488 mm
Net weight	32 kg



PS3400

Stereo power amplifier

Output Power into 4 Ohm	2×1700 W
Output Power into 8 Ohm	2×1000 W
Frequency response	20÷20k Hz (± 0.5 dB)
THD+N	< 0.1% (@1 kHz)
Input gain controls	-∞ ÷ 0 dB
Output circuitry	class AB
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (W×H×D)	483 (19")×132 (3RU)×488 mm
Net weight	33 kg



PS650-F

Four-channel stereo amplifier

Output Power into 4 Ohm	4×650 W
Output Power into 8 Ohm	4×300 W
Bridged Output Power into 8 Ohm	2×1200 W
Frequency response	20÷20k Hz (± 0.5 dB)
THD+N	< 0.1% (@1 kHz)
Input gain controls	-∞ ÷ 0 dB
Output circuitry	class AB
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (W×H×D)	483 (19")×132 (3RU)×488 mm
Net weight	30 kg





PS266

Digital speaker management system

Input channels	2
Output channels	6
Frequency response	15÷20k Hz (±0.25 dB)
PEQ bands	max 12 for each input/output channel
PEQ width	from 0.05 to 3 octaves (0.05 step)
PEQ gain	from -15 to 15 dB
HPF and LPF shapes	Bessel from 12 to 24 dB/oct, Butterworth from 6 to 48 dB/oct, Linkwitz-Riley from 12 to 48 dB/oct
Delay	max 630 ms (21 µs step)
PC remote control	Digital Speaker software
Power requirements	90-250 VAC, 50-60 Hz
Dimensions (W×H×D)	483 (19")×44 (1RU)×225 mm
Net weight	3 kg

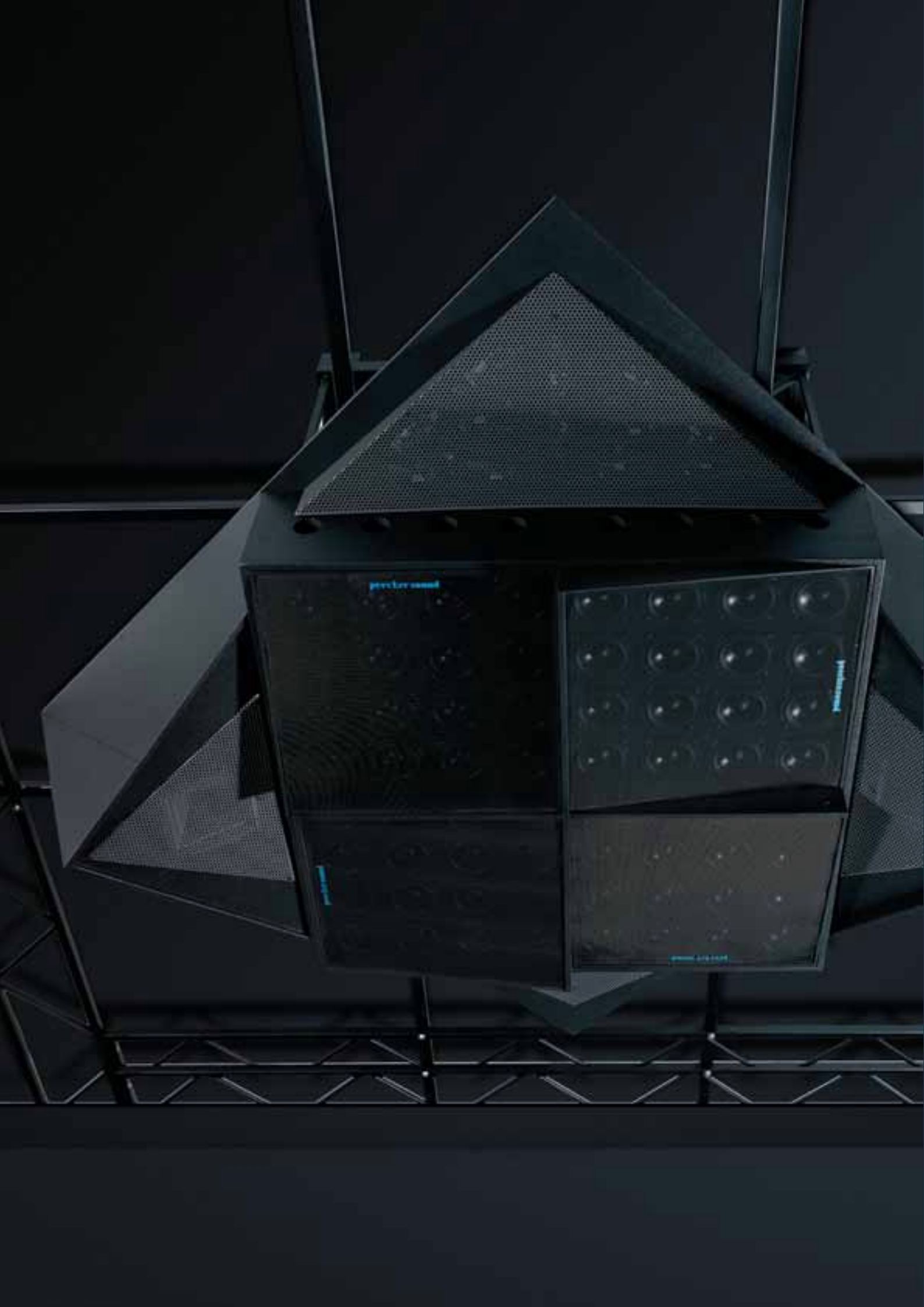
The **PS266 Digital Speaker Management System** is a true "intelligent" processor, the state of the art in professional audio. The PS266 allows the user to configure the reproduced sound using *60 presets*, factory-installed or downloadable by the user from external PC or panel, and obviously performs all the typical audio functions (EQ, frequency cuts, etc.) for conforming and optimizing the response of the speakers to the user's needs in the specific listening environment. The processor comprises a digital electronic device with crossover filters with slope of up to 48 dB/oct that makes it possible to manage audio systems in multi-amplification up to *6-way mono* or *3-way stereo*.

