

A80T

8" Compact Point Source On-wall Loudspeaker - Transformer

ADORN

Features

- Contemporary, unobtrusive design
- High output capability
- High fidelity sound
- 70V/100V line transformer
- Low and high-frequency overload protection
- Vertical or horizontal orientation
- 90° x 50° coverage
- IP54 with optional waterproof connector cover
- 5-year warranty

Applications

- Retail outlets
- Cafes, bars and restaurant chains
- Hotels and convention centres
- Educational facilities
- Corporate offices



The ADORN A80T is a two-way passive speaker with an elegant design that is perfect for architectural environments that require high fidelity sound from an unobtrusive, compact enclosure. It brings class-leading performance, reliability and value to a wide range of commercial sound applications — from retail outlets, bars and restaurants to corporate offices and convention centres.

A80T is the perfect choice for background and foreground systems which require superior performance. Its Martin Audio signature sound characteristic also provides a seamless sonic transition within a multi-zoned complex using larger Martin Audio systems such as CDD or BlacklineX.

Comprising an 8" (203mm) LF driver and a 1" (25mm) polymer dome HF compression driver on a 90° x 50° horn, it handles 200W AES, 800W peak and can produce 120dB peak output at 1 metre. It has a smooth frequency response and strong bass reproduction that extends down to 63Hz.

With a nominal impedance of 8 ohms, multiple speakers can be driven in parallel from a single channel of a low impedance amplifier, such as the Martin Audio VIA2502 or VIA5004,

thereby maximising efficiency and minimising cost. A80T also incorporates a high-quality transformer for 70V/100V line operation, with transformer taps selected by a rotary switch. For 70V/100V line, we recommend the VIA5002. For full bandwidth protection, the low and high-frequency sections are individually protected against overload.

Available in black or white as standard, it can be readily painted to match any décor and can be wall-mounted vertically or horizontally using the supplied accessory WB6/8 bracket. For outdoor use, the cabinet has an IP rating of IP54 when fitted with an optional weatherised connector cover.

The VIA2502 or VIA5004 (or VIA5002 for 70V/100V line) in combination with a Martin Audio DX0.4 or DX0.6 controller will be perfect partners for small-scale efficient installations. Combine these amps with the DX4.0 controller for larger more complex installations managed by Martin Audio's VU-NET control software.

The Martin Audio SX112 subwoofer will extend the bandwidth of A80T and is ideal for foreground music applications which require increased impact and low frequency performance.

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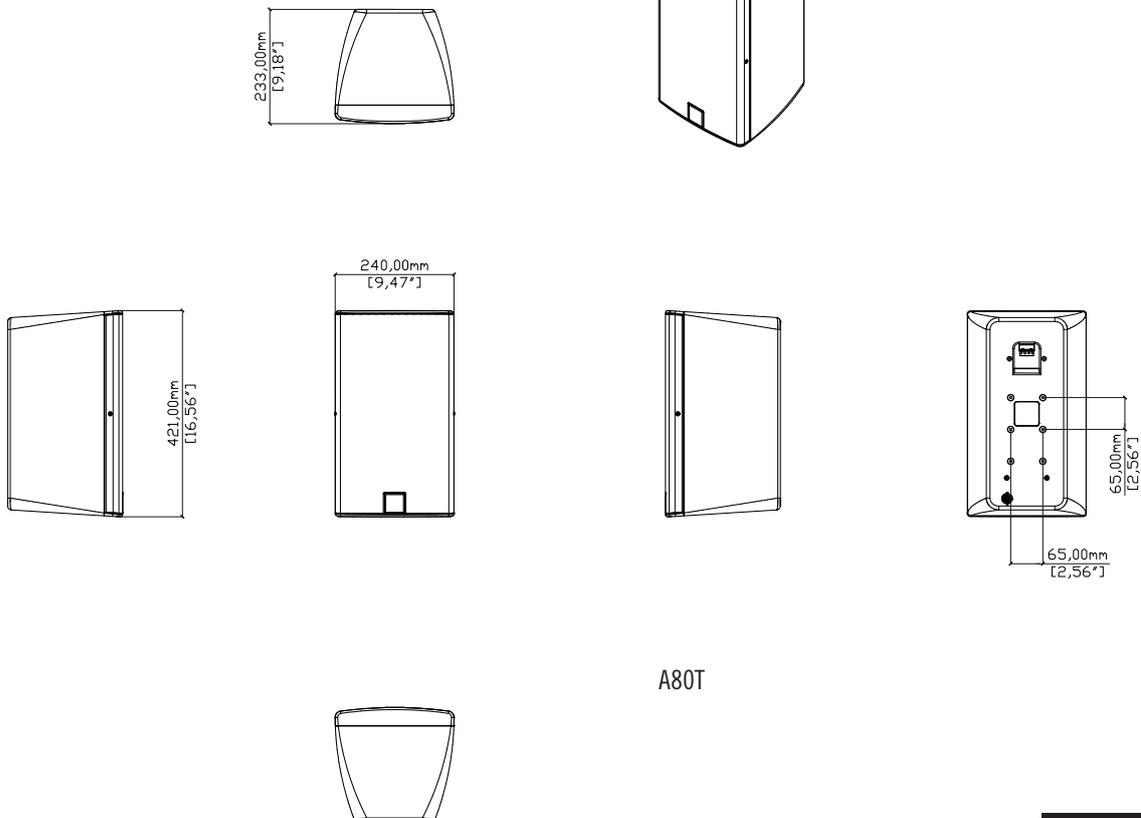


Technical Specifications

TYPE	Compact passive two-way system, front ported bass reflex
FREQUENCY RESPONSE (1)	63Hz-17kHz ± 3dB, -10dB @ 50Hz
DRIVERS	LF: 8" with 2" high-temp voice coil, ferrite motor system HF: 1" with 1" exit polymer dome compression driver
RATED POWER (2)	200W AES, 800W peak
RECOMMENDED AMPLIFIER	VIA2502 or VIA5004 (or VIA5002 for 70V/100V line)
SENSITIVITY (3)	91dB
MAXIMUM SPL (9)	120dB peak
NOMINAL IMPEDANCE	8 ohms
DISPERSION (-6dB)	90° H x 50° V
CROSSOVER	2.3kHz passive (LF and HF auto-resetting fuses)
TRANSFORMER TAPS	70V: 60/30/15/7.5W 100V: 60/30/15W
RECOMMENDED HIGH-PASS FILTER	40Hz 24dB/oct (8 ohm), 60Hz 24dB/oct (Transformer)
ENCLOSURE	ABS, UL 94V-0 rated
FINISH	Black or white
GRILLE	Perforated steel
IP RATING	IP54 when fitted with optional weatherised connector cover
CONNECTORS	Phoenix-style 12 A plug (replacement part PCX00006)
FITTINGS	6 x M6 inserts for wall or ceiling brackets
DIMENSIONS EXCL. BRACKET	(W) 246mm x (H) 421mm x (D) 233mm (W) 9.69in x (H) 16.56in x (D) 9.18in
WEIGHT	9.08kg (20.02lbs)
ACCESSORIES (SUPPLIED)	Wall bracket in black (WB6/8B) or white (WB6/8W)
ACCESSORIES (OPTIONAL)	Weatherised connector cover in black (ASF09007)

Notes

- (1) Measured on-axis in half (2pi) space at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half (2pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half (2pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
- (5) Measured on-axis in open (4pi) space at 2 metres, then referred to 1 metre.
- (6) Measured in open (4pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (7) Measured in open (4pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
- (8) Measured in open (4pi) space at 2 metres with 2.83v input, using band limited pink noise, then referred to 1 metre.
- (9) Calculated at 1 metre.
- (10) Measured in half (2pi) space at 2 metres with 2.83V input, using band limited pink noise, then referred to 1 metre.



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