

Surface-Mount Outdoor Speaker



SM52-EZ-WX PRODUCT SPECIFICATIONS

Impedance (Nominal) 1 8 Ω Sensitivity dB @ 2.83 V / 1 M 83 dB Sensitivity dB @ 1 W / 1 M 2 83 dB Frequency Response (±3 dB) 3 80 Hz - 20 kHz Frequency Response (±10 dB) 3 62 Hz - 22 kHz Max. Program Power 4 100 W Max. Continuous Power RMS 5 50 W Max. Power SPL @ 1 M RMS 5 100 dB Coverage Angle (±6 dB @ 2 kHz) 70° Horizontal 120° Vertical Coverage Angle (±6 dB @ 10 kHz) 70° Horizontal 110° Vertical Coverage Angle (±6 dB @ 10 kHz) 90° Horizontal 110° Vertical Aiming Angle 0° - 90° Directivity Factor (0) 6.9 (averaged 100 Hz - 10 kHz) 5.9 (2 kHz) Directivity Index (DI) 5.2 (averaged 100 Hz - 10 kHz) 7.7 (2 kHz) Tap Selector Six-position rotary switch with transformer bypass Low-Frequency Driver 1 x 133 mm (5.25″) polypropylene cone, butyl rubber surround High-Frequency Voice Coil 25.4 mm (1″) soft dome tweeter Low-Frequency Voice Coil 25.4 mm (1″) high temperature Kapton Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: Low Pass 12 dB per octave, 2nd order Helph-Frequency Material High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88″ Width 190.5 mm 7.5″ Depth (Without Bracket) 188.4 mm 6.63″ Weight 3.35 kg 7.4 lbs Packaging 0ne per box Included Accessories N/A IP-Rating IP65 Certifications CE, RoHS, UL 1480A, EN54	System Type	5.25", coaxial, surface-mount, sealed (with port plug installed) (32 W transformer for 25/70.7/100 V or transformer bypass)
Sensitivity dB @ 1 W / 1 M ² Frequency Response (±3 dB) ³ Frequency Response (±10 dB) ³ Frequency Response (±6 dB @ 2 kHz) Frequency Response (±6 dB @ 10 kHz) Frequency	Impedance (Nominal) 1	8 Ω
Frequency Response (±3 dB)³ 80 Hz - 20 kHz Frequency Response (±10 dB)³ 62 Hz - 22 kHz Max. Program Power ⁴ 100 W Max. Continuous Power RMS⁵ 50 W Max. Power SPL @ 1 M RMS ⁰ 100 dB Coverage Angle (±6 dB @ 2 kHz) 90° Horizontal 120° Vertical Coverage Angle (±6 dB @ 10 kHz) 70° Horizontal 110° Vertical Coverage Angle (46 dB @ 10 kHz) 95° Horizontal 110° Vertical Coverage Angle (Avg. 2-10 kHz) 95° Horizontal 110° Vertical Aiming Angle 0° - 90° Directivity Factor (Q) 6.9 (averaged 100 Hz - 10 kHz) 5.9 (2 kHz) Directivity Index (DI) 5.2 (averaged 100 Hz - 10 kHz) 7.7 (2 kHz) Tap Selector Six-position rotary switch with transformer bypass Low-Frequency Driver 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver 25.4 mm (1") soft dome tweeter Low-Frequency Voice Coil 25.4 mm (1") high temperature Kapton Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: High Pass 12 dB per octave, 2nd order Enclosure Material High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Included Accessories N/A IP-Rating P66	Sensitivity dB @ 2.83 V / 1 M	83 dB
Frequency Response (±10 dB) ³ Max. Program Power ⁴ Max. Continuous Power RMS ⁵ Max. Power SPL © 1 M RMS ⁶ Coverage Angle (±6 dB @ 2 kHz) Coverage Angle (±6 dB @ 10 kHz) Coverage Angle (±6 dB @ 10 kHz) Coverage Angle (wy. 2-10 kHz) Alming Angle O° - 90° Directivity Factor (0) Directivity Index (DI) Tap Selector Low-Frequency Driver 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver Low-Frequency Univer Low-Frequency Univer Low-Frequency Driver 1 x 134 mm (1") high temperature Kapton Crossover Frequency 3.5 kHz Network Type: High Pass 12 dB per octave, 2nd order High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) Included Accessories Included Accessories N/A IP-Rating IP65	Sensitivity dB @ 1 W / 1 M ²	83 dB
Max. Program Power 4 Max. Continuous Power RMS 5 Max. Power SPL @ 1 M RMS 6 Coverage Angle (±6 dB @ 2 kHz) Coverage Angle (±6 dB @ 10 kHz) Coverage Angle (Avg. 2-10 kHz) Aiming Angle O° - 90° Directivity Factor (0) Directivity Index (DI) Tap Selector Low-Frequency Driver 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver Low-Frequency Voice Coil Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) Included Accessories N/A IP-Rating 100 W 100 B 100 W 100 B 100 W 100 B 100	Frequency Response (±3 dB) ³	80 Hz - 20 kHz
Max. Continuous Power RMS ³ 50 W Max. Power SPL ❷ 1 M RMS ° 100 dB Coverage Angle (±6 dB @ 2 kHz) 90° Horizontal 120° Vertical Coverage Angle (±6 dB @ 10 kHz) 95° Horizontal 110° Vertical Coverage Angle (Avg. 2-10 kHz) 95° Horizontal 100° Vertical Aiming Angle 0° - 90° Directivity Factor (0) 6.9 (averaged 100 Hz - 10 kHz) 7.7 (2 kHz) Tap Selector Six-position rotary switch with transformer bypass Low-Frequency Driver 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver 25.4 mm (1") soft dome tweeter Low-Frequency Voice Coil 25.4 mm (1") high temperature Kapton Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: High Pass 12 dB per octave, 2nd order Enclosure Material High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Writth 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63"	Frequency Response (±10 dB) ³	62 Hz - 22 kHz
