

# Genelec 1018A

## System Specifications

Lower cut-off frequency, -3 dB:	< 80 Hz
Upper cut-off frequency, -3 dB:	> 18 kHz
Free field frequency response tolerance of system	± 4 dB
Maximum continuous sine wave acoustic output @ 1m on axis in a free field from 200 Hz to 2 kHz	> 100 dB SPL
Maximum peak acoustic output per pair on top of a console, 1 m from the engineer with music material	> 112 dB
A -20 dBu signal input will produce 86 dB SPL in a free field @ 1 m on axis with all controls set at the 'CAL' position. The 'CAL' position is the 0 dB position of all tone controls and the maximum sensitivity position of the input level control. See specification in the Crossover Section.	
Self generated noise level in free field @ 1m on axis	< 20 dB (A weighted)
Harmonic distortion at 85 dB SPL @ 1m on axis	
f < 300 Hz	< 3%
f > 300 Hz	< 1%
Horizontal treble radiation loss at 30° off axis	
f = 10 kHz	< 4 dB
f = 15 kHz	< 5 dB
Drivers	
Bass	4" cone (100 mm)
Treble	2" cone (50 mm)
Weight	7.7 lb (3,5 kg)
Dimensions:	
Width	5 7/8" (150 mm)
Height	10 1/4" (260 mm)
Depth	6 1/4" (160 mm)

## Amplifier

Bass amplifier output power at 8 ohm load	
continuous	19 W
momentary	30 W
Treble amplifier output power at 8 ohm load	
continuous	5 W
momentary	30 W

Treble channel continuous output power is limited by the electronic overload protection

Slew rate	15 V / $\mu$ s
Amplifier system distortion at nominal output	
THD	< 0,2%
SMPTE-IM	< 0,2%
CCIF-IM	< 0,2%
DIM100	< 0,2%
Signal to Noise ratio, from shorted system input to channel output, referred to full output	78 dB
Bass	90 dB
Treble	
Mains voltage	110/220/240 VAC
Voltage Operation Range	$\pm$ 10%
Power consumption, idle	5 VA
full output	50 VA

### **Crossover**

Input connector: XLR female	pin 2+ pin 3-
To feed from unbalanced output connect pin 3 to pin 1 (ground) in the cable connector.	
Input impedance	10 k balanced
Max input level	+23 dBu
Output connector in parallel with input: XLR male	pin 2+ pin 3-
Output impedance	same as source
Continuously variable input level for maximum output	from + 23 dBu to -4 dBu
Subsonic filter	down 12 dB @ 40 Hz re 150 Hz level
Ultrasonic filter	down 12 dB @ 50 kHz re 10 kHz level
Crossover frequency	3,5 kHz
Crossover acoustical slopes	> 12 dB / octave
Bass cut control operation range	from -6 dB to 0 dB @ 100 Hz

The 'CAL' position is 0 dB cut control set fully clockwise.

All data subject to change without prior notice