

Eton RSC 165/80: High-end active three-way system

# High Performance



► Following the recently presented RSC 165 Eton is pushing the matching mid-range speaker. So there is now a further top-class Eton three-way system available, which we naturally do not want to let slip by.

Eton is probably one of the very few companies that consistently offers all speaker series also as three-way systems. From the high-end system HEX to the entry-compatible PRA there is also an 80 mm mid-range speaker for every series. Therefore it doesn't surprise us that after the RSC two-way set first presented in 2025 there is now a matching mid-range speaker, the RSC 80. It is sold as a pair that you order along with the two-way pack. At 270 euros for the mid-range speaker and 500 euros for the RSC 165 the system is not cheap, but all the chassis impress with first-class quality Made in Germany. And by the way: If you look at what prices are being asked for home hi-fi for high-end speakers you can only describe our RSC as a super bargain. With the RSC Eton is fully committed to the cone technology: Both conical chassis are configured with cones made of aramid fiber fleece-foam-pa-

per sandwich — sounds complicated and it is. The base is formed on a paper carrier, and the front side is the aramid fleece (also known as Kevlar). Hard foam forms the core (brand name Rohacell), and Eton has a lot of experience with sandwich cones. The whole thing is provided with radial stiffening ribs, and closed internally with an aluminum dustcap, directly bonded to the coil former. These measure 32 mm for the 16 cm basket and a full 25 mm for the mid-range driver. The tweeter is not neglected either: here too we are dealing with an elaborate design. Also with a 25 mm coil diameter, the tweeter impresses with its hard cone. The aluminum dome is still the soft part with some damping. The hardness comes from

the addition of an anodized ceramic coating. A highlight is that the tweeter has an installation depth of just a few millimeters. However it is provided with a rear resonance chamber, specially shaped to avoid standing waves. Again an indication of the elaborate design of Eton chassis.

### Measurements and Sound

The resonance chamber ensures that the RSC tweeter has a relatively low resonant frequency at 1.4 kHz. This helps it to operate distortion free down to ap-

The woofer does not feature light or flat construction





Premium build quality including machined hardware and die-cast baskets

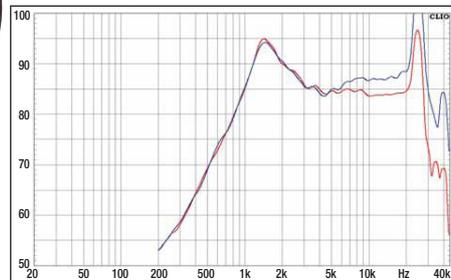
prox 2,5 kHz even though it is mostly not a must in a three-way setup. The lower cut-off frequency is interesting for the mid-range speaker too. Many users want to get as much as they can from the mid-range speaker in a three-way setup, which „lifts“ the music depending on the installation position. At 88 Hz the RSC 80 has a fairly low free air resonance for a three inch unit. We recommend using it from 200 Hz with careful separation. The RSC woofer also has a low resonance thereby living up to its name in the listening test. The bass extends way down low and sounds full and rich. This means the system delivers very nice precise bass. If the two-way system was the proverbial „acoustic magnifier“, then the tree-way system can do the same. It sounds more balanced with more confident male voices and really wonderful overtones from natural instruments. The sparkling rich detail is there as before — perhaps even a bit too much for long distance listeners who are used to a large woven fabric dome. But we really enjoy it, even if and especially when we let our hair down a little.

### Summary

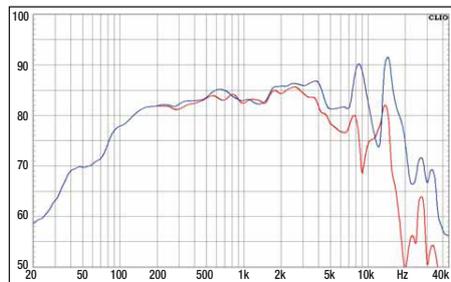
Eton has put a lot of effort into the design and manufacturing of its high-end RSC. It's not exactly cheap, but the result is well worth it.