Max. Power SPL @ 1 M RMS ° 100 dB Coverage Angle (±6 dB @ 2 kHz) 90° Horizontal 120° Vertical Coverage Angle (±6 dB @ 10 kHz) 70° Horizontal 110° Vertical Coverage Angle (Avg. 2-10 kHz) 95° Horizontal 100° Vertical Aiming Angle 0° - 90° Directivity Factor (0) 6.9 (averaged 100 Hz - 10 kHz) 5.9 (2 kHz) Directivity Index (DI) 5.2 (averaged 100 Hz - 10 kHz) 7.7 (2 kHz) Tap Selector Six-position rotary switch with transformer bypass Low-Frequency Driver 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver 25.4 mm (1") soft dome tweeter Low-Frequency Voice Coil 25.4 mm (1") high temperature Kapton Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: High Pass 12 dB per octave, 2nd order Enclosure Material High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.8" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm	Max. Program Power ⁴	100 W
Coverage Angle (±6 dB @ 2 kHz) 70° Horizontal 120° Vertical 70° Horizontal 110° Vertical 70° Horizontal 110° Vertical 70° Horizontal 110° Vertical 95° Horizontal 110° Vertical 95° Horizontal 100° Vertical 100° - 90° 10	Max. Continuous Power RMS 5	50 W
Coverage Angle (±6 dB @ 10 kHz) Coverage Angle (Avg. 2-10 kHz) Aiming Angle Directivity Factor (Q) Directivity Factor (Q) Directivity Index (DI) Tap Selector Low-Frequency Driver 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver 25.4 mm (1") soft dome tweeter Low-Frequency Voice Coil Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Enclosure Material High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) Packaging One per box Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating	Max. Power SPL @ 1 M RMS ⁶	100 dB
Coverage Angle (Avg. 2-10 kHz) 95° Horizontal 100° Vertical Aiming Angle 0° - 90° Directivity Factor (Q) 6.9 (averaged 100 Hz - 10 kHz) 5.9 (2 kHz) Directivity Index (DI) 5.2 (averaged 100 Hz - 10 kHz) 7.7 (2 kHz) Tap Selector Six-position rotary switch with transformer bypass Low-Frequency Driver 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver 25.4 mm (1") soft dome tweeter Low-Frequency Voice Coil 25.4 mm (1") high temperature Kapton Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: High Pass 12 dB per octave, 2nd order Enclosure Material High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Coverage Angle (±6 dB @ 2 kHz)	90° Horizontal 120° Vertical
Aiming Angle 0° - 90° Directivity Factor (0) 6.9 (averaged 100 Hz - 10 kHz) 5.9 (2 kHz) Directivity Index (DI) 5.2 (averaged 100 Hz - 10 kHz) 7.7 (2 kHz) Tap Selector Six-position rotary switch with transformer bypass Low-Frequency Driver 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver 25.4 mm (1") soft dome tweeter Low-Frequency Voice Coil 25.4 mm (1") high temperature Kapton Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: High Pass 12 dB per octave, 2nd order High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Coverage Angle (±6 dB @ 10 kHz)	70° Horizontal 110° Vertical
Directivity Factor (Q) Directivity Index (DI) Directivity Index (DI) 5.2 (averaged 100 Hz - 10 kHz) 7.7 (2 kHz) Tap Selector Six-position rotary switch with transformer bypass Low-Frequency Driver 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver 25.4 mm (1") soft dome tweeter Low-Frequency Voice Coil 25.4 mm (1") high temperature Kapton Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: High Pass 12 dB per octave, 2nd order High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 7.4 lbs One per box Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating	Coverage Angle (Avg. 2-10 kHz)	95° Horizontal 100° Vertical
Directivity Index (DI) Tap Selector Six-position rotary switch with transformer bypass Low-Frequency Driver 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver 25.4 mm (1") soft dome tweeter Low-Frequency Voice Coil 25.4 mm (1") high temperature Kapton Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: High Pass 12 dB per octave, 2nd order High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Aiming Angle	0° - 90°
Tap Selector Six-position rotary switch with transformer bypass 1 x 133 mm (5.25") polypropylene cone, butyl rubber surround High-Frequency Driver 25.4 mm (1") soft dome tweeter Low-Frequency Voice Coil 25.4 mm (1") high temperature Kapton Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: High Pass 12 dB per octave, 2nd order High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Directivity Factor (Q)	6.9 (averaged 100 Hz - 10 kHz) 5.9 (2 kHz)
Low-Frequency Driver	Directivity Index (DI)	5.2 (averaged 100 Hz - 10 kHz) 7.7 (2 kHz)
