

# 1 Series 104

Compact Powered Desktop Reference Monitors



## HIGHLIGHTS ■

### Coaxial driver design

with 4.5-inch (118 mm) LF driver and .75-inch (19 mm) soft-dome HF driver

### Integrated 60-watt Class D power amplifier

distributes 30 watts to each speaker

### Acoustically optimized

for desktop placement

### Three sets of inputs

allow connection with professional equipment, personal music players and consumer products

### Smart features

include front-panel volume control and headphone jack with automatic speaker mute

JBL 104 compact, full-range, powered reference monitors draw from seven decades of JBL Professional engineering to deliver the truest, most accurate sonic presentation of any monitor in their class. Ideal for home recording enthusiasts, podcasters and video producers, as well as professionals seeking accurate portable reference monitors, JBL 104s combine powerful 4.5-inch (118 mm) low-frequency drivers with coaxial .75-inch (19 mm) soft-dome tweeters, potent 60-watt amplification and innovative acoustic design to provide exceptional imaging, neutral frequency response and crisp detail in our smallest, most affordable reference monitor yet. With their sleek, elegant design and compact form factor, they'll make a stunning statement in any home or pro studio while conserving valuable work space.

Creative professionals and music lovers alike can count on the JBL 104 to deliver a reliable sonic reference and a truly enjoyable listening experience, at an attractive \$149 price point.

## KEY MESSAGES ■

### TRUST THE TRANSPARENCY

With JBL 104 Reference Monitors, you'll hear true clarity and detail, without coloration. The 104s deliver crisp highs and rich bass just as they were intended, at any volume level; they're optimized for desktop placement, to deliver accuracy even in crowded workspaces. And their smooth off-axis response means you can monitor with confidence in a wide sweet spot.

### PRO PERFORMANCE, SCALED TO SIZE

The world's top recording studios and touring artists rely on JBL Professional monitors to deliver unparalleled fidelity and performance. Now, we've optimized that technology in our smallest form factor ever: our innovative new coaxial driver design features a high frequency driver aligned with a woofer cone precisely contoured to deliver accurate response, exceptional detail and impressive off-axis performance, for the most neutral, accurate presentation, desktop to desktop, room to room. Its low-frequency port works with the driver to provide accurate bass at all listening levels.

### POWER AND PUNCH

The JBL 104's integrated 60-watt Class D power amplifier distributes a potent 30 watts per speaker.

### STREAMLINE YOUR SESSIONS

The JBL 104 Reference Monitor integrates smoothly into any production workspace, thanks to smart features like a front-panel volume control that allows convenient level adjustments without straying from the sweet spot, and a front-panel headphone jack that automatically mutes the speakers, giving you isolation in one simple step. And, the 1 Series 104's dual 1/4-inch balanced, dual RCA and single 1/8-inch inputs accommodate a wide range of sources.

# 1 Series 104

## Compact Powered Desktop Reference Monitors



### FEATURES ■

- Coaxial 4.5-inch (118 mm) LF driver and .75-inch (19 mm) soft-dome HF driver
- Contoured low-frequency port
- Integrated 60-watt Class D power amplifier; 30 watts distributed to each speaker
- Acoustically optimized for desktop placement
- Three sets of inputs allow connection with professional equipment, personal music players and consumer products
- Front-panel volume control
- Front-panel headphone jack with speaker mute feature

### INCLUDED ACCESSORIES ■

- Extension monitor speaker wire (2-conductor, 2 meters)
- 3.5 mm to RCA audio cable
- Regional power cable
- Quick setup guide

### ORDER SPECIFICATIONS ■

**SHIPPING CARTON (L x W x H):** 12.99 x 8.54 x 13.46 in (330 x 217 x 342 mm)  
**SHIPPING WEIGHT:** 10.56 lb (4.8 kg)  
**UPC CODE:** 691991015519

