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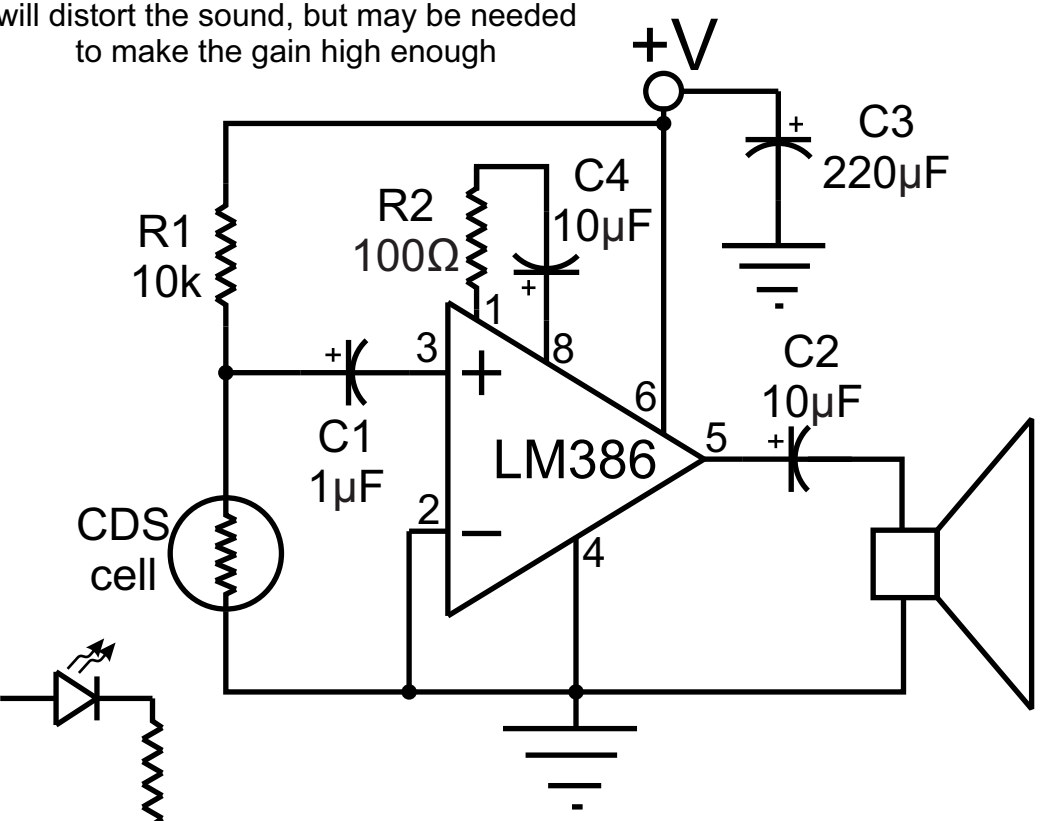
Lightwave telephone

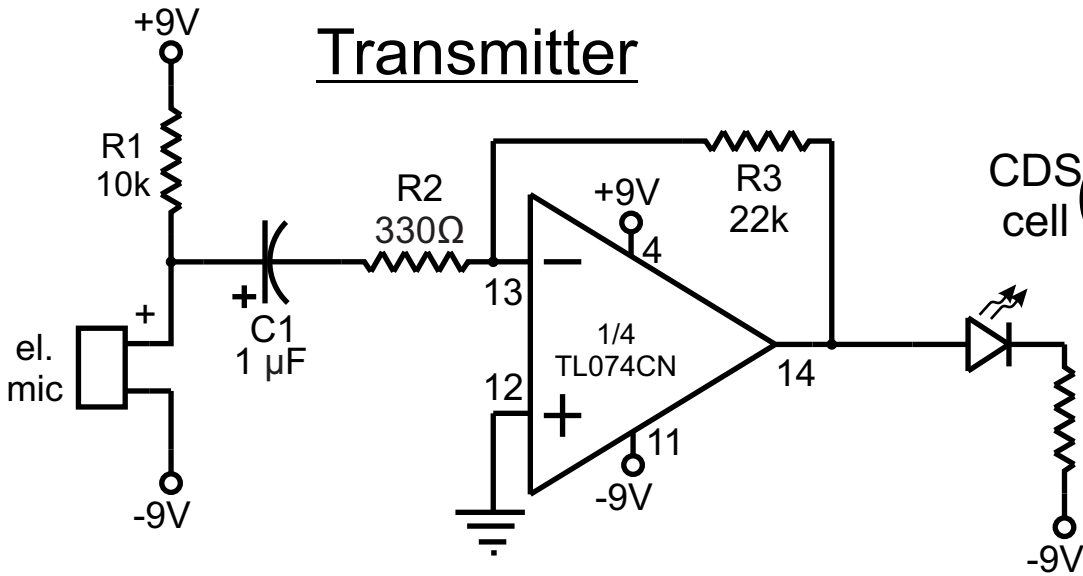
Receiver will convert any light modulation into sound. So 60 hz from nearby lights will be picked up. Will also pick up light modulated by reflection off of a vibrating surface. Light from the LED on the transmitter is shone on the CDS cell of the receiver to talk on a lightwave. Use lenses to increase the transmission distance.

Receiver

Capacitor and resistor from pin 8 to 1 will distort the sound, but may be needed to make the gain high enough



Transmitter



Note: LED goes to -9V, NOT ground! This holds the LED in forward bias and the output varies its intensity.