

DEMOGRAF AUDIO

Charon

External master clock — solid-state or tube buffer, galvanically isolated, BNC outputs

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

Sound

Any digital source — the gain is in space and focus

Charon is an external master clock that takes over clocking from your transport and DAC, with lower jitter. With cleaner timing the image becomes wider and deeper, and the treble gains air and ease. The clock frequency is set for your specific transport, so every Charon is an individual build. The circuit is solid-state as standard; a tube stage on 6Zh4, EF14, EL8 or ML6 is available.

Materials & build

A multi-transformer linear supply with galvanic isolation keeps mains noise away from the oscillator.

- Output: heavy-duty BNC
- Clock frequency to match the target transport
- Custom-wound transformers, bespoke capacitors
- Additional digital inputs/outputs optional

COMPONENT	MANUFACTURER	COUNTRY OF ORIGIN
Oscillator board	Demograf Audio	Own manufacture
Linear supply transformers	Demograf Audio (custom-wound)	or analog by Hashimoto / Tango / Tamura
Buffer tubes (option) 6Zh4 / EF14 / EL8 / ML6	NOS, selected	US / EU / UK (NOS) / Other Vintage
Contacts (option) FI-09	Furutech	Japan

Signal path

Power **Linear, isolated** → Oscillator **Low jitter** → Buffer **Solid-state / tube** → Isolation **Galvanic** → Output **BNC**

Specifications

Device type	Reference External Master Clock Generator
Output termination	Premium Heavy-Duty BNC Connectors
Clock frequency	Customised configuration (depends entirely on target audio transport requirements)
Internal wiring	Proprietary “RareCoreFusion” Alloy wire (other options available)
Circuit components	Proprietary boards · Bespoke high-grade capacitors · Hand-matched vacuum tubes / transistors · Galvanic isolation modules
Power architecture	Isolated multi-transformer linear power supply stage
Mains	100 / 120 / 230 V — set at order time, plug to match (NEMA, Schuko, BS 1363 / type G)
Weight	From 2 kg (varies depending on component and power supply configuration)
Dimensions (W × D × H)	300 × 200 × 150 mm
Origin	Made in Kazakhstan by Dmitriy Gubchenko

Options

Tube stage

- Solid-State
- 6Zh4 Tubes
- EF14 Vacuum Tube
- EL8 Valvo Vacuum Tube
- ML6 Vacuum Tube
- Tube-Switching Module Upgrade

Component upgrades

- Premium Capacitors
- Custom Transformers & Chokes
- AMRG Resistors & Cardas Wiring Kit
- Top Connectors Suite
- Vintage Tubes

- One Additional Digital Input
- One Additional Digital Output

Mains inlet, outlets & contacts

- Standard Spec: IEC C14 Chassis Input
- Heavy-Duty Spec: IEC C20 High-Current Inlet
- European Standard: Schuko (Type F)
- US / Japan Standard: NEMA 5-15R (Type B)
- British Standard: BS 1363 (Type G)
- Universal Interface: Direct IEC C13 Outlets
- Pure Copper Unplated (e.g. MSound MS-06(Cu)) — Organic & Balanced Tone
- Gold Plated Contacts (e.g. Furutech FI-09(G)) — Warmth & Rich Midrange Texture
- Rhodium Plated Contacts (e.g. Furutech FI-09(R)) — Fast Transients & Fine Detail

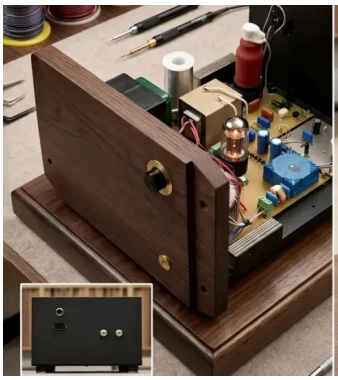
Finish & chassis

- Standard configuration
- Priority build
- 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

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

Does the Charon use tubes?

Charon is solid-state by default. Tube versions use 6Zh4, EF14, EL8 or ML6; a tube-switching module lets you compare both.

How is the Charon 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 Charon 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.