

Block Diagram of E9000

The E9000 has 5 PCB boards:

1. 900 MHz FM audio transmitter
Audio is fed into an FM stereo modulator which is then added to a 900 MHz carrier signal for transmission. The 900 MHz signal is generated by a standard synthesizer (LMX2332) and VCO combination. The output is filtered to reduce harmonics.
2. Video board for driving cable tv onto an LCD screen
3. CD control board to control a front-loading CD player
4. Tape control board to manage a full logic cassette mechanism
5. A control board consisting of several micro's and an audio processor with a DSP and CODEC.

The block diagram is shown on the next page.

Whole System

