

Eton RSX 80 – classy mini-format coaxial



BEST PRODUCT
TOP-Class
CAR&HIFI 3/2020



The finish of the little RSX is outstanding, offering a die-cast basket and neodymium drive.

Problem solver

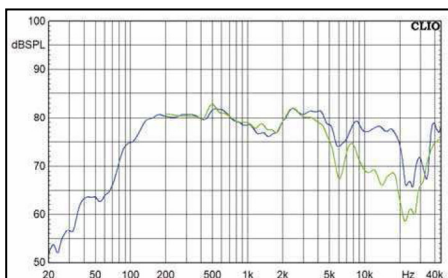
▶ With the RSX 80 Eton is introducing the smallest coaxial unit on the market. We have taken a closer look at the new midget.

The RSX 80 is an 8 cm coaxial unit with a noble, very robust aluminum basket that nevertheless boasts a diameter of 95 mm. The adapter plates included also enable installation in some 10 cm spaces. The RSX 80 is thus a problem solver for some vehicles where the standard speakers do not fit. It also does a great job as a center in sophisticated system concepts. The design is based on the mid-range speaker RSR 80, which has been adapted and provided with a tiny 13-mm tweeter having a metal dome. The very noble finish including neodymium drive and carbon fiber/

Rohacell composite cone together with a fully-fledged external crossover make the RSX a premium coaxial. In the test lab it is up there among the finest with a linear frequency response and very little distortion. Soundwise the midget punches above its weight. Of course you cannot expect bass, but everything else is handled excellently by the RSX 80. It produces superb voices and instruments, and the little tweeter emphasizes the main features at the top end.

Summary

If you are looking for a special, noble mini coaxial unit then the RSX 80 is a very good recommendation.



The external crossover separates the RSX 80 as a full-range speaker with super tweeter. The frequency-amplitude response gives no cause for concern.



Eton RSX 80

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▶ Sound quality	55 %	1,2	■■■■■
Bass	11 %	2,0	■■■■■
Neutrality	11 %	1,0	■■■■■
Transparency	11 %	1,0	■■■■■
Soundstaging	11 %	1,0	■■■■■
Dynamics	11 %	1,0	■■■■■
▶ Lab	30 %	1,3	■■■■■
Frequency response	10 %	1,0	■■■■■
max. volume	10 %	2,0	■■■■■
Distortion	10 %	1,0	■■■■■
▶ Practice	15 %	1,3	■■■■■
Crossover	5 %	1,5	■■■■■
Workmanship	5 %	1,0	■■■■■

Technical Data

Chassis diameter	95 mm
Mounting diameter	77 mm
Mounting depth	34 mm
Magnet diameter	48 mm
TW dome diameter	13 mm
TW housing diameter	–
Crossover slope L/H	6 / 12 dB
Tweeter protection	–
Tweeter volume adjustment	+3, 0, -3 dB
Grille	•
Other	mounting adaptors

Nominal impedance	4 ohms
DC resistance R _{dc}	2,99 ohms
Coil inductivity L _e	0,76 mH
Coil diameter	25 mm
Cone surface S _d	35 cm ²
Resonance frequency F _s	136 Hz
Mechanical quality Q _{ms}	3,25
Electrical quality Q _{es}	0,64
Total quality Q _{ts}	0,53
Equivalent volume V _{as}	0,7 l
Moving mass M _{ms}	3,4 g
R _{ms}	0,90 kg/s
C _{ms}	0,40 mm/N
B* _l	3,25 Tm
Pressure 2 V, 1 m	80 dB
Power handling	20 – 60 W

Summary

Price	about 300 Euro
Sound quality	55 % 1,2 ■■■■■
Lab	30 % 1,3 ■■■■■
Practice	15 % 1,3 ■■■■■

Eton RSX 80

Ultimate-Class
Top-Class
Upper-Class
Middle-Class
Entry-Class

1,2

Price/performance:
excellent

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"Mini coax unit for discerning listeners"