The device is equipped with a LED bar graph for the input section with step indication of the input level (-30 dB, -24 dB, -6 dB, -3 dB) and with the LIMIT and CLIP strings indicating the moment in which the signal reaches or exceeds the applicable threshold or when there is excess gain or EQ on one or more outputs; the LED bar graphs for the output sections provide the same indications referring to the limiter threshold set for each output.

An encoder knob situated on the right of the display is used for fast switching access to the various menus and for modifying the system parameters and/or setting the inputs and outputs, as well as selecting from the 60 user memories one of the presets previously uploaded from PC.

The key features are:

- parametric equalizer with up to 12 bands or shelving EQ on each input and output;
- 60 programmable user memories;
- *Bessel, Butterworth or Linkwitz-Riley* type crossover filters with adjustable frequency (15 Hz - 16 kHz); slope: 6, 12, 18, 24, 48 dB/oct;
- signal delay up to 630 ms (with 21 µs steps) on inputs and outputs;
- limiter with adjustable threshold and automatic attack and release times;
- front panel with controls for channel muting, LED indication for signal level, LCD display and controls for menu navigation;
- anti-tampering security lockout mode (with security password);
- programmable from front panel or from PC via easy-to-use *Graphical User Interface (GUI)*.



professional

professional

professional

professional

Double Array series®

“Music inside, silence outside”.

APPLICATIONS

Dance clubs, night clubs, wine/lounge bars (*especially outdoors*) - HO.RE.CA. (*Hotels, Restaurants and Cafés*) - Beach clubs, bathing establishments - Casinos, game rooms, cruise ships - Amusement parks and theme parks - Cinemas (*roof reinforcement*) - Other fixed installations that require acoustic emission control in confined areas or in case of noise pollution problems.

KEY FEATURES

- Patented system **No. 01280080**;
- *Controlled Radiation Beam* (controlled directivity system);
- Possibility to break the system up into sub-modules;
- Dedicated control electronics (limiting guaranteed with AMCL2);
- Possibility to insert strobe lights;
- Cabinet made of quality marine grade plywood with weatherproofing treatment;
- Peecker Sound TQM.



These controlled radiation stereo systems feature the exclusive *double array* configuration and – better than any other conventional speaker – allow the user to concentrate sound emission in a well-defined area. The **Double Array** series is characterized by an exclusive system of loudspeaker positioning – on a *double line* – and makes it possible to obtain an extremely concentrated sound beam along the axis perpendicular to the plane on which the loudspeakers are situated. The low frequency section comprises professional woofers with water-repellent and tropicalized diaphragms, suitable for use also in outdoor environments with high humidity. The mid-high frequency section has two tweeters with controlled directivity horns (90°x75°) and 1” compression drivers. The driver diaphragms are made of carbon fibre and are equipped with special static air pressure equalizers and rephasing devices able to extend the frequency response up to the extreme audible limit.

AS6

Controlled radiation system with Double Array (bi-dimensional loudspeaker distribution)

Power handling RMS	450 W
Frequency response (-6 dB)	65÷19k Hz
Peak SPL (@1m)	127 dB
Coverage angle (-6 dB)	90° horizontal, 75° vertical
Nominal impedance	6 Ohm
Transducers	LF 6x5”, HF 1x1”- titanium membrane
Crossover frequency	1.8 kHz
Cabinet	birch plywood
Colour	black
Input connectors	2xNL4 speakON
Dimensions (WxHxD)	34.5x77x32.5 cm
Net weight	22 kg



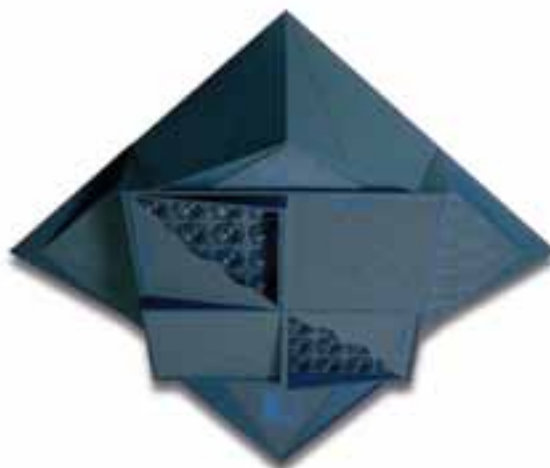
Download DAS + JUMP UP full catalogue at: www.peeckersound.com

