

## PV® 10, 14 & 20 USB



The PV® 10 & 14 compact mixers have the best features, quality and price of any mixers in their class. Peavey's reference-quality mic preamps spec in at an incredible .0007 THD making the PV 14 mixer excellent for live or recording applications. The PV mixers include three-band EQ, effects send, monitor send on each channel and insert points on each mono channel. The master section includes 48 volt phantom power, built-in digital effects, effects send and return, assignable tape input and a unique master contour EQ that helps sweeten the mix. Dual XLR and 1/4 inch outputs allow the mixer to easily connect with other equipment. Sleek metal design adds strength, durability and looks like no other mixer in this price range. Rack mount kit available.

### Features:

- Six XLR mic inputs on PV10, ten on the PV14, and sixteen on the PV20
- Two stereo channels with RCA and 1/4" inputs
- Three-band channel EQ
- A/B stereo input selector reduces patching
- Inserts on all mono channels
- 80 Hz low-cut switch
- Clip LEDs that thoroughly monitor clipping
- Phantom power switch
- Effects send on every channel with stereo return
- Monitor send on every channel
- Zero latency record monitoring capabilities
- Control room output with level control
- Contour control switch

## PV<sup>®</sup> 10, 14 & 20 USB

### 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)	-76 dBu	-56 dBu	-38 dBu	Bal	XLR Pin 1 Gnd Pin 2 (+) Pin 3 (-)
		Min Gain (10 dB)	-24 dBu	-4 dBu	+14 dBu		
Line (10 k ohms)	10k	Max Gain (40 dB)	-56 dBu	-36 dBu	-18 dBu	Bal	1/4" TRS; Tip (+) Ring (-) Sleeve Ground
		Min Gain (-10 dB)	-10 dBu	+14 dBu	+32 dBu		
Stereo Line Input	10k	Max Gain (20 dB)	-36 dBu	-16 dBu	+2 dBu	Unbal	1/4" TS; Tip (+) Sleeve Ground
		Nominal	-21 dBu	-1 dBu	+17 dBu		
Tape	10k	N/A (10 dB)	-17 dBu	-10 dBV	+12 dBu	Unbal	RCA Phono

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 Levels		Bal/ Unbal	Connector
		Nominal	Max		
Main Left/Right	600	+4 dBu	+22 dBu	Bal	XLR Pin Ground Tip Pin 2 (+), Pin 3 (-)  1/4" TRS: Tip (+), Ring (-) Sleeve Ground
Effects and Monitor Sends	600	+4 dBu	+22 dBu	Bal	1/4" TRS: Tip (+), Ring (-) Sleeve Ground
Control Room	600	+4 dBu	+22 dBu	Bal	1/4" TRS: Tip (+), Ring (-) Sleeve Ground
Headphone	8	+4 dBu (no load)	+22 dBu	Unbal	1/4" TRS; Tip Left, Ring Right Sleeve Ground
Tape	2.2k	+4 dBu	+22 dBu	Unbal	RCA Phono
USB					

0 dBu=0.775 V (RMS)

## PV<sup>®</sup> 10, 14 & 20 USB

### Gain

Mic Input Gain Adjustment Range:	10 dB to 60 dB
Mic Input to Left/Right Balance Output	88 dB (max gain)
Line Input Gain Adjustment Range:	-10 dB to 40 dB
Line Input to Left/Right Balance Output	60 dB (max gain)
Stereo Line Input Gain Adjustment Range:	Off to +20 dB
Stereo Line Input to Left/Right Output	40 dB (max gain)

### Frequency Response

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

<0.02% 20 Hz to 20 kHz Mic to Left/Right Output	(10 Hz to 80 kHz BW)
<0.005% Typical	(22 Hz to 22 kHz BW)
<0.0007% Mic Pre-amp Distortion	

### Hum and Noise

Output	Residual Noise	S/N Ratio (Ref: +4dBu)	Test Conditions
Master Left/Right	-97 dBu	101 dB	Master Fader Down, Channel Levels Down Master Fader Nominal, Channel Levels Down Master Fade Nominal, Channel Faders Nominal, Panned Odd Channels (left), Even Channels (right)
	-90 dBu	94 dB	
	-83 dBu	87 dB	
Monitor Send	-95 dBu	99 dB	All controls off All channel sends nominal, masters nominal
	-80 dBu	84 dB	
Effects Sends	-100 dBu	104 dB	All controls off All channel sends nominal, masters nominal
	-80 dBu	84 dB	

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

### Equivalent Input Noise (EIN)

-129 dBu (input terminated with 150 ohms)
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### Crosstalk/Attenuation

Adjacent Input Channels (1 kHz) >90 dB	Mute Button Attenuation (1 kHz) >90 dB
Left to Right Outputs (1 kHz) >75 dB	Channel Fader Kill (1 kHz) >85 dB

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### Common Mode Rejection Ratio (Mic Input)

50 dB minimum (20 Hz to 20 kHz)

70 dB typical @ 1 kHz

### Meters

8 segment, peak reading (0 db = +4 dBu)

### Signal/Overload Indicators

Red LED lights 3 dB below clipping

### Dimensions

PV10: 12.125" wide x 14.75" deep x 3.5" high  
(30.80cm x 37.47cm x 8.89cm)

PV20: 22.125" wide x 15.75" deep 3.5" high  
(56.2cm x 40.0cm x 8.9cm)

PV14: 16.125" wide x 14.75" deep x 3.5" high  
(40.96cm x 37.47cm x 8.89cm)



### Installation Note:

This unit must have the following clearances from any combustible surface: top: 8", sides: 12", back: 12"

### Weight

PV10: 9.3 lbs. (4.22 kg)

PV14: 12.1 lbs (5.49kg)

PV20: 16.3 lbs. (7.39kg)

### Power Requirements

PV10: 100-240 VAC 50/60 Hz 13 Watts

PV14: 100-240 VAC 50/60 Hz 17 Watts

PV20: 100-240 VAC 50/60 Hz 27 Watts



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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