

# RoomMatch Utility RMU206

## 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, and zone-fill 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 to that of RoomMatch full-range and other RoomMatch Utility models

**Minimal height for under-balcony or low-ceiling mounting** – unique enclosure baffle design provides minimum projected height for under-balcony or low-ceiling mounted applications

**120° x 60° constant-directivity high-frequency horn** – gives wide, even coverage and may be rotated in enclosure. Can reduce the number of speakers required for under-balcony applications

**2 x Bose LF6 6.5-inch woofers** – with extended-excursion voice coils extend response to 80 Hz for lowest vocal range

**Quasi-3-way passive crossover with separate filters for each transducer** – provides more consistent frequency and polar response compared to conventional crossover designs

**80 Hz – 16 kHz frequency response and 122 dB maximum peak SPL** – deliver the performance required for most demanding under-balcony and zone-fill 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 RMU206 small-format under-balcony fill loudspeaker features a unique angled baffle enclosure design to minimize the projected height for typical under-balcony and low-ceiling zone-fill applications. The design also 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. Two 6.5-inch woofers provide vocal-range output and a 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)	120° x 60° (rotatable high-frequency horn)	
Crossover type	passive separate bandpass filters per transducer (300 Hz and 1 kHz)	
	Bose extended-lifecycle test <sup>4</sup>	AES transducer test <sup>5</sup>
Power Handling long-term continuous	200	200
Power Handling Peak	800	1000
Sensitivity (P = 1 W, 1 m) <sup>2</sup>	92 dB	92 dB
Calculated maximum P = 1 m <sup>3</sup>	11 dB	116 dB
Calculated maximum P = 1 m peak	121 dB	122 dB
Transducers		
Low Frequency	2 Bose LF6 high-excursion 6.5-inch woofers (1.5-inch voice coil)	
High Frequency	1 Bose EMB2 extended-mid and high-frequency compression driver (2-inch voice coil)	
Nominal Impedance	8	



TECHNICAL DATA SHEET

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Physical	
Finish	wo-part spray polyurethane coating    lack or white
grille	18-gauge (1.2 mm) perforated steel    powder-coated finish    lack or white
Environmental	indoor use only
Connectors	2 Neutrik N and 1 carrier strip    wired parallel
Mounting / Mounting	2    8 threaded inserts (1 each side) for    - rack    8 threaded inserts on rear surface (12    0 mm    - olt pattern)
Dimensions	H 218    9    (191 mm    2 mm    21 mm)
Net weight	2 lbs (1.13 kg) / 29 lbs (13.2 kg) with    - rack
Shipping weight	lbs (yy y kg)
Product Code	
Black	638392-0110
White	638392-0210

### Footnotes:

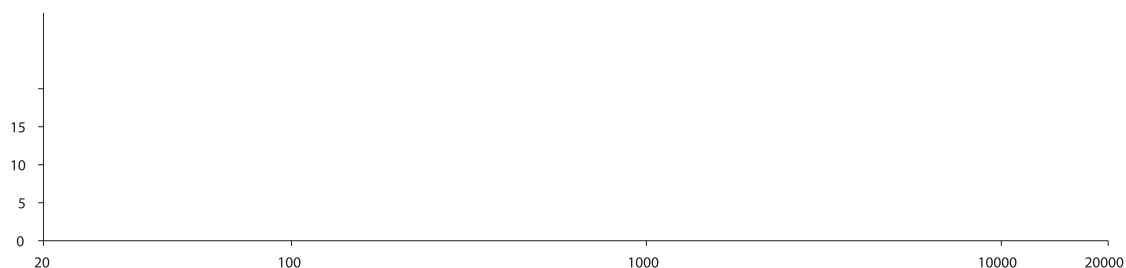
- 1 Frequency response and range measured on-axis with passive crossover in an anechoic environment.
- 2 Sensitivity measured in half-space boundary conditions with passive EQ, referenced to 1W/m.
- 3 Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression.
- 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.

