



# Direct Box, Active Isolated Bill of Materials

Version 2017November17

















Copyright 2017 JD Sleep

Permission refused for posting/serving this file from any site other than [www.generalguitargadgets.com](http://www.generalguitargadgets.com)

Trademarks are property of their owners

If building the Dual, use components in **Red** and **Black** print, if building a Single, use components in black only

## Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
<b>C/R1</b>	0 ohm or jumper wire	 black	 black
<b>C/R2</b>	(see Capacitors)		
<b>R3</b>	150k	 brown-green-yellow	 brown-green-black-orange
<b>R4 (Gain Control)</b>	25k Log Potentiometer		
<b>C/R5</b>	(see Capacitors)		
<b>C/R6</b>	(see Capacitors)		
<b>C/R7</b>	0 ohm or jumper wire	 black	 black
<b>R8</b>	1k	 brown-black-red	 brown-black-black-brown
<b>R9</b>	0 ohm or jumper wire	 black	 black
<b>C/R10</b>	(see Capacitors)		
<b>R11</b>	150k	 brown-green-yellow	 brown-green-black-orange
<b>R12 (Gain Control)</b>	25k Log Potentiometer		
<b>C/R13</b>	(see Capacitors)		
<b>C/R14</b>	(see Capacitors)		
<b>C/R15</b>	0 ohm or jumper wire	 black	 black
<b>R16</b>	1k	 brown-black-red	 brown-black-black-brown
<b>R17</b>	none		
<b>R18</b>	none		
<b>R19</b>	none		











## Direct Box, Active Isolated Bill of Materials

*Version 2017November17*

*Copyright 2017 JD Sleep*

*Permission refused for posting/serving this file from any site other than [www.generalguitargadgets.com](http://www.generalguitargadgets.com)*

*Trademarks are property of their owners*

R20	none		
R21	10k	 brown-black-orange	 brown-black-black-red
R22	10k	 brown-black-orange	 brown-black-black-red
R23	none		
R24	none		
R25	4k7 (4.7k)	 yellow-violet-red	 yellow-violet-black-brown
R26	4k7 (4.7k)	 yellow-violet-red	 yellow-violet-black-brown

### Capacitors:

Capacitor ID	Value	Type	Possible Marking
C/R1	(see Resistors)		
C/R2	10 $\mu$ F	Aluminum Electrolytic	10 $\mu$ F
C3	10pF	Ceramic	10 or 10p
C4	none		
C/R5	100pF	Ceramic	100pF
C/R6	10 $\mu$ F	Aluminum Electrolytic	10 $\mu$ F
C/R7	(see Resistors)		
C8	None		
C/R9	(see Resistors)		
C/R10	(see Resistors)		
C11	10pF	Ceramic	10 or 10p
C12	none		
C/R13	100pF	Ceramic	100pF
C/R14	10 $\mu$ F	Aluminum Electrolytic	10 $\mu$ F
C/R15	(see Resistors)		
C16	none		
C17	47 $\mu$ F	Aluminum Electrolytic	47 $\mu$ F
C18	47 $\mu$ F	Aluminum Electrolytic	47 $\mu$ F



## Direct Box, Active Isolated Bill of Materials

*Version 2017November17*

*Copyright 2017 JD Sleep*

*Permission refused for posting/serving this file from any site other than [www.generalguitargadgets.com](http://www.generalguitargadgets.com)*

*Trademarks are property of their owners*

### Potentiometers:

Part ID	Value	Type
<b>R4 - Gain Control</b>	25k	Log Taper
<b>R12 - Gain Control</b>	25k	Log Taper

### Other:

Part ID	Part Name
<b>IC1</b>	TL072 or other dual opamp
<b>J1</b>	Stereo quarter-inch Jack
<b>J2</b>	A3M XLR Jack
<b>J3</b>	DC Jack
<b>J4</b>	Stereo quarter-inch Jack
<b>J5</b>	A3M XLR Jack
<b>B1</b>	9 volt battery (not included in the Kit)
<b>Misc</b>	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs