

XX鬧鐘

指導老師：XXX

組員：黃 XX 陳 XX 戴 XX 周 XX

建國科技大學 電子工程系

一、簡介：

一個具有錄放音，無線充電的鬧鐘。

二、動機：

一般的鬧鐘太容易被關閉也無法有效的叫醒使用者，以這個為出發點從而去修改一般鬧鐘的缺失。

三、功能：

語音備忘功能可以提醒使用著當天重要事項，關閉模式需要使用者強制起身把鬧鐘放回充電座上才能關閉鬧鈴。

四、特色：

鬧鐘有語音備忘功能與不容易被關閉的模式。

五、原理：

利用 8051 IC 和運算放大器、類比開關，負緣觸發，當訊號鬧鐘本身訊號為 1，設定鬧鈴時間一到訊號輸入進運算放大器，觸發開關，把我們設計的錄放音取代原本的鬧鈴聲音。加入無線充電模組，具有充電功能，當鬧鐘放回充電座上時，訊號為 1，停止動作。

六、設備：

錄音 IC、運算放大器 IC、類比開關 IC、8051 IC、無線充電模組、昇壓 IC、穩壓 IC

七、運用時機：

當天有重要事情時，可以設定鬧鐘加入錄音，時間一到可以提醒當事人，強制起身放回充電座上，達到起床與提醒效果。

八、指導老師評語：

具有創意，但作品外觀應加強美化。

九、業界認證：

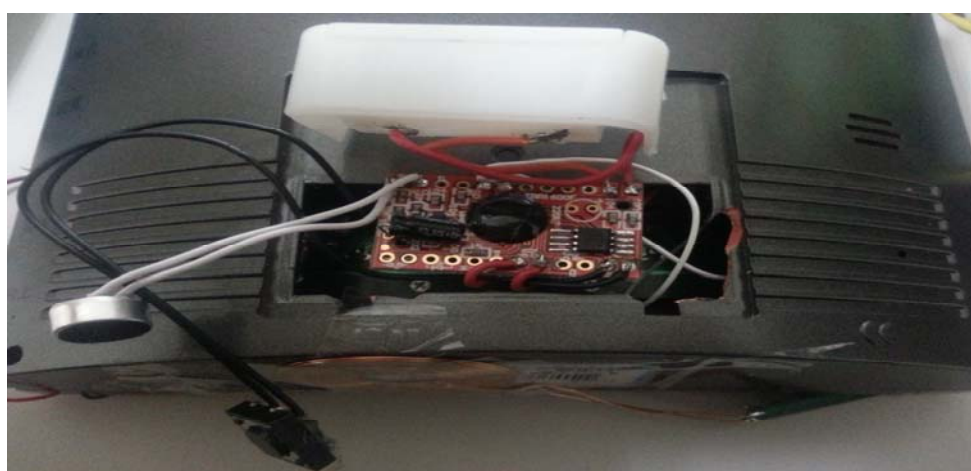
公司名稱：XX 機器廠

負責人：XX 富

聯絡電話：(04) 99999999

評語：很生活化的作品

十、專題（或作品）結構圖、或照片（1-2 張）：



Lazy alarm clock

Advisor: XXXX

Members: Huang Wei-lin, Chen Boyu, Dai Yu Ren ,Zhou Wei-Ting

Department of Electronic Engineering, Chienkuo Technology University

1. Introduction:

One thing has recording, wireless charging alarm clock.

2. Motivation:

General alarm can not be turned off too easily wake valid user, use this as a starting point in order to modify the lack of general alarm.

3. Purpose:

Voice memo function can alert the user to important events that day, off mode requires the user to perform the alarm back in the cradle to turn off the alarm.

4. Characteristic:

Alarm voice memo function and can not be easily closed mode.


5. Principle:

Use 8051 IC and operational amplifiers, Analog Switches, negative edge triggered, When the alarm signal is a signal itself, Time to set the alarm signal input into an operational amplifier, A trigger switch, We designed the sound recording to replace the original alarm sounds. A wireless charging module gives charging function, and when the alarm back in the cradle, as a signal to stop the operation.

6. Methods:

Recording IC, op amp IC, analog switch IC, 8051 IC, wireless charging module, boost IC, regulator IC

7. Conclusion:

 When there are important things that day, you can set the alarm to join the recording, the time to remind the parties, forced back into the charging stand up, to get up and remind effects.

8. Advisor's Comments:

With creative, but the work should look to beautify

9. Corporate Certification of the Project Report:

Company: Dongming Machinery Factory

Responsible Person/ Representative:

Telephone: (04) 33481251

Comments: Daily life's work

10. Picture:

