



Radio Transmitter

By JP and Zack



Goal

Create a small portable radio transmitter which can broadcast a radio wave from an audio jack.



What is it?

- Small Radio transmitter
- Broadcasts over a 100-300 ft range
- Uses an 3.5 mm audio jack
- Powered by 9v battery



Materials

- Ceramic capacitors
- Electrolytic capacitor
- 9v Battery
- Hookup Wire
- Audio plug
- Resistors
- [18 gauge solid wire](#)
- Velcro
- [NPN transistor](#)
- [Copper clad board](#)
- [Battery clip](#)



Timeline

- January 30 - Gather materials and plan out assembly
- February 15 - Assemble materials and get device working
- March 1 - Get radio and make sure it is functional