

# P.A.P.A.™ Smith™ — PRE-AMP/PRACTICE AMP

Congratulations on your purchase of a Ken Smith Pre-Amp/Practice Amp.

The signal from the input jack goes through the master volume control to the three-band EQ. The frequency characteristics of the EQ section may be further adjusted with the DIP switch inside the unit (described in detail below). The footswitch acts as a bypass for the EQ section. In addition, the *P.A.P.A.* will operate passively in the bypassed position. The headphone section monitors the signal going to the output jack.

When operating from batteries, the unit is “on” while a plug is in the input jack. To avoid unnecessary battery drain, unplug your instrument from the *P.A.P.A.* while not in use.

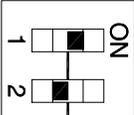
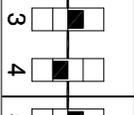
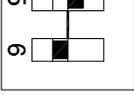
Inserting a plug into the DC power jack forces the *P.A.P.A.* to run on whatever voltage is present at the plug and disconnects the batteries.

The recommended AC adapter for the *P.A.P.A.* has the following specs: 18-24VDC at 100mA, 2.1mm X 5.5mm connector, center pin is ground, outer is positive.

An automobile adapter is also available with the proper connector. Although the *P.A.P.A.* will run just fine on 12V, there is some reduction in headroom which may result in clipping only at extreme volumes. The low battery LED will be lit continuously. This is normal when operating from 12V and does not indicate a problem.

One further measure has been taken to extend battery life. The headphone amp circuitry is only powered while the headphones are plugged in. The rest of the pre-amp circuitry will continue to function with the headphones unplugged.

## DIP switch settings:

	Bass:	Lowest (1=on, 2=on)
		Low (1=off, 2=on)
		High (1=on, 2=off) — default
		Highest (1=off, 2=off)
	Mid:	Lowest (normal) (3=on, 4=on)
		Medium (narrow) (3=off, 4=on)
		Medium (wide) (3=on, 4=off) — default
		Highest (normal) (3=off, 4=off)
	Treble:	Lowest (5=on, 6=on)
		Low (5=off, 6=on)
		High (5=on, 6=off) — default
		Highest (5=off, 6=off)

## Gain trimmer:

While operating the foot switch, adjust gain trimmer (located on the same board as the DIP switch) for similar volume between the active and passive modes. Excessive gain may cause distortion.

## Batteries:

When replacing the two 9V batteries, make sure the batteries are fully snapped into their terminals.

**Ken Smith Basses, Ltd.**

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