### SPECIFICATIONS ■

<b>SYSTEM INPUT TYPE:</b>	1/8" Aux, RCA, 1/4" TRS balanced
<b>SYSTEM OUTPUT TYPE:</b>	1/8" stereo headphone with auto speaker mute
<b>LF TRANSDUCER:</b>	4.5 in (118 mm)
<b>HF TRANSDUCER:</b>	0.75 in (19 mm), soft dome
<b>ENCLOSURE TYPE:</b>	Ported
<b>CROSSOVER:</b>	1725 Hz, 1st order
<b>POWER AMP:</b>	60 W (30 W each speaker), Class D
<b>SENSITIVITY:</b>	88 dB SPL @ 1 m with -10 dBV Aux In (Volume = Max)
<b>SYSTEM MAXIMUM SPL*:</b>	92 dB (continuous power measured)
<b>SYSTEM PEAK SPL*:</b>	102 dB (pink noise, 12 dB crest factor)
<b>MAXIMUM SPL, MOMENTARY PEAK*:</b>	104 dB
<b>MAXIMUM PEAK INPUT LEVEL (-10 dBV / +4 dBu):</b>	+6 dBV / +20.3 dBu
<b>FREQUENCY RANGE (-3 dB SPL)**:</b>	88 Hz – 20 kHz
<b>FREQUENCY RANGE (-10 dB SPL)**:</b>	60 Hz – 20 kHz
<b>SYSTEM RATED IMPEDANCE:</b>	8 Ω
<b>MINIMUM IMPEDANCE:</b>	7.8 Ω @ 260 Hz
<b>CABINET TUNING FREQUENCY:</b>	72 Hz
<b>SYSTEM POWER HANDLING:</b>	30 W x 2 @ 100 hours, IEC/SMS
<b>SYSTEM DISTORTION CRITERIA:</b>	<10% THD at maximum output with full compressor / limiter engagement
<b>ELECTRICAL DISTORTION CRITERIA:</b>	<0.2% THD @ 1 kHz, 2.83 VRMS output; <1% THD @ 1 kHz, full rated output
<b>SIGNAL TO NOISE RATIO:</b>	75 dBA (A-Weighted), 70 dB (unweighted), relative to 2.83 VRMS output on HF
<b>COVERAGE (HORIZONTAL x VERTICAL):</b>	120° x 60°
<b>SYSTEM POLARITY:</b>	EIA
<b>ACOUSTIC TEST SPECIFICATION:</b>	ATS# 1000340443
<b>AC INPUT VOLTAGE:</b>	100 – 240 VAC (± 10%), 50 / 60 Hz
<b>CURRENT DRAW:</b>	85 watts
<b>ELECTRICAL CURRENT DRAW (W) IDLE 100 / 240 VAC:</b>	3.52 / 3.70
<b>ELECTRICAL CURRENT DRAW (W) MAX POWER 100 / 240 VAC:</b>	80 / 80
<b>ELECTRICAL CURRENT DRAW (W) LOW-POWER STANDBY MODE 100 / 240 VAC:</b>	0.34 / 0.46
<b>ENCLOSURE MATERIAL:</b>	ABS with metal grille
<b>ENCLOSURE FINISH:</b>	Matte black acrylic paint
<b>HEIGHT:</b>	9.72 in (247 mm)
<b>WIDTH:</b>	6.02 in (153 mm)
<b>DEPTH***:</b>	4.88 in (124 mm)
<b>NET WEIGHT:</b>	Master Monitor: 4.54 lb (2.06 kg); Slave Monitor: 3.81 lb (1.73 kg)
<b>DISPLAY CARTON (H x W x D):</b>	13.14 x 8.22 x 12.4 in (334 x 209 x 315 mm)
<b>SHIPPING CARTON (H x W x D):</b>	13.46 x 8.54 x 12.99 in (342 x 217 x 330 mm)
<b>SHIPPING GROSS WEIGHT:</b>	10.56 lb (4.8 kg)

\* Measured using full-bandwidth pink noise, C-Weighted

\*\* Measured in half space

\*\*\* Depth measured without power cord and audio connectors (typical power cord = 2 inches, typical audio connector = 2.5 inches)



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