



**CREATE  
YOUR OWN  
SOUND**

## ATS-TOY160X – COAXIAL SYSTEM FOR TOYOTA

The ATS-TOY160X is a 2-way plug & play coaxial system from the SPECIFIC series, developed for numerous Toyota, Lexus, and Subaru models. SPECIFIC not only stands for a design that is precisely tailored to the vehicle, including matching original connectors, but also for a sound tuning that is optimally designed for the acoustic conditions in the vehicle. Replacing the OE speakers is particularly easy: the ATS-TOY160X fits exactly into the original installation openings and can be connected directly to the existing plug connections without any additional adjustments.

### THE MID-WOOFER

The 16.5 cm woofer is equipped with the proven AXTON CRYSTAX cone. The warm-sounding paper cone is given additional rigidity by a special coating of quartz crystals. This noticeably improves impulse response and responsiveness. The low frequency range is powerful and controlled, while voices and instruments are reproduced clearly and cleanly – a real advantage for rhythmic and detailed music.

### FOR TECH ENTHUSIASTS

The measurement data for the ATS-TOY160X woofer is also impressive. Precise Klippel analyses confirm a very high symmetry of the force factor (Bl) and the spring stiffness of the oscillating unit (Kms). Even at high excursion levels, uniform forces act on the voice coil during the movement and return of the diaphragm. These characteristics are a key prerequisite for authentic, low-distortion, and musically clean reproduction.

For use in the rear vehicle doors, the woofer was specifically tuned to a resonance frequency (Fs) of 63 Hz and a Qts value of 0.62. This setup ensures high power handling, a natural, confident low-frequency range, and supports balanced, pleasantly relaxed midrange reproduction.

### DSP SETTINGS FOR ABSOLUTE HI-FI ENJOYMENT

The apps for the AXTON DSP amplifiers A544DSP and A594DSP offer a specially tuned sound preset for the combination of ATS-TOY160C and ATS-TOY160X. This preset is currently available for the Toyota C-HR, with other vehicles to follow. The sound preset is specifically tuned to the vehicle using time alignment and extensive equalizer settings. The preset is available free of charge in the A544DSP or A594DSP apps.

### THE TWEETER

Since the ATS-TOY160X coaxial system is usually installed in the lower door area, a tweeter with a 25 mm aluminum dome is used. The size and geometry of the dome ensure clear, brilliant high-frequency reproduction with precise spatial imaging at the listening position. The elastic mounting in a fine fabric surround also enables detailed reproduction of the finest musical nuances up to over 22 kHz.

### THE CROSSOVER

A carefully designed crossover is essential for harmonious interaction between the tweeter and woofer. In the ATS-TOY160X, this task is performed by a high-quality 12/12 dB crossover for the low and high frequency ranges. It ensures that both drivers work together optimally to produce a stable, balanced sound image.

### KEY FEATURES ATS-TOY160X

- 16.5 cm mid-woofer: OE-fitting composite basket and connectors, strontium-ferrite magnet, NOMEX spider, 25 mm voice-coil, AXTON CRYSTAX cone, rubber surround
- 25 mm tweeter: aluminium dome, fabric surround, ferrofluid cooled voice-coil, KSV voice-coil former, 12/12 dB onboard-crossover
- Scope of delivery: 2 x coaxial speaker, 2 x AXTON SPECIFIC label (metal)

### TECHNICAL DATA

	ATS-TOY160X
Rated power handling	80 W RMS
Frequency response	55 Hz – 22 kHz
Impedance	3 ohms
Sensitivity (1 W/1 m)	90 dB

