

Cluster Bells Circuit Description

Transmitter :

Main Power Input by “AA” x4 battery (6v DC) or adaptor 6V 400mA and pass diode D2 or D3 give direct current ,provide 5.5V DC voltage to Audio Amplifier IC SPC0030 and music control IC (GPH8256) and Using D2 diode 1n4148 provide 4.8 V DC voltage to RF transmitter module board (include IC PT4450) and IC PT2262.

When unit power up. Music IC GPH8256 will detect s1 position. If S1 is on the normal position , Music will play continues . If S1 is on the pasg position, music will play once . When music IC start to play music , the pin IOB6 on GPH8256 will give a pulse signal to enable PT2262 transmit.

PT2262 encode data to serial coded waveform though resistor RR17 pass to PT4450, PT4450 will modular data to ASK/OOK and then transmit .433.96MHz is a SAW oscillator for PT 4450.