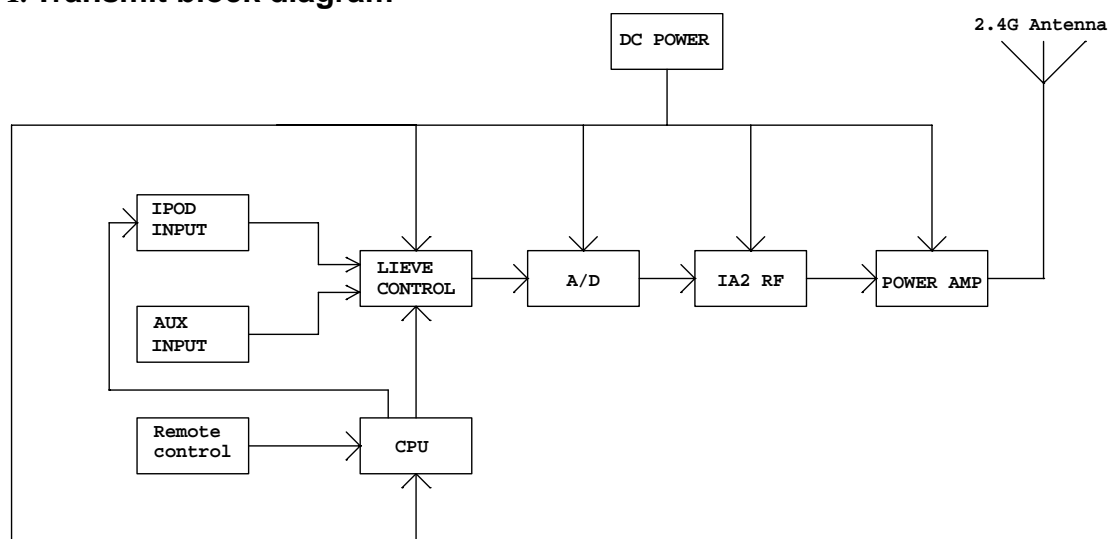


2.4G Wireless Audio transmission system working principle

2008-11-24

1. Transmit block diagram



2. Transmit working principle:

A. LIEVE control is a switch that can detect audio input source automatically: iPod or AUX. When iPod is working, AUX will be shut down; vice versa.

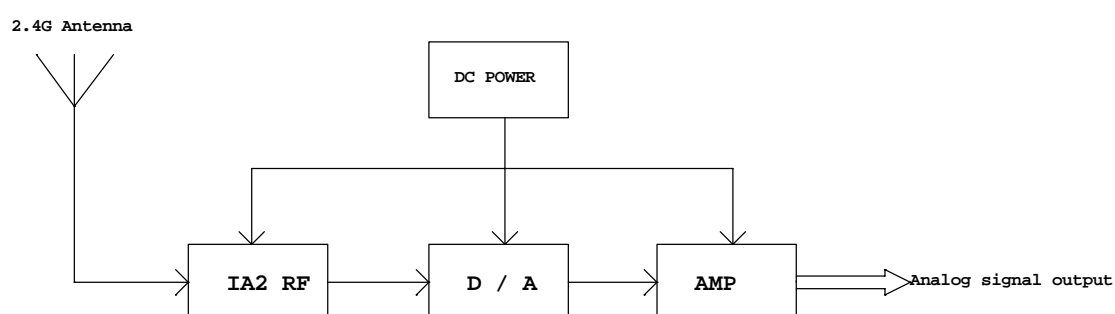
B. Volume is controlled by remote control via internal CPU.

C. LIEVE control will transfer analog audio signal to A/D

D. A/D will convert analog audio signal to digital audio signal and then send to IA2 RF to process.

E. Finally, processed signal will be sent to power AMP to zoom out and then transmit via 2.4G antenna.

3. Receiver block diagram



4. Receiver working principle:

A. Digital audio signal will be received by IA2 RF via 2.4G antenna and then sent to D/A.

B. D/A will convert digital audio signal to analog audio signal and then sent to AMP.

C. AMP zooms out the analog audio signal and then sends out the final signal.