

# DSA 8209

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- 2 x 900 W
- Class H
- 2 HU
- Optional Remote Control Module (RCM-810)

DYNACORD Digital System series amplifiers offer a package of reliable high output power, high efficiency and legendary pro audio performance. They are the premium choice as system drive for a variety of DYNACORD's installation loudspeakers like e.g. D-Lite, Forum, VariLine or Cobra loudspeaker families. Their comprehensive protection system includes circuitry against overheating, overload, short circuit, HF and DC as well as back-EMF. A soft start circuit compensates mains inrush current peaks and thus prevents triggering AC mains fuse when switching on the amplifier. Loudspeakers are protected by turn-on-delay relays. Using an optional RCM-810 Remote Control Module allows supervision of the amplifier and connected loudspeakers via IRIS-Net software.

## Parts included

Quantity	Component
1	Power amplifier
1	Power cord
4	Foot stand
1	Output Euroblock connector 4-pole (Phoenix, IPC 5/4-ST-7,62, 1709063, F.01U.064.830)
2	Input Euroblock connector 3-pole (Phoenix, MC 1,5/3-ST-3,5, 1840379, F.01U.011.969)

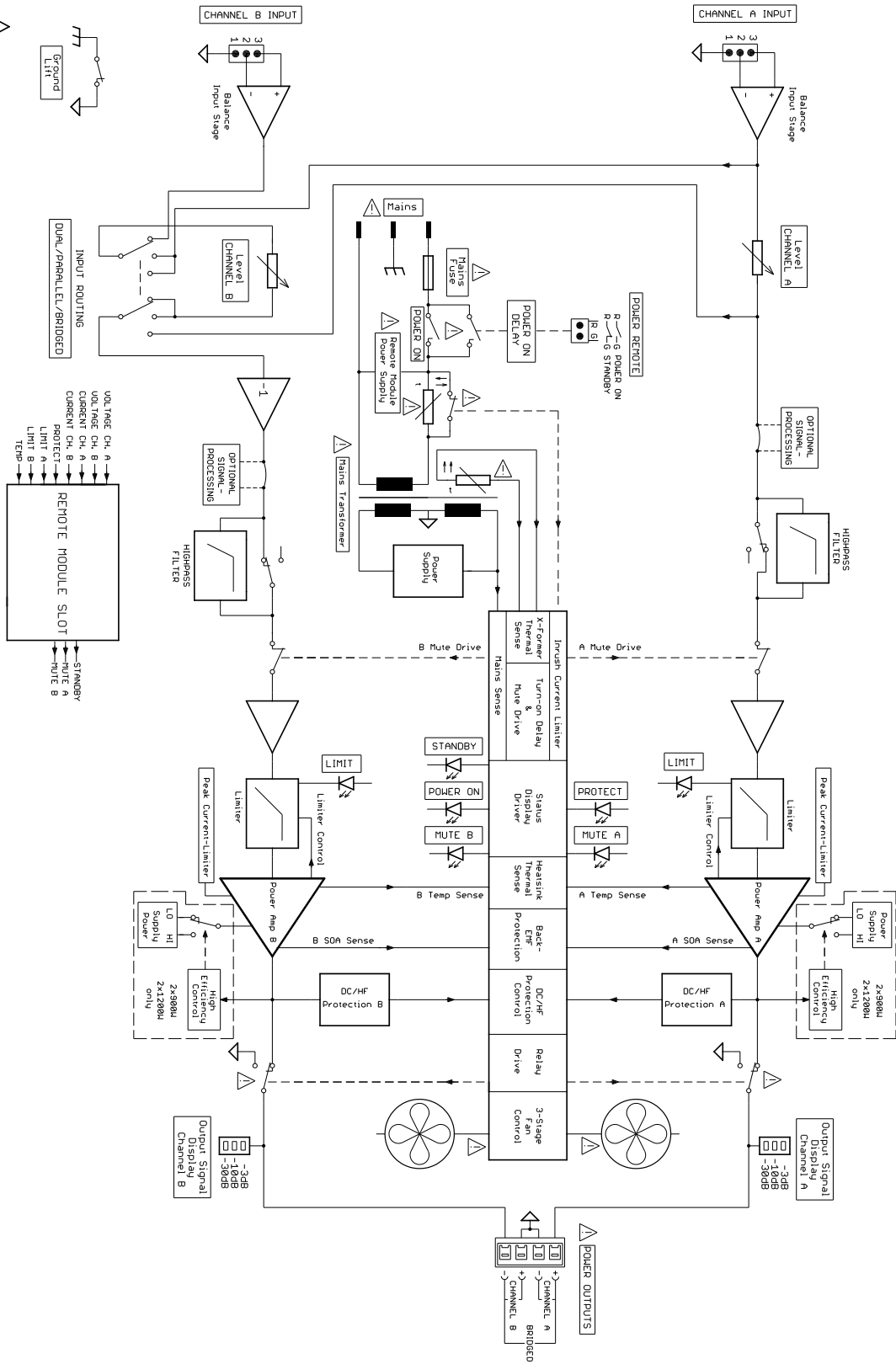
Quantity	Component
1	Power remote Euroblock connector 2-pole (Phoenix, MC 1,5/2-ST-3,5, 1840366, F.01U.011.970)
1	Owner's manual

