

DEMOGRAF AUDIO

Endymion

Pure Class A single-ended amplifier on 845, 211 or 805 triodes, 15–25 W

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

Sound

Endymion is not tied to a genre: it suits any music, from chamber recordings to large orchestral and rock productions, thanks to its power reserve and low-impedance drive.

Endymion is a pure Class A integrated amplifier built around one of three high-power transmitting triodes — 845 (20 W), 211 (15 W) or 805 (25 W) per channel into 8 Ω, single-ended. A push-pull version doubles the output power for difficult loads.

The presentation is linear and transparent rather than vintage-coloured: a wide, deep stage, speed, high resolution and a bass with real authority. It drives sensitive loudspeakers and demanding planar magnetic headphones from the same chassis, and a ground-lift switch on the panel deals with ground loops in larger systems.

Materials & build

The amplifier is built on two chassis. The external power supply carries four 6D22S kenotrons, galvanic isolation, choke filters and custom-wound power transformers, so the audio circuit stays quiet even on a contaminated mains grid.

- Output: 2 × 845 triodes (211 or 805 to order), selected and matched
- Input: 2 × AL4 (EF55 to order)
- Rectification: 4 × 6D22S kenotrons (2 × 5C3S to order)
- Volume: ALPS potentiometer (stepped attenuator to order)
- Internal wiring: Proprietary “RareCoreFusion” Alloy

COMPONENT	MANUFACTURER	COUNTRY OF ORIGIN
Output tubes 845 (211 / 805 to order)	Selected, matched pairs	US / EU / UK (NOS) / Other Vintage
Input tubes AL4 (EF55 to order)	Vintage, selected	US / EU / UK (NOS) / Other Vintage
Rectifier tubes 6D22S	NOS, selected	US / EU / UK (NOS) / Other Vintage
Power and output transformers, chokes	Demograf Audio (custom-wound)	or analog by Hashimoto / Tango / Tamura
Volume potentiometer	ALPS	Japan
Internal wiring: Proprietary “RareCoreFusion” Alloy	Demograf Audio	Own manufacture

Signal path

Input **RCA** → Volume **ALPS** → Input stage **AL4** → Output tube **845**
→ Output transformer **Custom-wound** → Output **Speakers · phones** → Power supply **4 × 6D22S**

Specifications

Use	Universal: loudspeakers and headphones
Amplifier class	Pure Class A
Output power — 845	20 W per channel at 8 Ω, single-ended (push-pull option: ×2)
Output power — 211	15 W per channel at 8 Ω, single-ended (push-pull option: ×2)
Output power — 805	25 W per channel at 8 Ω, single-ended (push-pull option: ×2)
Load impedance	8 Ω (4 Ω / 16 Ω winding available on request)
Channels	2 (stereo)
Output tubes	2 × 845 (211 / 805 optionally)
Input tubes	2 × AL4 (EF55 optionally)
Rectifier tubes	4 × 6D22S (2 × 5C3S optionally)
Volume control	ALPS potentiometer (optionally: Demograf Audio stepped attenuator)
Input connections	Analogue RCA (optional: balanced XLR)
Headphone outputs	6.3 mm TRS, XLR 4-pin (optionally: 2.5 mm, 3.5 mm, 4.4 mm Pentaconn, dual XLR 3-pin, electrostatic)
Speaker outputs	Binding posts (optionally: Demograf Audio terminals)
Special features	Ground-lift switch
Power supply	External chassis: 4 × 6D22S kenotrons, galvanic isolation, choke filters, custom-wound transformers
Internal wiring	Proprietary “RareCoreFusion” Alloy wire (other options available)
Mains	100 / 120 / 230 V — set at order time, plug to match (NEMA, Schuko, BS 1363 / type G)

Weight (with power supply)	From 45 kg / 99 lb
Dimensions	From 450 × 450 × 250 mm
Origin	Made in Kazakhstan by Dmitriy Gubchenko

Options

Stage

- Single-ended — classic, detailed sound
- Push-pull — twice the output power, a larger and weightier midrange and bass · +50%

Input tubes

- AL4 — more weight in the bass and midrange
- EF55 — a more authentic, analogue sound