AS60

Controlled radiation stereo system with Double Array (bi-dimensional loudspeaker distribution)

Power handling RMS	1300+1300 W
Frequency response (-6 dB)	65÷19k Hz
Peak SPL (@1m)	134 dB
Nominal impedance (LF/HF)	8+8 Ohm / 8+8 Ohm
Nominal impedance (with DP60/120)	8+8 Ohm
Transducers	LF 36x5", HF 2x1" titanium membrane
Crossover freq. (with DP60/120)	1.8 kHz
Covered area (@ height = 3.5 m)	35 m²
High-attenuation distance (-20 dB)	7 m
Patent Number	01280080

Cabinet	birch plywood
Colour	black
Input connectors	2xNL4 speakON
Dimensions (WxHxD)	139x139x47.5 cm
Net weight	182 kg

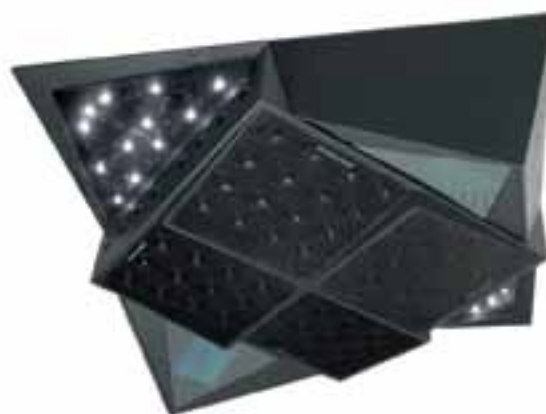


AS120

Controlled radiation stereo system with Double Array (bi-dimensional loudspeaker distribution)

Power handling RMS	2285+2285 W
Frequency response (-6 dB)	60÷19k Hz
Peak SPL (@1m)	138 dB
Nominal impedance (LF/HF)	8+8 Ohm / 8+8 Ohm
Nominal impedance (with DP60/120)	8+8 Ohm
Transducers	LF 64x5", HF 2x1" titanium membrane
Crossover freq. (with DP60/120)	1.8 kHz
Covered area (@ height = 3.5 m)	55 m²
High-attenuation distance (-20 dB)	9 m
Patent Number	01280080

Cabinet	birch plywood
Colour	black
Input connectors	2xNL4 speakON
Dimensions (WxHxD)	181.5x181.5x51.5 cm
Net weight	214 kg

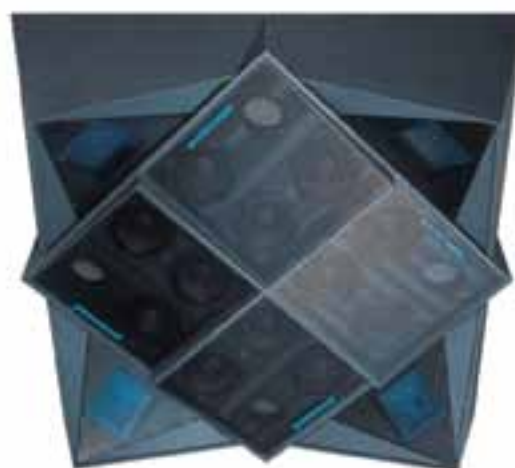


AS180

Controlled radiation stereo system with Double Array (bi-dimensional loudspeaker distribution)

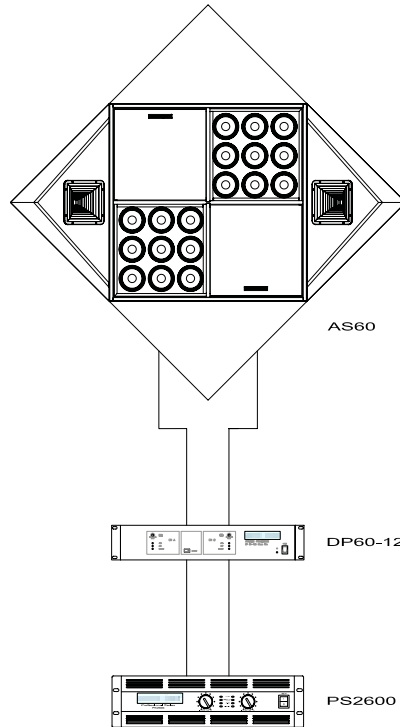
Power handling RMS	1600+1600 W
Frequency response (-6 dB)	50÷19k Hz
Peak SPL (@1m)	140 dB
Nominal impedance (LF/HF)	4+4 Ohm / 16+16 Ohm
Nominal impedance (with DP180)	4+4 Ohm
Transducers	LF 12x10" neodymium magnet, HF 4x1" titanium membrane
Crossover freq. (with DP180)	1.8 kHz
Covered area (@ height = 3.5 m)	110 m²
High-attenuation distance (-20 dB)	13 m
Patent Number	01280080

