

AT50-W

Indoor & Outdoor Waterproof Speaker

IP66 waterproof wall-mounted speaker with tweeter and woofer units for clear, bright sound and rich bass, built for reliable indoor and outdoor use in any weather.



50W / 100V

IP66 Rated

Tweeter+Woofer

Passive Radiator

Aluminum Mesh

Black / White



The AT50-W is an outdoor waterproof wall-mounted speaker with IP66 waterproof rating. It combines tweeter and woofer units with a passive radiator for clear, transparent, and bright sound with rich, powerful bass. The speaker box is made of durable polymer engineering plastics, and the mesh is made of hardened aluminum for stable, reliable operation in any indoor or outdoor environment.

Rated Power 50W	Operating Voltage 100V	Speaker Unit 6.5" + 1"
Frequency Response 65Hz – 20kHz	Max SPL 104dB ±2dB	Waterproof Rating IP66

IDEAL FOR

Outdoor Patios

All-weather background music for terraces, courtyards, and gardens.

Building Exteriors

Facade-mounted paging and music for retail and hospitality venues.

Pool & Poolside Areas

Weatherproof audio for pool decks and resort common areas.

Parking & Walkways

100V line distribution for wide-area paging and ambient audio.

PRODUCT DESCRIPTION

The AT50-W is an outdoor waterproof wall-mounted speaker featuring an IP66 waterproof level. It is equipped with both tweeter and woofer units plus a passive radiator to deliver clear, transparent, and bright sound with rich, powerful bass, ensuring reliable operation across a wide range of indoor and outdoor environments.

The speaker connects to a 100V distributed line via a rear terminal block protected by a waterproof cover, with an adjustable power tap offering 8Ω-50W-25W-12.5W-6.3W-3.2W settings. A cast aluminum mounting bracket with multi-angle adjustment allows quick, secure wall installation, while a streamlined, smooth-curved design suits both residential and commercial architecture.

A 6.5" woofer with polypropylene diaphragm and large magnetic circuit delivers powerful bass, while a 1" tweeter with natural silk membrane diaphragm ensures crisp, clear highs. Frequency response spans 65Hz to 20kHz with 87dB±2dB sensitivity and 104dB±2dB max SPL, giving reliable coverage from -20°C to +50°C in any climate.

50W
Rated Power
104dB
Max SPL
87dB
Sensitivity (1m, 1W)
65Hz-20kHz
Frequency Response
IP66
Waterproof Rating
4.3kg
Net Weight (1PC)

PRODUCT KEY FEATURES



Tweeter & Woofer Sound

Passive radiator paired with a 6.5" polypropylene woofer and 1" silk-membrane tweeter delivers clear, transparent sound with rich, powerful bass across the full frequency range.



IP66 Waterproof Protection

All-weather design with IP66 waterproof rating ensures reliable performance in rain, humidity, and direct outdoor exposure without compromising sound quality.



Hardened Aluminum Mesh

Mesh is made of 1060 pure aluminum, hardened and anti-oxidation treated so it resists deformation and never rusts, even after years of outdoor exposure.



Durable Engineering Plastic Enclosure

The speaker box is molded from polymer engineering plastics for a durable, safe, and reliable enclosure that withstands years of outdoor use.



Adjustable 100V Power Tap

Selectable power tap (8Ω-50W-25W-12.5W-6.3W-3.2W) allows flexible integration into 100V distributed audio systems for wide-area coverage.



Cast Aluminum Mounting Bracket

Corrosion-resistant cast aluminum bracket offers multi-angle adjustment for precise aiming, with safe and durable mounting on any wall surface.



Streamlined Weatherproof Design

Smooth, elegant curves and a stylish, classy outlook suit the decorative styles of a wide range of venues, available in both black and white finishes.



Wide Operating Temperature Range

Rated from -20°C to +50°C, the AT50-W performs reliably across extreme seasonal temperature swings in outdoor installations.



Waterproof Terminal Cover

A dedicated waterproof cover protects the terminal block and adjustable power tap from moisture, dust, and outdoor debris during operation.

TECHNICAL SPECIFICATIONS

ACOUSTIC SPECIFICATIONS

Speaker Unit	6.5" × 1, 1" × 1
Operating Voltage	100V
Rated Power	50W
Power Adjustment	8Ω-50W-25W-12.5W-6.3W-3.2W
Frequency Response	65Hz – 20kHz
Sensitivity (1m, 1W)	87dB ±2dB
Max SPL (1m)	104dB ±2dB
Distortion (THD)	<3% @ 1W, 1m, 100Hz-10kHz

CONSTRUCTION

Speaker Box	Polymer Engineering Plastics
Mesh	1060 Pure Aluminum, Hardened, Anti-Oxidation Treated
Tweeter Diaphragm	Natural Silk Membrane
Woofer Diaphragm	Polypropylene, Large Magnetic Circuit
Passive Radiator	Supported
Mounting Bracket	Cast Aluminum, Multi-Angle Adjustment
Available Colors	Black, White

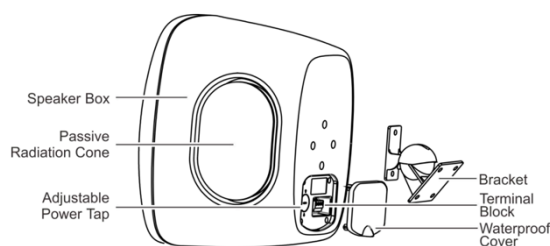
ENVIRONMENTAL

Waterproof Level	IP66
Operating Temperature	-20°C ~ +50°C

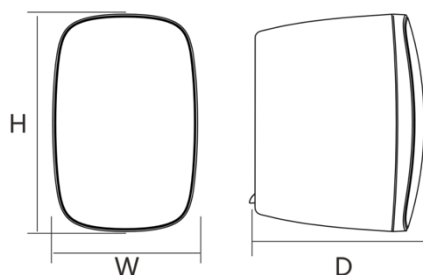
GENERAL

Dimensions (H×W×D)	300 × 200 × 233 mm
Net Weight (1PC)	4.3 kg
Gross Weight (2PCS/CTN)	12 kg

Product Information

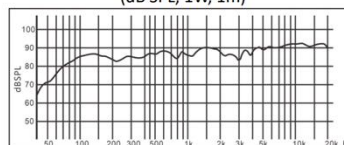


Product Breakdown Structure

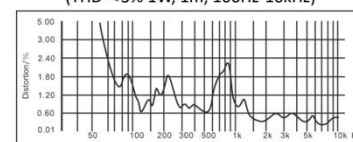


H	W	D
300	200	233

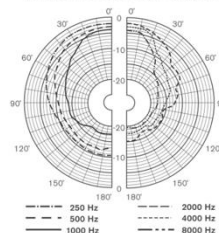
Frequency Response
(dB SPL, 1W, 1m)



Distortion
(THD < 3% 1W, 1m, 100Hz-10kHz)



Vertical Directivity Pattern



Horizontal Directivity Pattern

