

EE2001 Team 2-2

Tsim Box

Movable Mp3 Player that brings Music and Magic everywhere.



Interesting features:

LCD with resistive touch-screen:

the ability to draw, type and select mode

Wireless Communication with LCD with resistive touch-screen: *the ability to interface with the computer and PIC.(controlling mouse)*

Wireless Communication with LCD with resistive touch-screen: *the ability to post status on internet (facebook or email)*

Mp3 and wireless communication: *the ability to transfer song straight from computer and play it from PIC.*

Mp3 and movement: *the ability to dance around based on the music. It can also intelligently follow a light source. Furthermore, it can be controlled by keyboard and speech commands.*



Hardwares:

Graphical LCD(GLCD)	Ultrasonic sensor RSF05	Xbee module	Tri-state Buffer
Audio Decoder STA013	Digital To Analog Converter	LDR	Microphone
LM358 amplifier	Continuous rotation servo	Touch screen	Keyboard

- TSIM box is an entertainment console. It can entertain an individual and it can also entertain a room of people.
- TSIM box is by far, the only mp3 player that can access and control the computer directly. On top of that, it can access to internet.
- TSIM box is the only MP3 player that can move around on the request of the user. On top of that TSIM box can dance to music too.

Video of our Project.

[TSIMvfinal.mp4](#)