

# DC series

## Power amplifiers

DC series is a versatile signal distribution and amplification platform for cinemas.

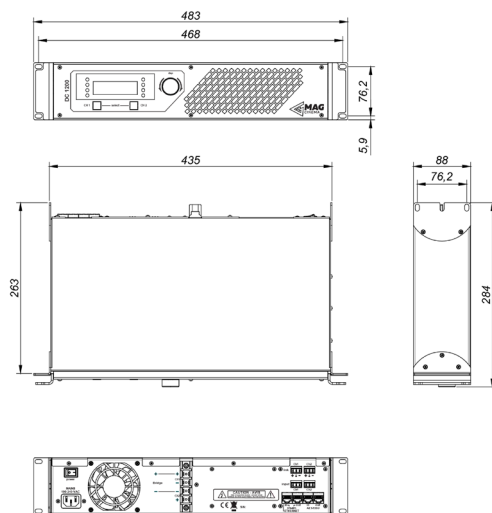
DC series presents a new approach to cinema system design. Based on many years of experience in cinema installations, it features smart, efficient design while providing innovative options for brand new theaters.

Based on energy-effective and lightweight class D amplification with switch-mode power supply, DC series offers a complete power range to fit a cinema installation of any size.

With ethernet connectivity (AE-versions) and Web-interface (AEW-versions), DC series is easy to integrate into modern TMS systems.



### DIMENSIONS



### SAFETY INSTRUCTIONS

1. Do not use this equipment near water.
2. Clean only with dry cloth.
3. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
4. Do not use near heat sources such as stoves, heat registers, radiators or other equipment (including amplifiers) that produces heat.
5. Do not use the unit near open fire sources.
6. Connect the unit only to the electric network with grounding. Use only electric plugs that provide grounding.
7. Protect the power cord from being walked on, pinched, or otherwise damaged.
8. Use only accessories specified by the manufacturer.
9. Unplug this unit during lightning storms or when unused for long periods of time.
10. Refer all servicing to qualified service personnel. Servicing is required when the system has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the unit, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.
11. **WARNING - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS SYSTEM UNIT TO RAIN OR MOISTURE.**

### SPECIFICATIONS

	DC 600A DC 600AE DC 600AEW	DC 1200A DC 1200AE DC 1200AEW	DC 3000A DC 3000AE DC 3000AEW
Frequency range	20 Hz - 20 kHz	20 Hz - 20 kHz	20 Hz - 20 kHz
Channel count	2	2	2
Nominal power, per channel, 4 Ohm load	300 W	600 W	1500 W
Nominal power, per channel, 8 Ohm load	200 W	400 W	1000 W
Nominal power, two channels bridged, 8 Ohm load	600 W	1200 W	3000 W
Nominal power, two channels bridged, 16 Ohm load	400 W	800 W	2000 W
Amplifier	Class D high efficiency		
Presets	Built-in MAG Cinema speaker presets		
DSP speaker controls	6 parametric EQ, volume, polarity		
DSP utility controls	Power saving mode, power-up mode, 3-level password protection		
Input sensitivity	+5dBu	+5dBu	+7dBu
Maximum input level		+20dBu	
Input impedance		18 kOhm unbal., 36 kOhm bal.	
Crosstalk separation	85 dB @ 1 kHz	85 dB @ 1 kHz	71 dB @ 1 kHz
THD	<0.08% from 0.1 W to full power (typically <0.05%)	<0.08% from 0.1 W to full power (typically <0.05%)	<0.09% from 0.1 W to half power (typically <0.05%)
Power consumption, 1/8 of max output power @ 8 Ohm	110 VA	220 VA	600 VA
Damping factor, 8 Ohm	> 10000 @ 100 Hz	> 10000 @ 100 Hz	> 500 @ 100 Hz
S/N ratio, analog		100 dB	
S/N ratio, digital AES/EBU *		114 dB	
Connectors	3-pin Phoenix input, 3-pin Phoenix link, C13 mains input, RS-485 Ethernet input/link, 2x RJ45 AES/EBU digital input		
Network	IP protocol adapter (DC 600AE, DC 1200AE, DC 1208AE, DC 3000AE) Web-Interface (DC 600AEW, DC 1200AEW, DC 3000AEW)		
Dimensions (W×H×D)	480 × 90 × 255 mm, 2U		
Net weight	5,25 kg	5,25 kg	5,9 kg