

SPECIFICATION

TYPE:	<u>Wireless Bluetooth Earbuds</u>
MODEL:	<u>Asivio Vybe</u>
FCC-ID NUMBER:	<u>2A3BX-VYBE</u>



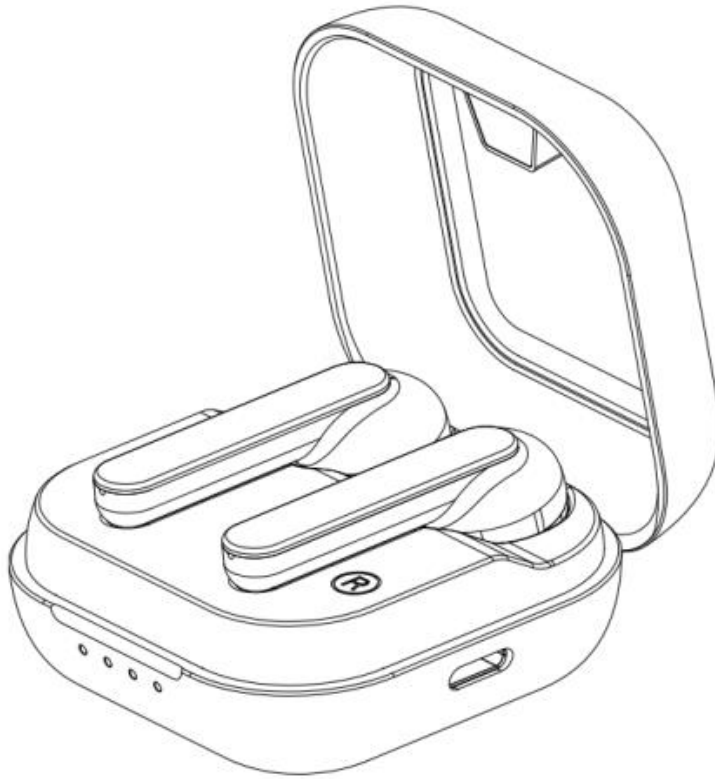
Vybe Wireless Bluetooth Earbuds

Overview

- Bluetooth pairing name: Asivio Vybe
- FCC-ID number: 2A3BX-VYBE
- Vybe is a stereo Bluetooth earbuds that supports TWS functions.
- Use Airoha AB1536U Bluetooth chip as the core data processing, Bluetooth version is: V5.0
- Launch power: Class II, the range of use within 10 meters (the actual range depends on the device connected to it)
- Frequency range: Bluetooth standard 2.402 ~ 2.480GHz
- Support HFP, HSP, A2DP, AVRCP and other protocols
- Connect with mobile phones, computers, tablets and other devices that support Bluetooth function
- Support CODEC: SBC AAC
- Support Bluetooth pairing security key: 0000; V2.1 or above does not need to enter the key.
- Music status (70%volume) use up to about 4 hours
- Call status (70%volume) use up to about 3 hours
- The use time of the charging case can charge about two earbuds 4 times
- The charging time of the earbud is 1 ± 0.5 hours, charging input requirements: 5V DC $\geq 300\text{mA}$
- The charging time of the charging case is 2 ± 0.5 hours, charging input requirements: 5V DC $\geq 1\text{A}$
- Earbud battery: 40mAh lithium ion polymer can charging batteries
- Charging case battery: 420mAh lithium ion polymer can charging battery
- Work temperature: -10-55 °C
- Net weight: total weight of about 46.6 grams (earbuds 4.3gX2, charging case 38g)
- Size: (charging case) 53.5*53.5*28mm; (earbud) 43.1*23.8*11.74mm

