

DEMOGRAF AUDIO

Atlas

Class A single-ended integrated amplifier on 300B triodes, 5 W

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

Sound

Jazz · classical · classic rock · vocal

Atlas is a single-ended Class A integrated on 300B triodes, 5 W per channel. The 300B gives music colour and warmth with a sweet, organic midrange, which suits jazz, orchestras and classic rock. It drives low-impedance dynamic headphones and high-sensitivity loudspeakers from the same chassis. For larger loudspeakers it can be built push-pull, doubling the power.

Compared with: Push-pull 300B version

Materials & build

The amplifier and its external power supply are separate chassis; the supply holds the kenotron rectifier, galvanic isolation, custom power transformers, capacitors and chokes.

- Output: 2 × 300B
- Input: 2 × 6Zh4 (EL8, AL4, EF14 or ML6 to taste)
- Rectifier: 2 × 6D22S (darker) or 1 × 5C3S (brighter)
- Ground lift switch

COMPONENT	MANUFACTURER	COUNTRY OF ORIGIN
Output tubes 300B	Selected and matched	US / EU / UK (NOS) / Other Vintage
Input tubes 6Zh4	NOS, selected	US / EU / UK (NOS) / Other Vintage
Rectifier tubes 6D22S	NOS, selected	US / EU / UK (NOS) / Other Vintage
Transformers and chokes	Demograf Audio (custom-wound)	or analog by Hashimoto / Tango / Tamura
Volume control	ALPS	Japan
Internal wiring: Proprietary “RareCoreFusion” Alloy	Demograf Audio	Own manufacture

Signal path

Input **RCA** → Volume **ALPS** → Input stage **6Zh4** → Output tube **300B** → Output transformer **Custom-wound** → Output **Speakers · phones**

Specifications

Use	Universal: loudspeakers and headphones
Output power	5 W per channel at 8 Ω (Push-Pull version with double power available on request)
Amplifier class	Pure Class A
Channels	2 (Stereo)
Inputs	Analogue RCA (Optional: Balanced XLR)
Headphone outputs	1 × 6.3 mm TRS, 1 × XLR 4-pin (Optional: 2.5 mm, 3.5 mm, 4.4 mm Pentaconn, dual XLR 3-pin, or Electrostatic/EST connector)
Speaker outputs	Standard binding posts (Demograf Audio terminals optional)
Load impedance	8 Ω (Optional: 4 Ω / 16 Ω customisation)
Output tubes	2 × 300B
Input tubes	2 × 6Zh4 or other types optionally e.g. EL8 / ML6 etc.
Rectifier tube	2 × 6D22S for a warmer/darker tone or 1 × 5C3S for a brighter signature (option)
Volume control	ALPS potentiometer (Demograf Audio stepped attenuator optional)
Internal wiring	Proprietary “RareCoreFusion” Alloy wire (other options available)
Special features	Ground Lift switch (selectable ground loop isolation)
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

Circuit

- Single-Ended (classic detailed sound)
- Push-Pull (double the output power, a fuller midrange and bass) · +50%

Input tubes

- 6Zh4 tubes
- EL8 Valvo — for more detailed sound
- AL4 — for heavier bass and midrange
- EF14 — for a more natural midrange, e.g. opera and symphonic music
- ML6 — for more neutral sound

Rectifier tube

- 6D22S — for darker sound
- 5C3S — for brighter sound
- Other Type (on request)

Output tubes

- 300B
- 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 Atlas use?

Stock tubes are 300B output triodes, 6Zh4 input tubes and two 6D22S rectifiers. The input tube can be changed at order time — EL8 for detail, AL4 for weight, EF14 for opera and symphonic music, ML6 for neutrality.

How is the Atlas 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.

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?

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 Atlas 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.