

HP-WH2980 WIRELESS HEADPHONES

TRANSMITTER

Operating Elements

1. Power supply: Used “UL” approbatory AC adaptor, DC 12 input.
2. DC jack input about DC12V/200mA DC source, 9V issued by MC7809 regulator ICs, supply to RF OSC and RF issued circuit and audio primary amplifier ICs consume; Q4 and 3.6V zener composing 3.0V regulator, it's power to stereo modulation ICs BA1404 .
3. Audio jack input stereo audio signal, inside circuit can equalizer and primary amplifier the signal with ALC. it's used KA22241 dual amplifier ICs.
4. From primary amplifier signal issued to specific L.C B.P.F ,then send to stereo modulation ICs.
5. The BA1404 is a stereo modulation ICs, it have R-ch and L-ch primary amplifier , pilot OSC, MPX mixer, RF OSC, etc. But WH2980 not used RF OSC functions.
6. The BA1404 out put MPX signal to Q1, Q1 and peripherally 49.85MHz crystal composing oscillation and frequency modulation circuit. IFT3 and C53 resonance about 49.85MHz.
7. Q2 and peripherally L9 composing primary 49.85MHz amplifier .
8. Q3 and peripherally L10 composing second amplifier

9. The out put emanated by a 50Ω impedance unilateral antenna.
10. The power ON/OFF switched by SW1, D2 direction ON or OFF.