

# Circuit Description of BeeBird

Music signal from MP3 is modulated and then transmitted to the FM radio at the high frequency from 88.1MHZ to 107.9MHZ, step 0.1MHZ, which can be used to listen MP3 music in the car FM radio system.

The circuit includes the following block function:

- Power supply
- MCU controller system
- Audio input circuits
- PLL transmit

Power supply circuits include the DC-DC parts, the DC-DC circuit that convert the 1.5V battery to 3.3V for system work

MCU controller system include the LCD display, Key interrupt, PLL data transform and Audio signal FM modulate  
Audio input circuits that

PLL and RF transmit that adjust the correct transmitting frequency according to the data from MCU, user can set the right frequency by adjust the key UP or DOWN, and then the signal can be transmitted by the antenna.