



# Thereminium

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An IoT project by Camille MATHIEU and Timothé CHAUVET

# OBJECTIVE

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Make a mini theremin



# HARDWARE

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Controller (Arduino UNO)  
2x Ultrasound receiver (HC-SR04)  
Amplifier  
Speaker  
Breadboard  
3D printer material / cardboard



# STEPS

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Find components  
Assemble the prototype  
Code  
Assemble the 3D box





# BONUS

- Recognize the movement shape
- / Make an aerial telecommand
- Integrate the prototype with Luminus' API