



STERN

The Nuclear Option





AUDIONET

Scientific magic.

Outputs:

In- and Outputs

4 pair Cinch line, Rhodium (Furutech) Inputs:

2 pair XLR balanced, gold plated (Neutrik)

I D Sub 9 serial port (control only)

I SMA for WLAN (control only)

2 pair Cinch line, Rhodium (Furutech) I pair Cinch inverted, Rhodium (Furutech)

2 pair XLR balanced, gold plated (Neutrik)

2 Audionet Link, optical

I connector, gold plated,

for additional earth connection

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f Audionet

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Design by Hartmut Esslinger.

PLANCK



Power Amplifiers HEISENBERG

MAX

Preamplifiers Integrated Amplifiers STERN HUMBOLDT

WATT SAM G2













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The Machine

Designed by German design legend Hartmut Esslinger of Cupertino fame, our new über-performance preamp STERN combines Audionet's unique electronics, stratosphere version, with a design quality that has not been seen in the realms of highenddom before.

The patented Floating Pane Design encorporates the ultimate audiophile qualities.

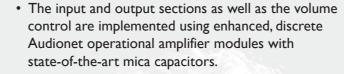
The Science

- Magnetically and capactively optimized circuit and device design without any ferro-magnetic materials.
- Floating Pane Design for optimal resistance against microphonic effects and temperature stability.
- The floating panels of the body are resonance-optimized by pads on an aluminum frame.



One amp to rule them all – STERN rises high above anything, anywhere – even our serial show winner PRE G2 (2015 "best sound" at RMAF, AXPONA, T.H.E.SHOW and HIGHEND).

- Mounting and bolted assembly of transformers made of stainless steel.
- Double mono layout of circuitry and power supply for maximum channel separation.
- Air Flow Design circuit boards for an optimum of cooling and stable quiescent currents.
- Galvanic separation of all analog circuits by opto couplers.



- · Rhodium Cinch jacks by Furutech.
- Volume controller on a double ball-bearing axis and with magnetic ratchet and optical sensing.
- Volume controlled by electronic switches and real-time linearized precision resistor network.
- DC coupled with no sound diminishing capacitors or coils, shortest signal paths.
- One separate transformer per channel for the positive and negative half wave, leading to the perfect power supply.
- Four encapsulated and decoupled 50 VA toroid transformers.
- Main power supply capacitors 22,000 μF, optimized for very low impedance and made with silk dielectric.
- Total capacitance of 176,000 μF.
- Microprocessor control with separate power supply monitor and control of all functions, informing the user on a high resolution display.
- By-Pass mode for integration into home cinema systems.
- Audionet Link outputs for the remote control of further Audionet devices.
- User definable names for each input, input levels adjustable for each input.
- User selectable function to remove DC levels from signal sources.
- Rhodium fuse.

Technical Data

Frequency response: 0 - 2,200,000 Hz (-3 dB),

DC coupled

0.3 – 2,200,000 Hz (-3 dB),

AC coupled

THD + N: <-104 dB @ 20 kHz <-116 dB @ 1 kHz

SNR: $> 123 \text{ dB}, 4V_{RMS}$ input

Channel separation: > 144 dB, 20 - 20,000 Hz Output impedance: $24 \Omega \text{ real (Cinch line)}$

48 Ω real (XLR)

Output current: max. 60 mA

Mains: 220..240 V / 50..60 Hz or

110..120 V / 50..60 Hz

Power consumption: < 0.5 W stand by, typ. 100 W

width 270 mm

height 500 mm depth 505 mm

Dimensions horizontal: width 450 mm height 320 mm

depth 505 mm

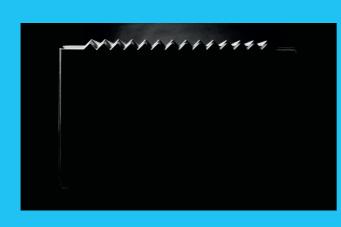
Weight: 38 kg

Dimensions vertical:

Function

 $\label{thm:microprocessor} \mbox{Microprocessor controlled Ultimate Linear Preamplifier.}$





Finish

Colours: Silver or black

Display: Light or dark color TFT

Orientation: Vertical or horizontal









