



The new
Troy Audio's Acapulco
loudspeakers is the new
interpretation of the
famous 1960 classic
Altec Santana speaker.

Only difference
is we've improve
the design using new
concept to create a
highly musical system
that will fit the
discriminating taste
of the present day
Audiophiles.



www.troyaudio.com

Fun in Acapulco!



We redesigned the baffle and used high quality wood and Premium veneer, that will re-create true to life sound in a two way configuration. Thanks to the superb Biflex 415-8C driver manufactured by our sister company Great Plains Audio and a state-of-the-art Fostex tweeter. We designed the crossover as simple as possible so as not to interfere the audio signal, using premium components.

We use Cardas connectors for the binding post and brushed metal spikes carefully designed into teardrop shape to minimize vibration. Acapulco includes a base that raises them off the floor and provides a 5-degree listening angle, something very comfortable for the audiophile and music enthusiast cause this generates a more homogeneous time response between woofer and tweeter.

The heart of the Acapulco is the aforementioned 415-8C driver. Biflex drivers provide high efficiency, wide range and smooth response over an unusually wide distribution area.

With the introduction of the patented Biflex principle, the problem obtaining full frequency reproduction from a single cone loudspeaker is now considered solved. Whereas, in the past, it was necessary to provide a compromise between the smaller cone with minimum weight and diameter, best for HF reproduction, and the larger heavier cone for optimum for bass response. Biflex loudspeaker used the principle of damped mid-cone, wherein the entire area of the speaker cone propagates the low frequencies and the smaller central cone for the high frequencies.

Below 1000 cycles, the stiffness of the mid-cone conform in such a way that it couples the inner and outer sections into a single moving element. Above 1000 cycles, the balanced mass of the outer portion of the cone uncouples at this point, permitting the inner section to operate independently. The Biflex design coupled with the famed GPA Quality precision standards, produces a loudspeaker whose performance exceeded in many ways from other competitors in the market.

The 415C employs Alnico V magnets for maximum efficiency, the voice coil is of the edge-wound aluminum, situated in deep magnetic gap to maintain proper cone control and linearity, resulting in extremely low distortion, even during excessive cone excursion. The 415-8C driver basket has been redesigned to provide increase strength and stiffness.

We use a modified version of a Fostex super tweeter with an Alnico magnet. The coupling between the super tweeter and the Biflex horn has been well calculated in impedance and sensitivity. In addition we are allowing the full response of the Biflex driver - which naturally has a soft roll-off from 14 KHz, at which point the super tweeter starts to function, only as a subtle reinforcement at extremely high frequencies. The tweeter is surrounded by a plate that doubles and serve as a waveguide that expands high-frequency coverage, thus unveiling a wide soundstage.

As the King of Rock and Roll, Elvis Presley, used to say:
Fun in Acapulco!

Dimensions
Loudspeaker
Height: 675 mm
Width: 545 mm
Depth: 489 mm
Base
Height: 146 mm
Width: 500 mm
Depth: 440 mm
Nominal impedance:
8 ohms
Sensitivity:
97 dB SPL
1 watt 1 meter
Frequency response:
26 Hz -22 kHz

