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GA SERIES – HIGH-END SQ ADVANCED CLASS-D AMPLIFIERS

The new high-end sound quality GA series expands ETON's premium amplifier range with the 2-channel **GA 2** power amplifier and the 4-channel **GA 4** model.

The GA series, deliberately designed in the style of the MA amps, has it all: significantly high total output power of up to 1280 watts RMS, extremely low distortion values of less than 0.003% (ultra-low THD+N) for maximum sound quality, optimized control thanks to a high damping factor, and superior filter flexibility.

The high-quality 24 K gold-plated RCA jacks already hint at the inner values: multilayer circuit boards, high-quality components, and first-class workmanship form the basis for the highly efficient single-controller MOSFET Class-D circuit per channel. This ensures a full, mature, powerful sound with sensational dynamics and impulse control – for top-quality sound and top peak levels, low distortion, and impressive tonality, brilliance, and transparency.

The innovative power supply architecture ensures maximum operational reliability and efficiently supplies the amplifier unit with power – even under adverse conditions such as voltage fluctuations or voltage spikes, etc. The GA models are therefore also the ideal choice for vehicles with a start-stop function.

The compact GA amplifier line offers top-notch electronics in an elegant, one-piece housing with a matte, anodized gunmetal finish. The die-cast aluminum heat sinks ensure effective temperature management. The top plate with the ETON logo is removable and can be rotated 180° – a clever design solution – to ensure flexible installation and optimal visual integration.

Numerous active filters and adjustment options are hidden under the top plate: high-pass and low-pass filters, subsonic filter, adjustable

input sensitivity and high-level input signal voltage (input voltage), as well as adjustable high-level input resistance (input load).

The GA series' high-pass and low-pass active filters offer unparalleled flexibility for a passive filter system: The wide filter bandwidth of 15 – 6000 Hz (HPF) or 30 – 6000 Hz (LPF) across all channels allows bandpass filters to be set up across the entire frequency spectrum (e.g., for actively separated midrange drivers).

The subsonic filter is universally integrated on all channels and offers a slope of up to 24 dB/oct. at 25 Hz (with additional high-pass filter insert). This provides protection against unnecessary cone deflections below the usable frequency range. The GA amplifiers thus enable controlled low-frequency reproduction on all channels – also ideal for subwoofers in bridge mode.

The GA series impresses with numerous design refinements, such as the adjustment tool integrated into the heat sink, which allows for easy fine-tuning of various functions. There is also an LED light bar that displays the status and can be helpful in poor lighting conditions. Removable connectors for power and audio signals as well as variable and modular mounting feet round off the features. Alternatively, the hidden mounting openings can be used for installation.

The GA power amplifiers are stackable – thanks to the same form factor, they can also be combined with the ETON MA 1 and MA 6. In addition, the GAs are a perfect visual match for the smaller MA and PA amps.

The high-end GA series combines the latest state-of-the-art Class-D technology with top features, SQ sound, and high output power – compactly designed for optimal installation: HIGH GRADE CAR AUDIO, engineered in Germany.



KEY FEATURES GA SERIES

- Newly developed Advanced Class-D amplifier technology
- Newly designed, extremely high-quality die-cast aluminum housing in gunmetal grey matt finish with removable milled aluminum top plate (rotatable by 180°)
- Compact housings measuring 270 x 160 x 51 mm
- Adjustable 12 dB/oct. high-pass and 12 dB/oct. low-pass filters, Subsonic filter at 25 Hz with 12 dB/oct., switchable with additional high-pass filter to 24 dB/oct.
- Auto-Sense On function (SIG and DC)
- Start-stop capable
- Adjustable gain 0.45 V – 6 V
- Adjustable high-level input resistance (input load) per channel pair: 10 / 150 / 600 Ω
- Adjustable high-level input signal voltage per channel pair: 1 – 15 V / 15 – 40 V
- GA 4: Switchable audio input signal for all channels (input selector)
- High-level inputs, low-level inputs and outputs
- Removable connection plugs for power and audio signal cables
- 24 K gold-plated RCA jacks (low-level in & out)
- High-level inputs, low-level inputs and outputs
- Removable connection plugs for power and audio signal
- Stack function for multiple amplifiers of the same design and size (GA 2, GA 4, as well as ETON MA 1 and MA 6)
- Newly designed status LED light-bar
- Integrated adjustment tool, level remote control contained in the scope of delivery
- Engineered in Germany



Variable mounting feet for flexible installation



Stack function for multiple ETON amps of the same design; the LED light bar indicates the status



Removable top plate, can be rotated and mounted by 180°



Top control with smart detail solution: The adjustment tool integrated into the heat sink allows convenient adjustment of various functions.



Detachable power and audio signal connections



GA 2



GA 4

	GA 2	GA 4
Number of channels	2	4
Power rated @ 4 Ω (14.4 V / 1 % THD)	2 x 265 W RMS	4 x 220 W RMS
Power rated @ 2 Ω (14.4 V / 1 % THD)	2 x 430 W RMS	4 x 310 W RMS
Power rated @ 4 Ω bridged (14.4 V / 1 % THD)	1 x 865 W RMS	2 x 640 W RMS
Signal-to-noise-ratio	100 dB	102 dB
Damping factor @ 4 Ω	> 135	> 100
THD+N	0.003 % @5W 1 kHz	0.003 % @5W 1 kHz
Crosstalk	-75 dB	-76 dB
High-pass active filter	15 – 6000 Hz / 12 dB	15 – 6000 Hz / 12 dB
Low-pass active filter	30 – 6000 Hz / 12 dB	30 – 6000 Hz / 12 dB
Subsonic filter	25 Hz / 12 dB, switchable to 24 dB with HPF	25 Hz / 12 dB, switchable to 24 dB with HPF
High-level input	2	4
Low-level input / output	2 / 2	4 / 2
Dimensions (L x W x H)	270 x 160 x 51 mm	270 x 160 x 51 mm