



VPSB7118DPAN Powered 18" Integrated Sub-woofer System

Key Features:

- ▶ Powered 18" Sub-woofer Loudspeaker System with JBL DrivePack® technology for portable or installed use
- ▶ 3600 watts peak power, 1800 watts continuous
- ▶ HiQnet™ compatible; network control
- ▶ 18-inch Differential Drive® low-frequency driver for extended low-frequency output
- ▶ Stylized and ergonomically designed powder-coated die-cast aluminum handles
- ▶ Eight 3-inch fly track suspension points and twenty-four M10 fittings (optional detachable flying fittings and forged eye bolt kits available)
- ▶ Optional DPCN (CobraNet™) digital audio input module available

Applications:

- ▶ High-impact audio/visual presentations
- ▶ Theatrical sound design
- ▶ Houses of Worship
- ▶ Sound reinforcement rental companies
- ▶ Live performance venues
- ▶ Performing arts centers
- ▶ Lecture halls
- ▶ Corporate learning centers
- ▶ Themed entertainment venues

The VPSB7118DPAN is a powered 18" integrated sub-woofer loudspeaker system featuring 3600 watts of peak output power, 1800 watts continuous, and onboard digital signal processing. Designed in cooperation with development partner Crown International, the JBL DrivePack® DP1 features leading-edge technology such as patented high efficiency Class-I power amplifier technology plus network control and monitoring via *System Architect* software.

The VPSB7118DPAN transducer is JBL's 2268G 18" diameter Differential Drive® woofer.



Specifications:

Frequency Response (+/-3 dB):	39 Hz - 145 Hz
Frequency Range (-10 dB):	29 Hz - 165 Hz
Maximum Peak Output ¹ :	129 dB SPL 1m
Transducer Section:	
Low Frequency Section:	JBL 2268H, 457 mm (18 in) dia., 76 mm (3 in) Dual Coil, Differential Drive®, Direct Cooled
Bandpass Nominal Impedance:	4 ohms
System:	
DP1 Internal Amplification Output (at nominal load)	3600 Watts Peak, 1800 Watts Continuous
DP1 Output Section:	1-Channel, Class I
Audio Input connector:	XLR with loop-through
Network control connector:	Ethernet, RJ45
Signal Processing:	DSP based, resident in Input Module. See page 2 For input module specifications.
System Management:	DSP based limiters for mechanical and thermal protection
AC Power Operating Range:	Auto Select 90-132VAC/216-264VAC, 50/60 Hz
AC Line Voltage:	50/60 Hz, Auto-Detect; 120V/240V (-15%, +10%)
AC Input Connector:	Neutrik PowerCon
AC Loop-thru:	Neutrik PowerCon
AC Current Requirement:	6A per system at 120V, 3A per system at 240V
Enclosure:	
Box Construction:	5/8 in. multi-ply exterior grade Baltic birch. Internally braced. Black DuraFlex™ finish.
Suspension System:	8 standard air-cargo 3 in. track and 24 M10 fittings.
Grille:	14 Gauge Black powder-coated perforated steel with foam backing.
Dimensions (H x W x D):	514.4 x 701.8 x 812.8 mm 20.25 x 27.63 x 32 in.
Net Weight:	34 kg (75 lbs.)

¹Measured with IEC shaped noise in free field conditions.

▶ VPSB7118DPAN Powered 18" Subwoofer System

JBL DrivePack® Amplification

A key feature to the VP Series is its highly adaptable JBL DrivePack amplifier module. The full-range module provides 3600 Watts of peak power, 1800 watts continuous. The JBL DrivePack operates on auto-selecting line voltage at 50 or 60 Hz for worldwide operation. Each JBL DrivePack unit incorporates Crown's BCA (Balanced Current Amplification) Class I circuitry with temperature-compensated modulation and state of the art feedback circuitry for lower noise and distortion than any other high-power switching amplifier. An extraordinarily efficient passive cooling system spreads heat dissipation for optimal cooling, eliminating expensive and noisy fans. JBL's DrivePack technology engineered with Crown amplification provides even higher fidelity than traditional analog amplifier circuitry.

JBL DrivePack® Input Modules

JBL DrivePacks are equipped with a modular input bay with optional input modules available. The standard input module for JBL's Venue Performance Series is the **DPAN**. The DPAN input module features analog audio inputs and sophisticated onboard digital signal processing technology. Precision band-pass limiting, pre-equalization filters and automatic self-test functions ensure optimized performance. Another feature is the "Enable Subwoofer Filter" button. This is a momentary-contact type switch which enables or disables the selected function. For subwoofer applications, the low-pass frequency is set to 80 Hz. For full-range systems used with subwoofers, the high-pass is raised to 80 Hz.

