





WITHOUT MUSIC, LIFE WOULD BE A HUGE MISTAKE

PIEGA

COLLECTION 2017/18





# PIEGA

Leo Greiner & Kurt Scheuch



## **A passion for «sound»**

Our passion is still the development and building of loudspeakers, even after more than 30 years. The sound produced by PIEGA loudspeakers is intended to «copy» the original. The ambitious objective of achieving even more precise and even more natural sound reproduction using our sound transducers has an extremely important reason:

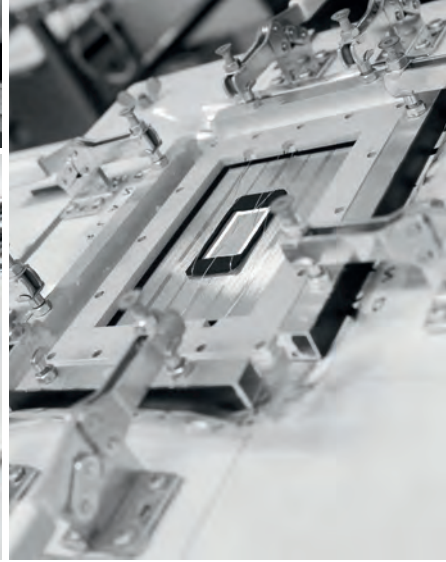
Our hearing, and especially the brain, is capable of «extrapolating» even incomplete acoustic information to enable us to recognise and allocate the things we hear. Replaying a double bass solo on a smartphone would be a good example of this. Within a fraction of a second we can recognise that a double bass is being played, even though the loudspeaker in the mobile phone is not capable of reproducing the first harmonic wave, let alone the basic tone, of the instrument. From the fragmentary information, our brain recognises that a double bass is being played and adds the missing information to this so that we «hear» the double bass.

The reasons for this extraordinary talent lie in evolution. However, the brain does tire very quickly during this process. The same effect occurs if we listen to music through loudspeakers of insufficient quality. The brain is continually engaged in adding missing information and fading out errors. This also works very well, but fatigue is inevitable. As a result of this we can't really be bothered to listen to music after a few songs, and we switch the equipment off more or less frustrated.

Our behaviour is completely different, however, if we are listening to music through excellent loudspeakers. Relaxation and the enjoyment of the sounds are limitless, or in other words:

PIEGA loudspeakers help us to be happy.





# PIEGA

Technology and products



## Uniqueness from the house of PIEGA

2nd generation coax systems, line source drivers and cabinet

Fresh, constructive approaches have been put into effect with regard to the world-renowned coax system. The newly-designed flat coil layout of the foil membrane has enabled a significant increase in performance to be achieved, which has had of course a positive effect on the dynamic behaviour, the impulse fidelity and the efficiency. We have also pursued entirely new paths in relation to the damping of the film, insofar as the damping is applied directly to the underlying magnet rather than to the film itself. This results in perfect damping without the need to apply any additional compound to the foil. The linearity with respect to frequency and time is exemplary and allows completely resonance-free playback over a very broad frequency spectrum at almost any sound level.

The line source drivers (LSD) have evolved hand-in-hand with the further development of the coax

systems. In all important aspects the new systems are a consistent further development of the world-famous coax technology. In the case of the LSD, the line-shaped tweeter diaphragm is positioned in the centre, with the mid-range speakers to the left and right of it. This means that a fully symmetrical radiation pattern is guaranteed. The driver has been designed from the outset to operate as a dipole, which means that the system can maintain ideal working conditions without its own cabinet.

With regard to the seamless aluminium cabinet, which PIEGA has employed very successfully for decades, it has proved possible to further increase the rigidity in prevention of bending vibrations, thanks to new design possibilities. Inside the cabinet, Tension Improve Modules (TIM) and visco-elastic damping films are newly employed, which prevent even the smallest cabinet vibrations.





# MASTER

Musical naturalness in perfection

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## Other acoustic spheres

Anyone who knows our Development Manager, Kurt Scheuch, knows that he can neither rest on his successes nor leave exciting ideas lying in a drawer. He has always been very enthusiastic about innovation and high technological performance. The conceptual model in the development of this high-end sound transducer provided the inspiration for the so-called Line Source. In the case of the Line Source, all frequencies are radiated as coherent cylindrical soundwaves, a principle for which the PIEGA ribbon technology would be eminently suitable – which was in fact his initial thought. The idea grew and after a tremendous development effort, the work was completed after years of work in Autumn, 2013. In the Master, 24 ribbon tweeters are used, nine ribbon mid-range speakers, used as a dipol, and six 22cm bass speakers. When PIEGA revealed the dream speaker, Master Line Source, industry experts experienced a 'wow' moment: A speaker with absolute fidelity without any limits, a perfectly coordinated festival for all senses or, to put it another way, musical naturalness which leaves you speechless.

