

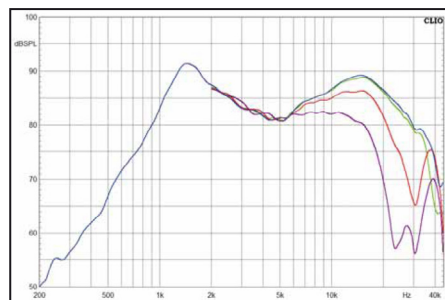
Eton CXS 28+
- a tweeter for
universal use

HIGHLIGHT
Tweeter
CAR&HiFi 1/2023

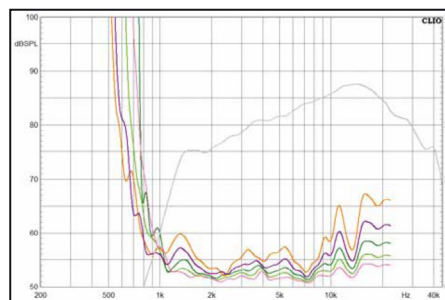
New tweeter generation

► At Eton, the current Plus speaker sets come with an inconspicuous but fine tweeter called CXS 28+. We want to dedicate a separate story to this item here.

If you don't want to buy your front system as a ready-made passive composite system, but want to put together your woofers, midrange drivers and tweeters individually, you should take a closer look at the Eton CXS 28+. By default, it is the tweeter in Eton's POW+ and also PRO+ component systems, but it is also available as a tweeter pair for the price of 180 euros. Thus, it does not compete with high-end specimens, but remains affordable for the ambitious normal earner. In addition, we have tested it in three tests and found it to provide excellent sound. The highlight of the CXS 28+ is that it comes in the same housing as its 25-millimeter predecessor, but at 28 millimeters it has both a larger diaphragm and a coupling volume - it may be the most compact 28mm tweeter on the market. Like all of Eton's small speakers, the CXS 28+ is Made in Germany and excellently crafted. Eton has put a lot of effort into the design, as evidenced by the new dome geometry of the hand-



In the baffle and without a crossover, the CXS 28+ bucks in the range of its self-resonance, which has to be ironed out by the crossover. For a 28 millimeter dome tweeter, the Eton loses just little output off-axis.



The total harmonic distortion of 96 - 108 dB (0.5 m, with crossover) is wonderfully low, only at extreme levels it rises harmlessly above 10 kHz.

coated fabric diaphragm, which has been optimized for best off axis frequency response.



The geometry of the dome was designed for good omnidirectional sound distribution.

Our measurements award the CXS 28+ an excellent testimony. Thanks to the coupling volume, the resonance frequency lies at 1.3 kHz, which is low for the size of the housing, allowing to cross in at 2.5 kHz. Its amplitude frequency response reaches at least up to a good 20 kHz - as mentioned, completely sufficient in the listening test. As a showpiece, the CXS 28+ serves its low distortion, which remains low even at considerable sound pressure levels.

Conclusion

The Eton CXS 28+ is a cleverly designed, very good sounding and reasonably priced tweeter that scores with a large diaphragm area and coupling volume in an extremely small physical design. Perfect for an individually assembled front system.

Eton CXS 28+

Price	about 180 Euro
Distributor	ACR, CH-5330 Zurzach
Hotline	info@eton-caraudio.com
Internet	www.eton-audio.com

Technical Data

Tweeter housing diameter	60 mm
Mounting diameter	45 mm
Mounting depth	16 mm
Magnet diameter	-
Dome	silk
Coil	copper
Coil carrier	aluminum
Magnet	neodymium
Max. cut off frequency	-
Min. cut off frequency	2,5 kHz
Weight	62 g
Other	-
Nominal impedance	8 ohms
DC resistance R _{dc}	6,42 ohms
Coil inductivity L _e	0,40 mH
Coil diameter	28 mm
Cone surface S _d	6 cm ²
Resonance frequency F _s	1308 Hz
Mechanical quality Q _{ms}	3,55
Electrical quality Q _{es}	3,72
Total quality Q _{ts}	1,82
Equivalent volume V _{as}	-
Moving mass M _{ms}	-
R _{ms}	-
C _{ms}	-
B*l	-
Sensitivity 2 V, 1 m	87 dB

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Eton CXS 28+

"Great tweeter for affordable individual front systems".