

English Translation:  
**Review GermanMAESTRO Concept-Line**  
**German CAR & HIFI Magazine, Issue no. 5/08**  
*(Text written in Latin letters are additional explanations by the translator)*



**Page 61**

Intro-Headline: **Double-review**

**German MAESTRO Concept-Line – new loudspeaker series made in Obrigheim**

Major Headline: **New Era**

Intro-Text:

After starting as a new company named as Maestro Badenia now the first products are coming to market made in the recent MB Quart production plant as located in Obrigheim. We had the opportunity to test the brand new Concept-Line labeled now with GermanMAESTRO.

**Text of the review:**

The Concept-Line from German Maestro comprises to Component-Systems (5" and 6,5") and 6 (5) Coaxial Speakers (4", 5", 6,5" + 2 ovals in 6"x9" and 6"x8"). This (line) represents within the (GermanMAESTRO) car speakers hierarchy the most favorable priced series, meaning that those are the high volume models, where the Obrigheim people want to manifest world-wide their image as a German high quality manufacturer. To make that happen they worked for months on their best efforts to achieve with that favorable priced series a really convincing high quality level. The test speakers we got, the 6,5" Compo CS 6508 and the 5" CS5008 already prove that high quality claim with a perfect neatly workmanship, no matter, if you take in you hand the woofer, the tweeter or the accessories. Already here you just realize that practical handling was taken under consideration: The tweeter provides very small dimensions, 5" woofer comes across with a round basket and adapters for simple screw-mounting and also the x-overs could be installed in various arrangements. Looking at the woofers many details remind us back to the recent MB Quart speakers, no wonder – they are made with the same machines and by the same people. The woofers baskets are made as recently from low-resonance fiber enforced special plastic material. The cones are made polypropylene specially filled with special minerals, in order to optimize the acoustical performance. Big t-yoke boreholes provide best ventilation under the dust cap, which is directly mounted on the voice-coil carrier.



**... Page 62**

Further ventilation areas are placed on the voice-coil carrier at itself and on the flange keeping the woofer's spider. This flange is a separate part and made from metal working as a special heat sink, which is also connected with the pole plate.

**Tweeter**

With the tweeter German Maestro has invested huge engineering efforts. The know how resulting from the last years developed WideSphere Technology was now adopted for the first time to the more favorable "smaller" product series. Consequently this Concept tweeter is also equipped with an inversed dome made from pure titanium and labeled as MegaSphere. But it is not enough just to invert a dome and to find a new name, in order to make a well performing tweeter. Only people who saw already the Obrigheim Engineering- and Production facilities will know that on the one end very high sophisticated computer simulations as well as on the other end over many decades grown experience are driving those new speaker developments. After trying

Laborbericht		German Maestro CS 5008	German Maestro CS 6508
Vertrieb		Maestro Badenia Obrigheim	Maestro Badenia Obrigheim
Hotline		0 62 61 / 63 80	0 62 61 / 63 80
Internet www.		german-maestro.de	german-maestro.de
Katalog-Download		-	-
	Gewichtung		
Klang	50 %	1,3	1,3
Bassfundament	10 %	1,5	1,5
Neutralität	10 %	1,5	1,5
Transparenz	10 %	1,5	1,5
Räumlichkeit	10 %	0,5	0,5
Dynamik	10 %	1,5	1,5
Labor	30 %	1,7	1,7
Frequenzgang	10 %	1,5	1,5
Maximalpegel	10 %	2,0	2,0
Verzerrung	10 %	1,5	1,5
Praxis	20 %	1,4	1,4
Frequenzweiche	15 %	1,5	1,5
Verarbeitung	5 %	1,0	1,0
<b>Technische Daten</b>			
Korbdurchmesser		130 mm	166 mm
Einbaudurchmesser		114 mm	143 mm
Einbautiefe		61 mm	64 mm
Magnetdurchmesser		74 mm	74 mm
Membran HT		28 mm	28 mm
Gehäuse HT		40 mm	40 mm
Flankensteilheit TT/HT		0/12 dB	0/12 dB
Hochtenschutz		-	-
Pegelabsenkung HT		0, -3, -6 dB	0, -3, -6 dB
Gitter		-	-
Kabel		-	-
Nennimpedanz		3 Ohm	3 Ohm
Gleichstromwiderstand Rdc		2,65 Ohm	2,62 Ohm
Schwingspulenduktivität Le		0,42 mH	0,42 mH
Schwingspulendurchmesser		25 mm	25 mm
Membranfläche Sd		86,6 cm <sup>2</sup>	138,9 cm <sup>2</sup>
Resonanzfrequenz fs		106,8 Hz	55,2 Hz
mechanische Güte Qms		4,06	3,74
elektrische Güte Qes		0,95	0,69
Gesamtgüte Qts		0,77	0,58
Äquivalentvolumen Vas		2,3 l	19,8 l
Bewegte Masse Mms		10,1 g	11,4 g
Rms		1,80 kg/s	1,15 kg/s
Cms		0,22 mm/N	0,73 mm/N
B*1		4,06 Tm	3,72 Tm
Schalldruck 1 W, 1 m		85 dB	86 dB
Leistungsempfehlung		25 - 100 W	25 - 100 W
<b>Bewertung</b>			
Preis		um 160 Euro	um 170 Euro
Klang	50 %	1,3	1,3
Labor	30 %	1,7	1,7
Praxis	20 %	1,4	1,4
Preis/Leistung		sehr gut	sehr gut
<b>CAR &amp; HIFI</b>		<b>Einstiegsklasse</b> <b>1,4</b>	<b>Einstiegsklasse</b> <b>1,4</b>



