

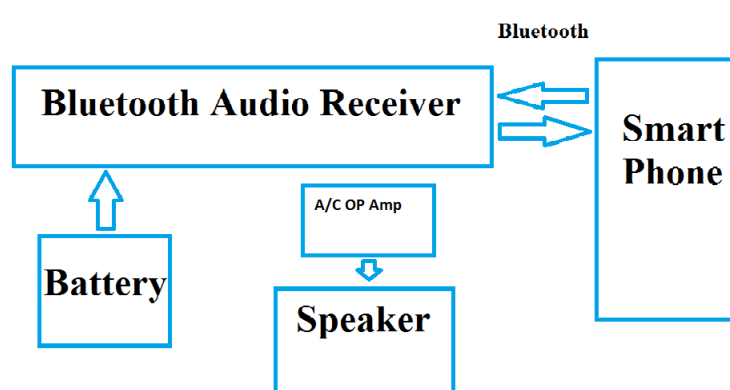
# Bluetooth Key Finder, 03/17/2013

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## Problem Definition

- Build a device that you can attach to a key chain or wallet that attaches through bluetooth
- Knowledge of bluetooth, basic circuit analysis, OP amps, soldering.
- Have a project prototype completed by 3/18/2013
- Bluetooth receiver, Op amp, cell phone speaker, internet.

## Solution Specifications



Bluetooth v2.0+edir, support a2dp  
Battery – Droid Incredible Phone  
Loudspeaker – Droid Incredible  
OP Amp – to be determined

## Competitive Analysis

- Our product as is right now is not user friendly or aesthetically pleasing. It's also too big and has exposed components. The competitors products are smaller, enclosed, and most likely more reliable than our product right now.

## Potential Applications

- Put device in wallet or on key chain to generate a song or sound when connected through bluetooth. Other applications are limitless. You could put this device with anything valuable that you didn't want to lose.

## Future Improvement Ideas

- Add an OP Amp, Add a port for recharging the battery, smaller and more compact, better sound through speaker, reliability(no dropped connections)

**Instructions:**

- 1) Use the previous page as a template to create a 11"x17" page data sheet and name the file the same as project title.
- 2) Create a project report in pdf format that including a description, schematics, part list and any other results . Name the file the same as the project title.
- 3) Upload data sheet and report to Moodle by the due date (ie. Great project data sheet.psf and Great project report.pdf)
- 4) Prepare to present in class and in club by due date.