

Powerpod 820 | Powerpod 1860 Plus | Powerpod K 12 Plus | Powerpod K 16 Plus

Powerpod 820

200W 4-Mic/Line 2-Stereo Powered Mixer with DFX

Powerpod 1860 Plus

800W 8-Mic/Line 4-Stereo Powered Mixer with GEQ & DFX

Powerpod K12 Plus

1000W 8-Mic/Line 2-Stereo Powered Mixer with GEQ and Dual DFX

Powerpod K16 Plus

1000W 12-Mic/Line 2-Stereo Powered Mixer with GEQ and Dual DFX



Features

- ▶ Anywhere between 100W to 500W / 4 ohms per channel
- ▶ Four to twelve mic/line input channels with 3-band EQ and inserts
- ▶ Two stereo line input channels with 3-band EQ
- ▶ Switchable low cut filter set at 75 Hz on mic input channels
- ▶ Stereo 7-band graphic EQ assignable to main or aux 1 (Plus models only)
- ▶ At least one 32/40-bit digital effect processor, each with 100 effects plus tap delay effects, test tones and foot switch jacks (Plus models only)
- ▶ 32/40-bit digital effect processor with 16 effect programs and one main parameter control (820 only)
- ▶ Solid Phonic System (sPs) speaker enhancement circuit (K12 and K16 only)
- ▶ Two AUX sends and two EFX sends per channel on Plus models
- ▶ One AUX send and one EFX send per channel on Powerpod 820
- ▶ Global +48V phantom power for mic inputs (grouped on Powerpod 1860 Plus)
- ▶ One professional speaker connector and two 1/4" phone jacks per channel for speaker connection (Plus models only)
- ▶ Two 1/4" phone jack outputs per channel for speaker connection on Powerpod 820
- ▶ Molded protective cover to avoid scratching and marking when on the road (Plus models only)
- ▶ Rugged metal main chassis with integrated handle for increased versatility (Plus models only)
- ▶ Mains power switchable between 115 VAC and 230 VAC (Plus models only)

Description

Phonic's Powerpod series of desktop powered mixers offer phenomenal power in easily manageable, portable constructions. With anywhere between 8 and 16 input channels, each featuring 3-band EQs, gain control and low-cut filters – the Powerpods all offer staggering high output power ratings at relatively low impedances. The Powerpod 1860 Plus, Powerpod K12 Plus and Powerpod K16 Plus all feature a removable protective cover that protects the surface of the mixer from damage, dust and normal wear and tear during transit. All Powerpods offer at least one fantastic 32/40-bit digital effect processor with a number of the most popular effects among musicians. Perfect for use in houses of worship, function halls, clubs, bars, and other settings requiring moderately sized yet highly portable powered mixers.