## Technical specifications

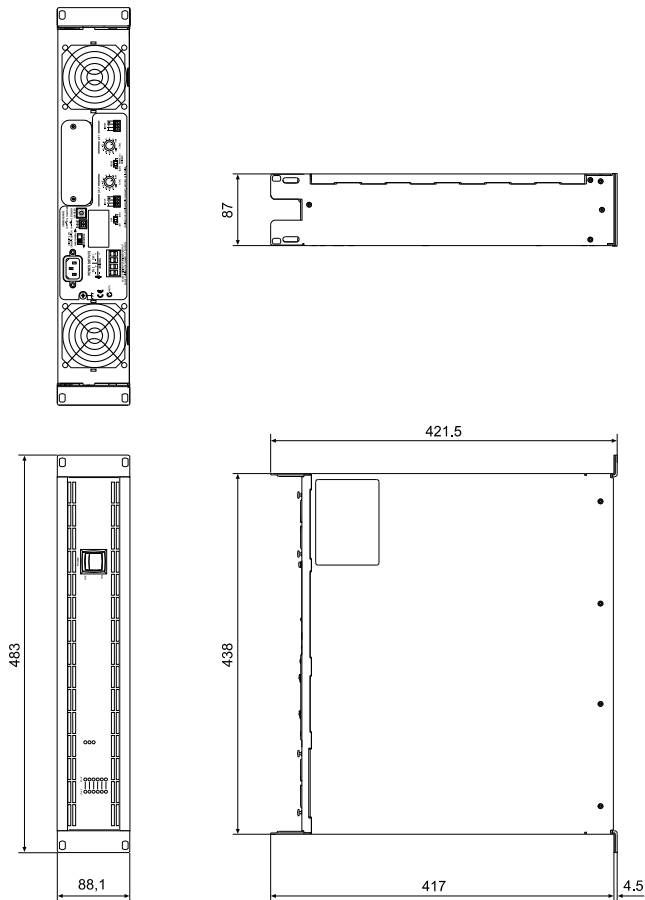
Load impedance	2 $\Omega$	4 $\Omega$	8 $\Omega$
Maximum midband output power, THD = 1%, 1 kHz, Dual channel	1250 W	900 W	550 W
Rated output power, THD < 0.1%, 20–20 000 Hz	-	800 W	400 W
Maximum single channel output power, dynamic-headroom, IHF-A	2450 W	1400 W	700 W
Maximum single channel output power, continuous, 1 kHz	1700 W	1100 W	630 W
Maximum bridged output power, THD = 1%, 1 kHz	-	2800 W	1800 W
Maximum RMS voltage swing, THD = 1%, 1 kHz	78.8 V		
Power Bandwidth, THD = 1%, ref. 1 kHz, half power at 4 $\Omega$	10–30000 Hz		
Voltage gain, ref. 1 kHz	32 dB		
Input Sensitivity, rated power at 8 $\Omega$ , 1 kHz	+5.1 dBu (1.39 V <sub>rms</sub> )		
THD at rated output power, MBW = 80 kHz, 1 kHz	< 0.03%		
IMD-SMPTE, 60 Hz, 7 kHz	< 0.1%		
DIM30, 3.15 kHz, 15 kHz	< 0.05%		
Maximum input level	+21 dBu (8.69 V <sub>rms</sub> )		
Crosstalk, ref. 1 kHz, at rated output power	< -80 dB		
Frequency response, ref. 1 kHz	10–40000 Hz ( $\pm 1$ dB)		
Input impedance, active balanced	20 k $\Omega$		
Damping factor, 1 kHz	> 300		
Slew rate	27 V/ $\mu$ s		
Signal-to-noise ratio (A-weighted)	> 109 dB		
Output noise, A-weighted	< -71 dBu		
Output stage topology	Class H		
Power requirements	240, 230, 120 or 100 V; 50–60 Hz (factory configured)		
Power consumption, 1/8 maximum output power at 4 $\Omega$	540 W		
Power consumption, rated output power at 8 $\Omega$	1280 W		
Mains fuse			
• 240/230 V	T15AH		
• 120/100 V	T25AH		
Protection	Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak Current Limiters, Inrush Current Limiters, Turn-on Delay		
Signal Processing	HPF, 18 dB, switchable		
Cooling	Front-to-Rear, 3-Stage-Fans		
Operating temperature	5° to 40° C (40° to 105° F)		
Safety class	I		
Product dimensions (Width x Height x Depth)	483 x 88.1 x 421.5 mm		
Net weight	16.3 kg		

\* Depending on the ambient temperature, the unit might not operate continuously at 2  $\Omega$  load in Dual Mode or 4  $\Omega$  load in Bridged Mode. In addition input power exceeds 1.1 times rated power consumption with at 2  $\Omega$  load in Dual Mode or 4  $\Omega$  load in Bridged Mode.

**SAFETY COMPONENT MUST BE REPLACED BY ORIGINAL PART**



Circuit diagram



Dimensions

## Ordering information

### DSA 8209

High-Efficiency Class-H Amplifier, Remote opt.; 2x  
900W; 2 HU

Order number **F.01U.076.867**

### Accessories

#### RCM-810

RCM-810 IRIS-Net Remote Control Retrofit Module  
for CPS Mk II and CPS Multichannel Amplifiers

Order number **F.01U.101.277**

#### RMK-15

Rack Mount Kit for DSA and SL Amps, Length 15,5“;  
1L / 1R

Order number **F.01U.135.402**

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