



## Sonar Controlled Interactive Music Display

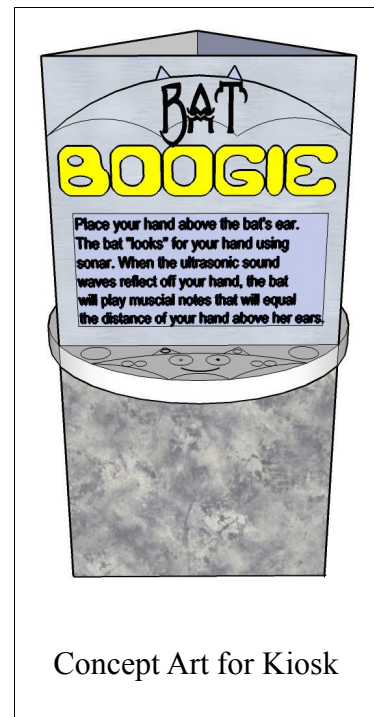
- Summary: Patrons use ultrasonic sound to control audible sound.
- Number of people the unit can serve: **6**
- Floor space required: **<10 sq ft**
- Based on proven “Thereping” technology featured in Nuts and Volts magazine and SPIN magazine

The concept of the Bat Boogie is to combine hands-on experimentation with sonar range finders while providing a compelling and fun experience in music.

A Bat Boogie Kiosk has three sides and each side presents a friendly stylized “bat” with two “ears”. Each “ear” uses a sonar range finder to detect the presence and distance of a patrons hand.

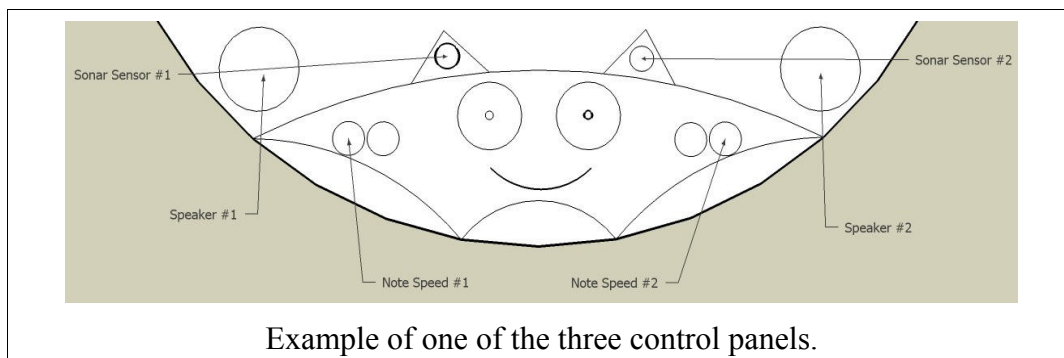
Once the hand is detected, musical tones are played that are proportional in pitch to the position of the hand above the bat's “ear”. The closer the hand, the higher the pitch and vice/versa.

To make the experience more exciting and engaging, a bass and drum track is played as an accompaniment to the patron generated musical “lead”.



Concept Art for Kiosk

Patrons will have a chance to experiment with sonar rangefinders and make music at the same time.



Example of one of the three control panels.