The key originator of the super-speaker soon returned to his workshop and started tinkering with the idea of a smaller but similarly resonant version which could be integrated into normal living spaces. As a result, and after working in close cooperation with the designer Stephan Hürlemann, the Master Line Source 2 was developed. Just like the original, the MLS 2 works according to the principle of the symmetrical Line Source. One technical innovation, however, is the elaborately constructed acoustic lens/slat on the back of the speaker, which ensures that it is for the first time possible with the MLS 2 to place a dipole radiator in a room in the same way as a conventional speaker.









# COAX

Reference class of 2nd generation

## Acoustically and visually in a higher league

It's been about 16 years since we introduced the revolutionary Coax series onto the market. At that time we could not imagine what would still be possible in terms of acoustic and creative developments. There are a great number of innovations and it must be said that our chief developer, Kurt Scheuch, and his team have done great things.

We would like to take you on a small technical excursion: The so-called «Tension Improve Modules» (TIM), which are new, place the entire cabinet under controlled tension and in this manner prevent even the smallest vibrations in the cabinet. Remaining micro-resonances are completely eliminated by innovative visco-elastic damping films. Where is the increased listening pleasure, you will be wondering? Incredible precision, explosive dynamics and accuracy!

In all important aspects, the 2nd generation Coax systems represent a further development of the previously used drivers. A higher level of efficiency is achieved by means of the stronger neodymium



magnets and pole plates made of special high-strength steel with a ferritic structure. The layout of the flat coil and the damping have been optimized and so the systems play significantly more linearly and completely free of resonances, irrespective of the sound level. Turning up the volume is allowed!

For a powerful bass performance, the new aluminium UHQD woofers have titanium voice coil carriers, a new mounting and specially-shaped and extremely rigid aluminium diaphragms. These are also used as passive radiators in the floor-standing speakers and ensure, at the same time, an especially powerful but playful reproduction at low frequencies.





# PREMIUM

Top class with LDR ribbon tweeter

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## Premium sounds

All the new Premium models are fitted with the newly-constructed PIEGA LDR 2642 MKII ribbon and play in the high-frequency range with a fine, silky and crystal-clear sound – Premium indeed! New materials have been used in the development of the tweeter MKII and many construction features associated with the coaxial system have also been employed. The Premium model range is built in the aesthetically appealing C-shaped cabinet and excels as well in terms of every technical and sound discipline. The bass chassis, which uses MDS® technology to provide a voluminous bass power, with bravura, has also been further developed.

The largest and most refined Premium speaker wins you over with its wonderful sound qualities, whether in terms of fine sound image or suspenseful dynamics. The second column speaker in this series is attractive in both sound and design, but with modest dimensions. It is considered to be a real «all-rounder», adapts effortlessly to any surroundings and easily masters any musical style

with a light and airy musicality. There is of course also a bookshelf speaker available in this series. This «little one» displays an astonishing performance capacity and provides, with a combination of resolution, bass performance, dynamics and level stability, a «Premium» performance for a compact model.





# TMICRO

The clever space-saving series

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## Improved «look» and further developed

Since its introduction several years ago, the high-quality yet affordable compact and column speakers have enjoyed enormous popularity. They can be found in homes, offices, workshops and many more locations. The successful and smart sound transducers have now been updated. The second generation of the TMicro series has been technically and aesthetically developed and sonically optimized. The newly developed AMT (Air Motion Transformer) ribbon tweeter is one of the contributors to an enhanced listening pleasure. This provides an extremely lightweight diaphragm and a powerful magnetic drive for a light and richly-detailed sound and reproduces music and speech with an excellent impulse fidelity. The MDS cone chassis, which we also developed, is responsible for the mid and low-range frequencies and harmonizes to an unprecedented degree – because they were developed in the same think tank – with the sound properties of the AMT tweeter. The elegant and delicate exterior of the TMicro series has also been made more attractive. It now comes in a



new, highly stable C-profile. The front grille is integrated directly into the cabinet.

Slender columns, satellites, a centre speaker and an appropriate subwoofer in a variety of colours complete the smart programme.





# AP IN-WALL / IN-CEILING



## **Compact or merely inconspicuous?**

Who does not know that feeling when you walk into the dentist's practice with its distinctive smell and are then greeted by discreet but pleasant music? Yes, relaxation sets in! Be it in public, semi-public spaces, in the office or in the private sector, the surround-sound system has become a pleasurable «Must Have». Conventional box speakers don't have a place in every kind of space – unfortunately – and for hi-fi lovers who would not wish to forego the pleasure of listening to their favourite music, in the best possible sound quality, in the bathroom, kitchen or office, or on the terrace, the new, compact or built-in wall and ceiling speakers provide the desired luxury.

