

**EUROLIVE**

**B512DSP**

# Technical Specifications

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# EUROLIVE

## Digital Processor-Controlled 600-Watt 12" PA Speaker System with Integrated Mixer

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- ▲ High-power 600-Watt 2-way PA sound reinforcement speaker system with integrated mixer for live and playback applications
- ▲ State-of-the-art 24-bit digital signal processor for ultimate system control:
  - Digital crossover, phase and time correction for perfect driver alignment plus dual compressor/limiter for total system protection
  - Digital noise gate, low-cut filter, 2-band EQ, dynamic contour filter for ultimate sound reproduction
- ▲ 2 ULN Mic/Line inputs with individual volume controls and peak LEDs
- ▲ Extremely powerful 12" long-excursion driver provides incredibly deep bass and acoustic power
- ▲ State-of-the-art 1.75" titanium-diaphragm compression driver for exceptional, high-frequency reproduction
- ▲ Ultra-wide dispersion and large format exponential/conical horn with multi-cell aperture throat
- ▲ Additional Line output enables linking of additional speaker systems
- ▲ Versatile trapezoidal enclosure design allows different positioning:
  - Stand mounting with 35-mm pole socket
  - Tilts on its side for use as a floor monitor
- ▲ Ergonomically shaped handles for easy carrying and setup
- ▲ High-quality components and exceptionally rugged construction ensure long life
- ▲ Conceived and designed by BEHRINGER Germany

B512DSP

## Specifications

### AUDIO INPUTS

MIC/LINE (2)	XLR (balanced)
Input impedance	27 kOhm
Sensitivity	-40 to +10 dBu

### AUDIO OUTPUTS

LINE OUT	XLR (balanced)
Output impedance	120 Ohm

### PROCESSING

DSP	24-bit fixed-point Motorola
AD/DA converter	24-bit / 48 kHz
Limiter	dual protection for woofer and driver
Dynamic EQ	dual parametric EQ's
NOISE GATE	variable (off to -30 dB < -45 dB)
TIMED TURNOFF	switchable (3 min)
CONTOUR	switchable speech / music contour
EQ HIGH	+/- 15 dB (12 kHz)
EQ LOW	+/- 15 dB (100 Hz)
LOW CUT	40 - 160 Hz (24 dB/Oct.)

### SYSTEM DATA

Frequency range	45 Hz to 20 kHz
Crossover	Butterworth, 1.7 kHz, 24 dB/Oct.
Max. sound pressure level	127 dB @ 1 m
Dispersion angle	90° x 45°

### OUTPUT POWER

#### Low-frequency range

RMS @ 1% THD	320 W @ 8 Ohm
Peak Power	460 W @ 8 Ohm

#### High-frequency range

RMS @ 1% THD	80 W @ 8 Ohm
Peak Power	140 W @ 8 Ohm

### POWER SUPPLY

Mains Voltage/Fuse	
100 V~, 50/60 Hz	T 6,3 A H 250 V
120 V~, 60 Hz	T 6,3 A H 250 V
220 V~, 50 Hz	T 4,0 A H 250 V
230 V~, 50 Hz	T 4,0 A H 250 V
Power consumption	max. 650 W
Mains connector	Standard IEC receptacle

### DIMENSIONS/WEIGHT

Dimensions (H x W x D)	26" x 15 1/2" x 15" 660 mm x 395 mm x 380 mm
Weight	approx. 65 lbs. approx. 30 kg

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