



With the ZR10P, Phoenix Gold offers a subwoofer whose task is to bring a little bass into the car, but inconspicuously and without loss of space. Because not everyone wants to drive a full-blown bass box in the trunk, which also takes up space when the music is not playing. So it makes sense to look for a different type of subwoofer that ideally is easy to install and has enough bass for everyday use. There is space



The woofer's cone is treated with embossings that remind of a golf ball



Super flat woofer thanks to its planar membrane that makes the shallow frame possible



for hidden installation, e.g. in the double trunk floor, in the side panel or under the front seats. Here, the ZR10P can be accommodated in many vehicles thanks to its height of just 8 centimeters (3.15"). With its optional low- or high-level inputs, it easily makes contact with head units, whether they are retrofitted or

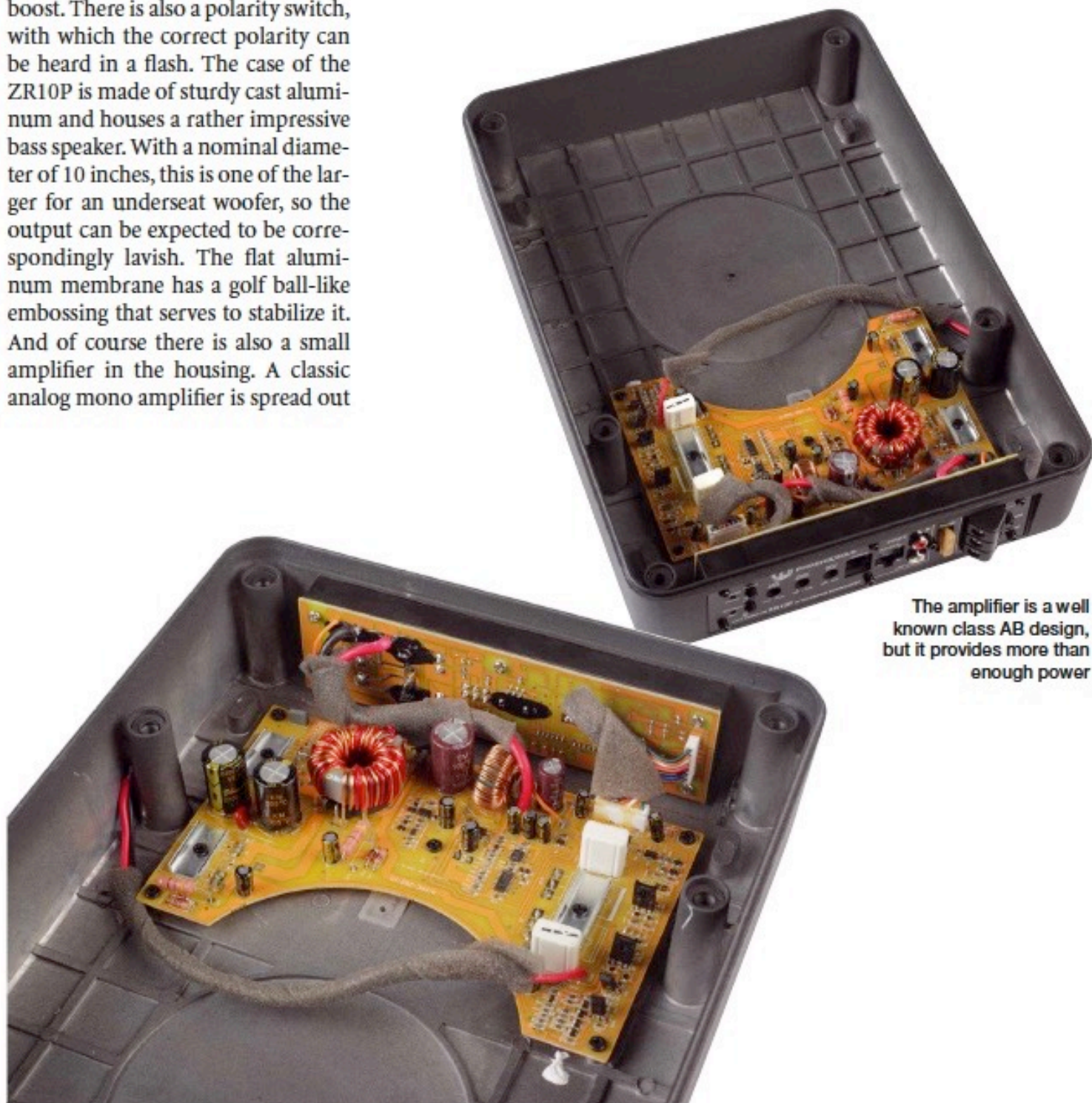
Features include low pass, bass boost and a polarity switch. Inputs can handle RCA or high level signals

original ones, and the subwoofer is switched on and off automatically. A small wired remote control is also included, with which the bass level can be adjusted. The controls for one-time adjustment on the device include the obligatory low-pass filter for adapting the subwoofer to the vehicle loudspeakers and a bass boost. There is also a polarity switch, with which the correct polarity can be heard in a flash. The case of the ZR10P is made of sturdy cast aluminum and houses a rather impressive bass speaker. With a nominal diameter of 10 inches, this is one of the larger for an underseat woofer, so the output can be expected to be correspondingly lavish. The flat aluminum membrane has a golf ball-like embossing that serves to stabilize it. And of course there is also a small amplifier in the housing. A classic analog mono amplifier is spread out

on the orange circuit board, mostly in SMD construction. This is not rocket science, but a design that has been perfected for decades. And since we're not dealing with Class D, we don't have to worry about electromagnetic interference.

