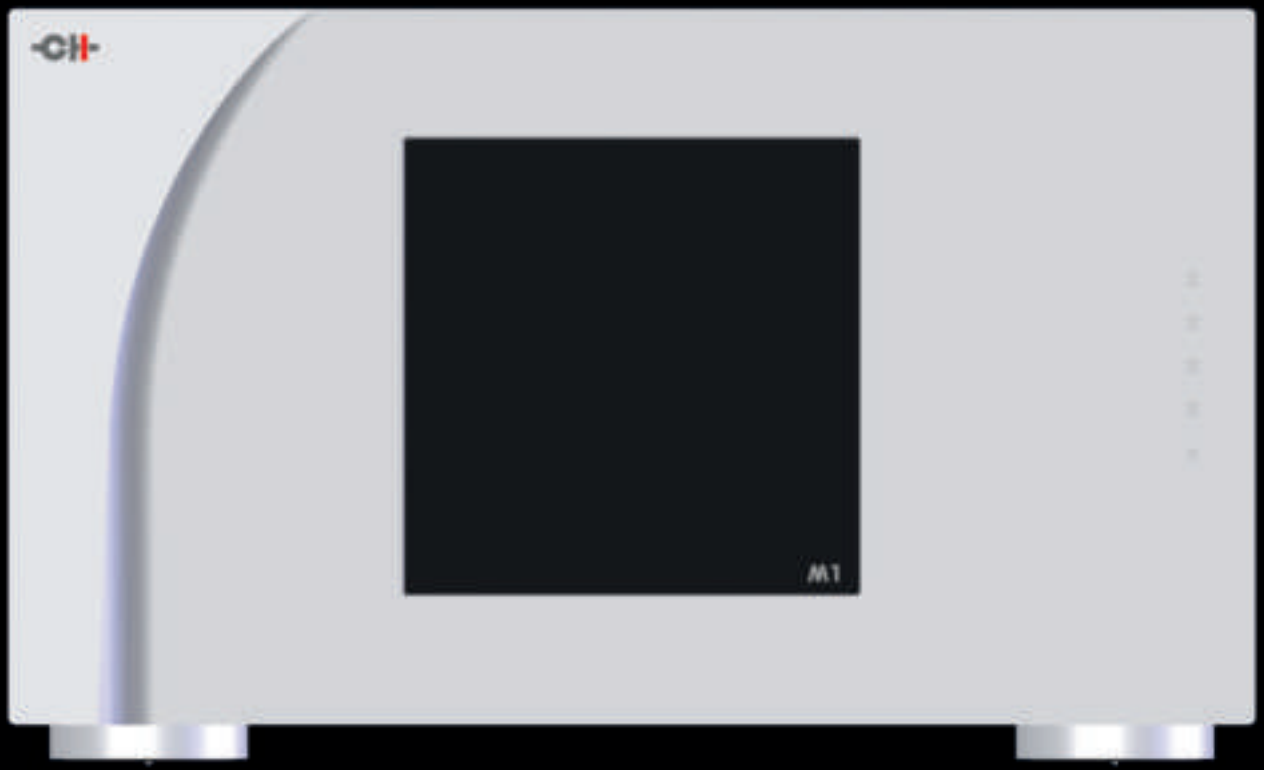
PRELIMINARY RELEASE



M1

Monaural Power Amplifier

Being able to truthfully and accurately reproduce today's highest quality recordings has never been more challenging. Only when each element of the reproduction chain is able to precisely recreate the music's time and level information can a genuine emotion be felt. The M1, CH Precision's first mono block and most powerful amplifier of the 1 Series was developed with this in mind. The leading-edge technological advancements implemented on the A1 were further refined, among others is the ExactBias circuitry and a finer loudspeaker matching. Specified at 200W RMS into 8Ω in monaural mode, 2x 200W RMS into 8Ω in bi-amplification mode and 700W RMS into 8Ω in bridge mode, the M1 houses a dedicated 2200VA power transformer providing the amplifier output stage with ample energy to accurately and effortlessly drive the most demanding loudspeakers.

Modularity
- Monaural mode
- Bi-amplification mode
- Bridge mode

Power Supply
- Dedicated 2200VA power transformer mounted on silent-blocks for minimal vibration transmission
- Magnetically and electrostatically shielded transformers
- Hyper fast soft recovery diode bridge rectifier
- 4-pole 100'000uF reservoir and filtering capacitors
- Dedicated 20A mains socket for audio power section

Full Analog Signal Path
- Pure class A, fully symmetrical design
- Fully discrete, ultra low noise, high slew rate design
- No capacitor in the audio signal path
- No output relay
- Argento loudspeaker binding posts and internal wiring

Gain Trimming
- Trim gain to accommodate loudspeaker sensitivity
- 24dB range in 0.5dB steps

Global Versus Local Feedback Ratio
- Ranging from 0% - local feedback only - to 100% - global feedback only - in 10% steps
- Feedback can be set on the fly from the user interface
- Independent feedback ratio in bi-amplification mode

Output Stage ExactBias
- Amplifier output stage and listening room temperature-independent bias
- Patent-pending ExactBias regulation circuitry

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

UNIT SPECIFICATIONS

Analog Inputs	
Input impedance	Balanced (XLR): 94kΩ - Single-ended (RCA and BNC): 47kΩ or 300Ω
Analog Audio Outputs	
Frequency response	TBC
Total Harmonic Distortion + Noise	TBC
Signal to Noise Ratio	TBC
General	
Display	480 x 272 pixels 24 bits RGB AMOLED
Power supply	Selectable 100V, 115V or 230V AC, 47Hz to 63Hz, < 1W in Standby
Overall dimensions and weight	440mm x 440mm x 266mm, 75kg
Software update / Control	USB port for software update / Ethernet based system control

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

CH Precision Sàrl | Z.I. Le Trési 6D | 1028 Préverenges | Switzerland | info@ch-precision.com | T + 41 (0)21 701 9040