High-Frequency Driver Low-Frequency Voice Coil 25.4 mm (1") high temperature Kapton 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: High Pass 12 dB per octave, 2nd order High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Included Accessories Included Accessories N/A IP-Rating P65	Tap Selector	Six-position rotary switch with transformer bypass
Low-Frequency Voice Coil25.4 mm (1") high temperature KaptonCrossover Frequency3.5 kHzNetwork Type: Low Pass12 dB per octave, 2nd orderNetwork Type: High Pass12 dB per octave, 2nd orderEnclosure MaterialHigh Impact Polystyrene (HIPS)GrilleAluminum with powder-coat finishInputsCeramic terminal stripColorsBlack or white (custom colors available)Height301.8 mm 11.88"Width190.5 mm 7.5"Depth (Without Bracket)168.4 mm 6.63"Weight3.35 kg 7.4 lbsPackagingOne per boxIncluded AccessoriesSafety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushingOptional AccessoriesN/AIP-RatingIP65	Low-Frequency Driver	1 x 133 mm (5.25") polypropylene cone, butyl rubber surround
Crossover Frequency 3.5 kHz Network Type: Low Pass 12 dB per octave, 2nd order Network Type: High Pass 12 dB per octave, 2nd order Enclosure Material High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Included Accessories Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	High-Frequency Driver	25.4 mm (1") soft dome tweeter
Network Type: Low Pass12 dB per octave, 2nd orderNetwork Type: High Pass12 dB per octave, 2nd orderEnclosure MaterialHigh Impact Polystyrene (HIPS)GrilleAluminum with powder-coat finishInputsCeramic terminal stripColorsBlack or white (custom colors available)Height301.8 mm 11.88"Width190.5 mm 7.5"Depth (Without Bracket)168.4 mm 6.63"Weight3.35 kg 7.4 lbsPackagingOne per boxIncluded AccessoriesSafety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushingOptional AccessoriesN/AIP-RatingIP65	Low-Frequency Voice Coil	25.4 mm (1") high temperature Kapton
Network Type: High Pass12 dB per octave, 2nd orderEnclosure MaterialHigh Impact Polystyrene (HIPS)GrilleAluminum with powder-coat finishInputsCeramic terminal stripColorsBlack or white (custom colors available)Height301.8 mm 11.88"Width190.5 mm 7.5"Depth (Without Bracket)168.4 mm 6.63"Weight3.35 kg 7.4 lbsPackagingOne per boxIncluded AccessoriesSafety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushingOptional AccessoriesN/AIP-RatingIP65	Crossover Frequency	3.5 kHz
Enclosure Material High Impact Polystyrene (HIPS) Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating High Impact Polystyrene (HIPS) Aluminum with powder-coat finish 168.4 mile (custom colors available) 301.8 mm 11.88" 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing	Network Type: Low Pass	12 dB per octave, 2nd order
Grille Aluminum with powder-coat finish Inputs Ceramic terminal strip Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Included Accessories Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Network Type: High Pass	12 dB per octave, 2nd order
Colors Black or white (custom colors available)	Enclosure Material	High Impact Polystyrene (HIPS)
Colors Black or white (custom colors available) Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Included Accessories Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating Black or white (custom colors available) 301.8 mm 11.88" 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing	Grille	Aluminum with powder-coat finish
Height 301.8 mm 11.88" Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Included Accessories Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Inputs	Ceramic terminal strip
Width 190.5 mm 7.5" Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Included Accessories Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Colors	Black or white (custom colors available)
Depth (Without Bracket) 168.4 mm 6.63" Weight 3.35 kg 7.4 lbs Packaging One per box Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating 168.4 mm 6.63" Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing N/A	Height	301.8 mm 11.88"
Weight 3.35 kg 7.4 lbs Packaging One per box Included Accessories Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Width	190.5 mm 7.5"
Packaging One per box Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Depth (Without Bracket)	168.4 mm 6.63"
Included Accessories Safety cable with speaker mounting bolt, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Weight	3.35 kg l 7.4 lbs
plug, Allen wrench, and watertight strain-relief bushing Optional Accessories N/A IP-Rating IP65	Packaging	One per box
IP-Rating IP65	Included Accessories	
	Optional Accessories	N/A
CE, RoHS, UL 1480A, EN54	IP-Rating	IP65
	Certifications	CE, RoHS, UL 1480A, EN54

