

Operational Description

1.Power circuit

DC JACK B1.C10.R1.C7.R2.Q3.D4.R17.C16and BATT1 compose the power supply circuit. you input 12V voltage which transfer 3V and supply to transmitter working, when

ON/OFF switch ,the light LED1 is on\ff by R6

2.Power transmtter circuit

R23.Q1.C1.R20.Q4.C13 compose power transmtter circuit.

Electric current is supplied by battery. (Size:AAA)

Power source

3.Power supply by car plug.

Audio singal compose of R11.R12.C3.C5.R3.R22.R21.R7.R35 ,audio test singal compose of R26.C9.R25.R24.Q6. when 55 senconds no singal input ,U2 output singal control transfer power off

4 .cpu circiut

7.6M crystal oscillator driver for U2.The output of U1 has the matching network consisting of X2.R28.C19 . C20 which compose CPU control circuit

5.frequency control circuit

s1.s2.s3.s4.s5.s6.s7r9.r10r27.r19.r32 composing of swith controlling and controlling frequency change ;

6.display circuit

R4.R18.R5.LCD8341 compose display which control by U2

7.Antenna ground and power source

The antenna is PCB antenna, there is no external ground connection. The ground is only that of the printed circuit board.

8.RF vibrate circuit

R34.R37.C28.Q2C23.R25.L2.R36.C35.C14.D5.C6 compose RF vibrate citciut,which output AC singal amplifier

9.Rf amplifier circuit

C15.C3.C2.R29.Q5.C3 compose RF amplifier circuit which can amplifier vibrate singal

10.phase-locked circuit

C4.C3.C18.C21.R13.R16.R14.C22.C23 compose phase-locked circuit which lock frequency.

11.Stereo singal modulate

U2 inside coding output singal by R31 to modulate