Product details

1.1. Product introduction

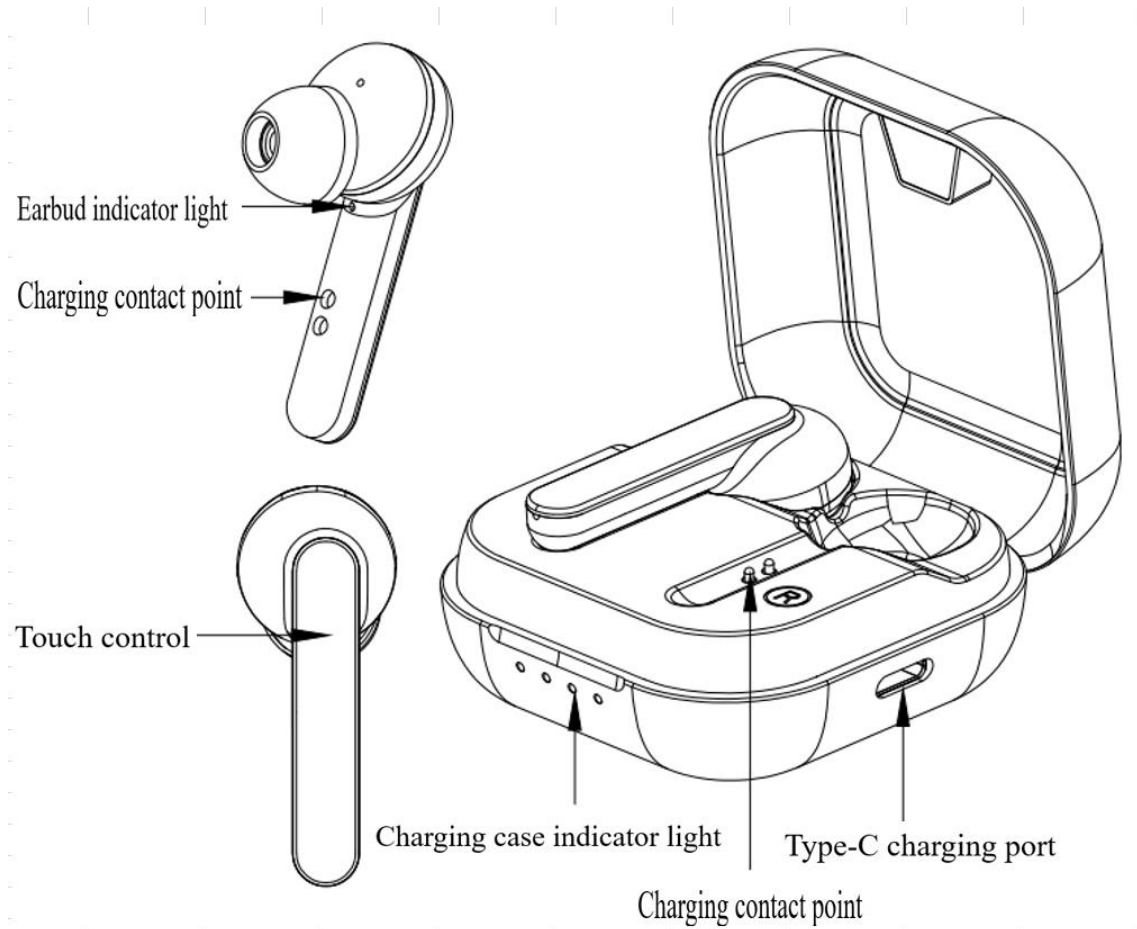


■ The Vybe is a TWS stereo wireless Bluetooth earbuds. the range of use within 10 meters (the actual range depends on the device connected to it). The Bluetooth version is: V5.0.

■ It can be connected to devices that support Bluetooth function (HFP, HSP, A2DP, AVRCP and other protocols).

■ The Vybe comes with the charging case can charging the earbud at any time.

1.2. Operation description



1. Power on: After opening the charging case, automatically turn on the earbud (automatically enter the TWS pairing state when the TWS pairing is not paired before).
2. Power off: Put the earbud into the charging case and close the lid for shutdown.
3. Enter the TWS pairing status: When the earbud is out of the factory and clear the pairing record, open the charging box lid to automatically enter the TWS state. After opening the charging box, the two earbuds will automatically perform the TWS connection.
4. Enter the Bluetooth pairing status: When the earbud TWS paired successfully, you can automatically enter the phone pairing status.
5. Switching of the main and auxiliary earbud: When calling or listening to songs, put the host earbud into the charging case, and the pair of earbud will be connected to the phone to become the host. That is, in the TWS mode, you can complete the switching in any earbud put it in the charging case.

6. Previous song: Play the music state Double -click the "touch button" in the left ear switch the song.

7. The next song: Play the music state Double -click the "touch button" in the right ear to switch the next song.

8. Receive calls: The connected state, short press the "touch button" to answer the phone when you have an incoming call (both left and right ears).

