

Axton ATS-TOY160C: Door speaker for Toyota, Lexus and Subaru



Sound for japanese cars

► Having already tested numerous speakers for BMW, Mercedes and VAG vehicles, a Toyota speaker set has also now found its way into our editorial office. We are looking at the ATS-TOY160C from Axton.

For a long time, Axton has been known for delivering outstanding quality, especially in the budget market segment. The DIN-format ATC series enjoys an excellent reputation, with the 16-cm two-way system costing just 120 Euro. But there are also vehicle-specific speakers, which are then called Axton ATS for 'specific', which would include the usual suspects plus Ducato,

Hyundai and now also Toyota. First of all, please refer to the homepage for a compatibility list, because beside many Toyotas, the system also fits into new Lexus models of various build years as well as in diverse Subaru and the Peugeot 108. The cost

for a precisely fitting speaker with special brackets and wiring is somewhat higher than for a standard component system, and so Axton is asking for 180 Euro for our ATS-TOY160C, which is still very inexpensive by comparison. The woofer comes with a plastic basket, together with mounting ring; it features numerous ventilation openings as well as a series of molded-in supports for secure installation. The technology uses a 25 mm voice coil and the familiar paper cone with quartz sand coating. At the front a foam seal ensures that all sound passes through the door panel. The tweeter is housed in a very compact enclosure for the mirror triangle; its connection cable also incorporates the system's only crossover, a capacitor. The cone has a special little feature from Axton in that the dome is not of woven fabric but of aluminum in 19-mm format, located by a soft fabric surround. The tweeter connections are universal flat plugs, with connection to the vehicle being via the supplied adapter cable. In the case of the woofer this is mostly done using the vehicle wiring harness; for some vehicles an adapter is also included. The Axton App also gives DSP setups for the company's A544DSP and A594DSP amplifiers, naturally designed for Toyotas like the speakers themselves.

Measurements and sound

The Toyota woofer has a cone area that exactly corresponds to a standard 16-cm or 165-mm speaker. The well-known and highly regarded cone once again demonstrates that it performs very well without a crossover, a feature that worked particularly well in the target vehicles during the system's development. Our measurement microphone



The asymmetric 'piston skirt' is a unique feature of the Toyota woofer

Thanks to the compatible socket the woofer can be connected directly to the vehicle wiring harness



confirms that the speaker exhibits very low resonance: the small peak at 4.5 kHz is barely noticeable and causes no disturbance. This is also evident in the clean distortion spectrum with no significant interference. The metal tweeter naturally exhibits cone resonance. However, with a small dome this is at a fairly high frequency, not occurring until 26.5 kHz. With regard to distortion figures, the aluminum dome then exploits its advantages, with distortionless working and is therefore virtually distortion-free. This is where the affordable ATS-TOY160C readily distinguishes itself. It also performs well in the lis-

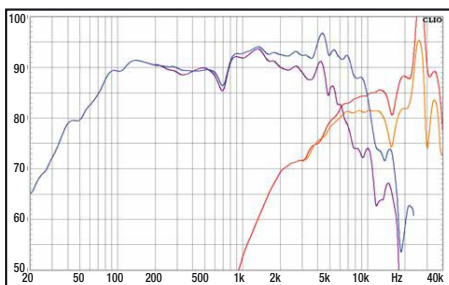
tening test: it sounds balanced, with the right amount of midrange and bass, so the sound comes across as crisp and well-defined, without any muddiness. The vocal range is pleasing with accurate timbres and a very agreeable overall sound. The dome tweeter dome level has been turned down to make it suitable for the car. It adds some really nice high-frequency detail without being annoying like earlier metal tweeters.

Summary

The ATS-TOY160C immediately impressed in the test lab with a first-class performance, both technically and in terms of sound. Value for money is excellent, so you could say Axton did everything right.



Tweeter and woofer are mounted using the accessory adapters supplied



The 'metal peak' of the tweeter dome does not occur until high up at 26.5 kHz. The 160-mm woofer performs flawlessly with no sharp cone resonances



Small but stylish aluminum dome that fits perfectly in the original factory locations

BEST PRODUCT
Toyota-Loudspeaker
CAR & HiFi 4/2026

Axton ATS-TOY160C

Price	about 180 Euro
Distributor	ACR, CH-5330 Zurzach
Hotline	info@acr.eu
Internet	www.axton.com

Summary

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

Technical Data

Basket diameter W	165 mm
Mounting depth with ring	46 mm
Magnet diameter	85 mm
Tweeter dome diameter	19 mm
Tweeter housing diameter	33 mm
Slope W/T	- / 6 dB
Tweeter protection	-
Tweeter adjustment	-
fits in	many Toyotas, Subaru, Lexus
other	various apater-cables, rivets
Nominal impedance	3 ohms
DC resistance Rdc	2,57 ohms
Coil inductivity Le	0,26 mH
Coil diameter	25 mm
Cone surface Sd	141 cm ²
Resonance frequency Fs	72 Hz
Mechanical quality Qms	7,05
Electrical quality Qes	0,70
Total quality Qts	0,64
Equivalent volume Vas	9,9 l
Moving mass Mms	13,7 g
Rms	0,88 kg/s
Cms	0,36 mm/N
B*I	4,77 Tm
Pressure 2 V, 1 m	90 dB
Power handling	20 - 100 W

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Toyota-loudspaker 1,2

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Price/performance: excellent

"A superbly executed Toyota system."