

## Credo Audio Switzerland - EV 1202 Ref

We offer modernism and simplicity in the the design of our products. With attention to detail we select materials and define textures.

In a Credo speaker you'll find several very unique features and designs, developed and implemented over many years. We always focused on the highest goal in speaker-design, to reproduce all kinds of music and genres, without compromise.

Sustainability, uncompromising sound quality and longevity play a role as well as our principle: "Less can be more".

Compared to the smaller EV 900 Ref, the EV 1202 is designed for medium- to large- listening-rooms. Offering even less distortion, with punchy and controlled bass. Greater SPL is no problem, still being a slim and elegant high-end speaker.

So the paper-cone, symmetrical drive mid-woofer is accompanied by a 1" tweeter. The mid-woofers sliced-cone prevents effectively cone breakups, so it is playing from 33 Hz and blending over gently to the tweeter, protected by a high-pass filter. As always with Credo Audio speakers, we achieved linear impedance and a very good efficiency, making it an easy load for amplifiers.



- Tweeter: 1 x 1" Coated textile, neodymium magnet, symmetrical drive motor
- Mid-Woofer: 2 x 5.5" sliced paper cone, large ferrite magnet symmetrical-drive
- Tuning: Bass reflex (back)
- Crossover: 2-way proprietary filter-design
- Frequency response: 37 Hz - 20 kHz, +/- 3dB
- Roll-off: 36 Hz -2dB, 33 Hz -10dB
- Sensitivity: 86.6 dB @ 2.83V @ 1m
- Linear impedance: nominal 4  $\Omega$ , min. 2.1  $\Omega$  @ 40 Hz; max. 10.4  $\Omega$  @ 1.2 kHz
- Recommended amplifier: 50 W RMS
- Weight: 20.0 kg p.p. without packing
- Size: (H x D x W): 123.4 cm x 22 cm x 18 cm
- Hand-crafted by Credo Audio Switzerland

### Smooth impedance - amplifier optimized

Why do we optimize the impedance of our Credo speakers? To provide optimum working conditions for the amplifier. This is achieved by making the load "amplifier friendly". In High-End we often speak about matching the components, the most critical is the relationship between amplifier and loudspeaker. The speaker is a significant load for the power amplifier's output stage. When we look at numbers we often read four or eight Ohms specified impedance, which is meant from 20 Hz - 20 kHz - but that is radically simplified, since no speaker has a stable impedance of exactly 4 $\Omega$ . So we never have a stable load for our amplifier. When looking at the typical design, it is obvious that a stable impedance helps the amplifier to perform, also at higher frequencies.

#### Our design guidelines:

- The impedance of a loudspeaker must be as linear and smooth as possible

- No excessive "impedance correction circuits" in the crossover
- No dips exceeding 20% of specified impedance according to the IEC 60268-5 standard

**Why even a superb amplifier will sound better with Credo speakers:**

- An uneven impedance causes reactive behavior, making the amplifier stressed and unstable
- Performance will improve with a well-defined, stable impedance compared to a heavily fluctuating one
- It will improve performance for all types of amplifiers

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## Made in Switzerland

We manufacture our products. And for us that does not mean to do the final assembly of purchased parts which were produced in Far East.

The manufacture of loudspeaker terminals and circuit boards for crossovers or CNC milling and engraving, and much more is done here at the manufactory. All boards are also equipped by hand.

Also large parts made of MDF for speakers or aluminum for amplifiers are manufactured on our CNC milling machine.

A small team is responsible for the entire process, from the design, programming, milling to the to final assembly and quality inspection.