Cabinet	birch plywood
Colour	black
Input connectors	2xNL4 speakON
Dimensions (WxHxD)	181.5x181.5x58.5 cm
Net weight	194 kg

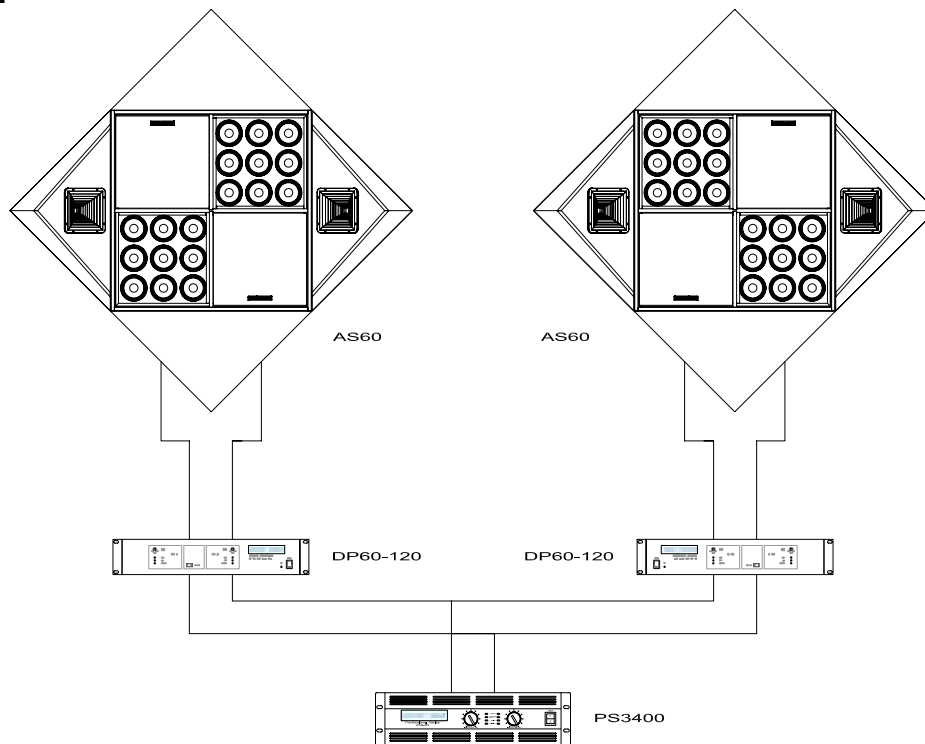


Double Array series

AS60

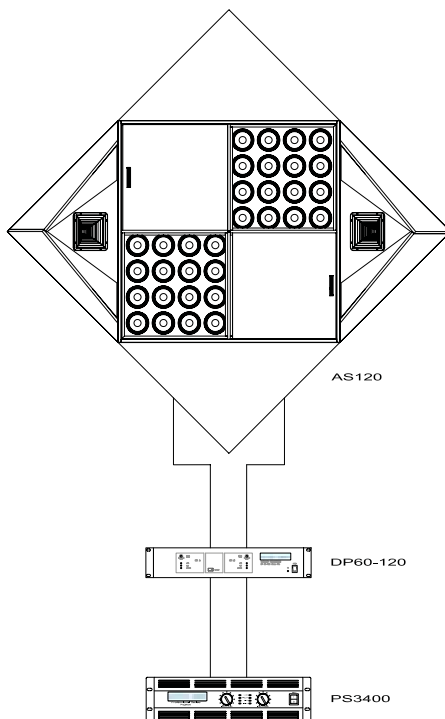


AS60_DUAL

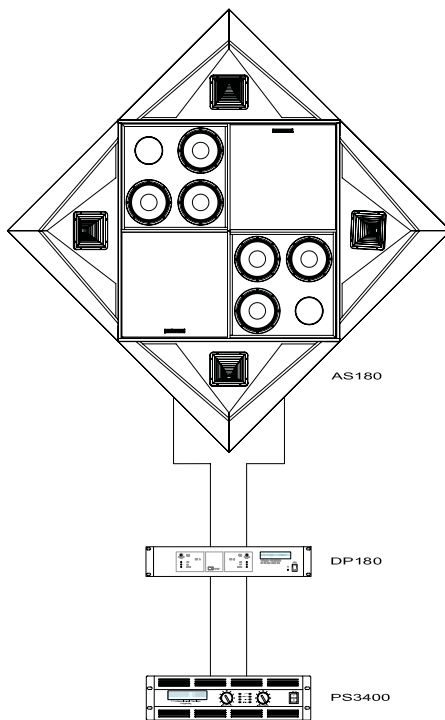


System configurations

AS120



AS180



More info at: www.peeckersound.com

peecker sound

VIBRATIONAL DANCE FLOOR

VIBRATIONAL DANCE FLOOR

Bone conduction series®

“Having 95 dB, but feeling 120!”

APPLICATIONS

Dance clubs, night clubs, ballroom dancing and other dancing venues (*any size*) - HO.RE.CA. (*Hotels, Restaurants and Cafés*) - Beach clubs, bathing establishments - Casinos, game rooms, cruise ships - Amusement parks and theme parks.

