

# Red Llama

## Components

<b>R1</b>	1K	<b>IC1</b>	CD4049UBE (note it must be the UBE version)
<b>R2</b>	1K		
<b>R3</b>	1M	<b>D1</b>	1N4001
<b>R4</b>	100K		
<b>R5</b>	1M	<b>VOL</b>	10K Log
		<b>GAIN</b>	1M Linear
<b>C1</b>	100uF Electrolytic		
<b>C2</b>	68nF	<b>C4</b>	33nF
<b>C3</b>	47pF	<b>C5</b>	100pF
		<b>C6</b>	10uF Electrolytic

## Board Connections

The PCB connections are labelled as the following:

I - Input, O - Output, V - 9V DC in, G - Ground

Potentiometers are connected from pin 1 to the square pad on the PCB. This board was designed so you can use 9mm board mount potentiometers on it if desired, otherwise you will need to solder wires from the pads to the correct pin/lug. Jack sleeves and DC centre pin should be connected to ground. V, LED + should be connected to the positive pin of the DC connector.

Take care not to hold the iron on too long when soldering the IC. If you are a beginner, I advise using a 16pin DIP socket. This board can fit inside a 1590A enclosure and is designed for 9mm on-board potentiometers, but you can wire up regular sized ones if you want.

