

PV® 6



The PV® 6 compact Peavey mixer offers durable construction and excellent sound quality at an unbelievably low price. Made of metal, not plastic, the PV 6 is built tough and designed for either live sound or recording. Its reference quality mic pre-amps are super quiet with less than 0.0007% of total harmonic distortion. Each of the four channels includes XLR and 1/4" inputs, phantom power, EQ and effects send. The master section offers assignable tape input and a master contour EQ which simultaneously cuts mids while slightly boosting the bass and treble in the overall mix. Outputs include L & R for main and control room, effects send and headphones.

Features:

- 4 RQ(tm) (reference-quality) low noise microphone inputs
- Channels 3 and 5 with stereo line inputs
- 3-band EQ on channels 1-2
- LED clip, signal
- 1 effects send with stereo output
- 1 stereo effects returns
- Control room output
- Phantom power, tape to control room and tape to mix assignments
- Stereo Output 1/4 inch balanced connectors
- Rugged console design

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Inputs

Function	Input Z (ohms min)	Input Gain Setting	Input Levels			Bal/Unbal	Connector
			Min**	Nominal*	Max		
Microphone (150 ohms)	2.2k	Max Gain (60 dB)	-83 dBu	-56 dBu	-38 dBu	Bal	XLR Pin 1 Gnd Pin 2 (+), Pin 3 (-1)
		Min Gain (9 dB)	-31 dBu	-5 dBu	+13 dBu		
Line (10k ohms)	10k	Max Gain (40 dB)	-63 dBu	-36 dBu	-18 dBu	Bal	¼" TRS; Tip (+), Ring (-), Sleeve Ground
		Min Gain (-10 dB)	-12 dBu	+14 dBu	+32 dBu		
Stereo Line Input	10k	Max Gain (30 dB)	-26 dBu	+4 dBu	+22 dBu	Unbal	¼" TRS; Tip (+), Sleeve Ground
Aux Returns	10k	N/A (0 dB)	-17 dBu	+4 dBu	+22 dBu	Unbal	¼" TRS; Tip (+), Sleeve Ground
Tape	10k	N/A (10 dB)	-17 dBu	-10 dBV	+12 dBu	Unbal	RCA Phone

0 dBu = 0.775 V (RMS)

** Min Input Level (sensitivity) is the smallest signal that will produce nominal output (+4 dBu) with channel and master faders set for maximum gain.

* Nominal settings are defined as all controls set at 0 dB (or 50% rotation for rotary pots) except the gain adjustment pot which is as specified.

Outputs

Function	Min Load Z (ohms)	Output Level		Bal/Unbal	Connector
		Nominal	Max		
Main Left/Right	600	+4 dBu	+22 dBu	Bal	¼" TRS; Tip (+); Ring (-); Sleeve Ground
Effects Sends	600	+4 dBu	+22 dBu	Bal	¼" TRS; Tip (+), Sleeve Ground
Headphone	8	+4 dBu (no load)	+22 dBu	Unbal	¼" TRS; Tip Left, Ring Right, Sleeve Ground
Tape	2.2 k	+4 dBu	+22 dBu	Unbal	RCA Phone

0 dBu = 0.775 V (RMS)

Gain

Mic Input Gain Adjustment Range: 10 dB to 60 dB
 Mic Input to Left/Right Balance Output 87 dB (max gain)
 Line Input Gain Adjustment Range: -10 dB to 40 dB
 Line Input to Left/Right Balance Output 67 dB (max gain)
 Stereo Line Input Gain Adjustment Range: 10 dB
 Stereo Line Input to Left/Right Output 28 dB (max gain)
 Aux Return to Left/Right Balance Output 21 dB (max gain)

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Frequency Response

Mic Input to Left/Right Output 14 Hz to 25 kHz +0 dB/-1 dB

Total Harmonic Distortion

<0.01% 20 Hz to 20 kHz Mic to Left/Right Output (10 Hz to 80 kHz BW)

<0.005% Typical

Hum and Noise

Output	Residual Noise	S/N Ratio (ref. +4 dBu)	Test Conditions
Master Left/Right	-98 dBu	102 dB	Master Fader Down, Channel Levels Down
	-90 dBu	94 dB	Master Fader Nominal, Channel Levels Down
	-84 dBu	90 dB	All controls nominal, mic gain minimum
Effects Sends	-96 dBu	100 dB	All controls off
	-84 dBu	88 dB	All channel sends nominal

(Hum and noise measurements: 22 Hz to 22 kHz BW)

Equivalent Input Noise (EIN)

-129 dBu (input terminated with 150 ohms)

Crosstalk

>80 dB Adjacent Input Channels (1 kHz)

>75 dB Left to Right Outputs (1 kHz)

Common Mode Rejection Ratio (Mic Input)

50 dB minimum (20 Hz to 20 kHz)

70 dB typical @ 1 kHz

Meters

4-segment, peak reading (0 dB = +4 dBu)

Signal/Overload Indicators

Red LED lights 3 dB below clipping

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Red LED lights 3 dB below clipping

Dimensions

7.55" (19.18 cm) wide x 9.717" (24.68 cm) deep x 2.7" (6.86 cm) high

Weight

Without power supply: 3.9 lbs (1.77 kg)

With power supply: 5.1 lbs (2.31 kg)

Power Requirements

Domestic: 16.5 VAC 60 Hz; 8 watts nominal



Logo referenced in Directive 2002/96/EC Annex IV (OJ(L)37/38, 13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and is applied only to equipment manufactured after 13 August 2005



Commercial Audio

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Features and specifications subject to change without notice.

Peavey Electronics Corporation
5022 Hartley Peavey Drive
Meridian, MS 39305
(601) 483-5365 • FAX (601) 486-1278 • www.peavey.com

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