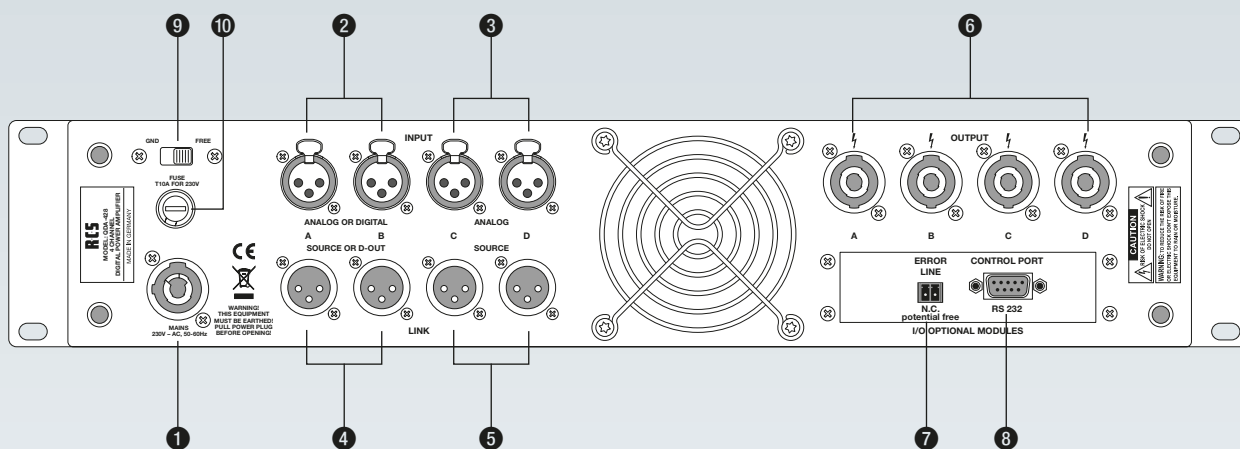


Rear view



- 1 mains input 230V AC (Powercon connection)
- 2 audio audio inputs 1-2 (XLR-3M)
- 3 audio audio inputs 3-4 (XLR-3M)
- 4 AF audio outputs 1-2 (Link output, XLR-3F)
- 5 AF audio outputs 3-4 (Link output, XLR-3F)

- 6 outputs for loudspeakers (4-8 ohms)
- 7 Error output (optional, potential-free contact)
- 8 RS-232 interface (option module)
- 9 ground lift switches
- 10 Mains fuse T10 A

FEATURES



- + 4 rotary encoders with print function
- + SD card slot
- + optimized presets for QRI series
- + Navigation pad
- + LCD graphic display

Technical data		QDA-428 A
Output power (1 kHz, 1 % THD)	8 ohms	4x 400 W
	4 ohms	4x 700 W
Input sensitivity		0 dB (775 mV), adjustable
Output impedance		4-8 ohms
Frequency range		20 - 20.000 Hz (better -3 dB)
Signal to Noise Ratio		better than 100 dB
Harmonic distortion (THD)		better than 0,5%
Processor		DSP, 24 bit/ 48 MHz
Power consumption		2.500 W
Power supply (230 V)		at 1/8-load 1,49 A
		at 1/1-load 10,8 A
Power supply AC		90 - 250 V / 50 - 60 Hz, PowerCon In
Dimensions (WxHxD)		483 x 88 x 375 mm; 2 RU
Weight		8,5 kg

4 CHANNEL AMPLIFIER WITH DSP (DIGITAL)

RCS

QDA-428 A
2.800 W
4x 700 W



Description

The QDA-428A is a fully digital Class D high power amplifier with 4 separate and independent channels. It includes full audio DSP features such as matrix routers, 6 full parametric equalizers, 2 crossovers, delays and dynamics processor per channel.

All parameters of these modules as well as further inputs are set directly on the device via the 5-button navigation pad and 4 encoders with key function.

A graphics-compatible LCD display and 4 RGB LEDs form the output interface and also provide information about the current operating parameters of the device such as input and output levels as well as the status of the individual channels.

Factory and user-presets can be stored in the device. The QDA-428A has an SD card slot. A module slot for future extensions, such as connection to audio and control network has been integrated (RS-232 interface and NC signal contact).

There are 4 analogue or 2 digital inputs available, which can also be used in combination. Furthermore, link jacks are available for the respective input signal used or as „processed“ digital outputs.

Four neutrik speakon jacks are available on the output side (two of them are double-assigned for bi-amp mode).

AES / EBU as well as S / PDIF with 16 - 24 bit and 32 - 192 kHz are accepted as digital input signals. The device generates AES / EBU with 24 Bit and 48 kHz.

Another feature is the PFC supported audio optimized wide-range switching power supply (SMPS). Extensive protection circuits and digital monitoring functions round off the professional features of this device, whose broadband

applications range from monitor operation and system operation with passive PA components (in actively separated PA systems) to the realization of multi-channel systems in fixed installations.

Please consider the following features:

- The front LEDs indicates important signal and operating conditions.
- 4 integrated, fully digital power amplifiers with high efficiency (> 90%).
- Protection circuits per channel (adjustable GAIN, crossover, subsonic filter, 6 full parametric EQs, peak RMS limiter, compressor, phase (180 °), delays (0-1000 ms), mute functions, matrix router).

★

Model designation

4-Channel Power Amplifier, QDA-428 A
4x 700 W (4 ohms), 4x 400 W (8 ohms), with DSP-function, 2 RU