

DEMOGRAF AUDIO

Cassandra MkII

Time-aligned two-way floorstanding loudspeaker with BEAG HX-302 cobalt drivers, 95 dB, down to 28 Hz

Made by Dmitriy Gubchenko. Every unit ships with a Manufacturing Record stating its country of origin and a bill of materials.

Sound

Classical · jazz · vocal · acoustic · blues · rock · electronic

Cassandra MkII is a floorstanding loudspeaker with a monitor's precision: it shows what is on the recording without sounding cold or becoming tiring. The low/mid driver is a BEAG HX-302 with a paper cone and cobalt magnet; the treble comes from a SICA high-efficiency tweeter through a simple second-order crossover at 3.5 kHz. The horn-loaded tweeter and the stepped-forward woofer are aligned in time, which keeps the image precise and three-dimensional. The rear port takes the bass down to 28 Hz, and 95 dB sensitivity lets it work from 3 W tube amplifiers.

Compared with: Studio monitors

Materials & build

The MkII revision refines the cabinet and the crossover; Mundorf silver capacitors are available as a crossover upgrade.

- Rear-ported bass reflex
- Second-order filters, crossover point 3.5 kHz
- Walnut veneer with maple inlays or a custom solid-wood cabinet

COMPONENT	MANUFACTURER	COUNTRY OF ORIGIN
Low/mid driver HX-302 (paper cone, cobalt magnet)	BEAG	Hungary
High-efficiency tweeter	SICA	Italy
Crossover capacitors (upgrade)	Mundorf	Germany
Internal wiring: Proprietary "RareCoreFusion" Alloy	Demograf Audio	Own manufacture

Signal path

Input **Terminals** → Crossover **3.5 kHz · 2nd order** → Low / mid **BEAG HX-302** → Treble **SICA horn** → Enclosure **Bass reflex**

Specifications

Placement	Floor-standing
Impedance	10–14 Ω
Frequency response	28 Hz – 20 kHz
Sensitivity	95 dB (1 W / 1 m)
Crossover point	3.5 kHz (2nd Order Filters)
LF/MF driver	BEAG HX-302 (Paper Cone, Cobalt Magnet)
HF driver	SICA Professional High-Efficiency Tweeter
Internal wiring	Proprietary “RareCoreFusion” Alloy wire
Acoustic design	Rear-ported bass reflex
Minimum amplification	From 3 W (well suited to tube amplifiers)
Origin	Made in Kazakhstan by Dmitriy Gubchenko

Options

Number of ways

- 2-Way Loudspeaker System: BEAG HX-302 Low/Mid Driver + SICA High-Efficiency Tweeter
- 3-Way Loudspeaker (Dedicated Low, Mid, High)
- Multi-Way Loudspeaker (4-Way and beyond)

Amplifier type

- Passive Loudspeaker System
- Active Loudspeaker System with Class-A Amplification
- Active Loudspeaker System with Class-AB Amplification
- Active Loudspeaker System with Class-D Amplification

Bi-wiring / Bi-amping

- Bi-wiring
- Tri-wiring
- Bi-amped Active System: Class-D for Mid-High and Low

- Tri-amped Active System: Class-D discrete for HF, MF, LF
- Multi-amped Active System: Class-D for 4+ discrete bands

Component upgrades

- Pure Silver Internal Wiring
- Mundorf Silver Capacitors Premium Crossover Upgrade
- Custom Speaker Podiums / Stands
- AMRG Resistors & Cardas Solder / Wiring Kit
- Solid-core Copper Speaker Terminals
- Premium Capacitors
- Analogue Filter with Precision HF / MF / LF Tuning
- Heavy-duty protective shipping crates: solid wood construction, Penoplex insulation, acoustic foam and industrial casters.

Finish & chassis

- Individual Custom Design
- Walnut Veneer with Maple Inlays
- Custom Exotic Solid Wood Cabinet
- Priority build (+50% of the price)

Photographs













Questions & answers

Does the Cassandra MkII use tubes?

Cassandra has no tubes. As little as 3 W of amplification is enough, so it pairs naturally with single-ended tube amplifiers.

How is the Cassandra MkII serviced?

Loudspeakers need no routine service. Drivers, crossovers and terminals are repaired by the atelier for as long as parts exist.

How is it delivered?

Shipping and insurance are paid by the buyer and shown as a separate line in your quotation. Every unit is packed for long-distance transport in heavy-duty flight cases and a wooden crate.

Which mains voltage and plug?

The Cassandra MkII is passive and does not connect to the mains. Only the amplifier you pair it with needs the right voltage.

How long does the Cassandra MkII take to build?

Build time is six months or more from the queue deposit, depending on the configuration and the queue; delivery takes from one month after completion. The atelier builds seven instruments a year. A priority build is available for an extra 50% of the price: your unit is moved ahead in the build queue.

Ordering

- Built individually, to order. A 50% deposit places the unit in the build queue.
- Build time is six months or more, depending on the configuration and the queue.
- One-year warranty; after it, paid repair. Every unit ships with its own measurement report.
- Configuration, prices in your currency and the seller for your country: demografaudio.com
- E-mail: shop@demografaudio.com.