In addition the DPAN adds 100 Mb Ethernet networking functionality and HiQnet compatibility. It enables remote control and monitoring via *HiQnet System Architect™* software. Network Control and Monitoring is enabled by the JBL DrivePack Device Control Panel supplied within *HiQnet System Architect*. Network capabilities include monitoring of status, input and output levels, clipping, temperature, load faults and gain reduction. Additional control features available in software include load supervision, dynamic processing, ten internal user configurable pre-e.q. filter presets, delays, onboard noise and sine-wave generators, network device event logging and user alert messaging.

DPCN is an optional HiQnet Network Input Module with Digital Audio. In addition to all of the features included on the DPAN, the DPCN input module adds CobraNet™ to the mix and offers the ability to direct up to 64 audio channels on one network, with digital audio and remote control and monitoring via Ethernet combined on a single cable. DPCN includes the option to use an analog input as a backup audio source providing you complete reliability and flexibility to cover any situation. With *HiQnet System Architect* providing the software user interface, the HiQnet communications protocol provides remote access to digital speaker preset files in the JBL DrivePack. As with the DPAN, user-addressable features include ten internal pre-e.q. filter presets, up to 2 seconds of delay per channel, and onboard noise and sine-wave generators, network device event logging and user alert messaging.

Each VP Series self-powered loudspeaker system ships with an AC cord set and protective environmental jackets for input and AC modules at no extra cost.



DPAN (Standard Module Network Input)



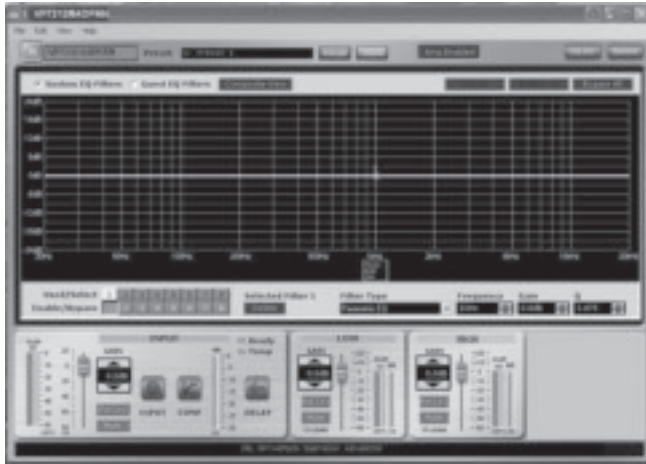
DPCN (Optional Network Input Module with CobraNet Digital Audio)

Features

Description	DPAN (optional HiQnet network input module)	DPCN (optional HiQnet network input module : digital audio)
HiQnet Compliant	Yes	Yes
Network Communication	100MB Ethernet	100MB Ethernet
Network Connections	RJ-45, CAT5	RJ-45, CAT5
Supported Audio format	Analog	Digital with analog backup
CobraNet™ digital audio over Ethernet	No	Yes
Level Controls	Network Controllable	Network Controllable
Remote Load Monitoring	Yes	Yes
User Assignable Filters	16	16
User Assignable Filter Types	9	9
User Accessible Delays	Yes	Yes
Noise Generator	Pink, White	Pink, White
Sine Wave Generator	Continuous, Burst	Continuous, Burst
Error Reporting	Yes, via software	Yes, via software
Digital Speaker Setting Presets	10, user assignable	10, user assignable
Polarity Reverse	Yes, via software	Yes, via software
Listen Bus line level remote monitor	No	Yes
Firmware upgrades via network	Yes	Yes
Mute	Remote via Network	Remote via Network

Specifications

Analog Audio Input Connectors	XLR, female	XLR, female
Input Type	Electronically Balanced, RF Filtered	
Signal Loop-through	XLR, male, passive pass-through	
Input Impedance	20K Ohms Bal	
Polarity		
Input Sensitivity at 1m	0 dBu: 130dB spl 0 dBV: 128 dB spl (Internal sensitivity set to +4dBu)	0 dBu: 130dB spl 0 dBV : 128 dB spl (Internal sensitivity set to +4 dBu)
Max Input Level	+23 dBu	
Frequency Response	20 Hz – 20K Hz ± 0.5 dB	
DSP Processing	24 Bit conversion, 32 bit floating point processing	24 Bit conversion, 32 bit floating point processing
Latency	0.625 ms	0.625 ms + 5.333 ms
Dynamic Range (20-20K Hz)	> 105 dB (A Weighted)	> 103 dB (A Weighted)
THD+N (20- 20K Hz), rated load	< 0.05%	
Crosstalk	> 60 dB @ 1kHz	> 60 dB @ 1kHz
User Programmable Signal Delay	> 2 seconds	> 2 seconds
Front Panel Controls	Enable ALT Preset	Enable ALT Preset
Front Panel Indicators	Signal/clip, ready, thermal, fault, alt. preset select, Network: activity, link	Signal/clip, ready, thermal, fault, alt. preset select, Network: activity link, CorbaNet conductor



