



# Adamu Bass Preamp (Based on the DIST PCB)

## Design by J. Michael

### Bill of Materials

Version 2014July14

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#### Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	1M5	 brown-green-green	 brown-green-black-yellow
R2	20k	 red-black-orange	 red-black-black-orange
R3	20k	 red-black-orange	 red-black-black-orange
R4	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R5	10k	 brown-black-orange	 brown-black-black-red
R6	4k7 (4.7k)	 yellow-violet-red	 yellow-violet-black-brown
R6 (optional value)	47k (this is an optional value, see instructions for details)	 yellow-violet-orange	 yellow-violet-black-red
R7	500k Reverse Log Potentiometer		
R8	1M	 brown-black-green	 brown-black-black-yellow
R9	10k	 brown-black-orange	 brown-black-black-red
R10	100k Log Potentiometer		
R11	1k	 brown-black-red	 brown-black-black-brown
R12 (optional)	100 ohm	 brown-black-brown	 brown-black-black-black

#### Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	10 $\mu$ F	Tantalum or Aluminum Electrolytic	10 $\mu$ F



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C2	0.22 $\mu$ F	Film	224
C3	none		
C4	1 $\mu$ F	Film or Ceramic (non-polarized)	105 or 1 $\mu$ F
C6	33 $\mu$ F	Aluminum Electrolytic or Tantalum	33 $\mu$ F
C7	0.001 $\mu$ F	Film or Ceramic	102 or 1n
C8 (optional)	100 $\mu$ F	Aluminum Electrolytic	100 $\mu$ F

#### **Potentiometers:**

Part ID	Value	Type
R7 - Gain	500k	Reverse Log Taper Potentiometer
R10 - Volume	100k	Log (Audio) Taper Potentiometer

#### **Other:**

Part ID	Part Name
IC1	TL071 Opamp
D1	Red LED
D2	Red LED
D4	Status Indicator LED and holder
D8 (optional)	1N4001 or 1N914
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
J3	DC Jack
B1	9 volt battery (not included in the Kit)
Sw1	Heavy Duty 3PDT foot switch
	9v battery snap, Printed Circuit Board 24 gauge stranded wire, Enclosure, Knobs



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