

CARDIO-THEATER SINGLE CHANNEL LOW COST SYSTEM

The LCS-1 single channel Transmitter

The audio stereo signal comes to electronic volume control and then to stereo modulator. Composite stereo signal is then used for direct FM modulating the VCO at 905 - 925 MHz.

Signal from VCO then goes to power amplifier and harmonic suppression filter and after amplification goes to antenna. The PIC microcontroller and EEPROM provides all controls, memory and display functions. The user can program one of 52 RF channels, and volume.

Clock/Oscillator Frequencies: 38 kHz, 4 MHz, 905 -925 MHz