

H102 Operation Description

Operation Frequency: 88.1M-107.9MHz

Modulation Type: FM

Audio signal inputs from L and R channels.

Audio signal enters to IC 80110 for stereo coding via R1, R2, C1, C2, C7 and C8. The coded signal is oscillated and modulated to Q3. MCU controls transmission frequencies in the range of 88.1 – 107.9 MHz.

Audio signal is amplified by Q4 & Q5 through circuit R12, R13, C22 and C23. The signal is then rectified by D1 & D2 and is filtered by C26, after that it is amplified by Q6 and via Q7 sent to pin 49 of MCU. The unit is in normal operation when the pin 49 of MCU is with voltage level 1. The unit will shut down after 50 seconds if the pin 49 of MCU is with voltage level 0.

U2 is a memory IC, it saves 9 transmission frequencies with MCU.