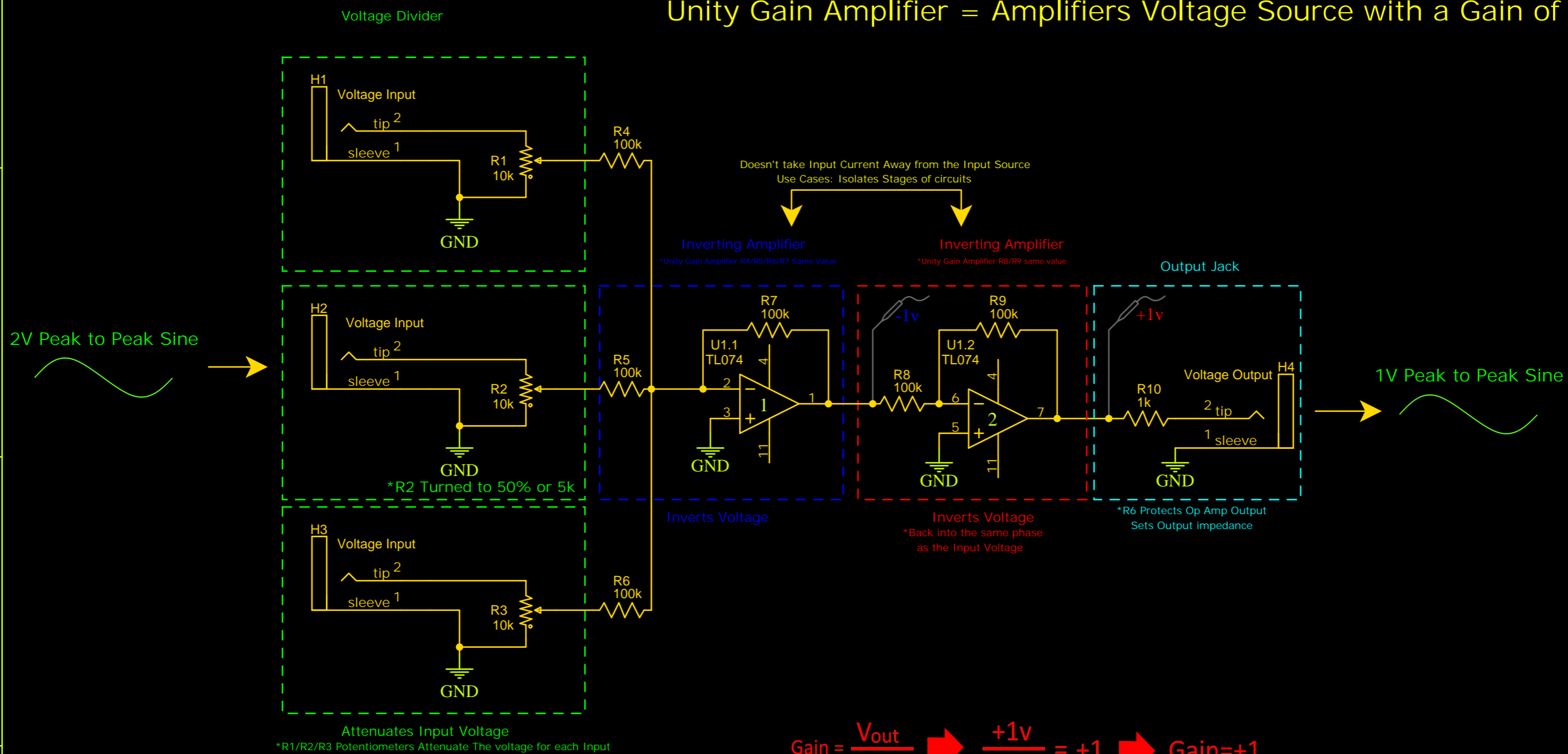


# Mixer Building Blocks

Unity Gain Amplifier = Amplifiers Voltage Source with a Gain of 1:1



**Legend**

V<sub>out</sub> =Voltage Output  
V<sub>in</sub> =Voltage Input

R<sub>f</sub> =Feedback Resistor  
R<sub>in</sub>=Resistor In

Gain = Amplitude

Formula Inverting Ampifier

$$\text{Gain} = \frac{V_{out}}{V_{in}} = -\frac{R_f}{R_{in}}$$



TITLE: 3x Input 1x Output Mixer Building Blocks		REV: 1.0
Company: CircularTonic	Sheet: 1/1	
Date: 2021-02-07	Drawn By: Neil Mundt	