Rectifier tubes (kenotrons)

- 4 × 6D22S — a darker sound
- 2 × 5C3S — a brighter sound
- Other type (on request)

Output tubes

- 845 — 20 W per channel at 8 Ω, pure Class A SE
- 211 — 15 W per channel at 8 Ω, pure Class A SE
- 805 — 25 W per channel at 8 Ω, pure Class A SE
- Other similar tubes (on request)

Component upgrades

- Premium Capacitors Suite (Duelund, Mundorf, Miflex etc.)
- Tango, Tamura or Hashimoto transformers and chokes, fitted on request
- Silver AMRG Resistors & Premium Cardas Wiring Kit
- High-End Connectors Suite (e.g. Furutech Top-Tier plugs)
- Solid-core Copper Speaker Connectors
- Premium Solid-core Copper Connectors with Galvanic Gold/Silver Plating
- Vintage Tubes
- Integrated Tone Control Block Module / Filter
- Transformer taps for 4 or 16 Ω (additional winding)

- Bi-wiring integration supplement
- Tri-wiring integration supplement
- One additional Analogue RCA Input
- One additional Analogue XLR Balanced Input
- Demograf Audio High-End Swiss-Stepped Pre-Amp (similar to Stevens & Billington TX-103)
- Variable GAIN Control Module
- 4.4 mm Pentaconn Output Termination
- Dedicated STAX Electrostatic Output Interface
- Fully Balanced XLR Amplifier Architecture
- Additional Reserve Matched Pair of low-noise Tubes

Mains inlet, outlets & contacts

- AC Input: Standard Spec — IEC C14 Chassis Input
- AC Input: Heavy-Duty Spec — IEC C20 High-Current Inlet
- AC Output: European Standard — Schuko (Type F)
- AC Output: US / Japan Standard — NEMA 5-15R (Type B)
- AC Output: British Standard — BS 1363 (Type G)
- AC Output: Universal Interface — Direct IEC C13 Outlets
- Contacts: Pure Copper Unplated (Organic & Balanced Tone)
- Contacts: Gold Plated e.g. Furutech FI-09(G) (Warmth & Rich Midrange Texture)
- Contacts: Rhodium Plated e.g. Furutech FI-09(R) (Fast Transients & Fine Detail)

Finish & chassis

- Standard configuration
- Priority build (+50% of the price)
- Precision-Milled Metal Chassis (CNC milling)
- Contoured Bent-Metal Enclosure
- Exotic Hardwood Chassis
- Glass-Integrated Aesthetic
- Premium Wood Inlays & Accents
- Solid-Billet Metal Enclosure
- Advanced Galvanic Finishing
- Custom Dimensions & Form Factor
- Parameter Status Display
- Multifunction Remote Control Suite
- Protective tube cage (child & pet safety)

Regional version

- 230 V — Schuko plug (Europe)
- 120 V — NEMA plug (North America)
- 100 V — NEMA plug (Japan)
- 230 V — BS 1363 / type G plug (UK · Middle East)

Photographs






Questions & answers

Which tubes does the Endymion use?

As standard, the output stage uses a pair of 845 triodes (20 W per channel); 211 (15 W) and 805 (25 W) are available to order. The input tubes are AL4, with EF55 as an alternative, and the external power supply rectifies with four 6D22S kenotrons or, for a brighter character, two 5C3S. Every pair is measured and matched; a reserve matched pair can be ordered with the amplifier.

Can it drive headphones as well as loudspeakers?

Yes. Besides the loudspeaker terminals, the front panel carries a 6.3 mm TRS and a 4-pin XLR headphone output, so the Endymion drives demanding planar magnetic headphones as well as sensitive loudspeakers. A dedicated STAX electrostatic output and a 4.4 mm Pentaconn termination are available as options.

How is the Endymion serviced?

Each unit ships with its own measurement report. The circuit is kept simple and serviceable, and Demograf Audio gear is serviced for as long as parts exist.

Which mains voltage and plug?

Each piece of gear is built for 100 V, 120 V or 230 V mains with the matching plug (NEMA, Schuko or BS 1363 / type G). The voltage is fixed at order time, so tell us where the unit will be used.

How long does the Endymion 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.