



PRA 10 PRA 13 PRA 16 • TEST REPORT CAR&HIFI 1/2024

PRA 10 + PRA 13 + PRA 16: New entry-level series from Eton



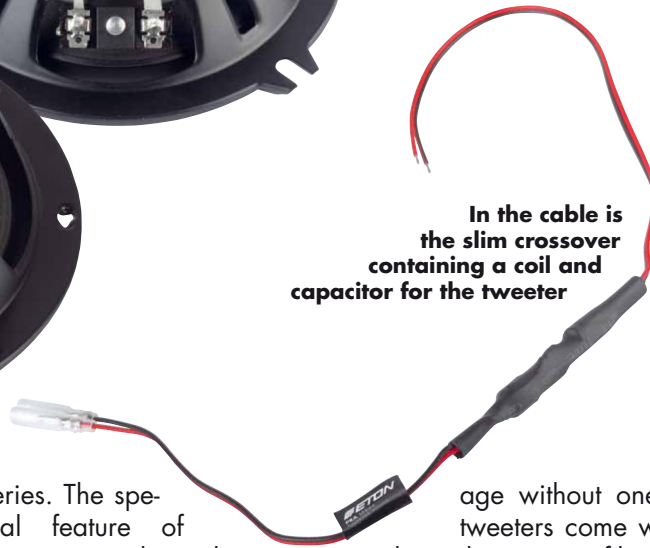
Budget-priced speakers

► The PRA series from Eton is advertised as a low-priced fun maker. That sounds like the speakers could be of interest for newcomers.



The PRA family comes with large magnets and stable metal baskets

In the cable is the slim crossover containing a coil and capacitor for the tweeter



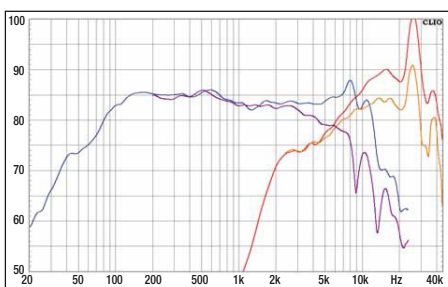
Eton already has speaker series aplenty from Onyx to PRS that cover the range above 200 euros perfectly. Now, positioned just below these, comes the PRA series representing the cheapest entry into the world of Eton component speaker systems. The speakers come in understated black, and it is no wonder that, like all the lower priced woofers, they are equipped with paper cones. The brand signature of the new PRA series is the tweeter. Unlike the POW+ (28 mm woven fabric), the POW (25 mm woven fabric), and the PRS (19 mm woven fabric), the PRA systems have a metal dome at the high end: to be precise a 25-mm aluminum dome, visually matching in anodized black. In spite of the budget prices, the woofers are newly designed; even the cone was specially made for the Eton PRA

series. The special feature of the cone is the sickle-shaped „spokes“ embossed in the paper. This is good for stability and, because it divides the surface into smaller asymmetric units, is also good against disturbing partial oscillations. The metal baskets have been borrowed from the PRS and POW lines. The three-dimensional spokes are very stable and there are rear vent openings under the centering spider. The drivers are again special to the PRA and of course work with 25-mm voice coils. Like the cones the effort that Eton has put in is astounding: the pole plates of the PRA woofers are elaborately machine planed – actually always a good indication of quality. Eton has however spared a bit with the crossover. That the woofers man-

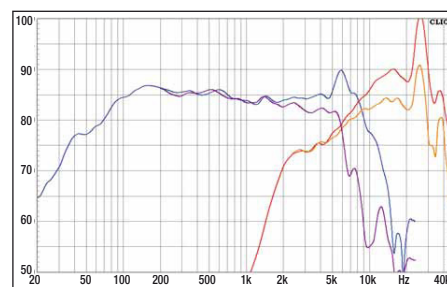
age without one is no problem. The tweeters come with a cable crossover that even so filters at 12 dB per octave, this being done by a small core coil and a tiny electrolytic capacitor.

Measurements and Sound

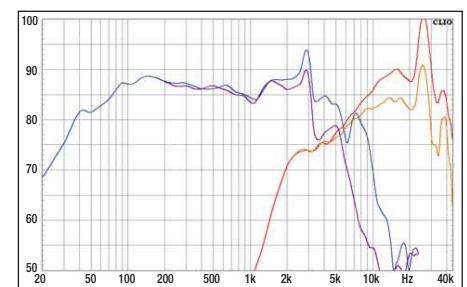
In the test lab the PRA show themselves to be no-frills rock solid speakers. Nothing has been spared on the drivers. This is suggested by Q-factors that are not too high. Also the impedance graphs of the 10-cm and 13-cm speakers are faultless, while the 16-cm speaker shows a small disturbance at the edge of its response range at 2.9 kHz. The tweeter reveals itself as a typical metal dome with a cone resonance at a pleasantly high 25 kHz. Untypical for low-priced speakers are the extremely low distortion figures. The am-



