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# 80

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80-TG 80-T 80-B 80-C 80-S 80-X

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**AR**  
*Acoustic  
Research*®



# STUNNING SOUND THAT SATISFIES EVERY DEMANDING EAR

Featuring Acoustic Research's latest groundbreaking innovations in premium hi-fi and home theatre loudspeaker technology distilled from over 60 years of experience, the all-new 80 Series has reached a genuinely world class standard of audio enjoyment that will satisfy even the most demanding of audiophiles.



The signature cut-corner baffle reduces diffractions to ensure the sound is perfectly clean and strikingly detailed.



The premium real wood veneer is uniquely colored with a subtle golden amber glow to give a splendidly elegant finish.

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## THE CROSSOVER



### INTELLIGENTLY ENGINEERED FOR MINIMUM LOSS AND DISTORTION

Tailor-made inductors and capacitors are combined in a carefully designed layout to ensure smooth crossover with minimum loss and distortion.



## THE TWEETER

✓  
METICULOUSLY DESIGNED TO PRESENT  
YOU WITH EVERY INTRICATE DETAIL

### 80-TG

- 30mm precision-coated textile diaphragm for exceptional consistency and high-frequency extension
- Extensive internal venting system between three internal cavities ensures no air is ever trapped inside, thus extending the usable frequency range downwards significantly
- Extra large ferrite magnet plus copper-clad aluminum voice coil wire offer lower moving mass for superior efficiency, power handling and lightning-quick transient response

### 80-T 80-B

- 30 mm precision-coated textile diaphragm provides exceptional consistency and high-frequency extension
- Vented voice coil and built-in cavities under the dome effectively minimize distortion, delivering outstandingly clear, smooth and directional highs
- Dual-neodymium magnet acts as a strong power source ensuring every note is perfectly delivered



## THE MID/WOOFER

✓  
EXTRAORDINARILY FLAT RESPONSE GIVES YOU THE MOST  
ACCURATE SOUNDS YOU DESIRE

- Innovative paper and glass fiber mix cone immensely improves consistency and stability
- Rigid die-cast aluminum chassis with extensive venting drastically reduces audible distortion
- Voice coil bobbin made from lightweight heavy-duty black fiber significantly reduces mechanical losses, resulting in a dynamic performance and detailed low-range
- Large motor with 1½ inch voice coil diameter for excellent control and power handling

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## THE SUBWOOFER

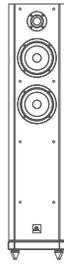
✓  
BREAK FORTH TO A THRILLING EXPERIENCE WITH A POWERFUL  
SUBWOOFER

- High-efficiency Class D amplifier featuring MOSFET (metal-oxide-semiconductor field-effect transistor) operates extremely quickly which ensures exceptionally high clarity, powerful output and extra low distortion
- Precision-built, robust cabinet commandingly stabilizes the subwoofer during long strokes, reducing resonance and distortion
- Light weight yet extremely rigid 12-inch aluminum cone ensures accurate piston motion at high power levels and continuous heat dissipation
- Robust die-cast aluminum chassis provides the necessary sturdy base for the magnet structure and suspension and optimal ventilation to further facilitate the maximum excursion of the cone
- Large motor system with 4-layer, 2" diameter voice coil and 145mm magnet to ensure outstanding control and efficiency
- 0°-180° continuous phase adjustment

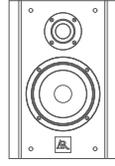




80-TG

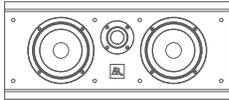


80-T



80-B

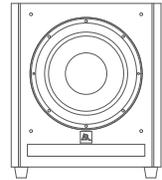
DESIGN	Two-way bass reflex	Two-way bass reflex	Two-way bass reflex
DRIVE UNIT	1 x 30 mm textile tweeter, 2 x 7 in. paper glass-fiber mix cone mid/woofer	1 x 30 mm textile tweeter, 2 x 6 in. paper glass-fiber mix cone mid/woofer	1 x 30mm textile tweeter, 1 x 6 in. paper glass-fiber mix cone mid/woofer
FREQUENCY RESPONSE $\pm$ 3 DB	35Hz-30kHz	35Hz-25kHz	45Hz-25kHz
SENSITIVITY	89dB	90dB	90dB
NOMINAL IMPEDANCE	8 $\Omega$	8 $\Omega$	8 $\Omega$
RECOMMENDED AMPLIFIER POWER	175W	150W	100W
POWER HANDLING (CONTINUOUS)	300W	250W	200W
POWER	-	-	-
DIMENSIONS (H X D X W)	1100 x 360 x 250 mm	967 x 327 x 222 mm	325 x 300 x 222 mm
FINISH	Walnut	Walnut	Walnut
NET WEIGHT	35 kg	25.4 kg	9.6 kg



80-C



80-S



80-X

DESIGN	Two-way bass reflex	Two-way sealed enclosure	Front firing front ported
DRIVE UNIT	1 x 30mm textile tweeter, 2 x 6 in. paper glass-fiber mix cone mid/woofer	2 x 12.7 mm mylar tweeter, 1 x 4 in. paper cone mid/wooferr	1 x 12 in. aluminium cone
FREQUENCY RESPONSE $\pm$ 3 DB	45Hz-25kHz	65Hz-22kHz	14Hz-240Hz
SENSITIVITY	90dB	88dB	-
NOMINAL IMPEDANCE	8 $\Omega$	8 $\Omega$	-
RECOMMENDED AMPLIFIER POWER	100W	75W	-
POWER HANDLING (CONTINUOUS)	200W	120W	-
POWER	-	-	RMS 500W
DIMENSIONS (H X D X W)	225 x 255 x 520 mm	250 x 150 x 350 mm	455 x 446 x 417 mm
FINISH	Walnut	Satin black	Walnut
NET WEIGHT	13 kg	4 kg	30.9 kg