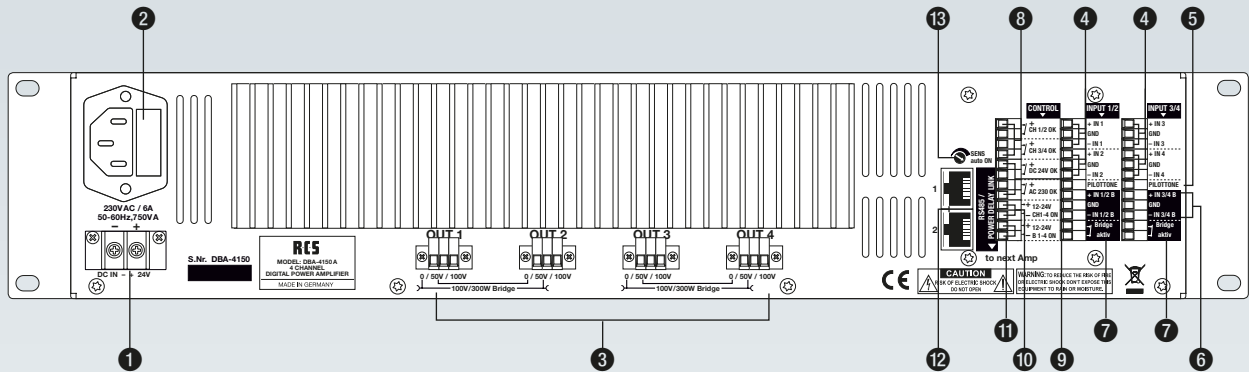


## Rear view



- ① DC power supply terminal 24V
- ② mains power connector
- ③ speaker outputs 50 and 100 V for 300 W operation, connect outputs 1 and 2 or 3 and 4 in series (only 50V connections)
- ④ symmetrical inputs (input), for 300 W operation, control inputs 1 + 2 and 3 + 4 together.
- ⑤ input for pilot tone signal
- ⑥ Balanced inputs (Bridge) Priority inputs for channel 1 + 2 resp. 3 + 4
- ⑦ Bridge active - contact activates the priority input (bridge) and mutes the input inputs.
- ⑧ Fault message output in case of defect or malfunction of the output stage
- ⑨ Fault message output in the absence of emergency power supply voltage
- ⑩ Remote contact IN 1 - IN 4 for switching on the amplifier inputs IN 1 - IN 4 with 12-24V DC
- ⑪ Remote contact IN 1 / 2B - IN 3 / 4B for switching on the priority inputs IN 1 / 2B - IN 3 / 4B with 12-24V DC.
- ⑫ RS485 / Power Delay Link
- ⑬ Setting the threshold for signal detection

Technical data	DBA-4150 A
Output power (program/RMS)	2x 450/300 W or 4x 225/150 W
Input sensitivity	1 V, 10 kohms, balanced
Output voltage	50 V or 100 V
Frequency range	140 - 24.000 Hz (better than -3 dB)
Signal to Noise Ratio	better than 91 dB
Harmonic distortion (THD)	better than 0,2 %
Fremdspannungsabstand	85 dB 1kHz
Power consumption	Sine signal: 730 W, no-load: 21 W, Standby: 10 W
Current consumption (230 V AC)	Sine signal: 3.7 A, Active: 0 W, Out: -0.08 A, Standby: 0.05 A
Current consumption (24 V DC)	Sinewave signal: 27 A, Active: 0 W, Out: -0.5 A, Standby: 0.14 A
Power supply AC	230V AC, 50 - 60 Hz
Power supply DC	24 V DC (emergency power)
Dimensions (WxHxD)	483 x 88 x 260 mm; 2 RU
Weight	18,5 kg

# DIGITAL 100 V AMPLIFIER

# RCS

DBA-4150 A
<b>600 W</b>
<b>4x 150 W</b>
<b>2x 300 W</b>



Digital 100V Power Amplifier according to IEC 268-5 with over 90% degree of efficiency



## Description

With this **digital 100V Amplifier** we do contribute to the protection of our climate and therefore the protection of our natural habitat.

The advantages of digital power amplifiers can be found regarding a much improved degree of efficiency of over 90% compared to other analogue amplifiers with approx. 70%

The outcome of that the lost heat is way less, which is positive for the durability of the amplifiers and also for the complexity of the cooling of 19" racks.

Please consider the following features:

- Pilot tone inputs and malfunction message contacts for emergency power and the power amplifier predestine this amplifier for 100 V technology according to VDE 0828/IEC 50849.
- In case of no signal is present, the amplifier automatically switches to standby and then only spends 9.9 VA, if the signal is pending, e.g. in case of an emergency the amplifier will be ready for operation within 30 ms.
- These amplifiers are manufactured according to the latest assembly methods with high-quality components and are therefore perfectly suitable for professional continuous operation in 100 V alarming systems.
- The battery capacity for emergency power operation is notably less than with analogue amplifiers.
- Output power and protection circuits according to IEC-268-5
- The LED indicators on the front panel give information on important signal and operation status.

- Cooling takes place maintenance free without ventilation, which means that there will be no pollution and no follow up costs. This device is therefore especially suitable for noise sensitive environments (offices, churches, conference rooms, etc.).
- Special protective circuits preventing engine idling, short circuit, overheating and an input delay are a matter of course.
- Other distinctive features: low installation depth of only 260 mm and countersunk volume controls.
- The devices have loudspeaker outputs and symmetrical inputs on screw-type connectors, whereby the wiring complexity is reduced significantly.
- Compliant with the standard EN 54-16.

★

- + Degree of efficiency of over 90%
- + Energy saving
- + Automatic standby mode
- + Low heat waste
- + Low battery capacity necessary

## Model designation

**2- or 4-Channel Power Amplifier ..... DBA-4150 A**  
2x 300 W or 4x 150 W RMS, (2 RU)