KEY FEATURES

- Patented system **No. 01296753**;
- Efficiency (*Acoustic power/Electric power*) close to 75%;
- Modular structure (modules of 1 square metre each);
- Tread surface in steel or aluminium;
- Electro-dynamic transducers featuring high resistance and efficiency;
- Dedicated control electronics;
- Peecker Sound TQM.



Human beings are able to perceive acoustic signals in *two* ways: the first is by way of the natural auditory canal and the second, much less utilized, by way of the bones. Experiments conducted in military settings as far back as *World War II* showed that even people with auditory canals entirely insulated – e.g. by means of earphones or plugs – were able to perceive acoustic signals.

The **Jump Up** *vibrational dance floor* is designed to produce acoustic sensations transmitted by the rhythmic base of the musical signal without propagating an audible sound wave. Jump Up is the only dance floor that can induce a perfect physical sensation of the sound in compliance with the laws on noise pollution in public venues. In fact, with only 95 dB in your ears and Jump Up under your feet, your body perceives at least 120 dB!

Jump up is versatile and modular, thanks to its sectional modules measuring 1 m x 1 m (W x D). For best effects, use it with **Double Array** series, the *controlled directivity system* capable of concentrating the decibels just on the dance floor. A partnership for a guaranteed effect.



Download DAS + JUMP UP full catalogue at: www.peeckersound.com



J-UpMAL and J-UpMST

Vibrating dance floor module

Trampoline surface (J-UpMAL)	aluminium
Trampoline surface (J-UpMST)	steel
Transducers	electro-mechanical air compression
Patent Number	01296753
Cabinet	stainless steel
Dimensions (WxHxD)	100x19x100 cm
Net weight (J-UpMAL)	10 kg
Net weight (J-UpMST)	11 kg



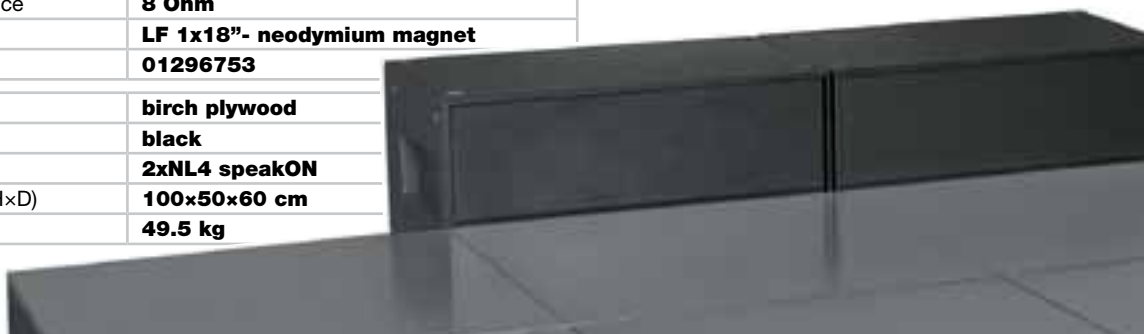
J-UpMAL _____

J-UpMST _____

J-UpPM

Band pass electrodynamic compressor

Power handling RMS	1200 W
N. of floor modules controlled (J-UpMAL or J-UpMST)	6 ÷ 9
Frequency response (-6 dB)	20 ÷ 100 Hz
Peak SPL (@1m)	139 dB
Nominal impedance	8 Ohm
Transducers	LF 1x18"- neodymium magnet
Patent Number	01296753
Cabinet	birch plywood
Colour	black
Input connectors	2xNL4 speakON
Dimensions (WxHxD)	100x50x60 cm
Net weight	49.5 kg



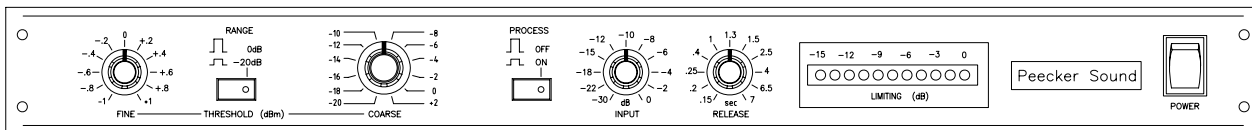
J-UpDSP

Electronic control management system with DSP

Output Power into 4 Ohm	2x1700 W
Output Power into 8 Ohm	2x1000 W
N. of compressors controlled (J-UpPM)	1 ÷ 4
Frequency response	20 ÷ 20k Hz (± 0.5 dB)
THD+N	< 0.1% (@1 kHz)
Input gain controls	-∞ ÷ +6 dB
Output circuitry	class AB
DSP on board	24 bit/48 kHz (20 sel. presets)
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (WxHxD)	483 (19")x132 (3RU)x488 mm
Net weight	33 kg



Controllers



These “intelligent” dynamic controllers are able to adapt the sound emission to the physiological characteristics of hearing and to the characteristics of acoustic perception of the human ear in relation to the intensity of the musical signal.

