

# Operation Description

Launch receiving process principle:

The voice through cartridge into speech compression processing chip (31101), after dressing and beautification, through aggravating circuit handling then gets higher SNR. Then will the audio signal processing, the modulation of speech signal by modulation (MHz 174.2 - MHz215.8) software-processable through the antenna then output.

By the receiving antenna catches radio-frequency carrier frequency signal, sent to rf input. High frequency signal through the oscillation (MHz 174.2-215.8 MHz) circuit and frequency mixing circuit into fixed intermediate frequency signal 10.7 MHz. to improve the sensitivity and selective frequency signal(10.7M) intermediate frequency signal be enlarged. It ancient frequency automatic gain control circuit (AGC) to get by detection circuit of signal. The detection of low frequency signal be enlarged by the low frequency amplifier, send to language processing chip (31101), and finally increase treatmented then output.