Description

The SM52-EZ-WX is a cost-effective, high-efficiency surface-mount loudspeaker for distributed or 8 Ω applications. The SM52-EZ-WX is designed for extreme weather resistance is rated for high levels of protection against both water and dust. The SM52-EZ-WX incorporates a dedicated 5.25" polypropylene woofer and an offset 1" soft dome tweeter with waveguide to deliver superb intelligibility for background to foreground music and messaging (up to 100 dB max. SPL).

The SM52-EZ-WX uses a 32 W low-insertion loss transformer and a six-position tap switch with a transformer bypass position. Mounting for the SM52-EZ-WX includes a pre-mountable U-bracket for fast, secure installation and easy division of labor.

Features

- The SM52-EZ-WX is a cost-conscious, weatherresistant, surface-mount loudspeaker.
- BroadBeam Ring[™] technology for midrange clarity and ultra-wide off-axis performance up to 10 kHz for maximum coverage area per speaker.
- One 5.25" (133 mm) polypropylene woofer and one 1" (25.4 mm) soft dome tweeter.
- Extreme weather resistance with IP65 ingress protection rating allows use in challenging outdoor conditions.
- 83 dB average sensitivity offers high output capabilities and reduced amplification costs.
- Easy access, six-position selectable tap switch for 25, 70.7, and 100 V applications with transformer bypass position.
- Aluminum grille with powder-coat finish.
- Vertical and horizontal mounting offer precision aiming for indoor and outdoor applications.
- UL 1480A and EN54 approved.
- High-quality black or white paint finish.
- Included accessories: safety cable, wall-mount bracket, port plug, Allen wrench, and watertight strain-relief bushing.

