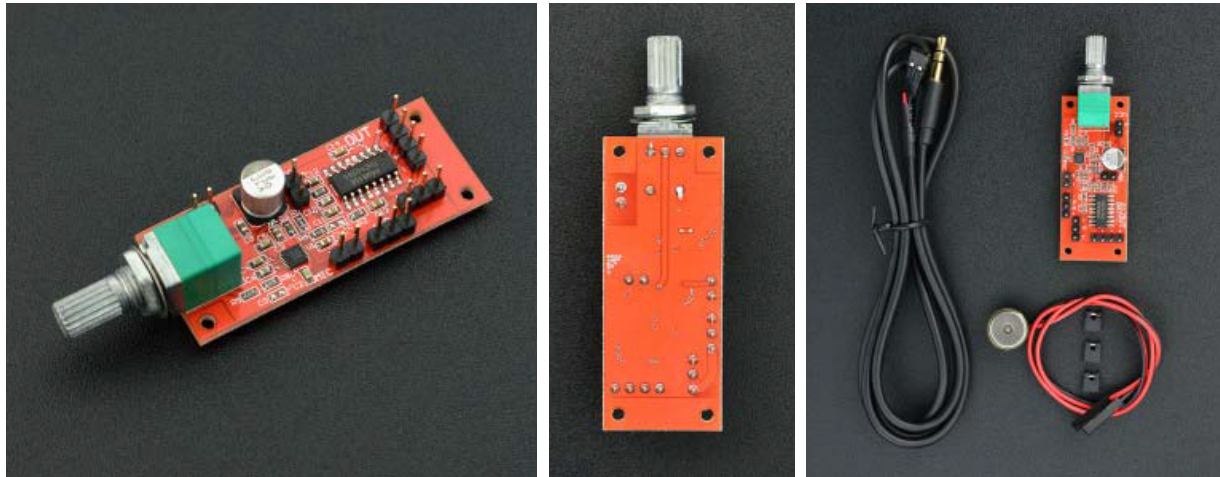
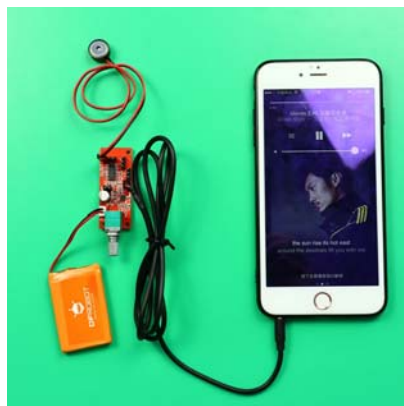


## Bone Conduction Kit SKU:KIT0126



### INTRODUCTION

Bone conduction is a way of sound transmission. The sound is converted into different frequencies of mechanical vibration, and transmitted through human skull, bone labyrinth, inner ear lymphatic transmission, helix, auditory nerve, auditory center.



Bone conduction headphones

This kit is composed by a bone conduction speaker, a speaker driver board and other kinds of accessories. This kit is intended to help understand the principles of bone conduction technology, making hearing aids or bone conduction headphones.

The speaker driver board is designed based on MAX9814 microphone amplifier and PAM8406 amplifier, high sensitivity, suitable for 3.6v-4.2v lithium battery power supply. It comes with a potentiometer which has power switch function, easy to control.



Components	Description
Volume Switch	
Power Input	3.0~5.5V
AGC Switch	Plugged: AGC OFF Unplugged: AGC ON
Audio Input	Audio Input
Audio Output	Audio Output (L/R)
Gain	GAIN = VDD, Gain = 40dB ; GAIN = GND, Gain = 50dB ; GAIN = Vacant, Gain = 60dB。
A/R	Activate/Release ratio, Control the AGC activate/release time ratio: A/R = GND: Activate/Release ratio = 1:500 A/R = VDD: Activate/Release ratio = 1:2000 A/R = Vacant: Activate/Release ratio = 1:4000

## **SPECIFICATION**

- Operating Voltage: DC 3.0-5.5v
- Board Wiring Pitch: 2.54mm
- Phone Cable: 100cm
- Speaker Cable: 30cm
- Headphone Size: 13mm (D) \* 5mm (H)
- Board Dimension: 50 \* 20 mm/1.97\*0.79 inches
- Weight: 36g

## **SHIPPING LIST**

- Bone conduction speaker x1
- Speaker driver board x1
- 3.5mm earphone cable x1