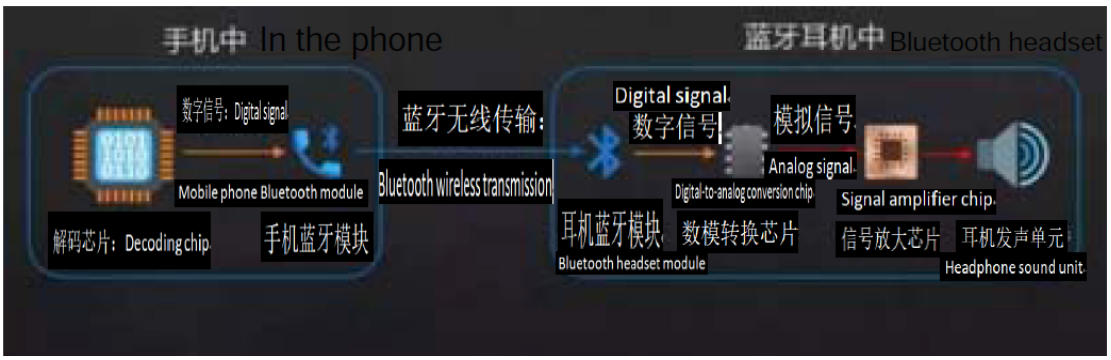
The working principle of Bluetooth headsets can be roughly divided into four steps as shown in the figure:



1、The decoding chipin the mobile phone decodes music files such as MP3, generates a digital signal and sends it to the Bluetooth headset via Bluetooth；

2、The Bluetooth headset receives the digital signal and converts it into an analog signal that can be understood by human ears through the digital-to-analog conversion chip (AC6969A) inside the Bluetooth headset；

3、The internal amplifier of the Bluetooth chip amplifies the analog signal；

4、The headphone unit receives the amplified signal and emits sound, and then the ear hears the sound of music.

Crystal oscillator： 24MHz

Frequency Range:2402-2480MHz