

SHENZHEN KMODA PLASTIC HARDWARE CO., LTD

(Product Specifications)

(Product name) : True Wireless Earbuds

(Model No) : [Asivio One](#)

(Sector) : Engineering Departments

(Date) : October 14, 2021

FCC ID:2A3BX-ASIVIO

(Product Specifications)

1. Scope of Application
2. Appearance Size
3. Product Structure Diagram
4. Basic Product Parameters
5. Product Features and Operating

1. Scope of Application v5.0

2. Appearance Size



2. Product Structure Diagram



3. Basic product parameters

Paring name: Asivio One

Earphone battery Type: Polymer battery

Version: BT5.0

Earphone battery capacity 35mAh

chip QCC3040

Headphone charging current:35mA

Model: HFP , HSP , AVRCP , A2DP

Charging time: 1H

Signal to noise ratio:≥93dB A

Constant power 3mW

Maximum power 5mW

charging base battery capacity: 350mA

Single-ear base charging current 350mA (Max)

Frequency response 20-20khz

Impedance:16ohm

Sensitivity:115dB

Headset distortion THD $\leq 3.0\%$ AT 1mW/ 100HZ-4khz Shutdown current $6\pm 5\mu A$

Headset size :23.2*21.7*20.5mm (including ear cap)

Charging case size: 59*32*25mm

Headset (single) weight 3.9G

Headset current :7mA

Bluetooth distance ≥ 10 M

Accessories charging line: L=0.3m \pm 10mm

charging Case charging time 2-3 hours

Static current 1.5mA

Music time is t 5-6 hours

Talk time t 5-6 hours

Music playback current 8mA ± 2 (host) 6mA ± 2 (secondary)

SPK specifications:

Outer diameter ϕ 6.0mm

High 4.9 \pm 0.3mm resistance $\leq 200 \omega$

Resistance :16 OHM \pm 15%

SPK sensitivity :115dB \pm 2.5dB(at 1KHz), 1mW

SPK Rated power :3mW sensitivity -42 \pm 3dB (0dB=1V/ Pa)

SPK maximum power: 5mW SNR ≥ 57 dB

Frequency range: 20HZ-20khz (at: 0.22V / 20HZ-3khz)

Distortion rate $\leq 3\%$ (at: 1mW/ 100HZ-5khz)

MIC specifications:

Outer diameter/height of MIC:2.75*1.85*0.95M

frequency : 100Hz to 8000Hz

consumption current $\leq 80\mu A$ (at: 1000Hz)

operating voltage 1.6-3.6V

Measurement Circuit:

4. Product Features and operating

5.1 Product description

This product is a true wireless stereo Bluetooth headset, Bluetooth version V5.0.

5.2 Product functions and operating instructions:

Function Current status Operation method LED indication Prompt tone

- Turn on/off Turn on Turn off the headset opens the charging box and takes it out, automatically turns on, then automatically performs TWS pairing, and then connects back to the last connected mobile phone

Long press the headset for 3s to turn on the white light always on 1S tone

equipment. (Clear the paired earphones and the distance between the two earphones cannot exceed 1M)

- Turn off Turn on the headset will automatically turn off if the battery of the headset is exhausted or the standby timeout expires

- Put the headset in the charging box, close the lid, turn off the Bluetooth of the headset, and enter the charging state

- After the headset is fully charged, the headset will automatically shut down

(Main or Sub) Headphone long press for 5s, the main and sub headphones will be turned off synchronously, the white light is always on, 1S tone tone

Music mode Play/pause Music mode Double tap left or right ear NA NA

Last song R long press and touch about 2S NA Tone tone

Next song L long press and touch about 2S NA Tone tone

Volume + 1 tap on the right ear NA Tone sound

Volume-1 tap on the left ear NA Tone tone

Call mode Answer incoming call Incoming call Tap the left or right ear twice

Hang up the call During a call, tap the left or right ear tone twice

Incoming call rejected Incoming call Long press 2S left or right ear Tone tone

TWS pairing L and R pairing TWS back-connection system defaults to keep the last connection data with the mobile phone, normal power-on defaults to give priority to the last connected device, if the connection is not successful after 10 seconds, it will automatically enter the pairing mode, within 5 minutes If the pairing is not successful, it will automatically shut down, and the voice will prompt Tone tone. The mobile phones were successfully paired with Apple, Samsung, and Huawei, and the link was not broken after repeated tests for 300 times. NA

- TWS pairing When the headset is in the charging box, take out the headset, and the headset will automatically

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.