

# RoomMatch® Utility RMU108

## small-format under-balcony fill loudspeaker



### Key Features

**Award-winning RoomMatch sound** – now in smaller, 2-way, point-source designs for high-level foreground music, under-balcony, zone-fill and vocal-range floor monitor applications

**Bose EMB2 compression driver** – for lower distortion and improved vocal clarity compared to conventional foreground/fill models; also provides consistent mid/high sonic character compared to that of RoomMatch full-range and other RoomMatch Utility models

**90° x 60° constant-directivity high-frequency horn** – gives wide, even coverage and may be rotated in enclosure

**1 x Bose LF8 8-inch woofers** – with 2.0-inch long-excursion voice coil extends response to 80 Hz for lowest vocal range

**80 Hz – 16 kHz frequency response and 121 dB maximum peak SPL** – deliver the performance required for most demanding applications

**Flexible mounting with included U-bracket** – rear enclosure panel also includes 4 x M8 threaded inserts in 5.0" x 2.75" (127mm x 70mm) pattern to accept third-party accessory mounting brackets

### Product Overview

The RoomMatch Utility RMU108 small-format sound reinforcement loudspeaker is intended for use in high-quality foreground music, under-balcony, zone fill and vocal-range floor monitor applications. The design features a single Bose® EMB2 compression driver to provide mid/high frequency voicing similar to that of RoomMatch full-range array modules and all RoomMatch Utility models. A single 8-inch woofer provides full-range output and a multi-angle enclosure with rotatable high-frequency waveguide increases mounting flexibility.

### Technical Specifications

System Performance		
Frequency Response (+/-3 dB) <sup>1</sup>	90 Hz - 16 kHz	
Frequency Range (-10 dB)	80 Hz - 16 kHz	
Recommended High-Pass Protection Filter	80 Hz with minimum 12-dB / octave filter	
Nominal Coverage Pattern (H x V)	90° x 60° (rotatable high-frequency horn)	
Crossover Type	passive (1.5 kHz crossover frequency)	
	Bose extended-lifecycle test <sup>4</sup>	AES transducer test <sup>5</sup>
Power Handling, long-term continuous	200 W	250 W
Power Handling, Peak	800 W	1000 W
Sensitivity (SPL / 1 W @ 1 m) <sup>2</sup>	91 dB	91 dB
Calculated Maximum SPL @ 1 m <sup>3</sup>	114 dB	115 dB
Calculated Maximum SPL @ 1 m, peak <sup>4</sup>	120 dB	121 dB
Transducers		
Low Frequency	1 x Bose LF8 high-excursion 8-inch woofers (2-inch voice coil)	
High Frequency	1 x Bose EMB2 extended-midband high-frequency compression driver (2-inch voice coil)	
Nominal Impedance	8 Ω	
Physical		
Finish	Two-part spray polyurethane coating, black or white	
Grille	18-gauge (1.2 mm) perforated steel, powder-coated finish, black or white	
Environmental	Indoor use only	
Connectors	Indoor use only	
Suspension / Mounting	2 x M8 threaded inserts (1 each side) for U-bracket; 4 x M8 threaded inserts on rear surface (127 x 70 mm, 4-bolt pattern), 2 x M8 threaded inserts on bottom for stand adapter	
Net Weight	21 lbs (9.5 kg) / 26 lbs (11.8 kg) with U-bracket	
Shipping Weight	xx lbs (yy.y kg)	
Product Code		
Black	638349-0110	
White	638349-0210	

**Footnotes:**

- 1 Frequency response and range measured on-axis with passive crossover in an anechoic environment.
- 2 Sensitivity measured in half-space boundary conditions with passive EQ, referenced to 1W/m.
- 3 Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression.
- 4 Bose extended-lifecycle test using pink noise filtered to meet IEC268-5, 6-dB crest factor, 500-hour duration.
- 5 AES standard 2-hour duration with IEC system noise.

