

accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help
- Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

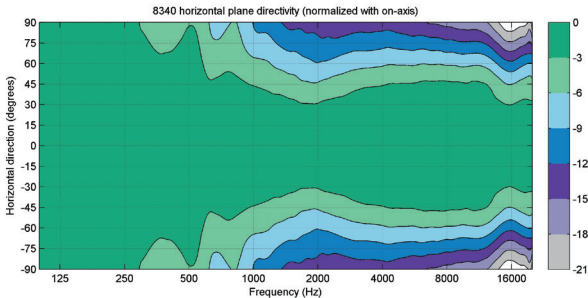


Figure 10. The curves above show the horizontal directivity characteristics of the 8340A.

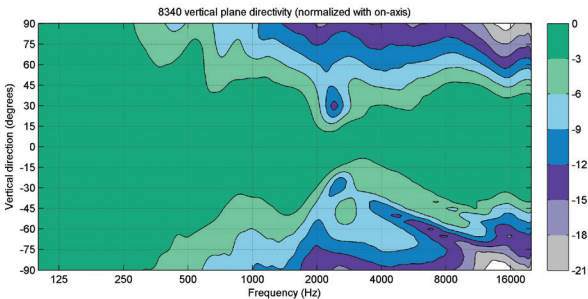


Figure 11. The curves above show the vertical directivity characteristics of the 8340A.

SYSTEM SPECIFICATIONS	
	8340A
Lower cut-off frequency, -6 dB	< 38 Hz
Upper cut-off frequency, -6 dB	> 22 kHz
Accuracy of frequency response, ± 1.5 dB	45 Hz – 20 kHz
Maximum short term sine wave acoustic output on axis in half space, averaged from 100 Hz to 3 kHz at 1 m	≥ 110 dB SPL
Maximum long term RMS acoustic output in the same conditions with IEC weighted noise (limited by driver protection circuit) at 1 m	100 dB SPL
Maximum peak acoustic output per pair in a listening room with music material at 1 m	≥ 118 dB
Self generated noise level in free space at 1 m on axis (A-weighted)	≤ 5 dB
Harmonic distortion at 90 dB SPL at 1 m on axis Freq: 50...100 Hz > 100 Hz	< 2 % < 0.5 %
Drivers Bass Treble All drivers are magnetically shielded	165 mm (6 ¹ / ₂ in) cone 19 mm (3 ³ / ₄ in) metal dome
Weight	8.4 kg (18.5 lb)
Dimensions Height Width Depth Height with Iso-Pod™	350 mm (13 ¹³ / ₁₆ in) 237 mm (9 ³ / ₈ in) 223 mm (8 ¹³ / ₁₆ in) 365 mm (14 ³ / ₈ in)

AMPLIFIER SECTION

	8340A
Bass amplifier short term output power	150 W
Treble amplifier short term output power (Long term output power is limited by driver protection circuitry)	150 W
Amplifier system THD at nominal output	<0.01%
System Signal to Noise ratio, A-weighted	
Bass	> 109 dB
Treble	> 110 dB
Mains voltage	100-240 VAC 50/60 Hz
Power consumption	
ISS active	< 1 W
Idle	12 W
Full output (short term)	180 W

SIGNAL PROCESSING SECTION

	8340A
Analog signal input connector XLR female, balanced 10 kOhm	
Maximum analog input signal	pin 1 gnd
Analog input sensitivity (100 dB SPL at 1 m)	pin 2 non-inverting,
Analog input gain selection, rotary control	pin 3 inverting +25.0 dBu -6 dBu Adjustable from +6 to -6 dBu
Digital signal input connector XLR female 110 Ohm	AES/EBU Single Wire
Digital signal output / Thru connector XLR male 110 Ohm	AES/EBU Single Wire
Digital audio input	
Word length	16 - 24 bits
Sample rate	32 - 192 kHz
Digital input sensitivity (100 dB SPL at 1 m)	-30 dBFS
Digital input gain sensitivity, rotary control	Adjustable from +6 to -6 dBu
Control network	
Type	Proprietary GLM™ network
Connection	2 RJ45, CAT5 cables
Crossover frequency	2.6 kHz
GLM™ software frequency response adjustment*	
Parametric notch filters	16
Shelving filters	2 LF and 2 HF
System room response calibration	Genelec GLM AutoCal™ AutoCal™, GLM™ manual, Stand-alone*

* The notch and shelving filters adjustments, AutoCal™ and GLM™ manual system calibration features are part of the Genelec Loudspeaker Manager (GLM™) software

GENELEC®

International enquiries:
Genelec, Oivitie 5
FIN-74100, Iisalmi, Finland
Phone +358 17 83881
Fax +358 17 812 267
Email genelec@genelec.com

In the U.S. please contact:
Genelec, Inc., 7 Tech Circle
Natick, MA 01760, USA
Phone +1 508 652 0900
Fax +1 508 652 0909
Email genelec.usa@genelec.com

In Sweden please contact:
Genelec Sverige
Ellipsvägen 10A
14175 Kungens Kurva
Phone +46 8 449 5220
Email info@genelec.com

In China please contact:
Beijing Genelec Audio Co.Ltd
B33 - 101
Universal Business Park
No. 10 Jiuxianqiao Road
Chaoyang District
Beijing, China
Phone +86 (10) 5823 2014, 400 700 1978
Email genelec.china@genelec.com