¹ Impedance listed per IEC 60268-5

² 1 W/1 M sensitivity determined using nominal impedance

³ Frequency response measured in half or full space as dictated by speaker mounting configuration

⁴ Max program power is 3 dB above max continuous power

⁵ Continuous power rating, EIA-426-B test

⁶ Max output based on max continuous power



Surface-Mount Outdoor Speaker

Transformer Taps

70.7 V	Output	100 V	Output	25 V	Output
32 W	98 dB	32 W	98 dB	4 W	89 dB
16 W	95 dB	16 W	95 dB	2 W	86 dB
8 W	92 dB	8 W	92 dB	1 W	83 dB
4 W	89 dB	4 W	89 dB	0.5 W	80 dB
2 W	86 dB				

Applications

Designed for damp outdoor background to mid-level SPL surface-mount applications. The system includes a detachable mounting bracket designed for premounting in surface-mounting applications. The full-frequency dispersion pattern and high sensitivity make the SM52-EZ-WX surface-mount speaker ideal for music and paging in retail, amusement, restaurant, airports, hotels, schools, and casinos. For applications where addition bass is required, SoundTube's RS1001i-II-T provides bass down to 41 Hz (±10 dB).

Patented Technologies

SoundTube Entertainment and the MSE Audio Group constantly develop new technologies which enhance audio product performance. SoundTube Entertainment innovations are protected by multiple U.S. and international patents, which explicitly cover SoundTube dome, enclosure and dispersion technologies. The MSE Audio Group actively defends its patents in order to protect SoundTube resellers and end-users.

Technical Data and Specification Tools

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data is available from SoundTube Entertainment or at www.soundtube.com.

Technical data and downloads include:

- EASE[™] data 3-D polar plots.
- EASE[™] Address 2-D modeling for distributed systems
- AutoDesk® Revit® software
- Tech Sheets technical information and architectural specs for system engineers
- SoundTubeSPEC[™] Proprietary speaker placement software

Independent Data Acquisition and Verification

All data for SoundTube speakers is independently collected from and verified by NWAA Labs (www.nwaalabs.com) using their proprietary MACH testing system. All data is collected and analyzed according to ASTM, ISO and AES standards using EASERA, TEF and MLSSA. Full balloon data including both phase and magnitude is compiled into a variety of formats including EASE 4.x, GLL and CLF.

Architectural Specifications

The loudspeaker shall consist of a 133 mm (5.25") low-frequency transducer and a 25.4 mm (1") high-frequency transducer with a frequency dividing network installed in a vented enclosure. The low-frequency voice coil diameter shall be 25.4 mm (1"). The high-frequency transducer shall be constructed of silk material with a proprietary BroadBeam Ring™ waveguide.

Performance specifications of a typical production unit shall be as follows: Usable frequency response shall extend from 62 Hz - 22 kHz (± 10 dB, half space, independently verified). Measured sensitivity (2.83 V input, 1 meter) shall be at least 83 dB. The speaker shall have a nominal impedance of 8 Ω and be available for 25, 70.7, and 100 V modes with transformer bypass. The frequency dividing network shall have a crossover frequency of 3.5 kHz with slopes of 12 dB per octave (2nd order) for both low and high pass filters. Rated power capacity shall be at least 50 W continuous (RMS) and conform to EIA-426-B testing. Maximum continuous output at 1 M shall be 100 dB.

Installation and safety attachment for the speaker shall be by stainless steel U-bracket affixed to the speaker chassis with steel insert. For safety redundancy, a secondary cable shall be included and attached to the speaker chassis.

The external wiring input connector shall be via 4-position ceramic terminal strip, accepting up to 8-gauge wire. The system shall be for indoor/outdoor applications and shall include a weather-resistant cover over all wire connections.