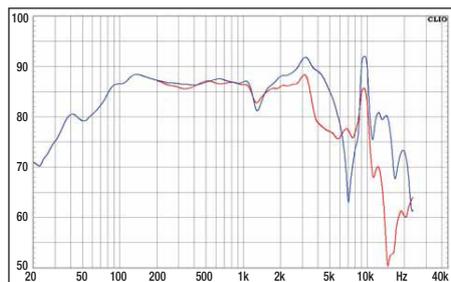
Despite its small dimensions the tweeter does have a small resonant chamber



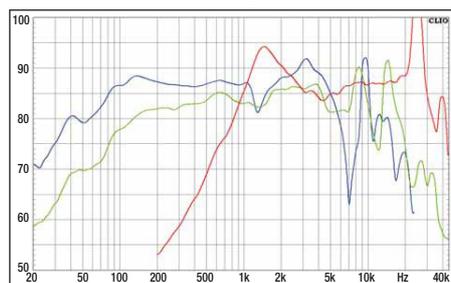
The omnidirectional radiation pattern of the tweeter is very pronounced. Below an off-axis angle of 30° sound pressure hardly drops



The RSC is a genuine mid-range driver without full-range capabilities that can be used faultlessly (only) up to 4 kHz. There is a cone resonance at 8.5 kHz, and at 15 kHz it is the turn of the dustcap



As with the tweeter, Eton accepts a resonance peak (here from the aluminum dustcap) on the 16 cm driver; this one is easy to filter out



Whereas the tweeter and woofer deliver sufficient sound pressure, the little three-inch mid-range driver manages only 83 dB at the lower end and has to be electrically loaded accordingly

**SOUND-TIP**  
Absolute Top-Class  
**CAR & HiFi** 2/2026

### Eton RSC 165/80

Price about 770 Euro  
Distributor ACR, CH-5330 Zurzach  
Hotline info@eton-caraudio.com  
Internet www.eton-audio.com

### Summary

Sound quality	55 %	1,0	■■■■■
Bass	11 %	1,0	■■■■■
Neutrality	11 %	1,5	■■■■■
Transparency	11 %	1,0	■■■■■
Soundstaging	11 %	0,5	■■■■■
Dynamics	11 %	1,0	■■■■■
Lab	30 %	1,3	■■■■■
Frequency response	10 %	1,5	■■■■■
Efficiency	10 %	1,0	■■■■■
Max. SPL	10 %	1,5	■■■■■
Workmanship	15 %	1,0	■■■■■

### Technical Data

Basket diameter	165 mm
Mounting diameter	144 mm
Mounting depth woofer	59 mm
Magnet diameter woofer	95 mm
Mounting diameter mid	94 mm
Mounting depth mid	35 mm
Tweeter dome diameter	25 mm
Tweeter housing diameter	44 mm
Max. cut off frequency W	3,5/6 kHz
Min. cut off frequency T	200/2,5 kHz
Cut off frequency while testing	300/3,5 kHz
EQ while testing	-
Grills	- / • / -
other	-
Nominal impedance	4 ohms
DC resistance Rdc	3,43 ohms
Coil inductivity Le	0,33 mH
Coil diameter	32 mm
Cone surface Sd	139 cm <sup>2</sup>
Resonance frequency Fs	50 Hz
Mechanical quality Qms	5,43
Electrical quality Qes	0,51
Total quality Qts	0,46
Equivalent volume Vas	16,3 l
Moving mass Mms	16,8 g
Rms	0,97 kg/s
Cms	0,60 mm/N
B*1	5,98 Tm
Pressure 2 V, 1 m	86 dB
Power handling	30 – 200 W

### Eton RSC 165/80

**Absolute Top-Class 1,1**

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Price/performance: very good

“Complex system with top results.”