The slanting PIEGA compact speaker AP 1.2, which truly does slant, cuts a fine figure on the ceiling, wall or next to the flatscreen. The ribbon tweeter LDR 2642 MKII in combination with the 130 mm large woofers are responsible for the especially clear and richly-detailed sound.

Anyone who has access to a space with a suspended ceiling or has wall cavities or a new-build dwelling can plan from now how the built-in speakers should be fitted into ceilings and walls in order to achieve the optimal sound system. The new built-in series uses the cavities as a sound box and the cover grille closes almost flush with the mounting surface and is often barely visible after installation. PIEGA's inconspicuous touches spread joy!





# CENTER

Perfect voice and speech reproduction

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## Clear and distinct

A center speaker is essential for «the spoken word» in any surround system. The requirements are clarity, distinctness and an ability to truly capture the mood. We recommend choosing the center speaker from the same series as the speakers, so that the sound qualities match those of the speakers themselves. The stylistic idiom, the components used and the materialization of each series can all be attributed to the center speaker.

So that resonant, powerfully performing home cinema systems can be put together from speakers of the Coax, Classic or Premium Series, we provide of course the matching center. Home cinema fans who would like to put together a resonant multi-channel system from the TMicro speakers find that the landscape format of the TMicro Center AMT represents a center speaker which is perfectly matched to the sound characteristics of the «speaking tube».

Center speakers put the actors' dialogue into the scene with the outstanding speech intelligibility that is so important for a relaxed viewing experience. Movie fans will be delighted with the home cinema sound.

For even more realistic cinema enjoyment, a sub-woofer is essential.





# SUBWOOFER

Fascinating spectrum of the bass range



## Depth effect

Not everyone is keen on the sort of really hard bass performance which feels like a right hook to the midriff. However, sound waves with low frequencies – in other words the bass tones – are impressively formed by the PS 2 subwoofer. The active PS 2 subwoofer, with its 500 watts, gets even more out of a piece of music or a film, and it's bottomless bass performance, the naturalness of the bass tones, the precision and the explosive dynamics make music or films become really impressive experiences. Depending on your personal preferences, room sizes or room setup, the adjustment options, the fine tuning and the tuning of the bass range can be precisely regulated.

It is impressive that even the smaller, relatively compact active subwoofer PS 1 can boast such an impressive depth. With its 250 watt amplifier, it puts itself completely in the limelight in even the largest rooms. The subwoofer, which uses the downfire principle, stands out with its full and precise bass performance and produces sumptu-

ous work at stable levels during both home cinema and stereo operation.

The small but powerful subwoofer is not only suitable for supporting the TMicro satellites or columns in the lower frequency ranges. Thanks to its additionally integrated stereo output stage, it even enables the direct connection of two TMicro loudspeakers for the operation of a self-sufficient 2.1 stereo system in conjunction with a flat screen TV, MP3 player, iPhone or PC without a separate amplifier or receiver.





# ACCESSORIES

Quality accessories for quality speakers



## Sound quality improvement

The accessory range from PIEGA includes a few original components developed by us in-house. The aim is to support the high acoustic and aesthetic qualities of PIEGA loudspeakers with optimally-matched accessories. It is worth having a closer look at these clever components!

The four-core state-of-the-art loudspeaker cable from PIEGA combines copper at the highest degree of purity with a special crystalline structure and perfect insulation. It is the ideal connection for our top-of-the-range speakers which are fitted with the coaxial ribbon system. For all our other sound transducers, we recommend the two-core PIEGA CableTWO or CableTHREE copper cable. These are perfectly matched to the legendary PIEGA ribbon tweeters. Our cables are an insider tip for optimizing HiFi systems.

Wall mountings can be the decisive factor in whether a PIEGA loudspeaker looks nice or utterly perfect. Whether it is the elegant aluminium wall mount for compact speakers or the invisible bra-

cket system for Center, they were specifically designed for our models. Our pedestal in a simple design proves that a compact speaker does not necessarily have to stand on a shelf.

Special floorboards with spikes serve to absorb interfering frequencies and for acoustic decoupling of the speaker from the standing area. Not only can micro-vibrations be thereby avoided but detailed acoustic information becomes suddenly audible.



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PIEGA SA  
Bahnhofstrasse 29  
CH-8810 Horgen  
Phone +41 44 725 90 42  
Fax +41 44 725 91 92  
mail@piega.ch  
www.piega.ch

Information for exports

PIEGA SA  
Bahnhofstrasse 29  
CH-8810 Horgen  
Phone +41 44 725 90 02  
Fax +41 44 725 91 92  
mail@piega.ch  
www.piega.ch



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