



# Welcome to The Hardware Lab!

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**How to Use The Speaker**

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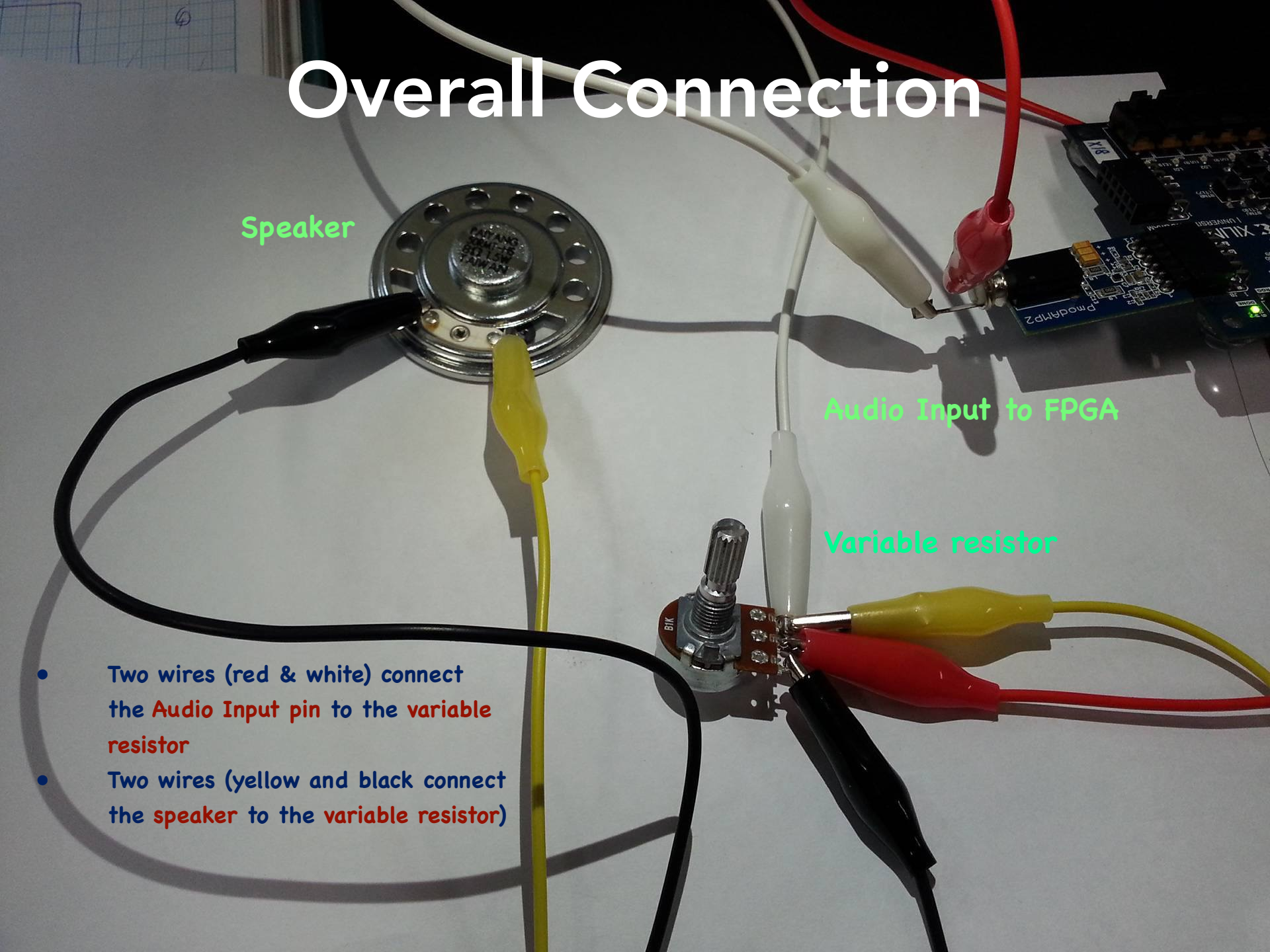
# Overall Connection

Speaker

Audio Input to FPGA

Variable resistor

- Two wires (red & white) connect the **Audio Input** pin to the **variable resistor**
- Two wires (yellow and black) connect the **speaker** to the **variable resistor**





