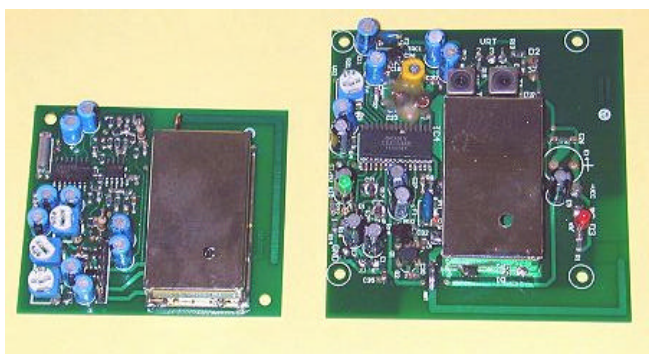


# 900MHz Hi-Fi Stereo signal forwarding system

## **Model No. UD900RT02**

(US Patent No. 5,870,005)

The system consists of a FM stereo MPX Transmitter module for sending out the Hi-Fi audio at 900MHz and also a 900MHz receiver to retrieve the audio output to any Hi-Fi system input.



<b>A. Transmitter module specification (UD900RT02-T)</b>	
1. Frequency Coverage	: 912 – 914 MHz
2. Modulation	: FM with stereo MPX
3. MPX sub-carrier frequency	: 19 KHz pilot tone carrier
4. FM input audio pre-emphases	: 75 $\mu$ s
5. Audio input impedance	: 50K Ohm
6. Audio input level	: 200mV
7. RF Out level	: 0dBm
8. Transmitting antenna	: concealed & integrated
9. Power supply	: +5V DC (+/- 5%)
10. Current consumption	: 80 mA max

<b>B. Receiver Module specification (UD900RT02-R)</b>	
1. Frequency Coverage	: 911.5 – 914.5 MHz
2. Sensitivity	: 8 $\mu$ V @S/N =30dB
3. Audio output level	: 100mV (L=R)
4. Audio output impedance	: 1K Ohm
5. Signal to Noise ratio	: 45dB min.
6. Frequency Response	: 50 – 12 KHz
7. Distortion	: 0.6%
8. Power supply	: +8 ~ +12V
9. Current consumption	: 85mA max
10. Receiving Antenna	: concealed and Integrated

**C. Effective operating range : 80 meter at open field**

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