The **AMCL2** is a multi-band device expressly designed to control the sound pressure level in the space. The *Automatic Multiband Controller & Limiter* has been designed as equipment with unitary gain; the reduced number of controls on the front panel facilitates installation and setup. A closure panel with lock prevents any tampering by unauthorized persons, as prescribed by the laws pertaining to limiting noise pollution.

The **DP60/120** and **DP180** units perform the following operations in real time: receiving the musical signal, breaking it up into the various frequencies, comparing the level with the curve of sensitivity of the ear and generating a compensation curve.



AMCL2

Automatic Multi-band Controller & Limiter

Input channels	2
Output channels	2
Nominal input level	0 dBu
Frequency response	16÷100k Hz (-3 dB)
Release time	from 150 ms to 7 s
Limiter threshold range	from -41 dBu to +3 dBu
Crosstalk	- 86 dB (@10 kHz)
SNR	> 90 dB
CMRR	> 66 dB
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (W×H×D)	483 (19")×44 (1RU)×285 mm
Net weight	4.5 kg



DP60/120

Stereo Dynamic Processor and crossover, specific for AS60 and AS120 speakers

Input channels	2
Output channels	2
Nominal input level	0 dBu
Frequency response	20÷20k Hz (±0.5 dB)
SNR	> 94 dB
Crossover frequency	1.8 kHz
Power requirements	230 VAC ±10%, 50-60 Hz
Dimensions (W×H×D)	483 (19")×88 (2RU)×380 mm
Net weight	9 kg



DP180

Stereo Dynamic Processor and crossover, specific for AS180 speaker

Input channels	2
Output channels	2
Nominal input level	0 dBu
Frequency response	20÷20k Hz (±0.5 dB)
SNR	> 94 dB
Crossover frequency	1.8 kHz
Power requirements	230 VAC ± 10%, 50-60 Hz
Dimensions (W×H×D)	483 (19")×88 (2RU)×380 mm
Net weight	9 kg



Omni-directional noise source

“The best instrument for professionals in acoustics”.

APPLICATIONS

Architectural and construction acoustics - Soundproofing - Acoustic absorption - Measurement of acoustic parameters and evaluation of listening spaces and public performance venues.

KEY FEATURES

- Compliance with the legal requirements for the issue of acoustic certifications;
- Possibility of connection to a PC;
- Wireless remote control;
- Dedicated flight-cases for both the speaker and the amplifier;
- Peecker Sound TQM.

The Peecker Sound **JA12** dodecahedron sound source is designed to have omni-directional emission and therefore complies with the UNI EN ISO 140-3:2006 and UNI EN ISO 3382:2001 standards. Its typical application is in measuring parameters for architectural acoustics: soundproofing, acoustic absorption, measurement of reverberation time, of the pulse response and of the acoustic parameters of performance venues. The speaker complies with the passive acoustic requirements for buildings (Italian D.P.C.M. 5/12/1997) and makes it possible to deliver a full 122 dB of continuous acoustic power. The dedicated **JA1060** amplifier can supply up to 1060 W of power into the JA12 impedance and has a pink noise generator that can be remotely activated using an optional remote control. The amplifier case acts as a base, with a specific hole for fitting the JA12 stand.



JA12 Omni-directional noise source

Power handling RMS	180+180 W
Frequency response (-6 dB)	90÷19k Hz
Maximum Acoustic Power RMS	122 dB (@ 10⁻¹² W)
Nominal impedance	6+6 Ohm
Transducers	12x5" full range
Regulations conformity	UNI EN ISO 140-3:2006, UNI EN ISO 3382:2001
Cabinet	birch plywood
Colour	black
Input connectors	1xNL4 speakON
Dimensions (W×H×D)	38×38.5×38 cm
Net weight	9 kg



JA1060

Class D power amplifier with white/pink noise generator

Power Output	1060 W (@12 Ohm)
Noise digital waveform generator	white/pink
Frequency response	20÷20k Hz (±0.5 dB)
Amplifier input sensitivity	0 dBu
THD+N	< 0.1% (@1 kHz)
Amplifier input connector	Neutrik Combo
Amplifier output connector	Neutrik NL4 speakON
Generator output connector	Neutrik XLR
Power requirements	230 VAC ±10%, 50-60 Hz (24V-17A optional)
Dimensions (W×H×D)	58×55×53 cm (flight case with JA1060 inside)
Net weight	34 kg (flight case with JA1060 inside)



JAGR01

Portable white/pink noise generator

Noise waveform generator	white/pink
Frequency response	40÷22k Hz (-3 dB)
Output level	-∞ ÷ 0 dB
Output impedance	50 Ohm, electronically unbalanced
Output connector	Neutrik XLR
Power requirements	12 VDC
Dimensions (W×H×D)	182×40×110 mm
Net weight	850 g

