

A MONUMENT TO MUSICALITY



GERMAN
THE UNLIMITED MKII
PHYSIKS



THE UNLIMITED MKII

After the outstanding success of our Limited 11 model, which was made in a special production run of only 100 pairs, we have decided to reintroduce it to our range as a regular product under the name of the Unlimited MK II. The Unlimited MK II is exactly the same loudspeaker, but there is now a wider choice of colours – white, grey, black and dark brown. It provides the famous German Physiks trademark dynamics, transparency and musicality, but at a new lower price point. The Unlimited MK II is exceptional value for money and makes the unique enjoyment that German Physiks loudspeakers can provide available to a much broader audience.

Top quality Sound at Lower Cost

The most important design objective for the Unlimited MK II was that the lower price should be reached without compromising the sound quality that German Physiks loudspeakers are famous for. We have achieved this by designing a simpler cabinet and reducing the number of finish options compared to our other models.

Stylishly Simple Design

The design of the Unlimited MK II is intended to be both elegant and simple, so that it blends into its surroundings rather than draws attention to itself. We want the listener's attention to be concentrated entirely on the music. The cabinet has a footprint of only 24cm by 24cm (9.5" x 9.5") and so takes very little space on the listening room floor. It is covered with a special acoustic vinyl material. This has a satin textured finish and is available in white, grey, black and dark brown, which will match a wide variety of interiors. It is also extremely durable and will withstand knocks and bumps that would damage conventional wood or paint finishes.

Tuneful Bass

The Unlimited MK II produces bass that is deep with real weight, but it is also clear, articulate and in time with the rest of the audio range. It is easy to follow the bass lines and drums have an authentic impact to their transients. The correct bass balance is maintained even when listening at low levels, so you can continue to enjoy your Unlimited MK IIs when you would otherwise have to use to headphones.

The DDD Driver

The key to the exceptional performance produced by all German Physiks loudspeakers is our DDD driver. The Unlimited MK II uses the same design of DDD driver as our top of the line Gaudi, which retails for over \$300,000 a pair.

The DDD driver in the Unlimited MK II covers the frequency range from 200Hz to 24,000Hz. This avoids the need for a crossover point in the mid-range that conventional 2-way designs must have. The consequent outstanding mid-range clarity combined with the DDD driver's naturally low distortion, allows the Unlimited MK II to better reproduce the very fine detail in the music that you would expect to hear in a live performance.

The DDD driver enables the Unlimited MK II to produce well-focused, three-dimensional stereo images that are accurately proportioned and can be almost palpable in their reality. This combined with the DDD driver's exceptional transparency and its lightning fast transients provide the listener with a performance that is both emotionally involving and musically satisfying.

Because the DDD driver is omnidirectional, its excellent stereo images can be enjoyed from a wide range of positions in the listening room, rather than from just the small "sweet spot" that many conventional designs produce. This allows several people to enjoy the Unlimited MK II at the same time. It also means that long listening sessions are not fatiguing, as you do not have to worry about staying in a small "sweet spot" to enjoy the best sound.

