STEREO & VIDEO

## High Fidelity

3/2017

**Euphoria serves euphoria.**

# HIGH END SPEAKERS EUPHORIA FROM RDACOUSTICS

**A unique one and a quarter band speaker system Euphoria, which is produced by RDacoustic from Roznov pod Radhostem, which we had the very first oportunity to test and review. This test can be considered as an invite to Prague's exhibiton Audio Video Show, where Euphoria will be introduced it its own world premiere.**

Do you feel that „worldliness“ postscript is little bit too much? Than you have probably missed that RDacoustic were the only representatives of Czech speakers production at High End Munich exhibition and also participated at Warsaw and Budapest exhibitions, where they have presented full range system Evolution (S&V 5/16). Those were tested abroad by French Hifi Pig, where reflection of  Euphoria, Evolutions nicer cousin will soon be also available. Euphoria's full range drivers are accompanied by 15 inch woofer operating on low crossover frequency corresponding to quarter of a range. This concept lower the demands on inner volume of baffles, which is usually demanded by full rangers, because of  the reproduction from deep octaves. The overall shape is now also more pleasant, with higher representation of solid wood.

Aiming towards the women factor? Due to the right of veto, which floats above the purchase of audio equipment around the family fire, just like the sword of Damocles, definitely yes.

## Ready for conversion.

Curved cabinets design is in my opinion effective and efficient. Front and rear walls made of solid wood of overall thickness 40mm are copying overlaps of both drivers radius roundness. Choice of oak, ash, cherry and American walnut finish. The remaining part of acoustically inert cabinets is made of kit of segments and laminations from the hardest fiberboards (Ultra-HFD). Besides that, side walls are coated with 5mm damping material and upholstered leatherette on the surface. Type of leatherette is optional from the sampler, that together with 4 types of wood, offers countless of combinations.

Speakers spikes is solved originally by three balls made of dried oak wood (ø 35 mm) attached to a base in shape of letter T. Whilst usual apex has only one contact point with the floor, the ball offers two and the transmission of vibrations is truly minimal.

Standardly equipped with modified full range driver Fostex FE206En (ø 203 mm), which is easily replaceable with any 8 inch type of driver (top of range Fostex, Voxativ, Lowther etc).

The Bass are performed by 15 inch deep tone woofer Beyma 15MI100 (ø 380 mm) operating on low crossover frequency 180 Hz which is not recognizable by human ear.

Every speaker has its own acoustic chamber, bassreflex pipes orifice next to each other on front wall. It is rounded using a huge radius, just as the front walls along the perimeter of both drivers, which exude the diffraction of sound waves.

## Bass on demand

Electrical crossovers in connection of 4th grade has high steepness -24 dB/octave, which Euphoria thanks for detailed presentation of bass. It is not interfered by bottom part of middle range, moreover, an air coils in connection come out smaller, but everything is of course relative: the biggest one, coiled with 1.4mm enameled copper wire, on wooden spike, weighs a quarter of a kilogram.

The plate with two couples of custom made RDacoustic terminals allows after removal of strong jumper from 99,8% clean copper optimally BI-Amping connection.
Speaker Terminals are galvanic metallized due better conductivity. The base plate and controls got the same surface finish. Ratio of bass component within the sound presentation can be tuned in 5 levels. Pure equals maximal level of detail, Balanced to balanced hearing and for bigger dominance of bass there is option of Defined +1dB, +2dB and +3dB.

It depends solely on individual preferences, acoustics of listening room and particular musical genre. Sensitivity of system, which frequency range is not enough only for minimally frequent tones from the deepest sub contra octave, starts at 96dB/W/m, which represents good news for any amplifier.

## What was used for the test

The test was taken in Roznov pod Radhostem in listening room of RDacoustic. System was accompanied by integrated amplifier Denon PMA-1510AE and SACD/CD player Pioneer PD-50. Signal cables were Vincent Premium (0,6m) and speaker ones KaCsá Flat (2x3m).
As for music I have chosen SACD Chick Corea: Rendezvous In New York (Stretch Records, 2003) a Mahavishnu Orchestra: Birds Of Fire (Audio Fidelity, reed. 2015), CD Leonard Cohen: You Want It Darker (Columbia, 2016), Petra Haden: Goes To The Movies (ANTI, 2013), Kodo: Ibuki (Columbia, 1996), Medeski, Scofield, Martin & Wood: Juice (Indirecto Records, 2014), Old Czech Organ Music Of The 18th Century (BONTON Classics, 1992), Propellerheads: Decksandrumsandrockandroll (Wall Of Sound, 1998) a Yo-Yo Ma: Simply Baroque (Sony Classical, 1999).

## The Bat Ear

Euphoria system will convince the listener within listening of first couple of records.
It catch you with transparent sound across the whole of transmitted range, detailed presentation of middles, depth of spaciousness and infallible localization of individual instruments. What really makes the difference to older Evolution system is the bass presentation which easily can be labeled in 3 attributes: solid, accurate and unprecedentedly detailed. That euphoria from truthful presentation of records, where full rangers usually excel within range of middle frequency, rich in colourform higher harmonic, is situated 3 octaves deeper. From the audiophile nirvana you can be taken out only by inappropriately chosen record with lower technical quality, to which ordinary speaker systems are much more merciful.

**SCORE**

**FOR**: extraordinary spaciousness and localization of instruments, solid bass, compact dimensions, bass optimalization upon individual preference and characteristics of listening room and music genre.

AGAINST: wont fit into smaller listening room

**SOUND 10**

**DESIGN 10**

**EXCELLENT 10**

**PARAMETRES**

| | |
|---|---|
| Type: | one and a quarter band with bassreflex |
| Frequency range: | 30 – 25 000 Hz |
| Impedance: | 8 ohm |
| Crossover frequency: | 150 Hz |
| Char. Sensititvity: | from 96 dB (1,83 V, 1 m depending on type of driver) |
| Dimensions: | 51 × 93 × 48 cm |
| Weight: | 47 kg / one piece |
| | |
| Web: | rdacoustic.cz |