The PRA 10 runs very well, particularly below the corner, with the woofer behaving docile as a lamb



No complaints about how the 13-cm PRA runs, though naturally the tweeter resonance peak at 25 kHz is there for all to see



The PRA 16 is quite loud at 88 dB, which is good for any power amp or radio



The PRA speakers are beautifully made with new paper cones and finely machined pole plates

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plitude responses are in the green zone for all of them. Sonically they show themselves to be lively and fun speakers. The aluminum tweeter makes itself known. However it does not sound too hard or sharp, but lively in the best sense. If you prefer woven fabric domes, then you will certainly find an alternative at Eton. We are glad to see that the PRA speakers do not sound monotonous, to which the woofers of course also contribute. They do a very good job with fresh sound colors and sufficient „punch“. The spatiality is also impressive: it simply makes you happy to listen to music with these PRA speakers.

Summary

Anyone looking for a component speaker system with a great price/performance will not go wrong with the PRA series. The build quality is absolutely terrific, and they make a whole load of fun at an affordable price.

Loudspeaker

	Eton PRA 10	Eton PRA 13	Eton PRA 16
Price	about 180 Euro	about 190 Euro	about 200 Euro
Distributor	ACR, CH-Zurzach	ACR, CH-Zurzach	ACR, CH-Zurzach
Hotline	info@eton-caraudio.com	info@eton-caraudio.com	info@eton-caraudio.com
Internet www	eton-audio.com	eton-audio.com	eton-audio.com

Summary

		Eton PRA 10	Eton PRA 13	Eton PRA 16
▶ Sound quality	55 %	1,2	1,2	1,2
Bass foundation	11 %	1,0	1,0	1,0
Neutrality	11 %	1,0	1,0	1,5
Transparency	11 %	1,5	1,5	1,5
Spatiality	11 %	1,0	1,0	1,0
Dynamics	11 %	1,5	1,5	1,0
▶ Lab	30 %	1,3	1,3	1,5
Frequency response	10 %	1,5	1,5	1,5
max. volume	10 %	1,5	1,5	2,0
Distortion	10 %	1,0	1,0	1,0
▶ Practice	15 %	1,3	1,3	1,3
Crossover	10 %	1,5	1,5	1,5
Workmanship	5 %	1,0	1,0	1,0

Technical data

	Eton PRA 10	Eton PRA 13	Eton PRA 16
Chassis diameter	100 mm	132 mm	165 mm
Mounting cutout	91 mm	112 mm	142 mm
Mounting depth	45 mm	57 mm	66 mm
Magnet diameter	68 mm	75 mm	75 mm
Tweeter dome diameter	25 mm	25 mm	25 mm
Tweeter housing diameter	45 mm	45 mm	45 mm
Slope	-12 dB	-12 dB	-12 dB
Tweeter protection	-	-	-
Tweeter volume adjustment	-	-	-
Grill	-	-	-
Other	-	-	-
Nominal impedance	3 Ohm	3 Ohm	3 Ohm
DC resistance R _{dc}	2,47 Ohm	2,51 Ohm	2,54 Ohm
Coil inductivity L _e	0,17 mH	0,27 mH	0,30 mH
Coil diameter	25 mm	25 mm	25 mm
Cone surface S _d	53 cm ²	79 cm ²	137 cm ²
Resonance frequency f _s	89 Hz	62 Hz	57 Hz
Mechanical quality Q _{ms}	2,69	3,84	3,72
Electrical quality Q _{es}	0,66	0,54	0,80
Total quality Q _{ts}	0,53	0,47	0,66
Equivalent volume V _{as}	2,4 l	6,7 l	16,1 l
Moving mass M _{ms}	4,9 g	8,6 g	12,9 g
R _{ms}	1,01 kg/s	0,87 kg/s	1,23 kg/s
C _{ms}	0,65 mm/N	0,77 mm/N	0,62 mm/N
B [*] l	3,20 Tm	3,94 Tm	3,82 Tm
Pressure 1 W, 1 m	85 dB	86 dB	88 dB
Power handling	30 – 100 W	30 – 100 W	30 – 100 W



Concealed in the conventional swivel enclosure is a 25-mm aluminum dome

Upper-class 1,2
CAR & HiFi 1/24
Price/performance: excellent

Upper-class 1,2
CAR & HiFi 1/24
Price/performance: excellent

Upper-class 1,3
CAR & HiFi 1/24
Price/performance: very good

Very solidly made and good value."