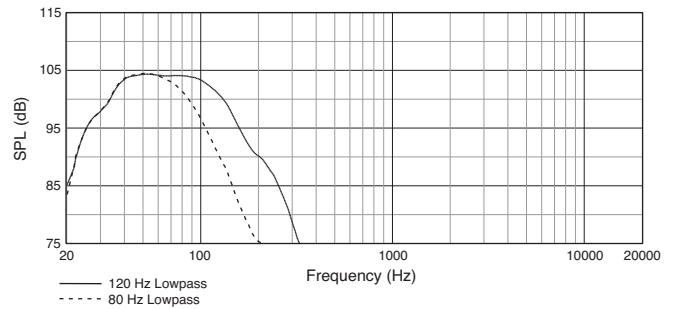
JBL DrivePack® Software Device Panel

HiQnet System Architect™

The VP Series has the most advanced network control capabilities of any loudspeaker system available. All VP Series loudspeaker systems utilize Harman Professional's HiQnet protocol providing the system operator with a complete configuration, control, and monitoring solution. HiQnet protocol provides remote access to loudspeaker preset files in the JBL DrivePack input modules making system setup ever so easy yet very powerful, thanks to the intuitive, user-friendly graphical interface. A variety of control and monitoring options are available at your fingertips. *HiQnet System Architect* provides complete software control of not only your JBL DrivePack-equipped loudspeakers, but also other HiQnet-compatible audio components within the total system.

HiQnet System Architect is available for download at www.harmanpro.com.

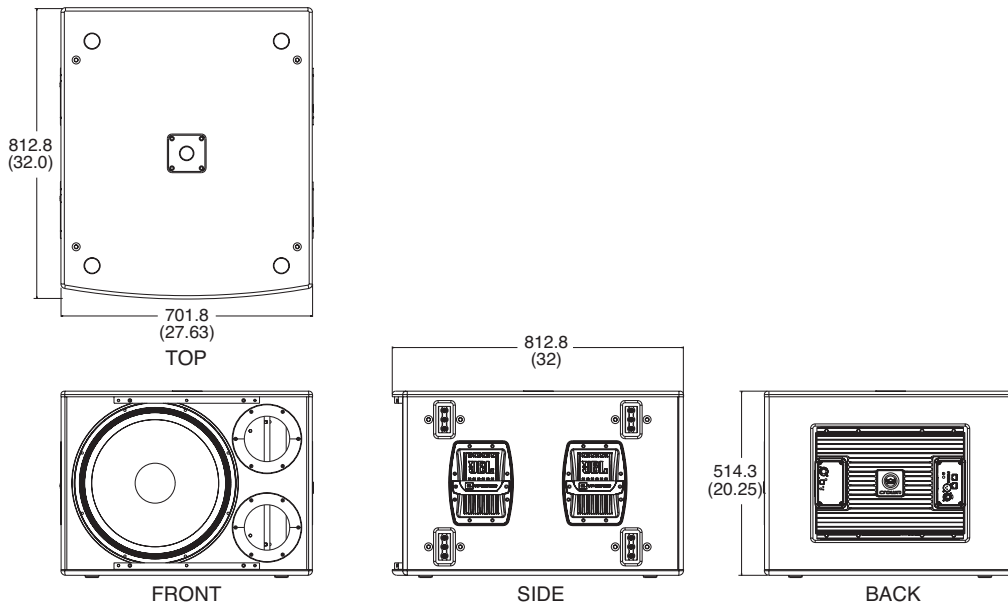
Frequency Response



▶ VPSB7118DPAN Powered 18" Subwoofer System

Dimensions

Dimensions in mm (in)



Accessories:

JBL offers a wide variety of accessories including rigging accessories and transport covers. Please visit www.jblpro.com for a complete list of VP Series accessories.

VP SERIES
venue performance



JBL Professional
8500 Balboa Boulevard, P.O. Box 2200
Northridge, California 91329 U.S.A.

■ A Harman International Company
© Copyright 2006 JBL Professional

SS VPSB7118DPAN
CRP 5M
1/06