

BASE

Circuit Description

There are 5 parts in base Unit : RF Module , MCU , Baseband , i-Pod Interface, and LED / Key Board.

The MCU IC (U701) controls the whole base. The 4.0MHz (X700) crystal provides clock timing for U701 and 13.824MHz (X1) crystal provides clock timing for baseband IC U2.

Through RF Modules (U4), the MCU gets key-press information from remoter and sends back acknowledge signal to remoter. The system parameter is saved in U2 and U701. LED1 and LED2 are indicator lights which indicate the status of the system. The i-Pod interface connects to MCU(U701).

Power supply provide DC9V – 2A

RF Module

The RF Module consists of 4 portions :

Control IC (U4) control the whole RF module.

ANT is a PCB antenna which can receive & send RF signals.

RF Module connect the Base Control circuit through U2.

U3 & U6 provide the regulated DC voltages to RF Module.