Low Resonance Cabinets

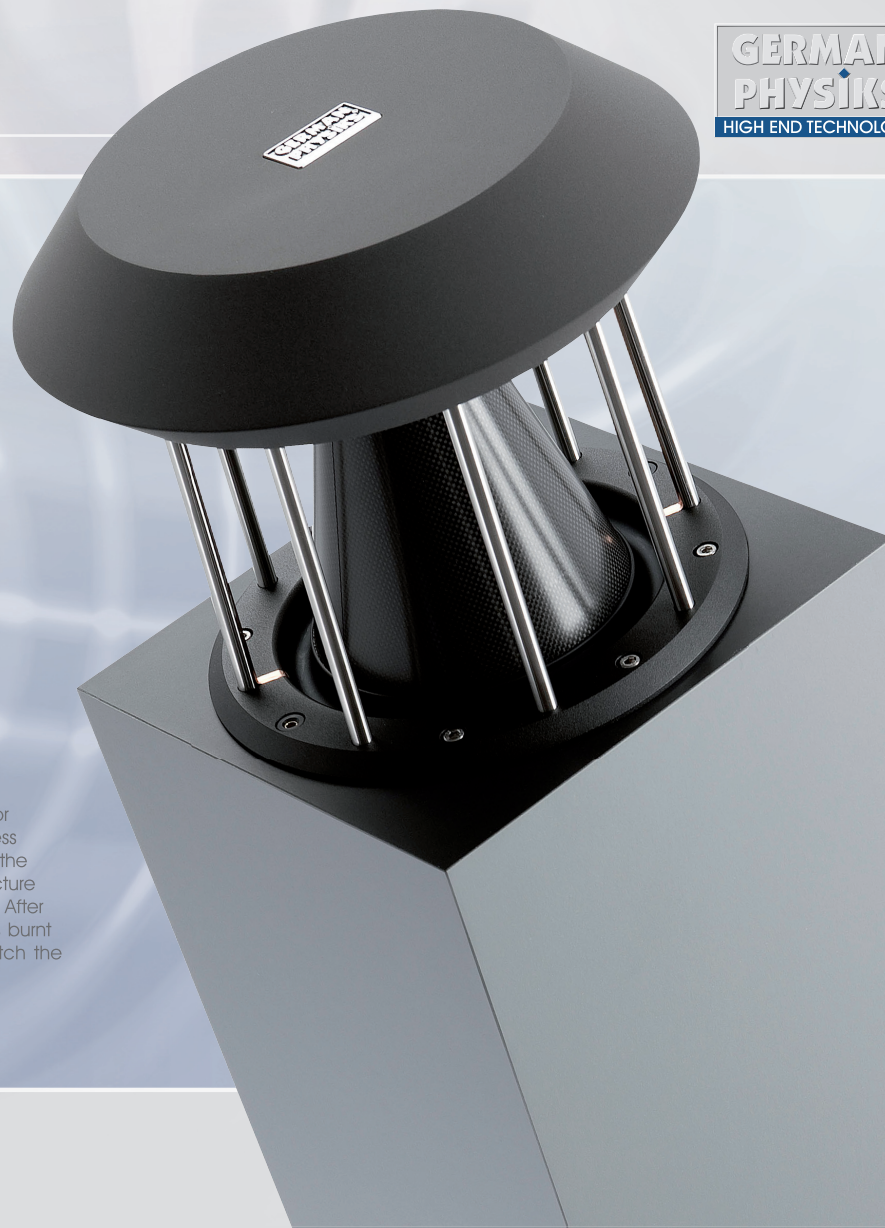
Resonances in a loudspeaker cabinet can seriously degrade the sound quality by obscuring detail. To prevent this, the Unlimited MK II's cabinets are constructed from heavy panels of MDF, with re-enforcements fitted to critical points within the structure.

As a further anti-resonance measure, a special damping material called Hawaphon is applied to the inside of each panel. This adds mass to the panel to reduce the resonant frequency and its special internal structure very effectively converts vibration energy into heat. Hawaphon achieves a broadband attenuation of structure-borne sound of more than 50dB; a remarkably high figure. In addition, the special acoustic vinyl material used on the outside of the cabinet provides a further reduction in vibration of up to 17dB.

Finally, to damp resonances of the air within the cabinet, the whole of the inside of the cabinet is lined with a thick layer of high-density felt.

Designed for a Lifetime of Listening Pleasure

We use the same quality of parts in the Unlimited MK II as in our reference products, where we design for a minimum life expectancy of 25 years. For this reason we have selected highly corrosion resistant V4 grade stainless steel for the DDD driver support pillars, terminal mounting plates and all the screws. We apply the same meticulous care and attention to the manufacture and testing of the Unlimited MK II as we do with all of our other products. After assembly, the performance of each loudspeaker is measured. Then it is burnt in for at least 12 hours and measured again. Finally, we carefully match the loudspeakers in each pair.



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Impedance	4 ohms
Frequency Response	32– 24,000 Hz
Power Handling	
Nominal	110 W
Short term	170 W
Amplification required	Minimum 90W/4 ohms
Crossover frequency	200 Hz
Crossover slopes	
DDD section	6dB/octave electronic & 18dB/octave acoustic
Woofer section	18dB/octave electronic & 18dB/octave acoustic
Sensitivity	88dB for 1W at 1m
Operating principle	2-way loudspeaker with 360° surround radiation using the German Physiks DDD driver
Input connectors	1 set of binding posts
Drivers	1 x Carbon fibre DDD driver 1 x 8-inch woofer
Finish	Acoustic vinyl in satin finish white, black, light grey or dark brown
Dimensions	240 mm W x 1050 mm H x 240mm D 9.5" W x 41.3" H x 9.5" D
Weight	28.9 kg 63.7lbs
Warranty	5 years



As part of our process of continually improving our products, we reserve the right to change specifications without notice