



Bogen Pro Powered Loudspeakers

Models BP12DSP, BP15DSP



Description Models **BP12DSP** and **BP15DSP Bogen Pro Loudspeakers** are portable, 2-way self-powered loudspeakers capable of high sound pressure levels. Their built-in amplifiers and the quality of their transducers offer better performance than any loudspeaker in their range. A specially designed multi-angle cabinet enclosure allows these speakers to be positioned for use in a variety of settings. The low-frequency selector allows the speakers to be quickly configured for any environment, while the direct microphone input allows easy set up for voice reinforcement applications.

- Features**
- Neodymium LF drivers: 12" on BP12DSP, 15" on BP15DSP
 - 1-3/4" Voice coil compression driver
 - 350-watt Bi-amp configuration: Low 300W RMS (Class D amplifier), High 50W RMS (Class AB amplifier)
 - DSP processing
 - Combo XLR / 1/4" TRS MIC/LINE Input
 - Input sensitivity switch for LINE or MIC
 - Link out on XLRM connector
 - LF EQ Presets (cut/hi-pass filter, flat/no effect, boost/LF shelf)
 - Signal/Clip and Power indicator LED's
 - Main volume control
 - Lightweight
 - High-efficiency
 - Horn coverage: 90 x 45 degrees
 - Wide frequency response
 - Precision tuned by Apogee Sound International Engineering in the U.S.A.
 - Multi-angle, multi-purpose polyethylene cabinet
 - Pole cup for tripod mounting
 - 6 Rigging points
 - Listed to UL Standard 60065 for U.S. and Canada
 - FCC Part 15 Class B Compliant

Architect and Engineer Specifications The speakers shall be Bogen Pro Loudspeakers, Model BP12DSP or BP15DSP. The speakers shall be 2-way powered loudspeakers capable of high sound pressure levels, and processed via DSP.

The speakers shall offer high-efficiency drivers – the low-frequency driver shall be ____ (12" on the BP12DSP; or 15" on the BP15DSP) neodymium, with a 2.5" voice coil; the high-frequency driver shall be a 1" exit compression driver with a 1.75" voice coil. The speakers shall have a 350-watt bi-amp configuration – Low 300W RMS (Class D amplifier) and High 50W RMS (Class AB amplifier). A MIC/LINE Input shall be available, with an Input Sensitivity switch for LINE or MIC. There shall be a link out via an XLRM connector. Several LF EQ presets shall be available, including cut/hi-pass filter, flat/no effect, and boost/LF shelf).

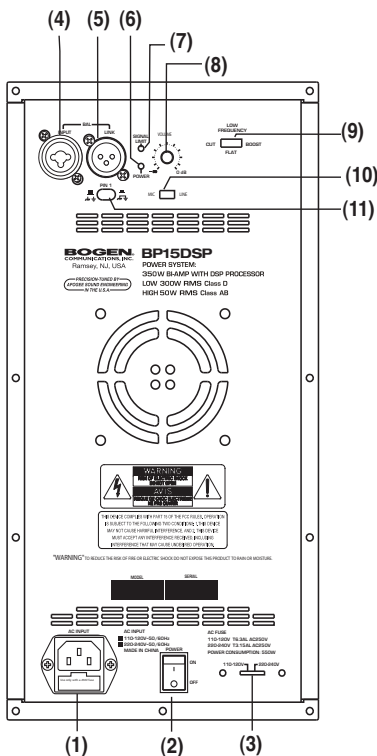
The speakers shall have a main volume control, as well as a Signal/Clip indicator. The speakers shall be tuned by Apogee Sound International Engineering in the United States.

The speakers shall have multi-angle polyethylene cabinets to allow use in a variety of applications. They shall be lightweight and portable, with a built-in pole cup for tripod mounting. They shall have six (6) rigging points.

They shall measure _____ (15-1/2" W x 26-1/8" H x 14-1/4" D for the BP12DSP; or 15-1/2" W x 26-1/8" H x 15-7/8" D for the BP15DSP) and weigh _____ (38.5 for the BP12DSP; or 40.5 for the BP15DSP) pounds.