JA12 accessories



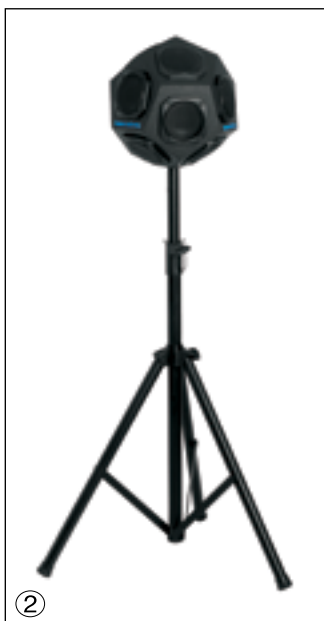
①



⑥



④



②



③



⑦

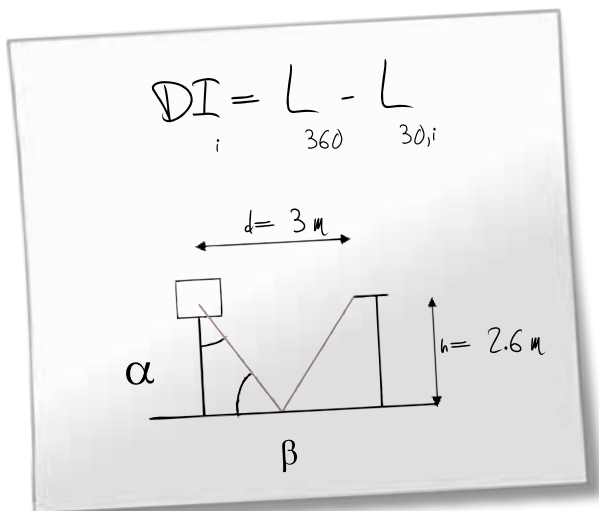
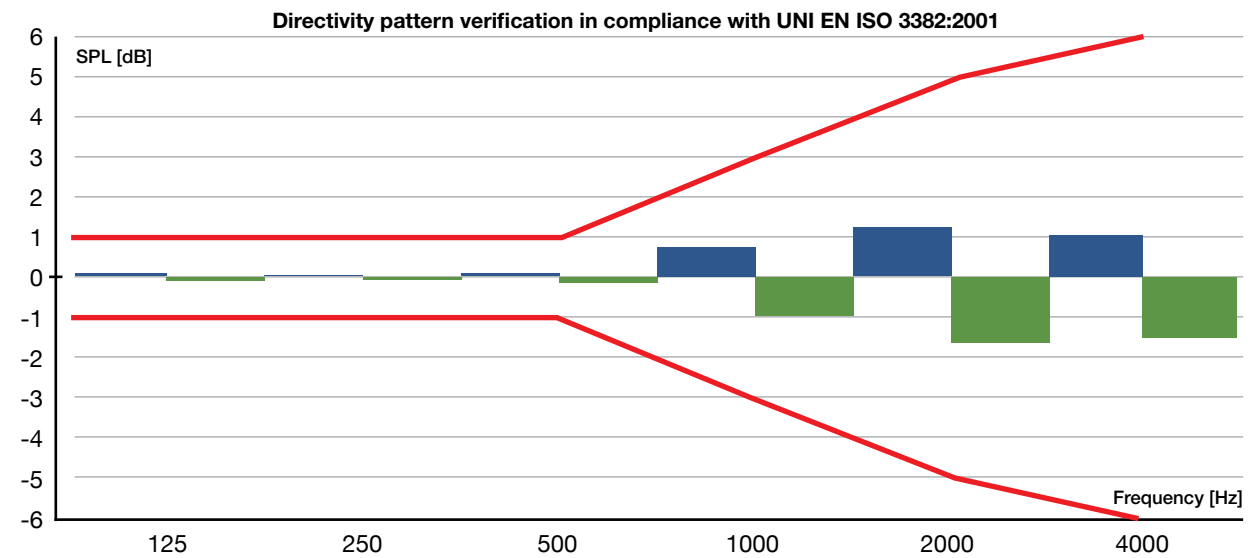
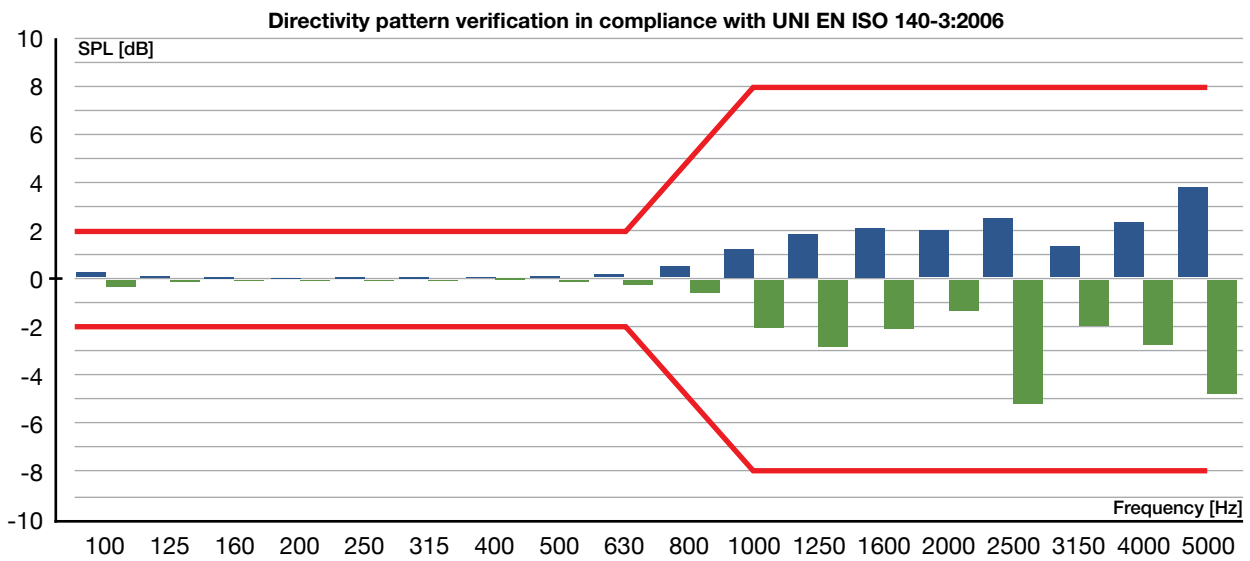