English Translation:

## Review GermanMAESTRO Concept-Line

### German CAR & HIFI Magazine, Issue no. 5/08

(Text written in Latin letters are additional explanations by the translator)

**M** GERMAN  
**MAESTRO**  
SERIOUS ABOUT AUDIO

Page 2 of 2

again to ask for more technical details we only learned that the performance's secret is not only driven by the domes' shape (*which looks really very special*). Also the well balanced procedure of pressing and stamping that dome by achieving a well defined balance of the domes thickness provides the most important criteria for best performance. Also the magnet motor design and pretty traditional values like very low harmonic distortion and a very linear SPL curve are important drivers towards high performance.

#### Laboratory

Here we want to state that the CT-30 Tweeter runs extremely smooth and linear providing nearly not any harmonic distortions. That tweeter belongs not to the category of down to low frequencies running tweeters; also without x-over this tweeter provides not much SPL below

3 KHz. We also realized the typically reverberation at 20 KHz., which typically normal for metal domes.

The cone drivers (*woofers*) provide excellent reverberation characteristics – thanks to the very well damped polypropylene cones. Regarding the 6,5" as well as the 5" cone-driver we can attest best capabilities according the requirements for a practice-oriented use. With 5" it was not focused to create huge bass reproduction. We also realized that those pre-production models provide some minor clangor around 1 KHz, if they are driven on very high SPL. This was the only handicap for those exemplary Maestros to achieve here the absolutely top class results.

#### Sound

It becomes really exciting, when the CS 5008 and CS 6508 were "started" for the listener-check. Due to our very high expectations, we started already with very high sophisticated sound material. And we experience music! The 6,5" System creates atmosphere with brilliant glittering and wonderful "groaning". If you listen to contra-bass strings or to voices, like those from Marla Glen, you will get overwhelmed with details. Very quickly the system got the surname "Master" (*Maestro!*) of "side-noises". So much information about the material of music instruments and about the musician's environment, you won't find anywhere in this price category. This tweeter is easily able to tell the listeners without any efforts the smallest music details. Spectacular the musical actors are positioned in the listener environment. And in the opposite to most of any other speaker-systems - this also works outside of the optimal stereo triangle.



#### ... Page 63

This is followed by a tonality not so spectacular, but still on a very best level. Some weakness we realized regarding the SPL capability. Extreme drum attacks or real bass oriented music are not the favorite subjects of these excellent sounding speakers. However, there is no question about sufficient high SPL provision capabilities for the "normal" listeners, but we also know about other SPL calibers.

In comparison to the 6,5" the 5" provides naturally the same attitudes referring to glamour, high reso-

lution, details and 3D projection, because of the use of the same tweeters and x-overs. We think that voices and instruments were reproduced a little bit more harmonic and with nice dynamics – if you keep the bass out of mind. Sound-quality-wise the small 5" bass wasn't worthier (*compared to the 6,5"*), only the lower frequencies are missed. But bass reproduction related to the speakers' size is absolutely appropriate; and so referring to that little piece (*5" woofer*), the quality earns much more commendation as any reprehension. So the CS 5008 is also an excellent choice compared to the CS 6508.

#### Conclusion

New (*brand-*) name, but everything is as it was before (*with MB Quart*): well known made in Obrigheim quality as usual? No, this is wrong. These Concept speakers are the absolutely best, compared to everything provided before in that price category from this traditional loudspeaker manufacturer. Everybody should be already very excited to get experienced how the other more sophisticated product series will perform.

#### Picture text x-over:

Due to the fact that the woofers are perfectly under (*German-MAESTRO's*) control, only the tweeters need a high pass filter. So for the x-over just a view parts are needed.

#### Picture text detail of woofer:

Also the small speaker parts provide a high quality, here e.g. the spider, which is made from best material

#### Picture text woofer back-side:

Compared to the chrome-glittering competitors the Maestros look more unobtrusive. Nevertheless they convince with best material and – workmanship.

#### Picture text tweeter:

The CT 30 WS as the new tweeter with inverted dome does not need anymore a diffuser-cap.

**M** MAESTRO  
**BADENIA**

MAESTRO Badenia  
Akustik & Elektronik GmbH  
Neckarstraße 20  
74847 Obrigheim  
Germany

Phone +49 (0) 62 61 - 6 38 - 0  
Fax +49 (0) 62 61 - 6 38 - 129  
E-Mail [info@german-maestro.de](mailto:info@german-maestro.de)  
Internet [www.german-maestro.de](http://www.german-maestro.de)

Managing Director  
Thomas Sauer  
Registergericht Mannheim  
HRB 702024  
USt-IdNr. DE255221770

Banking Account  
Commerzbank AG  
Kto. 10 43 066 BLZ 795 400 49  
IBAN DE17 7954 0049 0104 3066 00  
BIC COBADEFF795