

SIMOLIO®



**IR Stereo Two-channel
Wireless Headphone**

SM-563B

User Manual



Sales & Support Email: support1@simolio.com (NA/AU)
support_uk@simolio.com (UK)
support_eu@simolio.com (EU)

Sales & Support Email: support1@simolio.com (NA/AU)
support_uk@simolio.com (UK)
support_eu@simolio.com (EU)

SM-563B IR wireless headphones are universal standard ones for the vehicle IR rear entertainment system. It can make your kids enjoy their favorite movies from the DVD player freely and happily, and leave the peace and quiet to you on the road to trips.

For any questions , please contact:

support1@simolio.com (NA/AU)

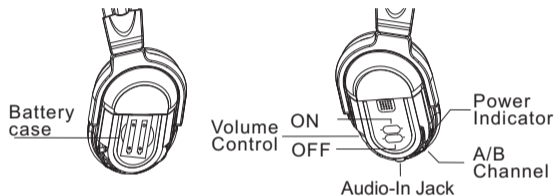
support_uk@simolio.com (UK)

support_eu@simolio.com (EU)

1 Features

- 1) Compatible with most vehicle rear entertainment systems which have the standard infrared sensors or IR sensors.
- 2) Two-channel infrared headphone: for two kids in the same row watching different movies without interference.
- 3) 2xAAA batteries (not included) can provide up to 20 hours of continuous working. Automatic shutdown function prevents the battery from being drained when not in use. A 3.5mm aux jack with a aux cable included, for use with your iPad, iPhone, tablet, etc.
- 4) For the car DVD/TV which have no IR sensors, you can purchase our IR transmitter SM-261A or SM-264D, which has a car adapter and a home adapter as well. You can use it in your car as well as at your home. Combine the IR wireless headphone and IR transmitter together, can make a perfect wireless headphone system for TV watching. Because the infrared technology is free of interference from any RF signals, so you can stream Netflix, Hulu, Amazon prime video etc. from WiFi TV box/smart TV without worrying about interference.

2 Parts Introduction



3 User Guide

- (1) Remove the insulator at the positive end of the battery, or mount 2xAAA batteries according to the engraved polarities in the battery chamber of the headphone.
- (2) Turn on the headphone by press key **ON** and switch to A or B channel according to the transmitter's channel. When the headphone is on, the power indicator becomes light. Adjust the volume properly. When the channels are matched

(if the transmitter part is in A-channel, the headphone has also to be switched to A-channel), you can listen to the sound transmitted from audio devices.

- (3) **Automatic power-off function:** when the headphone hasn't received the transmission signal for about five minutes, it will be powered off automatically. You need to **press it OFF, and then ON** when you use it again.
- (4) Turn off the headphone by pressing the key **OFF**. Take out the batteries if you won't use it for a long time.

4 Technical Parameters

- (1) Power Supply: 2XAAA alkaline batteries (not included)
- (2) Working Current: 30mA \pm 5mA
- (3) Receiving Frequency: A channel: **L/2.3MHz, R/2.8MHz (Universal standard)**
B channel: **L/3.2MHz, R/3.8MHz (Universal standard)**
- (4) Receiving Distance: \geq 6m
- (5) Frequency Response: 20Hz~20KHz
- (6) Power Output: \geq 8mW
- (7) S/N Ratio: \geq 60dB

5 Trouble Shooting

Part 1

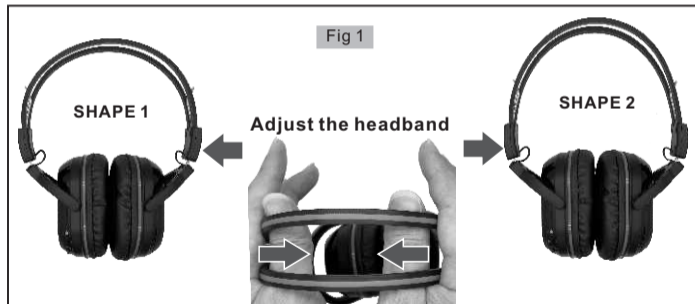
Problem	Causes	Solutions
No voice	The transmission source is not turned on.	Turn on the power of the transmission source.
	Receiver is beyond effective range.	Receive the signal within effective range.
	Channels are not matched.	Adjust channel A/B to match with the channel of transmitter.
	The volume of the Audio Source (e.g., car DVD, iPad, TV and relative audio devices connected to TV) is set too low.	Turn the audio source's volume up to promise steady sound signal.
Noise	Interference from other transmission sources.	Leave far away from the interfering source.
	Receiver is too far.	Receive the signal within effective range.
	The batteries have little power.	Change another two new batteries.
	The receiver is moved too quickly.	Slow down or stop moving the receiver.

Part 2

Problem	Causes	Solutions
Noise	Blocked by obstacles	Remove the obstacles.
	Frequency deviation. The IR frequencies of the headphone do not match the IR frequencies of the transmitter which built-in car DVD system.	Make sure the built-in IR transmitter of your car DVD system can be turned off and then buy our SIMOLIO infrared transmitter SM-261A/SM-264D to work with. Or you can keep buying original car factory headphones.

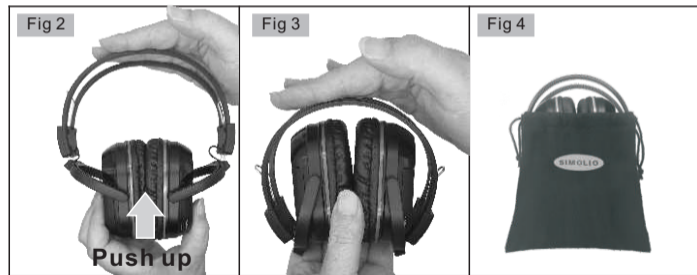
6 How to adjust the headband to fit better

The headband incorporates memory elastic stainless steel strips inside, you can remould the headband shape to fit you better, or adjust the wearing angle to make the headphones fit snug on your ears. (Ref. Fig 1)



7 Fold up the Headphone

After using, you can fold up the headphone and store in the bag, shown as (Ref. Fig 2 /3/4)



8 Kindly reminder

1. If it's the first time for you to use our universal IR headphones and experience no sound, audio cuts, only hear sound by one side, most are caused by car DVD's frequencies deviation (non-universal). Please check IR sensor frequencies of your car DVD player and make sure they are compatible with these headphones (Channel A: L/2.3MHZ, R/2.8MHZ; Channel B: L/3.2MHZ, R/3.8MHZ), or you will need to return these headphones and purchase the original ones.
2. set the volume of car DVD/TV and TV related AV devices (e.g., cable box, STB, DirecTV etc) to a sufficient level to ensure steady audio signal, or sound will be cut out.
3. If your car DVDs are universal, then please pay attention to the IR transmitting angle and distance. Sound will be cracking if too far away, or not in sight of IR transmitter, which is caused by the limitation of the IR system type, not the product itself.

4. Some DVD manufacturers ignore the quality of built-in infrared transmitter. The poor IR transmitting modules as well as the mounting angle and quantity of infrared-ray emission tube, all of these will cause poor audio reception.
5. Please use 2XAAA decent and premium alkaline batteries. Not suggest to use rechargeable NI-MH battery. The headphone working voltage is 3.0V, the premium alkaline battery life could be at least 20 hours. But for some bad quality battery, the capacity is much less than the premium one, the using time is much shorter than expectation. For rechargeable 2XAAA NI-MH batteries, the voltage is only 2.4V which will cause low volume, poor sound quality or sound cuts in and out etc. It will be reduced to 2.2V after about an hour using, and the headphones will stop working.