⑤

- ① **PS-ST100** - Adjustable-height stand holder for flight case-JA12 connection
- ② **PS-ST125** - Adjustable-height three-legged stand for JA12 loudspeaker system
- ③ **JA-BT** - Battery supply kit for JA1060 amplifier
- ④ **JA-RC** - Wireless remote control kit for JA1060 amplifier
- ⑤ **FC-JA12** - Professional flight-case made of phenolyc plywood with foam inside. It is dedicated to JA12 speaker
- ⑥ **FC-JA1060** - Professional flight-case made of phenolyc plywood with foam inside and equipped with castors.
It is dedicated to JA1060 amplifier and prearranged for PS-ST100 stand holder
- ⑦ **FCJA-BT** - Professional flight-case made of phenolyc plywood with foam inside. It is dedicated to JA-BT battery supply kit. The package includes 4 *Lithium* batteries

JA12 certifications

— Limit
— Measured values



Product series



APPLICATIONS

UPTURNED T

FORTY

Concert & Touring events	<input checked="" type="checkbox"/> ¹ (small scale)	
Open air events, mobile festivals, etc.	<input checked="" type="checkbox"/> ¹ (small scale)	<input checked="" type="checkbox"/> ³ (small-medium scale)
Portable systems for musicians, bands and entertainers	<input checked="" type="checkbox"/> ¹ (small-medium scale)	<input checked="" type="checkbox"/> ³ (medium scale)
Rehearsal studios and demo rooms	<input checked="" type="checkbox"/> ¹	<input checked="" type="checkbox"/>
Live music clubs, music pubs and other venues with live music	<input checked="" type="checkbox"/> ¹ (small-medium size)	
Dance clubs, night clubs and other dancing venues	<input checked="" type="checkbox"/> ² (any size)	<input checked="" type="checkbox"/> (any size)
Wine/lounge bar and HO.RE.CA. (Hotel, Restaurant and Cafés)	<input checked="" type="checkbox"/> ²	<input checked="" type="checkbox"/>
Beach clubs and bathing establishments		<input checked="" type="checkbox"/>
Casinos, game rooms and cruise ships	<input checked="" type="checkbox"/> ²	<input checked="" type="checkbox"/> ⁴
Amusement parks, theme parks and circus shows		<input checked="" type="checkbox"/>
Cinemas	<input checked="" type="checkbox"/> (and home theater)	
Places of worship	<input checked="" type="checkbox"/> ¹	
Multi-purpose halls, sports, recreational and/or cultural facilities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convention and trade show centres	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> ⁴
A/V corporate events	<input checked="" type="checkbox"/> ¹	<input checked="" type="checkbox"/> ³
Multimedia installations for festivals, exhibitions and other events	<input checked="" type="checkbox"/>	
Beauty salons and fitness centres	<input checked="" type="checkbox"/> ²	<input checked="" type="checkbox"/> ⁴
Other fixed installations (shops, shopping malls, etc.)	<input checked="" type="checkbox"/> ²	<input checked="" type="checkbox"/> ⁴
Acoustic measurement and sound radiation control		
Architectural acoustics		

¹ PSUT8TE, PSUT8AE + PSUTBASE/A

² PSUT1 + PSUTS

³ 4012MH/A, 4015MH/A, 4030MH/A + 40SW15/A, 40SW18/A

⁴ 4008, 4010MH

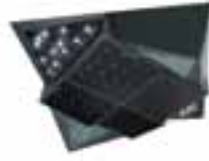
Comparison chart



PSDSP AMPS



**PS AMPS
+ PS266**



**DOUBLE
ARRAY**



JUMP UP





**OMNI
DIRECTIONAL**

PSDSP AMPS	PS AMPS + PS266	DOUBLE ARRAY	JUMP UP	OMNI DIRECTIONAL
<input checked="" type="checkbox"/>				
<input checked="" type="checkbox"/> (any size)	<input checked="" type="checkbox"/> (any size)	<input checked="" type="checkbox"/> (any size)	<input checked="" type="checkbox"/> (any size)	
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> (roof sound reinforcement)		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
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Contact us

 +39 0522 557735

 +39 0522 391268

@ General information: info@peeckersound.com - R&D department: rd@peeckersound.com
Technical support: support@peeckersound.com - Sales outside Italy: export@peeckersound.com

www.peeckersound.com