9. Hanging the phone: During the call, short press the "touch button" to hang the phone (both left and right ears).

10. Refuse to listen to the phone: When there is an incoming call, double -click the "touch button" to refuse the call (both left and right ears).

11. Play/Pause: In the earbud connecting music player, press the left ear or the right ear to touch the button at one time to play/pause the music.

12. Voice Awakening: In the state of connecting or music connection, long press the earbud "touch button" for 1-2 seconds to launch the mobile phone voice assistant (all left and right ears) (*need mobile phone support).

13. Clear pairing records: In the pairing state of a single ear (the other earbud is shut down on the charging case), the three -shot touch button can be cleared to the pairing record and shut down and restarted, and then put the cleaned pairing earbud in the charging case and shut down. Take out another earbud in the pairing status three -click to clear the pairing state (the single ear is not connected to the aircraft status, you can double -click to enter the pairing state)

14. Automatic return: When there is a pairing record, turn on the charging case earbud to automatically enter the pairing state and try to return the connected device (both left and right ears).

15. Automatic shutdown: The pairing status is more than 20 minutes (including 10 minutes of uninterrupted aircraft) without connecting automatically turn off, or the battery voltage is lower than 3.0V.

16. Exit pairing status: pairing state for 10 minutes without connection, automatically exit the pairing state into an unconnected standby state.

17. Enter the DUT mode: The pairing state can be performed by DUT test.

18. Enter the DFU mode: you can upgrade software.

19. Low-battery alarm: When the voltage of the earbud battery is lower than 3.45V, there is a prompt sound of "Battery_Low" every 3 minutes.

Remarks: In order to save power, except for the status indicator described below, there are no indicators in other states

20. Enter the brothers pairing status: white LED quickly flashes

21. Enter the Bluetooth pairing status: Host: White light flashes once every 3 seconds, auxiliary ear: white lights flash once every 10 seconds

22. Connected status: Host: White light flashes once every 10 seconds, auxiliary ear: White light flashes once every 10 seconds

23. Clear pairing record: The white light continues to light up for 2 seconds

24. Low power alarm: White LED flashes every 2 seconds

25. Charging: When putting the left earbud, the first LED light of the charging case is on. When the right earbud is placed, the fourth LED light is on, and when the left and right earbuds are charged at the same time, the first and fourth LED lights are on.

26. Full charging: When the left earbud is full, the first LED light is destroyed. When the right earbud is full, the fourth LED light is destroyed. When the left and right earbuds are full, the charging box LED light is completely extinguished.

The remaining power indicator of the charging box:

1. When the remaining power is 0% -25%, the first white light is always on;
2. When the remaining power is 25% -50%, the first and second white lights are often on;
3. When the remaining power is 50% -75%, the first and second and third white lights are often on;
4. When the remaining power is 75% -100%, the four white lights are often on;

Charging box charging indicator:

1. When the power is 0% -25% charging, the first white light flashes slowly;
2. When the power is 25% -50% charging, the first white light is often on, and the second white light flash slowly;
3. When the power is 50% -75% charging, the first white light is often on, the second white light is often on, and the third white light is slow;
4. When the power is 75% -99% charging, the first white light is often on, the second and third white lights are often on, and the fourth white light flashes;
5. Full charging: Four indicators are often on

Conventional parameter table

Bluetooth specification	Bluetooth 5.0
Operation frequency	2.402-2.480GHz
Supported profile	HFP, HSP, AVRCP, A2DP
Chip solution	Airoha AB1536
Decoding	SBC
Operation range	UP to 10 meters
Talk time	Earbuds: about 3 hours (70%volume) Use with charging case: about 12 hours (70%volume)
Music time	Earbuds: about 4 hours (70%volume) Use with charging case: about 16 hours (70%volume)
Standby time	Earbuds: About 40 hours
Battery type	Earbuds: 3.7V 40mAh*2 Charging case: 3.7V 420mAh
Charge time	Earbud: 1 ± 0.5 hour Charging case: 2 ± 0.5 hours
Operating temperature	-10—55℃
Net weight	Total about 46.6g (earbud: 4.3g*2; charging case: 38g)

Prompt sound

Status	prompt sound
Turn on	Power on
Turn off	Power off
Enter the pairing state	pairing
TWS pairing successfully	TWS connected
TWS pairing failed	TWS Disconnected
Bluetooth connection successfully	connected
Bluetooth disconnection	Disconnected
Low voltage alarm	Battery Low

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.