

GENELEC®



System

Genelec's new AIW26 Active In-wall speaker system consists of a bass reflex type two-way speaker and a matched remote amplifier module RAM1. It has been designed to the same rigorous standards as Genelec's high-performance HT series active Home Theater loudspeakers. No other in-wall loudspeaker can match the low distortion, incredible neutrality and high sound pressure capability of Genelec AIW26. The AIW26 can be used in the most demanding applications, like the main L-C-R array of a Home Theater system, critical Stereo listening or rear/side channels of a large, state-of-the-art Home Theater.

The AIW26 speaker has a 7" bass driver loaded with a 8 liter bass reflex cabinet

and a $\frac{3}{4}$ " treble driver with a proprietary Directivity Control Waveguide™ (DCW™) giving a precise and uncolored acoustic response. The RAM1 remote amplifier module includes active crossover circuitry and 120 and 120 W power amplifiers for the bass and treble driver respectively. RCA and balanced XLR line level input connectors and adjustable input sensitivity ensure convenient connection to all types of decoders. Connectors for remote power/standby mode switching are also provided. The active crossover unit allows accurate Bass Tilt, Bass Roll-Off and Treble Tilt adjustments for fine-tuning the sound balance to suit various acoustical conditions and listener tastes.

The solid, carefully dimensioned bass reflex cabinet gives far better control of bass reproduction than typical in-wall

speakers. The speaker fits into a standard 2 x 4" wall structure and can easily be retrofitted to existing construction. The visible parts of the speaker (grill insert and grill frame) can be painted to match the wall colour.

The RAM1 amplifier module can be rack mounted with its dedicated RM1 Rack Mount Kit (optional) or placed on a shelf or into a cabinet. The wiring between the amplifier module and speaker can be made of standard 14 or 12 gauge 4-conductor wire. Expensive proprietary cables are not needed. Each speaker/amplifier combination has been carefully tested and matched together before delivery for maximum accuracy.

Visit Genelec's Home Theater website www.genelec-ht.com for more information of Genelec's Home Theater speaker line.

AIW26 Data Sheet

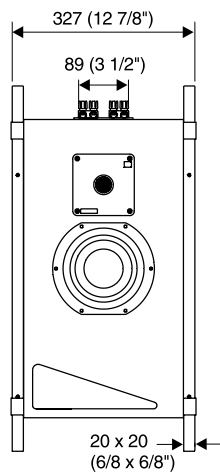


Figure 1. AIW26 front view

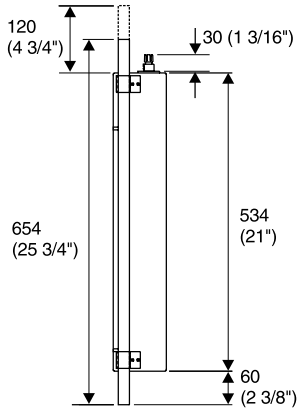


Figure 2. AIW26 side view

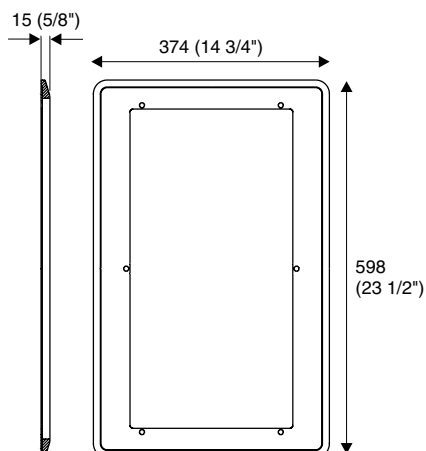


Figure 3. AIW26 grill frame side and front views

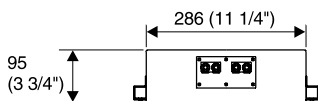


Figure 4. AIW26 top view

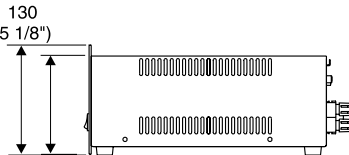


Figure 5. RAM1 side view

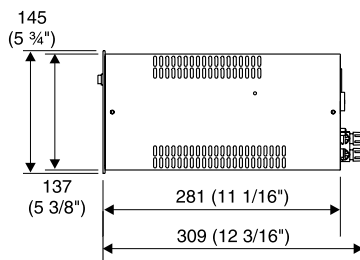


Figure 6. RAM1 top view

AIW26 LOUDSPEAKER UNIT

Free field frequency response of system:	45 Hz...21kHz ($\pm 2,5$ dB)
Maximum short time sine wave acoustic output at 1 m on axis in half space, averaged from 100 Hz to 3 kHz:	>110 dB SPL
Maximum peak acoustic output for a pair with music material:	>120 dB SPL
Drivers	
Bass:	182 mm (7")
Treble:	19 mm (3/4") metal dome
Harmonic distortion at 90 dB SPL @ 1 m on axis:	< 3% (50...200 Hz) < 0,5% (>200 Hz)
Weight including grill assembly:	10,7 kg (23,6 lbs)
Required cut-out dimensions	
Height:	545 mm (21 1/2")*
Width:	334 mm (13 1/2")*
Depth:	88 mm (3 1/2")*
*Note: The mounting brackets of the AIW26 need a clearance inside the wall of at least 125 millimeters (5") above the top edge of the cut-out and 65 mm (2 5/16")	

RAM1 AMPLIFIER UNIT

Bass amplifier output power:	Short term 120 W
Treble amplifier output power:	Short term 120 W
Input impedance:	10 kOhm
Crossover frequency:	3.5 kHz
Treble tilt control in 2 dB steps from +2 to -4 dB & MUTE:	@15 kHz
Bass roll-off control in 2 dB steps from 0 to -6 dB:	@50 Hz
Bass tilt control in 2 dB steps from 0 to -6 dB & MUTE:	@100 Hz
Mains voltage:	100/200V or 115/230V
Power consumption (Standby / Idle / Full output):	5/10/200 W
Maximum ambient temperature	35°C (95°F)
Weight:	4,6 kg (10,1 lbs)
Dimensions	
Height:	130 mm (5 1/8")
Width:	145 mm (5 3/4")
Depth:	309 mm (12 3/16")