

Buttons/switches used on the Nexys 4 board and their functionality

Switches/Button	Function
Switch SW0(U9)	Enable/disable tone control
Switch SW1(U8)	Set to '1' to change amplification of base
Switch SW2(R7)	Set to '1' to change amplification of mid-range
Switch SW3(R6)	Set to '1' to change amplification of treble
Switch SW4(R5)	Enable/disable echo sound effect
Switch SW5(V6)	Echo delay
Switch SW6(V5)	Echo amplification factor
Button BTNU(F15)	Increase amplification of currently chosen band (band chosen by SW1-3)
Button BTND(V10)	Decrease amplification of currently chosen band (band chosen by SW1-3)