

## Operational Description

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This product is a wireless MIC system.

nRF24Z1 is a 4 Mbit/s single chip RF transceiver that operates in the world wide 2.4 GHz ISM band. The device offers a wireless channel for seamless streaming compressed audio in parallel with a low data rate control channel.

As all processing related to audio I/O, RF protocol and RF link management is embedded, the device offers a transparent audio channel with capacity of up to 1.54Mbit/s, with no true time processing needed. The nRF24Z1 can be utilized in systems used in conjunction with simple microcontroller that only need to handle low speed tasks over the serial ports.

The control signals and audio data in the nRF24Z1 are modulated and processed and then pass the PA in it. They will be transmitted from ANT through the Filter to audio receiver. The RF signal from audio transmitter is received ANT. And they go through Filter into the nRF24Z1.

