



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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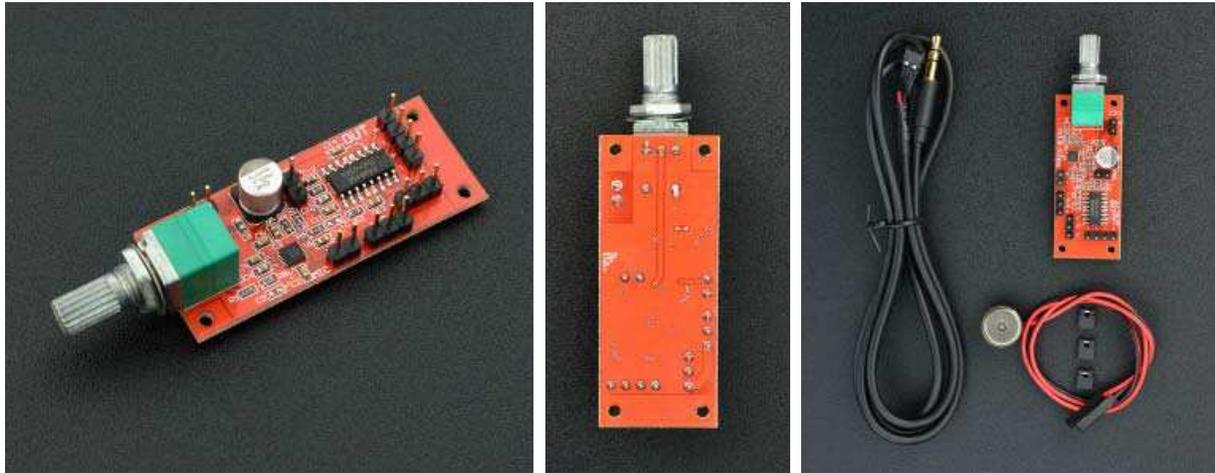
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Bone Conduction Kit SKU:KIT0126



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