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YOUR OWN  
SOUND**

## ATS-HY160C – COMPONENT SYSTEM FOR HYUNDAI I30 PD

The ATS-HY160C is a precisely fitting 2-way plug & play component system from the SPECIFIC series for the Hyundai i30 PD. SPECIFIC not only means a precisely fitting design and connectors, but also vehicle-optimized acoustics. Replacing the original factory system with the ATS-HY160C is child's play. The components fit perfectly into the respective speaker mounts and are simply connected to the original connectors.

### THE MID-WOOFER

The 16.5 cm woofer is equipped with the proven AXTON CRYSTAX cone. The naturally warm-sounding paper cone is given greater rigidity by an additional coating of quartz crystals for more impulsive bass reproduction and a faster response. This gives the mid-woofer a very powerful yet accurate sound; it clearly highlights instruments and voices, which is particularly valuable for lively music reproduction.

### FOR TECH ENTHUSIASTS

The intensive development work on the ATS-HY160C woofer is impressive. Klippel measurements confirm a high degree of symmetry in the force factor (Bl) and the spring stiffness of the oscillating unit (Kms): Even at high excursions, the same forces act on the suspension unit when the diaphragm moves in and out – a cornerstone for lifelike and low-distortion music reproduction.

For use in the i30 vehicle door, the mid-woofer was tuned to a low Fs of 61 Hz and a Qts of 0.58. On the one hand, this results in high level stability and powerful bass, and on the other hand, it ensures harmonious, relaxed midrange reproduction.

### THE TWEETER

The tweeter is equipped with a 25 mm aluminum dome and impresses with its brilliance and spatial reproduction. The soft suspension in a

filigree fabric surround enables high-precision reproduction of musical details up to over 22 kHz. Thanks to its vehicle-specific design, the tweeter integrates perfectly into the original mounting bracket. For added safety, the connection cables are covered with foam tape; the plug fits exactly into the original connection.

### THE CROSSOVER

The crossover of the ATS-HY160C requires only an 18 dB/oct. filter for the tweeter to optimally adapt the interaction of the woofer and tweeter to the i30 vehicle acoustics.

### KEY FEATURES ATS-HY160C

- 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, OE-fitting connectors
- 18 dB/oct. in-line tweeter cable crossover
- Scope of delivery: 2 x mid-woofer, 2 x tweeter with cable crossover, 2 x AXTON SPECIFIC label (metal)

### TECHNICAL DATA

TECHNICAL DATA	ATS-HY160C
Rated power handling	80 W RMS
Frequency response	55 Hz – 22 kHz
Impedance	3 ohms
Sensitivity (1 W/1 m)	90 dB

### DSP SETTINGS FOR ABSOLUTE HI-FI ENJOYMENT

A preset for the ATS-HY160C is stored in the apps of the AXTON DSP amplifiers A544DSP and A594DSP for use in the Hyundai i30. This sound profile uses time alignment and numerous equalizer bands to perfect the sound in the Hyundai i30. The preset is available free of charge in the A544DSP or A594DSP apps.

