

Datasheet



Analog series

Power amplifiers



Models:

AQ-3000

AQ-4000

AQ-8000

AO-6000

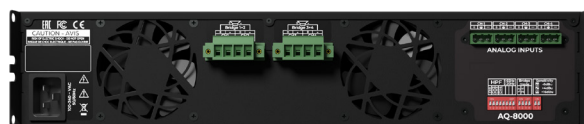
AO-8000

AO-16000

ANALOG series presents an ultimate solution for professional cinema amplification. Heavy duty power amplifiers come in 4, or 8 channel versions with different power ratings and same compact 2U rack height.

Each amplifier is provided with 3-pin phoenix input terminals and convenient phoenix output terminals. Bridge mode is also available between channels with the same power rating. To easily couple the amplifier with the cinema processor, the input sensitivity switch is also provided.

4 CHANNEL



Nominal power rating		4 ohm	8 ohm	16 ohm	
AQ-3000	single	CH 1	750 W	375 W	190 W
		CH 2	750 W	375 W	190 W
		CH 3	750 W	375 W	190 W
		CH 4	750 W	375 W	190 W
	bridge	CH 1+2		1400 W	800 W
		CH 3+4		1400 W	800 W
AQ-4000	single	CH 1	1000 W	500 W	250 W
		CH 2	1000 W	500 W	250 W
		CH 3	1000 W	500 W	250 W
		CH 4	1000 W	500 W	250 W
	bridge	CH 1+2		2000 W	1000 W
		CH 3+4		2000 W	1000 W
AQ-8000	single	CH 1	2000 W	1000 W	600 W
		CH 2	2000 W	1000 W	600 W
		CH 3	2000 W	1000 W	600 W
		CH 4	2000 W	1000 W	600 W
	bridge	CH 1+2		3000 W	2000 W
		CH 3+4		3000 W	2000 W

Misc. parameters	
Frequency range	20 Hz - 20 kHz
Amplifier	Class D high efficiency
Input sensitivity	+16dBu / +4dBu / -8dBu selectable
Maximum input level	+17dBu / 5 dBu / -7 dBu
Input impedance	11 kOhm unbal., 22 kOhm bal.
Crosstalk separation	100 dB @ 1 kHz
THD	<0.5%
Power consumption, 1/8 of max output power @ 8 Ohm	AQ-3000 400 W AQ-4000 500 W AQ-8000 1000 W
Damping factor, 8 Ohm	> 500 @ 1kHz
S/N ratio, analog	100 dB
Connectors	4x 3-pin Phoenix input, 2x 4-pin Phoenix output C19 mains input,
Dimensions (W×H×D)	483 × 88 × 508 mm, 2U
Net weight	AQ-3000 8,2 kg AQ-4000 8,2 kg AQ-8000 9,7 kg

8 CHANNEL



Nominal power rating		4 ohm	8 ohm	16 ohm	
AO-6000	single	CH 1	750 W	375 W	190 W
		CH 2	750 W	375 W	190 W
		CH 3	750 W	375 W	190 W
		CH 4	750 W	375 W	190 W
		CH 5	750 W	375 W	190 W
		CH 6	750 W	375 W	190 W
		CH 7	750 W	375 W	190 W
		CH 8	750 W	375 W	190 W
	bridge	CH 1+2		1400 W	800 W
		CH 3+4		1400 W	800 W
		CH 5+6		1400 W	800 W
		CH 7+8		1400 W	800 W
AO-8000	single	CH 1	1000 W	500 W	250 W
		CH 2	1000 W	500 W	250 W
		CH 3	1000 W	500 W	250 W
		CH 4	1000 W	500 W	250 W
		CH 5	1000 W	500 W	250 W
		CH 6	1000 W	500 W	250 W
		CH 7	1000 W	500 W	250 W
		CH 8	1000 W	500 W	250 W
	bridge	CH 1+2		2000 W	1000 W
		CH 3+4		2000 W	1000 W
		CH 5+6		2000 W	1000 W
		CH 7+8		2000 W	1000 W
AO-16000	single	CH 1	2000 W	1000 W	500 W
		CH 2	2000 W	1000 W	500 W
		CH 3	2000 W	1000 W	500 W
		CH 4	2000 W	1000 W	500 W
		CH 5	2000 W	1000 W	500 W
		CH 6	2000 W	1000 W	500 W
		CH 7	2000 W	1000 W	500 W
		CH 8	2000 W	1000 W	500 W
	bridge	CH 1+2		3000 W	2000 W
		CH 3+4		3000 W	2000 W
		CH 5+6		3000 W	2000 W
		CH 7+8		3000 W	2000 W

Misc. parameters		
Frequency range	20 Hz - 20 kHz	
Amplifier	Class D high efficiency	
Input sensitivity	+16dBu / +4dBu / -8dBu selectable	
Maximum input level	+17dBu / 5 dBu / -7 dBu	
Input impedance	11 kOhm unbal., 22 kOhm bal.	
Crosstalk separation	100 dB @ 1 kHz	
THD	<0.5%	
Power consumption, 1/8 of max output power @ 8 Ohm	AO-6000	750 W
	AO-8000	1000 W
	AO-16000	2000 W
Damping factor, 8 Ohm	> 500 @ 1kHz	
S/N ratio, analog	100 dB	
Connectors	8x 3-pin Phoenix input, 4x 4-pin Phoenix output C19 mains input,	
Dimensions (W×H×D)	483 × 88 × 508 mm, 2U	
Net weight	AO-6000	10 kg
	AO-8000	11,7 kg
	AO-16000	14,5 kg