

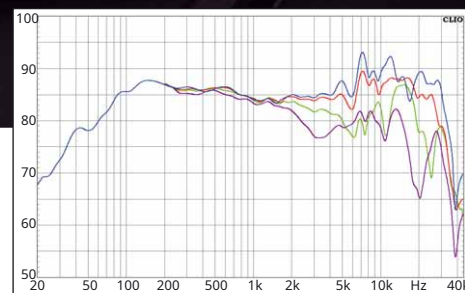
Musway ML62 + ML6.2E – Coax and compo with 16 DIN baskets

165mm speaker with top sound

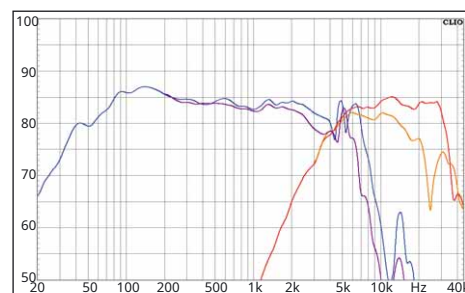
► The ML speakers are Musway's second highest series, right after the MG series. We have the 165 millimeter coax and the compo in the test.

BAt Musway you will not only find special loudspeakers for VW, BMW and current Mercedes, there are even retrofits for "exotics" such as the Dacia Spring or the classic Benz W124. But the Musway dealer also has the good old universal loudspeakers available, here there are five complete series with the MG loudspeakers as the top models. A 165 millimeter bass (mid) speaker, a 75 millimeter midrange speaker and a tweeter can be combined to form an active three-way system or with a crossover as a classic 16-component system.

tensystem. Our ML series also includes a coax, the ML62, which is not available under MG. Otherwise, the ML components stand out due to their visual similarity to the top series, which is of course intentional. Technically, there is only a distant relationship, and naturally some of the high-end features of the MG series are missing. This in turn has the advantage that the ML components are significantly cheaper. The two 165 chassis work with aluminum membranes, and the dust cap of the bass-midrange driver is also made of this material. They are driven by 25 millimeter voice coils along with thick ferrite magnets and punched pole plates. This is not really spectacular, but it is neatly done. The baskets are made of powdered sheet metal, and under the centering



With the coax, the connection of the tweeter to the woofer is perfect, the 19" fabric dome plays up to 30 kHz



The membrane resonances of the bass-midrange speaker around 6 kHz are effectively dampened. The 25 mm tweeter also runs up to 30 kHz thanks to the bypass capacitor

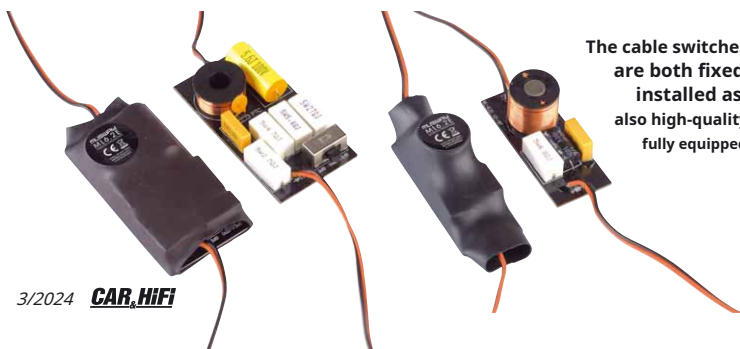


The unobtrusive fabric tweeter impresses with best performance

There are ventilation holes so that the voice coil and upper pole plate can dissipate heat well. The tweeter of the composite is a 25 millimeter fabric dome, which does not have a coupling volume (as in the MG); the coax also has a full-fledged fabric tweeter, just in a smaller format with a 19 millimeter voice coil - very nice. The crossover of the composite is also not a cheap model; although it is designed as an easy-to-install cable crossover, it is still complex. The tweeter and bass branches are separate, so that only a very small crossover needs to be installed for each speaker. In addition to a 12 dB filter and a level control, the tweeter also has a small bypass capacitor that supports the super high tone. The low-pass filter consists of an undamped blocking circuit, which dampens the membrane resonance significantly more than a low-pass filter and an RC element.

Measurements and sound

The effective attenuation of the frequency range between 3 and 12 kHz at the crossover results in a very nice frequency response of the bass/midrange speaker. The ML tweeter also works excellently, even reaching the 30 kHz mark without any loss of level. The same applies to the ML62 coax, which also works perfectly. The distortion measurements show that the compo is flawless, the coax is also very good, just not quite as excellent as the compo. In the sound check, the coax is the best, and it does so with a very nice wealth of detail right up to the highest trebles, the small fabric tweeter does an excellent job. The mids sound honest and neutral, just as you would want them to. Both the coax and the compo produce a precise, well-balanced bass, the compo system sounds a little tidier overall, almost athletic. Here, too, there are crystal-clear voices and lots of details to marvel at. Both ML62 and ML6.2 offer huge sound potential.



The cable switches are both fixed installed as also high-quality fully equipped

Conclusion

With the ML62 and the ML6.2E, Musway offers Best quality for the money. There is hardly anything better in the class up to 250 euros.

Elmar Michels

The woofers differ in Details like terminals and pole core drilling

BEST PRODUCT
Upper class
CAR & HiFi 3/2024

Speakers	Musway ML62	Musway ML6.2E
Price distribution	around 130 euros AudioDesign Kronau	around 230 euros AudioDesign Kronau
Hotline	07253 9465-0	07253 9465-0
Internet: www.	musway.de	musway.de

Evaluation			
▶ sound	55%	1.2-----	1.1-----
Bass foundation	11%	1.0-----	1.0-----
neutrality	11%	1.5-----	1.5-----
transparency	11%	1.5-----	1.0-----
Spatiality	11%	1.0-----	1.0-----
dynamics	11%	1.0-----	1.0-----
▶ laboratory	30%	1.3-----	1.0-----
Frequency response	10%	1.0-----	1.0-----
Maximum level	10%	1.5-----	1.0-----
Distortions	10%	1.5-----	1.0-----
▶ Practice	15%	1.8-----	1.5-----
Crossover	10%	2.0-----	1.5-----
processing	5%	1.5-----	1.5-----

Technical data		
Basket diameter	166mm	166mm
Installation diameter	144mm	144mm
Installation depth	65mm	65mm
Magnet diameter	85mm	85mm
Membrane HT	19mm	25mm
Housing HT	-	49mm
Slope TT/HT	- / 6dB	12 / 12dB
Tweeter protection	-	PTC
Level adjustment HT	-	+ 3, 0, -3dB
Grid	-	-
Miscellaneous	-	-
Nominal impedance	4 ohms	4 ohms
DC resistance Rdc	3.57 ohms	3.60 ohms
Voice coil inductance Le	0.25mH	0.13mH
Voice coil diameter	25mm	25mm
Membrane area Sd	129cm ²	129cm ²
Resonance frequency fs	58Hz	55Hz
mechanical quality Qms	3.63	5.43
electrical quality Qes	0.62	0.69
Total quality Qts	0.53	0.61
Equivalent volume Vas	13.6l	13.9l
Moving mass Mms	12.6g	13.8g
Rms	1.28kg/s	0.88kg/s
CMS	0.59mm/N	0.60mm/N
B*I	5.16 Tm	5.02 Tm
Sound pressure 2 V, 1 m	90dB	90dB
Performance recommendation	20 - 100W	20 - 100W

Upper class 1.3 Upper class 1.1
CAR & HiFi 3/24 **CAR & HiFi** 3/24
Price/performance: excellent Price/performance: very good

"Spotlessly clean and great sound."