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- In the early days of radio, tubes had poor high-frequency response - a few MHz at best. Receivers consisted of tuned RF amplifiers, a detector, and audio gain. This was the homodyne (direct conversion) receiver.
- In 1917, in order to get more gain, Major Edwin H. Armstrong decided to convert (mix) the radio frequency (RF) signal to a lower, fixed intermediate frequency (IF), where tubes had lots of gain. He named his invention the "super-heterodyne" receiver.



Major Edwin H. Armstrong

ANALOG DEVICES