The enclosure shall be constructed of injection-molded, High Impact Polystyrene (HIPS). The grille shall be constructed of powder-coated aluminum for lasting performance. Overall cabinet dimensions shall be no more than 301.8 mm (11.88") in height by 190.5 mm (7.5") in width by 168.4 mm (6.63") in depth (without SM bracket). The unit shall include port plug, Allen wrench and watertight strain-relief bushing.

The speaker shall carry an ingress protection rating of IP65.

The system shall be the SoundTube SM52-EZ-WX for both low and high impedance applications.

SoundTube®

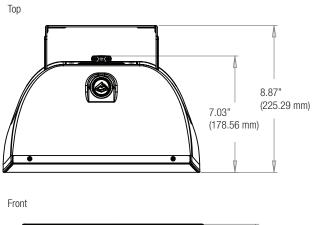
13720 W. 109th St. Lenexa, KS 66215 Phone: 913.663.5600 Fax: 913.663.3200 Toll Free: 855.663.5600 www.mseaudio.com

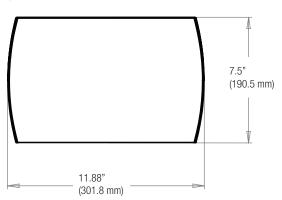
All SoundTube speakers come with a 5-year limited warranty and 3-year warranty on all electronics.

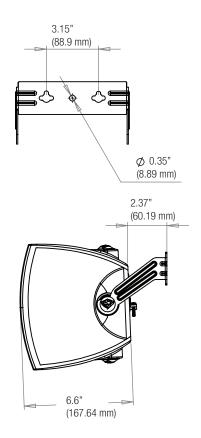


Surface-Mount Outdoor Speaker

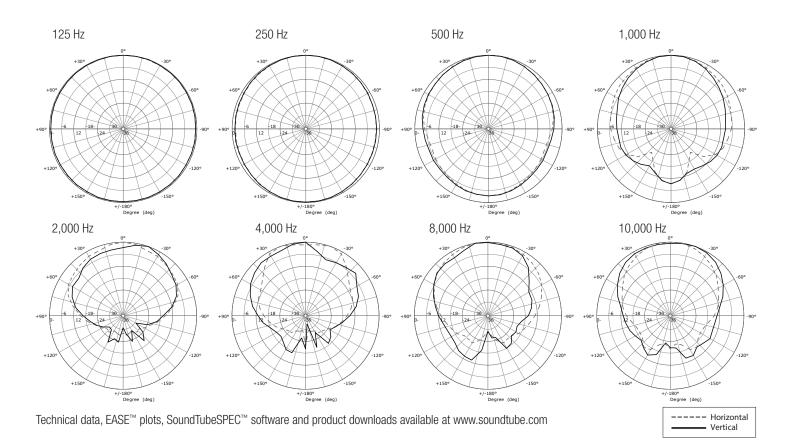
Mechanical Drawings







Plots

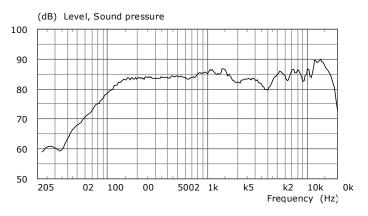




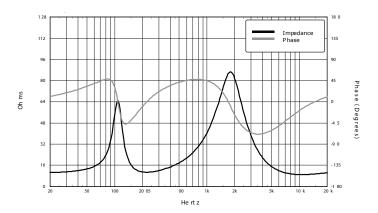
Surface-Mount Outdoor Speaker

Graphs

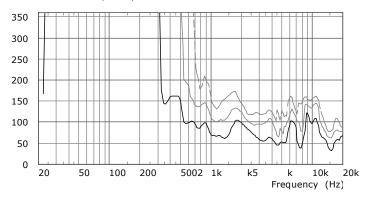
Frequency Response



Phase/Impedance Response



Vertical Beamwidth (±6 dB)



Directivity Index (DI)

