



AURUM 9

Specs and facts of the new AURUM family
www.r9volution.com

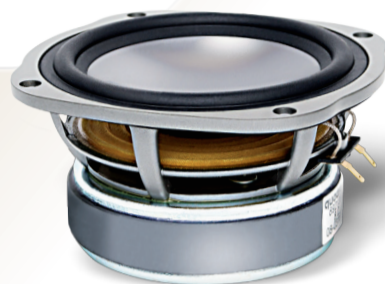
quadrax 
AURUM

AURUM 9

quSENSE
TECHNOLOGY

D'APPOLITO

- The D'Appolito arrangement in TITAN and VULKAN brings acoustic benefits
- Improved vertical dispersion
- More convenient spatial frequency, ground reflections less destructive
- Higher capacity
- Lower separating frequency to the woofers possible



quadral ALTIMA®-CHASSIS

- quadral ALTIMA®: Very strong and lightweight membrane
- New baskets made of sturdy die-cast aluminum
- Ultramodern basket design for minimal flow losses
- Generously ventilated spider for free air circulation. Thereby low mechanical losses
- New magnetic field geometry and extremely powerful drives for more dynamics, detail and control
- Continuous membrane (bowl shape) without dust protection
- Advantage: better frequency response linearity, fine dynamics and wider dispersion
- Much larger voice coil (e.g. TITAN 65 instead of 50 mm) allows a significantly higher capacity. Lower heat generation and no acoustical change (thermal compression). Supported by larger ventilation hole in the magnet for voice coil
- Copper cups over the pole core to reduce harmonic distortions (THD)
- Very low self-resonance
- Resonances occur only at high frequencies, which can be filtered easily
- Extremely constant manufacturing quality, which ensures consistent high acoustic quality



HOUSING

- Solid MDF wood. Baffle in TITAN and VULKAN e.g. 28mm thick, thus little disturbing resonances
- Elaborated internal bracing and damping of the housing walls for transient response and uncolored sound
- Midrange chamber in wedge shape and with fewer damping material, thus drastic reduction of „standing waves“ and open, dynamic sound.
- Beveled edges for improved housing omni directional (particularly large models)
- Sturdy metal front panels do not resonate unfavorably and affect the frequency response much less than wood or plastic frames.
- Fine materials, multilayer coatings in high-gloss and piano finish, oiled wood and polished chrome parts ensure a luxurious yet subtle overall impression.



quSENSE TWEETER

- Complete own development and design of components
- Assembled at quadral in Hanover
- 100 % control ensures high production quality (Extremely slight deviation from the reference)
- Genuine aluminium ribbon, 1.5 cm wide and relatively short. This results in a better dispersion in the vertical since MT and HT lie closer together. Convenient location of the acoustic center
- Scaled to different sizes, to be combinable in different models (home theater aspect)
- Very good frequency response, linearity, high load capacity, extremely low distortion
- Application of a sound gaze and the width of the strip assure better stability.
- quadral quSENSE is our trademark for AURUM tweeter

PRESSURE CHAMBER

- On both sides of the cone membrane acts the same air pressure, which guarantees a very uniform movement of the membrane
- The bass reflex port has been moved forward, which allows an installation close to walls
- In the two top models TITAN and VULKAN we work with complex channels, that optimize the air flow. The overall result is an improvement in the dynamics.
- The bass pressure is amplified by up to 3dB, thus less energy is required to achieve the same bass pressure.
- The thermal effect is reduced accordingly
- Unique use in HiFi field, the pressure chamber principle is usually used in PA systems

TERMINAL

- High-quality bi-wiring terminals in aluminum with „real“ cable bridges for optimal signal flow
- Tweeter level switch at each AURUM 9 model with 3 positions: neutral, + 2dB, -2dB
- TITAN, VULKAN and TITAN BASE additionally feature level switch for midrange and bass, whereat the bass can be operated either neutral or + 3dB.
- The respective circuit does not affect the signal flow directly, since it is connected in parallel.



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FLOORSTANDER



quadral+TITAN

quadral+VULKAN

quadral+MONTAN

quadral+RODAN

Type:	3-way Pressure chamber/bass reflex	3-way Pressure chamber/bass reflex	3-way Pressure chamber/bass reflex	3-way Pressure chamber/bass reflex
Nominal/Music Power (W)	500/800	350/600	250/400	180/300
Frequency Response (Hz)	18...65,000	21...65,000	26...65,000	28...65,000
Efficiency (dB/1W/1m):	88	88	87	86
Size (HxWxD) in cm:	145 x 32 x 51	120 x 28 x 46	111 x 25 x 39	99 x 22 x 35
Weight (kg):	86	57	39.5	31.5

COMPACT | SUBWOOFER



quadral+SEDAN

quadral+GALAN

quadral+ORKUS

Type:	2-way bass reflex	2-way bass reflex	Type:	Active woofer, bass reflex / down-fire
Nominal/Music Power (W)	120/180	80/140	Nominal/Music Power (W):	500/600
Frequency Response (Hz)	33...65,000	36...65,000	Frequency Response (Hz):	20... to (50...200) Hz variable
Efficiency (dB/1W/1m):	85	85	Woofer:	320 mm Ø
Size (HxWxD) in cm:	39 x 23 x 35	33 x 21 x 29	Size (HxWxD) in cm	47 x 40 x 50
Weight (kg):	14.5	10	Weight (kg)	33

HOME CINEMA



quadral+BASE TITAN

quadral+BASE MAXIME

quadral+BASE

quadral+PHASE

Type:	3-way Pressure chamber/bass reflex	3-way bass reflex	3-way closed	in preparation
Nominal/Music Power (W)	350/550	250/400	150/250	
Frequency Response (Hz)	23...65,000	27...65,000	44...65,000	
Efficiency (dB/1W/1m):	88	87	85	
Size (HxWxD) in cm:	36 x 85 x 45	24 x 62 x 36	16 x 46 x 26	
Weight (kg):	57.5	24	11	