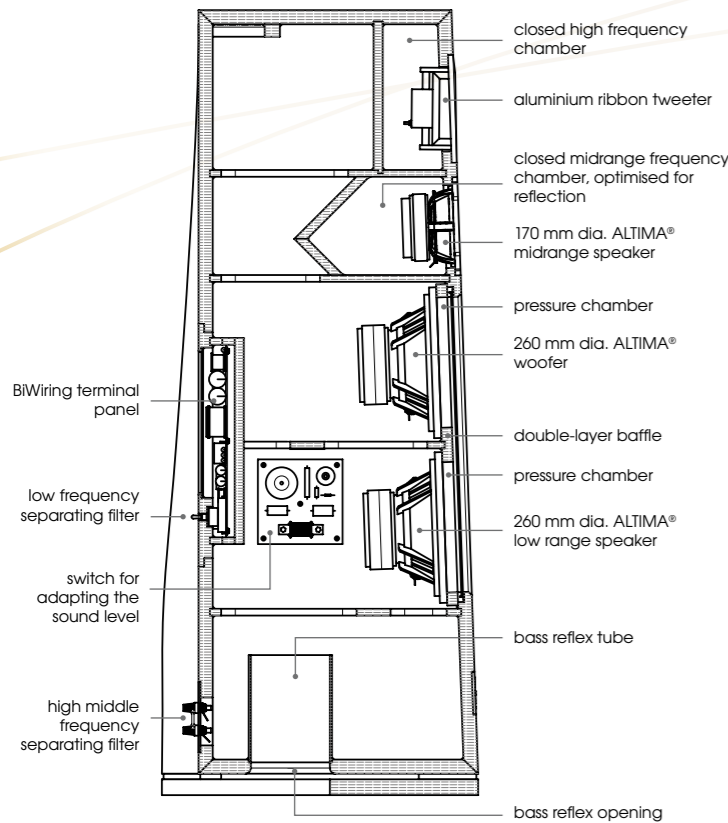


TITAN VIII

... a name
a cult.



30 years
TITAN



Pressure chamber

The woofer operates in a pressure chamber bass reflex system which leads to the highest precision and the maximum low point in the bass. The reason for this is that the pressure chamber improves the level of efficiency in the upper bass range and so the membrane movement required is reduced. The reduced membrane stroke reduces the contortions which allows the bass to be enormously fast and precise. With deep bass, the bass reflex system used improves the level of efficiency and leads, in combination with the bass-transformer-circuit (BTC) realised in the network, to an extremely low frequency limit of just 14Hz while, at the same time, minimising the required membrane stroke.

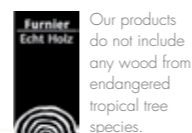
Frequency separating filter

The frequency separating filter is two-part so that the individual pathways do not influence each other. The middle high frequency branch sits in a chamber which is acoustically insulated from the interior volume of the loudspeaker so that any and all possible pick-up effects are excluded. The high quality interior cabling with Real Cable reduces the skin effect and minimises ohmic and inductive losses. In this way the sound remains open to the maximum, and free without any compression effects. The design of the overall frequency separating filter, to achieve an even impedance curve and minimal phase shifting, produces a very amplifier-friendly loudspeaker which still develops its maximum sound potential essentially independently of the amplifier. The switches integrated into the frequency separating filter allow adjustment of the loudspeaker to the room acoustics present.

Housing

The housings which are manufactured in Germany very carefully by hand set new benchmarks in their class for the quality of their surface finish and the selected veneers.

AURUM TITAN VIII	
Model:	3-way
Operating principle:	Pressure chamber/bass reflex
Nominal output power:	300 W
Music power:	500 W
Frequency range:	16...65.000 Hz
Crossover frequency:	250 / 2.700 Hz
Efficiency factor:	90 dB/1W/1m
For amplifiers:	4...8 Ohm
Equipment:	
Tweeter:	aluminium ribbon
Midrange speaker:	170 mm dia. ALTIMA®
Woofer:	2 x 260 mm dia. ALTIMA®
Dimensions (H x B x T):	1390 x 310 x 578.5 mm
Design:	Black, high gloss White, high gloss Oak choco* Oak natural* Cherry* Individual lacquer
*Real wood veneer	



Our products do not include any wood from endangered tropical tree species.

We are member of:



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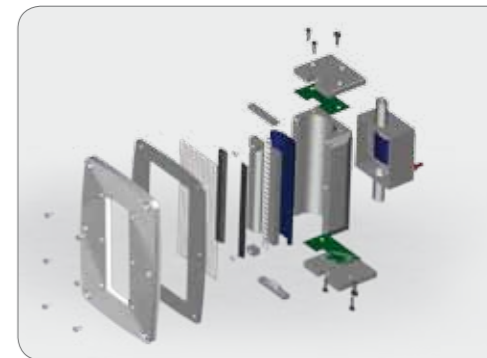


Ribbon tweeters

A totally newly designed aluminium ribbon tweeter ensures the finest overtones and excellent dynamism. For this high frequency concept the feather-light membrane is completely permeated by current which leads to an absolutely homogeneous oscillation behaviour.

The magnetic field is generated by two extremely strong neodymium blocks at the side of the membrane. In this way the membrane is completely open at the rear and the coupled, carefully dampened rear volume, prevents any undesirable reflections from the rear side of the membrane.

The tweeter is designed in such a way that it is aligned vertically to the listening place which extends the transmission range in the tweeter range up to beyond 60kHz. Also the fact that the high frequencies are radiated out at an extremely wide angle means there is a very large listening zone and a fantastic signal depth and localization of the sound sources.



ALTIMA® Midrange speakers

The updated ALTIMA® midrange speaker was made even more powerful by modifying the drive. Geometrical optimisations of the metal parts ensure that the voice coil is now reactionless and can vibrate completely symmetrically in the magnetic field. In this way, in the upper middle frequencies, it follows input signal even quicker and separates out the sound details particularly finely. The middle frequency cone consists, as before, of an absolutely neutral ALTIMA® membrane material which is a compound material made up of the light metals aluminium, titanium and magnesium.

Through this combination the membrane has both a high torsion stiffness and a high inner damping, which are the ideal parameters for an excellent naturalness of reproduction. Through the combination of the ALTIMA® membrane and damping-free drive the midrange speaker delivers the whole medium frequency range with an excellent deep dimension picture and fine dynamics.



ALTIMA® Woofers

The woofer is a 26cm driver with an ALTIMA® membrane. As with the midrange speaker the membrane material also offers in the low frequency range optimal acoustic properties due to its very high rigidity and inner damping.

The double configuration provides for a large radiating surface which is responsible for a sovereign and maximum controlled reproduction of the bass.

The extremely long stroke design of the woofer leads to a situation where even the lowest frequencies can be reproduced with the maximum sound pressure. The magnet system is carefully optimised so that the voice coil can operate under completely symmetrical and reactionless conditions which provides the bass and the lower medium range frequencies with an amazing deep dimension picture.