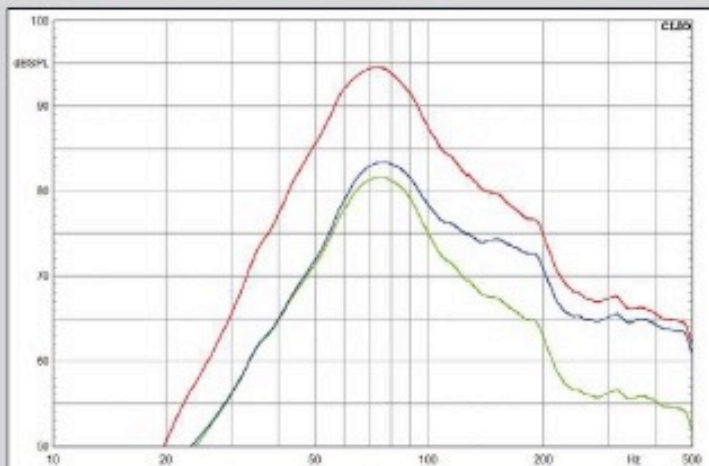
Measurements and sound

The amplifier then shows itself from its best side in the lab. For a compact active subwoofer, the amplifier produces little distortion, but there is plenty of power. With a good 120 watts, the ZR10P is one of the



The amplifier is a well known class AB design, but it provides more than enough power

CAR&HIFI Laboratory



The ZR10P shows an appealing frequency response for the small size. Low-pass and bass boost set few accents, the boost essentially makes it louder



The ZR10P comes in a compact aluminum case only 3.15" high in order to fit even under the front seat

more powerful underseat woofers on the market. The acoustic output can also be heard. The only point of criticism is the bass boost, which is quite unspecific at high frequencies, so that we effectively have the third „volume control“ (after gain control and remote control). Otherwise, the small woofer does a good job in front of the microphone, it works from about 55 Hz upwards – not bad for a small 5 liter case. In terms of sound, it's clearly going in the crisp direction. The Phoenix Gold easily manages to clearly separate bass hits that follow each other in quick succession. The depth is perfectly adequate for a bass supplement to the original speakers. The sub delivers the decisive bass boost for a clear plus in listening pleasure – that's exactly what it's made for. Conclusion The Phoenix Gold ZR10P is clearly one of the better underseat woofers on the market. It's not a bargain, but for the money you get a well-made

speaker and powerful aluminum-clad amplifier in a well-playing package.

Elmar Michels

Specifications

Dimension w	24,5 cm
Dimension h	8,0 cm
Dimension d	34,0 cm
Box type/volume	cb 5,5 l
Reflex port (d x l)	-
Weight	5,2 kg
Nominal diameter	10"
Nominal impedance	2 Ohm
Voice coil diameter	50 mm
Power @ nom.imp.	121 W
Sensitivity RCA max	130 mV
Sensitivity RCA min	2,9 V
THD +N (<22 kHz) 5W	0,05 %
THD +N (<22 kHz) Halblast	0,15 %
SNR (A-wgt)	83 dB

Features

Low pass	50 – 150 Hz
Bass boost	0 – 12 dB / 55Hz
Subsonicfilter	fix 25 Hz
Phaseshift	Polarity switch
Low-level input	•
High-level input	•
Auto turn on	•, DC
Start-Stop capability	• (6,8 V)
Remote control	•, Gain
Misc.	-

Phoenix Gold ZR10P

Price	350 Euro
Contact	AAMP European Division, UK/Sweden, Germany
Internet	www.phoenixgold-eu.com

Rating

▶ Sound	30 %	★★★★★
Bass	7,5 %	★★★★★
Pressure	7,5 %	★★★★★
Purity	7,5 %	★★★★★
Dynamics	7,5 %	★★★★★
▶ Lab	40 %	★★★★★
Frequency response	10 %	★★★★★
Max SPL	10 %	★★★★★
Amplifier powerl	20 %	★★★★★
▶ Practice	30 %	★★★★★
Features	10 %	★★★★★
Build Quality electronics	10 %	★★★★★
Build Quality mechanics	10 %	★★★★★

Compact Class



CAR & HIFI

INTERNATIONAL Germany 2/22

Price/performance: very good

"Small, quite powerful subwoofer."

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