POWERPOD PLUS SERIES

Specifications

Professional Powered Mixer

Powerpod 820 | Powerpod 1860 Plus | Powerpod K 12 Plus | Powerpod K 16 Plus

	Powerpod 820	Powerpod 1860 Plus	Powerpod K12 Plus	Powerpod K16 Plus
POWER AMP, output power in Watts @THD < 0.5%, 1KHz				
Number of Power Channels	2	2	2	2
Limiters	2	2	2	2
8 ohms per Channel	65	260	330	330
4 ohms per Channel	100	400	500	500
8 ohms Bridge Mono	-	800	1000	1000
Inputs				
Total Channels	6	10	10	10
Balanced Mono Mic/Line Channels	4	8 (XLR+ 1/4" TS)	8 (XLR+ 1/4" combo jacks)	12 (XLR+ 1/4" combo jacks)
Stereo Line Channels with mic preamp	2 (no mic pres)	2 (2 x 1/4" + 2 x RCA)	2 (2 x 1/4" + 2 x RCA)	2 (2 x 1/4" + 2 x RCA)
Stereo AUX Returns	2	2	2	2
2T Input	1 (2 x RCA & 1 x mini-stereo)	1 (2 x RCA jacks)	1 (2 x RCA jacks)	1 (2 x RCA jacks)
Outputs				
Main L/R Stereo	2 x 1/4" TS, Unbal.	2 x 1/4" TS, Unbal.	2 x 1/4" TS, Unbal.	2 x 1/4" TS, Unbal.
Main Mono	-	1/4" TS, Unbal.	1/4" TS, Unbal.	1/4" TS, Unbal.
ALT 3-4	2 x 1/4" TS, Unbal.	-	-	-
Aux & Effect Sends	2 x 1/4" TS, Unbal.	4 x 1/4" TS, Unbal.	4 x 1/4" TS, Unbal.	4 x 1/4" TS, Unbal.
Phones	1	1	1	1
Control RM or Zone 2 Output	2 x 1/4" TS, Unbal.	2 x 1/4" TS, Unbal.	2 x 1/4" TS, Unbal.	2 x 1/4" TS, Unbal.
Rec Out	1 (2 x RCA & 1 x mini-stereo)	2x RCA jacks	2x RCA jacks	2x RCA jacks
Speaker Output	4 x 1/4" TS	2 x Speakon & 4 x 1/4" TS	2 x Speakon & 4 x 1/4" TS	2 x Speakon & 4 x 1/4" TS
Channel Strips	6	10	10	10
Inserts	4	8	8	12
Aux Control	2	4	4	4
Pan/Balance Control	Yes	Yes	Yes	Yes
Channel On/Mute	Yes (Alt 3-4)	Yes	Yes	Yes
Channel Solo/PFL with metering	-	Yes	Yes	Yes
LED Indicators	Peak	On, Peak, Signal, PFL	On, Peak, Signal, PFL	On, Peak, Signal, PFL
Volume Controls	Rotary	60mm faders	60mm faders	60mm faders
Master Section				
AUX Send Masters	2, rotary	2, 60mm fader	2, 60mm fader	2, 60mm fader
Effects Return to Monitor	Yes	Yes	Yes	Yes
Phones/control RM/Zone 2 level control	Yes	Yes	Yes	Yes
Control Room Mode	-	ST, PFL/AFL	ST, PFL/AFL	ST, PFL/AFL
Faders	Main L/R	EFX, AUX 1, AUX 2, Mono, Main L/R	EFX, AUX 1, AUX 2, Mono, Main L/R	EFX, AUX 1, AUX 2, Mono, Main L/R
Metering				
Number of Channels	2	2	2	2
Segments	10	12	12	12
Phantom Power Supply	+48V DC	+48V DC	+48V DC	+48V DC
Switch	Master	1 (Off, CH1-4 On, CH1-8 On)	Master	Master
Digital Effect Processor	16 EFX	100 EFX with tap delay & test tones	Dual 100 EFX with tap delay & test tones	Dual 100 EFX with tap delay & test tones
Parameter Control	Yes	-	-	-
Built-in Graphic EQ	-	Stereo 7-band	Stereo 7-band	Stereo 7-band
Center Frequency	-	63, 160, 400, 1K, 2.5K, 6.3K, 12K	63, 160, 400, 1K, 2.5K, 6.3K, 12K	63, 160, 400, 1K, 2.5K, 6.3K, 12K
Range	-	±12dB	±12dB	±12dB
THD				
Power output, 1KHz, 20Hz to 20KHz	@50 Watts, 4 ohms <0.2%	@200 Watts, 4 ohms <0.5%	@200 Watts, 4 ohms <0.5%	@200 Watts, 4 ohms <0.5%
Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs	-	<0.3%	<0.3%	<0.3%
CMRR 1 KHz @ -60dBu, Gain at maximum	80 dB	80 dB	80 dB	80 dB
Crosstalk 1KHz @ 0dBu, 20Hz to 20KHz bandwidth, channel in to main L/R outputs	-	<-63 dB	<-63 dB	<-63 dB
Channel fader down, other channels at unity	<-90 dB	<-63 dB	<-63 dB	<-63 dB
Channel muted, other channels at unity	-	<-64 dB	<-64 dB	<-64 dB
Frequency Response (mic input to output)				
20 Hz - 50Hz	+0/-3dB	-	-	-
20Hz ~ 20KHz, line level o/p @ +4dBu into 600ohms	-	+0/-2 dB	+0/-2 dB	+0/-2 dB
20Hz ~ 20KHz, power amp o/p 1 watt into 8ohms	-	+0/-2 dB	+0/-2 dB	+0/-2 dB
Maximum Level				
Mic Preamp Input	+10 dBu	+10 dBu	+22 dBu	+10 dBu
All Other Inputs	+22 dBu	+22 dBu	+22 dBu	+22 dBu
Unbalanced outputs	+22 dBu	+22 dBu	+22 dBu	+22 dBu
Impedance				
Mic In	2K ohms	5K ohms	5K ohms	5K ohms
Line In	10K ohms	50K ohms	50K ohms	50K ohms
All Other Inputs (except inserts)	10K ohms	10K ohms	10K ohms	10K ohms
RCA 2T Outputs	1.1K ohms	600 ohms	600 ohms	600 ohms
All Other Outputs	-	150 ohms	150 ohms	150 ohms
Equalization				
Low EQ	3-band, ±15 dB	3-band, ±15 dB	3-band, ±15 dB	3-band, ±15 dB
Mid EQ	2.5 KHz	2.5 KHz	Swept (100Hz - 8 kHz) on mono, 2.5k on stereo	Swept (100Hz - 8 kHz) on mono, 2.5k on stereo
Hi EQ	12 KHz	12 KHz	12 KHz	12 KHz
Low Cut Filter	75Hz (-18dB/oct)	75Hz (-18dB/oct)	75Hz (-18dB/oct)	75Hz (-18dB/oct)
Microphone Preamp E.I.N.				
150 ohms terminated, max gain	-	<-122 dBm	<-122 dBm	<-122 dBm
Power Consumption (Average Maximum)	100W	400 Watts	400 Watts	400 Watts
Power Requirement	Depends on region, 100VAC, 120VAC, 220-240VAC, 50/60Hz	Switchable between 115VAC & 230VAC, 50/60 Hz	Switchable between 115VAC & 230VAC, 50/60 Hz	Switchable between 115VAC & 230VAC, 50/60 Hz
Dimensions (W x H x D)	275 x 100 x 270 mm (10.83" x 3.94" x 10.63")	483 x 142 x 466 mm (19.02" x 5.59" x 18.35")	483 x 142 x 466 mm (19.02" x 5.59" x 18.35")	583 x 142.6 x 466 mm (22.95" x 5.61" x 18.35")
Net Weight	4.12 kg (9.1 lbs)	14.3 kg (31.5 lbs)	13.6 kg (30 lbs)	15.51 kg (34.2 lbs)

Information in this document is subject to change without notice.

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Powerpod Plus data Sheet 11/03/2011

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