

Applicant: Dongguan Southstar Electronics Limited  
FCC ID: X8C-EE10A1

## **Operation Description**

The device uses the 2.4GHz GFSK single chip RF Transceiver nRF24L01 with embedded protocol engine (Enhanced ShockBurst™) and High performance MCU MARS MR8980B. MR8980B control the RF transceiver nRF24L01 through SPI interface. nRF24L01 receive the audio and video data sent by transmitter end. The on-chip DSP decompress the audio and video data, then show video on 320X240 resolution TFT LCD screen and play audio through the speaker. One receiver can paired with up to 4 transmitters at the same time. The receiver can choose to connect to any transmitter and can switch to others at any time.

Antenna is a unique antenna. Common grounding on PCB is not connected to real external ground. Power supply is DC 3.7V by Standard Lithium Battery or DC 7.5V by adapter.