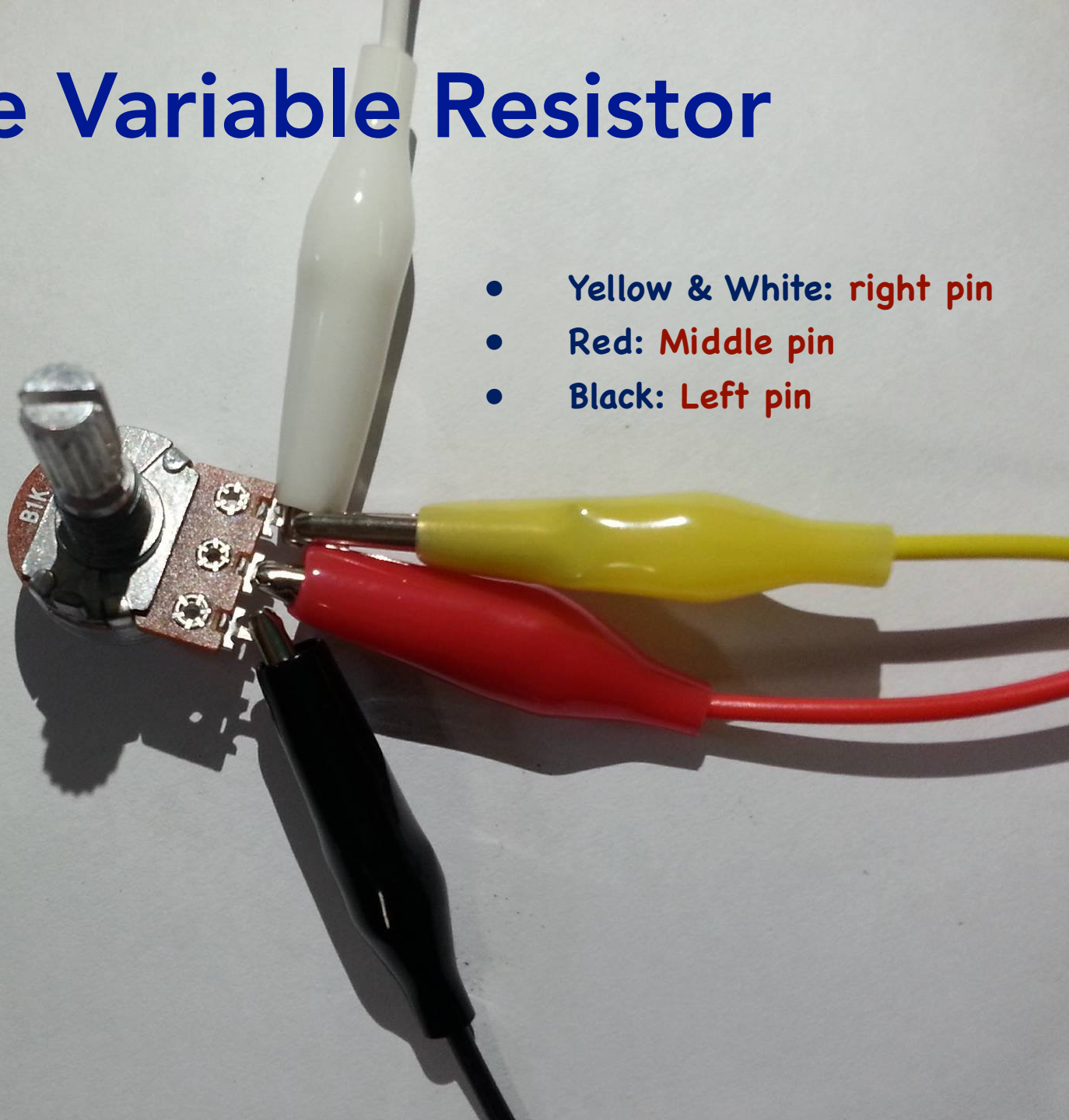
# The Speaker Module

- Two pins (yellow & black) are connected to the speaker module



# The Variable Resistor

- Yellow & White: right pin
- Red: Middle pin
- Black: Left pin





# The Audio Input Pin



- Red: Short pin
- White: Long pin