



AUDIONET

Scientific magic.

In- and Outputs

- Inputs:
- 4 pair Cinch line, Rhodium (Furutech)
 - 2 pair XLR balanced, gold plated (Neutrik)
 - 1 D Sub 9 serial port (control only)
 - 1 SMA for WLAN (control only)
- Outputs:
- 2 pair Cinch line, Rhodium (Furutech)
 - 1 pair Cinch inverted, Rhodium (Furutech)
 - 2 pair XLR balanced, gold plated (Neutrik)
 - 2 Audionet Link, optical
 - 1 connector, gold plated, for additional earth connection

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Design by Hartmut Esslinger.



Sources PLANCK ART G3	Integrated Amplifiers HUMBOLDT WATT SAM G2	Preamplifiers STERN PRE G2 PRE I G3 PAM G2	Power Amplifiers HEISENBERG MAX AMP AMP IV2	Network Components DNP DNA I DNC	Power Supplies AMPERE EPX EPS G2
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Errors and omissions excepted. Specifications and design are subject to changes without prior notice.



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STERN

The Nuclear Option



This is a scientific paper.
For holographic images and optimal resolution please do visit your audionet expert dealer.
Thanks very much. We're glad you are with us.

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.

- The input and output sections as well as the volume control are implemented using enhanced, discrete Audionet operational amplifier modules with state-of-the-art mica capacitors.
- 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.

Function

Microprocessor controlled Ultimate Linear Preamplifier.



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 dB, 4V _{RMS} input
Channel separation:	> 144 dB, 20 – 20,000 Hz
Output impedance:	24 Ω 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
Dimensions vertical:	width 270 mm height 500 mm depth 505 mm
Dimensions horizontal:	width 450 mm height 320 mm depth 505 mm
Weight:	38 kg

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.



Finish

Colours:
Silver or black

Display:
Light or dark color TFT

Orientation:
Vertical or horizontal