Technical Specifications

Bogen Pro Rear Panel



- (1) IEC SOCKET WITH MAINS FUSE
- (2) MAINS POWER SWITCH
- (3) AC MAINS SELECTOR
- (4) LINE/MIC INPUT ON COMBO (XLR F/1/4") CONNECTOR
- (5) LINK OUT ON XLRM CONNECTOR
- (6) POWER INDICATOR LED
- (7) SIGNAL/CLIP INDICATOR LED
- (8) MAIN VOLUME CONTROL
- (9) LOW-FREQUENCY SELECTOR SWITCH:
CUT: HI-PASS FILTER
FLAT: NO EFFECT
BOOST: LOW-FREQUENCY SHELF
- (10) "INPUT SENSITIVITY" SWITCH FOR LINE OR MIC
- (11) PIN 1 GROUND LIFT SWITCH

BP15DSP Loudspeaker

System Type	2-Way Powered Speaker
Transducer Low	15" Neodymium Woofer, 2.5" Voice Coil
Transducer High	1" Compression Driver, 1.75" Voice Coil
Horn Coverage (H° x V°)	90°H x 45° V
Frequency Response	45 Hz to 20 kHz with FLAT Preset
Crossover Frequency	2.2 kHz - 12 dB/oct, DSP Processor
Max. SPL (1m).....	124 dB Maximum
Power System.....	Bi-Amp (Low: Class D 300W High; Class AB 50W), RMS 350W
Connector	LINE/MIC Input with Combo (XLR/ 1/4") Connector
External Controls	Volume Control, LINE/MIC Switch, Low Frequency Switch, Power Switch, Pin 1 Lift Switch
LED	Power (Green), Signal/Clip (Green/Red)
Low Frequency Presets	CUT - FLAT - BOOST
Electronic Protections	Thermal / Overload / Digital Limiter / Compressor
Power Supply	110-120V~50/60 Hz or 220-240V~50/60 Hz Switchable (550W)
Enclosure Construction	Polyethylene Cabinet, Trapezoidal & Monitor Shape, Metal Grille, Rubber Feet, 2 Handles (on sides)
Mounting	36mm standard pole-mount, M10 6PCS Flying Points
Dimensions (H x W x D)	26-1/8" x 15-1/2" x 15-7/8" (664mm x 396mm x 402mm)
Net Weight.....	40.5 lbs. (18.4kg)

BP12DSP Loudspeaker

System Type	2-Way Powered Speaker
Transducer Low	12" Neodymium Woofer, 2.5" Voice Call
Transducer High	1" Compression Driver, 1.75" Voice Call
Horn Coverage (H° x V°)	90°H x 45° V
Frequency Response	50 Hz to 20 kHz with FLAT Preset
Crossover Frequency	2.4 kHz - 12 dB/oct, DSP Processor
Max. SPL (1m).....	123 dB Maximum
Power System.....	Bi-Amp (Low: Class D 300W High; Class AB 50W), RMS 350W
Connector	LINE/MIC Input with Combo (XLR/ 1/4") Connector
External Controls	Volume Control, LINE/MIC Switch, Low Frequency Switch, Power Switch, Pin 1 Lift Switch
LED	Power (Green), Signal/Clip (Green/Red)
Low Frequency Presets	CUT - FLAT - BOOST
Electronic Protections	Thermal / Overload / Digital Limiter / Compressor
Power Supply	110-120V~50/60 Hz or 220-240V~50/60 Hz Switchable (550W)
Enclosure Construction	Polyethylene Cabinet, Trapezoidal & Monitor Shape, Metal Grille, Rubber Feet, 2 Handles (on sides)
Mounting	36mm standard pole-mount, M10 6PCS Flying Points
Dimensions (H x W x D)	26-1/8" x 15-1/2" x 14-1/4" (664mm x 396mm x 362mm)
Net Weight.....	38.5 lbs. (17.5kg)

Accessories



XLR25
Microphone
Cable

ATS70GB
Tripod Speaker
Stand

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