



APERTURA Onira

(www.AVReport.ru – online audio/video portal)

Average price: 366 300 Rub.

Distinctive features



The acoustics of Apertura is highly unusual in every aspect. Maybe we should start with the fact that in the product range there are not only no subwoofers and center channel acoustics but also no bookshelf speakers. Apertura works only with floor standing speakers of various sizes that are designed for music listening.

The body of the model Apertura Onira may seem familiar only at the first glance. The acoustics has outwardly curved sides which is not uncommon but at the same time its back and front walls are not parallel. They are placed in such a way that if the back wall of both speakers is positioned strictly along one of the walls the fronts panels will be directed to the place of listening. It is a wonderful solution in terms of cancelling rereflections and standing waves and besides such an acoustic system looks unusual. The body is made of solid multi-layer MDF, the walls are 25 mm thick and the thickness of the upper and lower panels is 47 mm. Together with the great number of inside partitions and reinforcement ribs this makes the body acoustically inert. The speakers are positioned not on four spiked feet as it is usually done, but on five. The fifth support point is the most important one, it is located strictly under the gravity center of the body and in fact the entire weight falls on it. The other four feet that are positioned on the sideward toes serve only to keep the body in vertical position and there is virtually no mechanical loading on them. Frequencies higher than 3 khz vocalize the band tweeter with polymer aluminum diaphragm and neodymium magnet. The medium and lower frequencies are given to the two identical driver units with a 165-mm diaphragm made with the technology Isotactic Matrix from woven material and polypropylene. Diaphragms of this type are noted for their high linearity of the broadband frequency response and also have a minimum level of internal resonance. The magnetic system of the medium and lower frequencies drivers is assembled on the basis of a big ferrite magnet with a diameter of 110 mm and a big copper ring was placed on the core for balancing the magnet field and reduction of distortions. The internal wiring is made with a high-quality cable of silver-plated copper with teflon insulation. The crossover is assembled with the original scheme DRIM and the audiophile elements Mundorf and Jantzen. Christian Yvon – the author of the scheme and designer of the company Apertura applied for each of the three transmitters filters of different types with rolloff slope of 6, 12 и 24 dB. This allowed to make the bank interface seamless and minimized the distortions of all sorts both intermodulation and temporary distortions.

Short description

The acoustic system in a remarkable manner combines an almost monitor precision with exclusive liveliness and musicality of the sound. This is really a wonderful alternate design of a stereo system.

Impression



The manufacturing quality of the speakers Apertura Onira is extremely high, the finishing, the side planes, the interfaces give no rise to unfavorable criticism. The feet are easily adjustable and have quite good aesthetics. The only issue is that the designer somehow decided not to hide the magnetic fixing of the grills under a layer of veneer and as a result the magnets briskly shine against the background of the perfectly varnished dark wood.

The velvet crescent attached beside the band tweeter serves to reduce the interference effect – it is placed in the area which most intensively rereflects the emission of the tweeter. The medium and lower frequencies driver units have quite a soft suspension that provides for the easy and free running of the diaphragms.

The recommended capacity of the amplifier is not indicated in the nameplate data, however there are data on the sensitivity and the impedance: 91 dB and 4 Ohm correspondingly. Judging by these figures and by the quite easy running of the diaphragms of the medium and lower frequencies driver units it is possible to use even a not too powerful tube amplifier together with Apertura Onira. However during the testing we decided not to experiment and not to imperil the possibility to get a colored sound and that is why we connected up the acoustics with the powerful power amplifiers Bryston that have the most precise and neutral sounding.

The sound of the acoustics amazes primarily with its exclusive clarity and also with its excellent micro- and macrodynamics. The higher frequencies sound light without any limitations and

distortions the joining of the ranges of the driving units is absolutely seamless as a result of which the middle plays no less smoothly, openly and clearly. The lower frequencies section works up to the very deep bass.

The timbers of the instruments flow richly, vividly and realistically. The overhangs and the long vibrato are exceptionally prolonged. The vocal is absolutely natural and real.

Despite the specific scheme of the filter this acoustic system is dual band and this means that the scheme of functioning is close to D'Appolito. This, together with the excellent phase coherence of the driver units makes for a beautiful rendering of the soundstage. The sound picture has a perceptible breadth and depth, the sound sources are perfectly localized.

The system perfectly combines high resolution and authenticity and exceptional mobility and vividness of the sound. Any genres are reproduced qualitatively but still some inclination for live music is noticeable. The light mobile middle and lower frequencies driver units are exceptionally good in reproducing complex overtones and subtle nuances which are abundant in classics, vocalism, jazz, ethnic music and any live recordings. However, for heavy and hard electronic music more suitable would be speakers with a heavier and bouncier bass or a subwoofer will be needed for the system as an additional lower frequencies support.



Specifications

Type of acoustic system	passive
Positioning	floor
Material of the body	Multi-layer MDF
Loading	Bassreflex
Number of bands	2
Hypertweeter, mm	-
Driver unit HF, mm	127
Driver unit MF, mm	165
Driver unit LF, mm	165
Recommended capacity of the amplifier, W	no data
Frequency range, hz	35-30000
Crossover frequencies, hz	3000
Sensitivity, dB	91
Nominal impedance, Ohm	4.00
Magnetic screening	Yes
Height, mm	1200
Breadth, mm	254
Depth, mm	340
Weight, kg	42
Coloring	Four colors (including three varnished: rosewood, maplewood, black ash)