

1 Series 104-BT(W)

Compact Desktop Reference Monitors with Bluetooth®



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 and built-in Bluetooth

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

Smart features

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

JBL 104-BT and 104-BTW compact reference monitors with Bluetooth, the newest models in the 1 Series line, draw from seven decades of JBL Professional engineering to deliver the truest, most accurate sound in their class. They're perfect for recording musicians, producers, podcasters and vloggers, as well as professional audio engineers seeking an accurate portable reference with Bluetooth streaming.

Both the black 104-BT and white 104-BTW versions are sleek, elegant designs with compact form factors, making stunning statements in any studio while conserving valuable work space.

Creative professionals, music lovers and anyone who wants the flexibility to stream both wired and wireless sound into high-quality studio monitors can count on JBL 104-BT(W) to provide an accurate, reliable sonic reference and a truly enjoyable listening experience.

KEY MESSAGES ■

TRUST THE TRANSPARENCY

Great mixes start with honest mix references. With JBL 104-BT(W), you'll hear the content you've created in true clarity and detail, with none of the coloration that can compromise your mix decisions. 104-BT(W)s are optimized for desktop placement, and their smooth off-axis response means you can reference your mixes confidently across 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. With our 1 Series, we've optimized that technology in our smallest form factor ever. The 104-BT(W) Reference Monitor's innovative 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. The result: neutral, accurate sound, anywhere. The cabinet's precisely contoured low-frequency port works with the driver to deliver powerful, tight bass at any volume level.

THE BLUETOOTH ADVANTAGE

The 104-BT(W) offers the convenience of Bluetooth streaming, which gives audio engineers the ability to check their mixes over Bluetooth to ensure they translate well to common listening scenarios.

STREAMLINE YOUR SESSIONS

JBL 104-BT(W) Reference Monitors integrate smoothly into any production workspace, thanks to smart features like a front-panel input control that selects Bluetooth, Aux, RCA, TRS or combines all inputs—quickly check references or switch easily between tasks like playing back your tracks and staying attentive to phone notifications. Or, select all inputs for a simplified experience. Front-panel volume control allows convenient level adjustments without straying from the sweet spot, and a front-panel headphone jack automatically mutes the speakers, giving you isolation in one simple step. And, JBL 104-BT(W) Reference Monitors' dual 1/4-inch balanced, dual RCA and single 1/8-inch inputs accommodate a wide range of signal sources.

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FEATURES ■

- Proprietary coaxial driver combines 4.5-inch (118 mm) woofer and .75-inch (19 mm) soft-dome tweeter for transparency and wide sweet spot
- Reference mixes via Bluetooth 5.0 streaming
- Integrated 60-watt Class D power amplifier; 30 watts distributed to each speaker
- Acoustically optimized for desktop placement
- Molded ABS cabinet with contoured low-frequency port
- Three sets of inputs allow connection with professional equipment, personal music players and consumer devices
- Master monitor includes electronics for the extension monitor, minimizing wiring and clutter
- Front-panel input control selects Bluetooth, Aux, RCA, TRS or combines all inputs
- Front-panel volume control and headphone jack with speaker mute feature
- Available in black (104-BT) and white (104-BTW) variants

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 ■

DISPLAY CARTON (L x W x H):	11.81 x 8.07 x 13.19 in (300 x 205 x 335 mm)
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:	104-BT: 691991016769 104-BTW: 691991033704

SPECIFICATIONS ■

SYSTEM INPUT TYPE:	Bluetooth, 1/8" Aux, RCA, 1/4" TRS balanced
INPUT SELECTION OPTIONS:	Bluetooth, Aux, RCA, TRS, All
SYSTEM OUTPUT TYPE:	1/8" stereo headphone with auto speaker mute
BLUETOOTH VERSION:	5.0
LF TRANSDUCER:	4.5 in (118 mm)
HF TRANSDUCER:	0.75 in (19 mm), soft dome
ENCLOSURE TYPE:	Ported
CROSSOVER:	1725 Hz, 1st order
POWER AMP:	60 W (30 W each speaker), Class D
SENSITIVITY:	87 dB SPL @ 1 m with -10 dBV Aux In (Volume = Max)
MAXIMUM CONTINUOUS SPL*:	89 dB
SYSTEM PEAK SPL*:	102 dB (pink noise, 12 dB crest factor)
MAXIMUM SPL, MOMENTARY PEAK*:	104 dB
MAXIMUM PEAK INPUT LEVEL (-10 dBV / +4 dBu):	+6 dBV / +20.3 dBu
FREQUENCY RANGE (-3 dB SPL)**:	88 Hz – 20 kHz
FREQUENCY RANGE (-10 dB SPL)**:	60 Hz – 20 kHz
SYSTEM RATED IMPEDANCE:	8 Ω
MINIMUM IMPEDANCE:	7.8 Ω @ 260 Hz
CABINET TUNING FREQUENCY:	72 Hz
SYSTEM POWER HANDLING:	30 W x 2 @ 100 hours, IEC/SMS
SYSTEM DISTORTION CRITERIA:	<10% THD at maximum output with full compressor / limiter engagement
ELECTRICAL DISTORTION CRITERIA:	<0.2% THD @ 1 kHz, 2.83 VRMS output; <1% THD @ 1 kHz, full rated output
SIGNAL TO NOISE RATIO:	75 dBA (A-Weighted), 70 dBr (unweighted), relative to 2.83 VRMS output on HF
COVERAGE (HORIZONTAL x VERTICAL):	120° x 60°
SYSTEM POLARITY:	EIA
ACOUSTIC TEST SPECIFICATION:	ATS# 1000340443
AC INPUT VOLTAGE:	100 – 240 VAC (±10%), 50 / 60 Hz
CURRENT DRAW:	85 watts
ELECTRICAL CURRENT DRAW (W) IDLE 100 / 240 VAC:	3.52 / 3.70
ELECTRICAL CURRENT DRAW (W) MAX POWER 100 / 240 VAC:	80 / 80
ELECTRICAL CURRENT DRAW (W) LOW-POWER STANDBY MODE 100 / 240 VAC:	0.34 / 0.46
ENCLOSURE MATERIAL:	ABS with metal grille
ENCLOSURE FINISH:	104-BT: Matte black acrylic paint; 104-BTW: Matte white acrylic paint
HEIGHT:	9.72 in (247 mm)
WIDTH:	6.02 in (153 mm)
DEPTH***:	4.88 in (124 mm)
NET WEIGHT:	Master Monitor: 4.54 lb (2.06 kg); Slave Monitor: 3.81 lb (1.73 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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