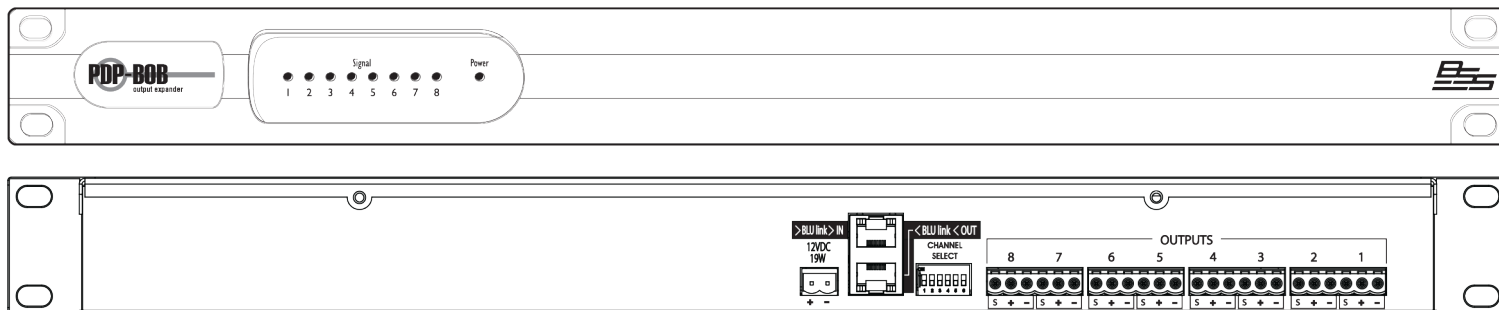


IDX 100 Break-Out Box

PDP-BOB



OVERVIEW:

The PDP-BOB Output Expander or “break-out box” offers 8 channels of analog audio output expansion via a high bandwidth, fault tolerant digital audio bus.

This expander features a low latency, fault tolerant digital audio bus of 256 channels which uses standard Category 5e cabling allowing a distance of 100m between PDP-DSP Public Address Processor and PDP-BOB Output Expander devices.

The PDP-BOB output channels are easily configured by six DIP switches located on the rear of the device, which select consecutive channels in groups of eight. This simple configuration allows selection of any 8-channel range from the 256 channels available on the digital audio bus.

The 8 analog line level outputs utilize the same terminal block connectors as the PDP-DSP Public Address Processor.

Signal present and power status are clearly displayed by front panel LED indicators.

The PDP-BOB break-out box output expanders are powered by a 12V DC adapter which is included with the devices.

A maximum of 12 PDP-BOB Output Expanders can be used in an IDX 100 system to provide up to 96 output zones, where each PDP-BOB device provides outputs for up to 8 output zones.

KEY FEATURES:

- 8 Analog Audio Outputs
- Standard Terminal Block Connectors for Analog Audio Connections
- DIP Switches for Channel Range Selection
- 256 Channel, Low Latency, Fault Tolerant Digital Audio Bus
- Clear Front Panel LED Indication
- 12V DC External Power (included)
- Terminal Block Connectors for Power Connection
- In IDX 100 System Up to 96 Output Zones Using 12 PDP-BOB Devices



PDP-BOB IDX 100 Break-Out Box

TECHNICAL SPECIFICATIONS:

Front Panel LED Indicators:	Signal present per output, and Power
Analog Outputs:	8 electronically balanced on Phoenix/Combicon removable screw connectors
Maximum Output Level:	+19dBu
Frequency Response:	20Hz-20KHz (+0.5dB/-1dB)
THD:	<0.01% 20Hz to 20KHz, +10dBu output
Dynamic Range:	108dB typical, 22Hz-22KHz unweighted
Crosstalk:	<-75dB
D/A Latency:	28/Fs [0.58ms@48K, 0.29ms@96K]
Digital Audio Bus:	
Connectors:	2 x RJ45 Ethernet connectors
Maximum Cable Length:	100m/300ft on Category 5e cable between devices
Maximum Number of Nodes:	60
Latency Per Node:	4/Fs [0.08ms@48K, 0.04ms@96K]
Power and Dimensions:	
Mains Voltage:	12V DC external power supply included
AC Power Input to Adapter:	19W
BTU Rating:	<65 BTU/hr
Operating Temperature Range:	5 (41) to 35 (95) degrees C (degrees F)
Dimensions (H(U) x W x D):	1.75" x 19" x 7.75" (45mm x 483mm x 197mm)
Weight:	5.13 lbs / 2.33 kg

Channel Assignment							
CHANNELS	DIP SWITCH SETTINGS	CHANNELS	DIP SWITCH SETTINGS	CHANNELS	DIP SWITCH SETTINGS	CHANNELS	DIP SWITCH SETTINGS
1 to 8		65 to 72		129 to 136		193 to 200	
9 to 16		73 to 80		137 to 144		201 to 208	
17 to 24		81 to 88		145 to 152		209 to 216	
25 to 32		89 to 96		153 to 160		217 to 224	
33 to 40		97 to 104		161 to 168		225 to 232	
41 to 48		105 to 112		169 to 176		233 to 240	
49 to 56		113 to 120		177 to 184		241 to 248	
57 to 64		121 to 128		185 to 192		249 to 256	