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## Directivity Index and Q



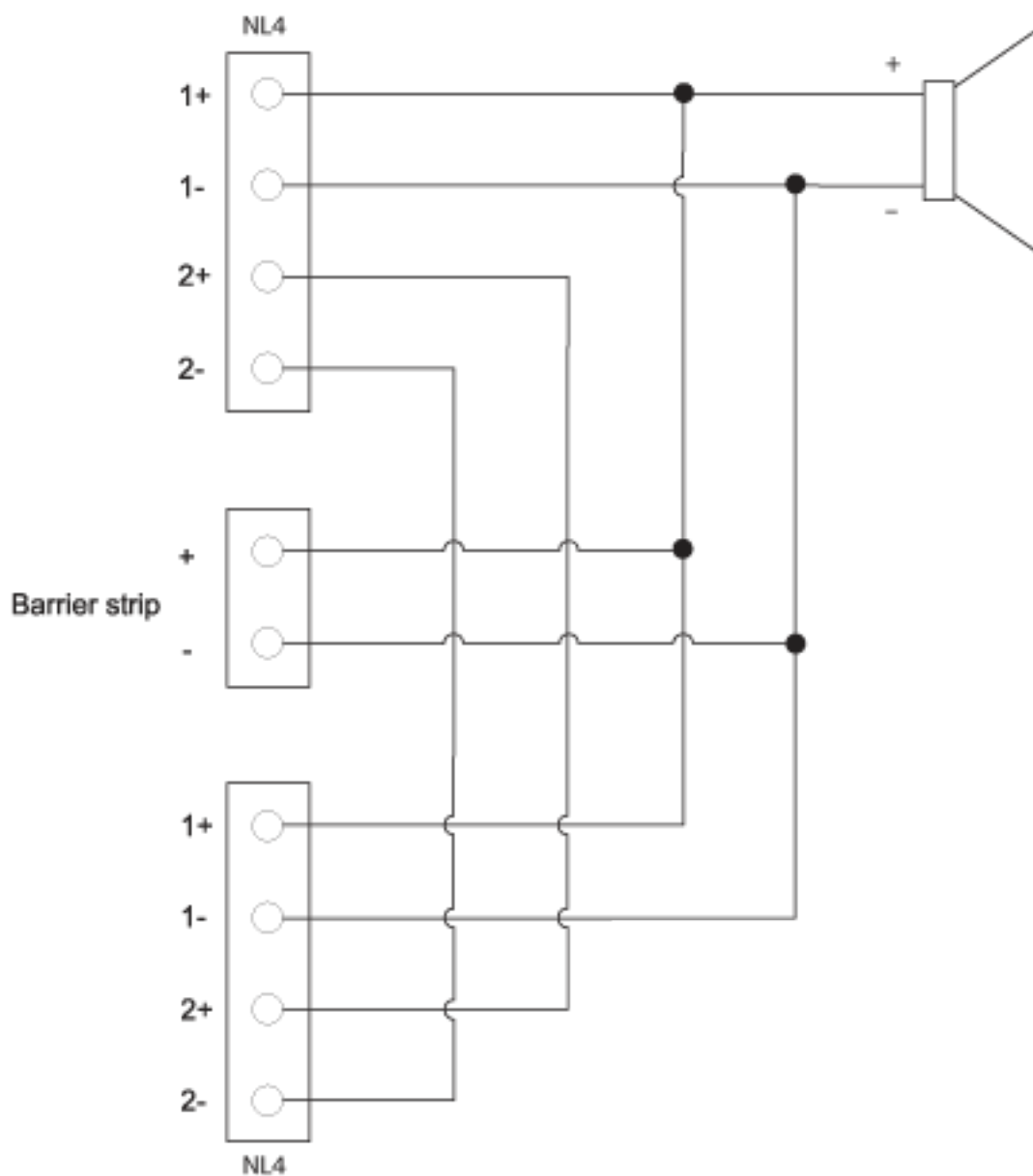
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**BOSE**

## Wiring Diagram



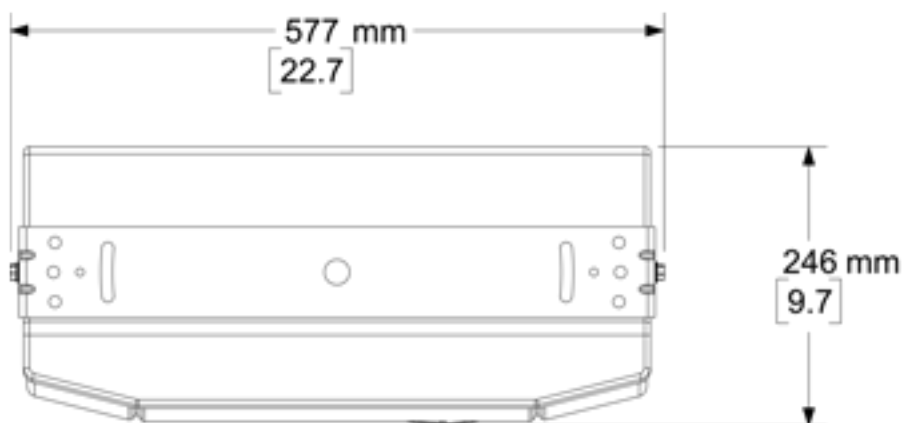
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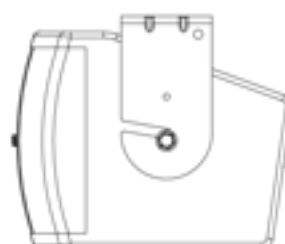
## Mechanical Diagrams



Top View



Front View



Right View

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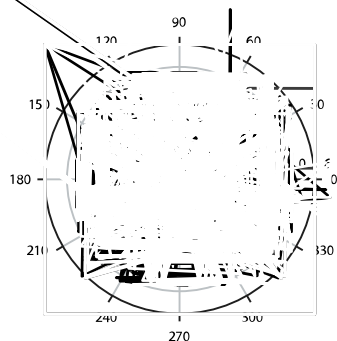


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## Vertical Plots



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