



A1.5

Two-channel Power Amplifier



Where Swiss Precision Meets Exquisite Refinement



GRAND PRIX 2018
STEREO SOUND

**"MIRACLES DO EXIST! EVEN AT 3 MINUTES
INTO THE LISTENING SESSION, I ALREADY KNEW
THAT THERE WAS NO WAY BACK!"**

**"THE UPGRADE FROM A1 TO A1.5 HAS TURNED
AN AMP THAT I ALREADY LOVED INTO
AN ABSOLUTE CHAMPION."**

CHRISTIAAN PUNTER, HIFI-ADVICE

www.ch-precision.com

A1.5

Two-channel Power Amplifier

Meet the A1 successor. Featuring a huge new power supply design, the A1.5 power amplifier effortlessly delivers up to 150W / 8 Ohms per channel in Stereo mode or 1200W / 2 ohms in Bridge mode. The A1's flexibility of use and future-proof modularity have been kept untouched allowing the amplifier to be reconfigured from Stereo to Bi-amplification, Monaural or to Bridge at the push of a button. CH Precision's unique ExactBias circuitry as well as the critically acclaimed loudspeaker matching topology forge the heart of the A1.5.

Further refined, taller, more powerful, the A1.5 is in every way an A1... and a half!

What's more, every A1 ever produced can be upgraded to an A1.5 amplifier.

OPTIONAL ACCESSORIES



Monaural Analog Input Board

XLR, RCA and BNC inputs.
Balanced pass-through for amplifier daisy-chaining.
Option board needed for Stereo and Active bi-amplification modes.

Modularity

Available operation modes:

- Monaural mode
- Passive bi-amplification mode
- Bridge mode
- Active bi-amplification mode
- Stereo mode

Operation modes can be set on the fly from the unit user interface or from the CH Control app.

Analog Input Stage

- Pure class A, fully symmetrical design
- Fully discrete, ultra low noise, high slew rate design
- No series capacitor in the audio signal path

Analog Output Stage

- Amplifier output stage and room temperature-independent bias, ExactBias circuitry
- Output stage power temperature monitoring
- Pure class A ultra low noise driver and class AB pure follower power stage
- No output relay
- Customized Argento loudspeaker binding posts

Power Supply

- 1700VA power transformer mounted on silent-blocks for minimal vibration transmission
- Magnetically and electrostatically shielded transformers
- Hyper fast soft recovery diode bridge rectifiers
- Total of 170'000uF ultra low ESR reservoir and filtering capacitors

Global Versus Local Feedback Ratio

- Ratio ranging from 0% - local feedback only - to 100% - global feedback only - in 6 steps
- Feedback ratio can be set on the fly from the user interface or from the CH Control app according to taste and program material
- Adjust feedback ratio according to a given loudspeaker or even each specific driver in bi-amplification modes

Gain Trimming


- Trim input gain to accommodate loudspeaker sensitivity and room size
- 24dB range in 0.5dB steps

Protections

- Non-invasive output stage voltage, current and temperature monitoring
- Protection procedures in case of output short circuit or excessive temperature
- Instantaneous output power and amplifier temperature can be displayed on the front panel



UNIT SPECIFICATIONS

| Analog Inputs | |
|---|--|
| Input impedance | Balanced (XLR): 94k Ω - Single-ended (RCA and BNC): 47k Ω or 300 Ω |
| Analog Audio Outputs | |
| Frequency response | DC to 450kHz (-3dB) at 1W into an 8 Ω resistive load |
| Total Harmonic Distortion + Noise | Less than 0.01% (1kHz signal, BW 20Hz-20kHz, 10WRMS into 8 Ω , all operating modes), 100% global feedback |
| Signal to Noise Ratio | Better than 115dB in monaural, stereo and bi-amplification modes, better than 118dB in bridge mode |
| General | |
| Display | 480 x 272 pixels 24bits RGB AMOLED |
| Power supply | Selectable 100V, 115V or 230V AC, 47Hz to 63Hz, < 1W in Standby |
| Overall dimensions and weight | 440mm x 440mm x 198mm, 47kg |
|  Control / Software update | USB port for software update / Ethernet based system control |

Specifications subject to change without notice. Illustrations are informative only.