SIMPLE AUDIO AMPLIFIER

This circuit is made of three parts:

Pre-amp
Made up of IC1, a basic non-inverting amplifier

Volume
VR1 potentiometer

Power amp
IC2, Q1 and Q2. The op-amp is needed to prevent Cross-over distortion.

It uses vary basic principles and will produce about 1W of power maximum with 20mV input. There are lots of improvements to be made to this design, especially if you want to increase the power output.

Graph of XSC1

Gain approx 210