

# Android AKG headphones



Figure 1: Headphone. *Samsung Type-C headphones, Black Mobile Accessories - eo-IC100BBEGUS: Samsung Us. Samsung Electronics America. (2020). Retrieved October 20, 2021, from <https://www.samsung.com/us/mobile/mobile-accessories/phones/samsung-type-c-headphones-black-eo-ic100bbegus/>.*

By: Yabsira Zewdie  
Writing for Engineering  
Technical Descriptions Assignment

# Android AKG headphones

<b>Introduction</b>	<b>3</b>
<b>Parts and Descriptions</b>	<b>4</b>
Diver/Diaphragm	4
The Cable	5
Jack	6
Microphones	7
<b>Conclusion</b>	<b>7</b>
<b>Self-Reflection</b>	<b>8</b>
<b>References</b>	<b>9</b>

# Introduction

Headphones were first known as phone operators. They looked like one earpiece which leaned on the shoulders of the user. They weighed more than 10 pounds.

The Electrophone came afterwards. It was invented in the 1890's by the British. For 5 euros a year, customers would be able to dial into switchboards and have a connection to theatres all over London, occurring live.

By the year 1910, the very first pair of audio headphones were invented by the engineer Nathaniel Baldwin. They were more closely resembling headphones today. They were later used in the Navy. By 1958, the first stereo headphones were invented by John Koss. Twenty one years later, in 1979, portable headphones became available by Sony. These headphones were sold with the Sony cassette players, with over 400 million units in sale. Although this occurred such a long time ago, it made a big impact in the way people listened to music. It allowed for people to enjoy their music anytime and anywhere where they wanted to.

In 2001, the invention of the iPod was underway. Portable digital music was the big move. They came in a variety of colors and styles. Seven years later, Skullcandy, Beats, UrbanEars and many more changed the meaning of headphones. They became more of a fashion statement than being associated with technology. During the year of 2013, headphones began being used for social good. That year the LSTN was launched. The company and its partner Starkey Hearing Foundation, allows people to hear.

(2020)

# Parts and Descriptions

## Diver/Diaphragm

This is the most important part of the headphone. They are responsible for the conversion of the electrical signal into sound. It is basically made from voice coils, a magnet, and a diaphragm. It works like a speaker. Therefore, the bigger the size, the louder the sound is able to get.

However, that does not necessarily mean a better quality of sounds. This is instead determined by how thick the diaphragm is. As the diaphragm get's thinner, the quality of sound improves.

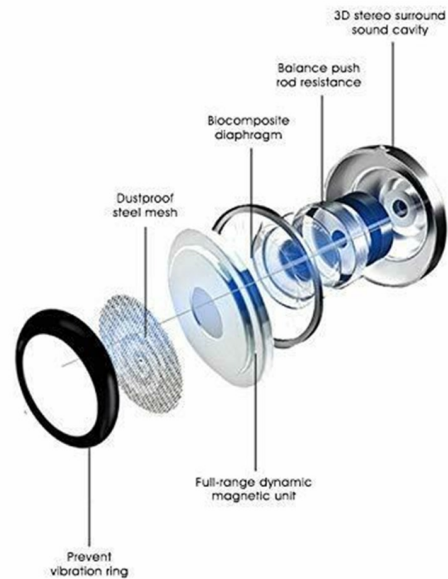


Figure 2: Diver. Mitchell, B. B. (2011, September 30). *Scosche IEM856MD realm in-ear headphones*. ecoustics.com. Retrieved October 20, 2021, from <https://www.ecoustics.com/products/scosche-iem856md-realm-in-ear-headphones/>.



Figure 3: Headpiece. *Samsung Type-C headphones, Black Mobile Accessories - eo-IC100BBEGUS: Samsung Us. Samsung Electronics America. (2020). Retrieved October 20, 2021, from <https://www.samsung.com/us/mobile/mobile-accessories/phones/samsung-type-c-headphones-black-eo-ic100bbegus/>.*

## The Cable

This part of the headphones allows for us to connect to a device. Inside are sets of wires, with a rubber or non conductive coating, where a bridge from your phone to your headphones is created for the electrical signals to move. Since the wires tend to be long, they often bend and twist resulting in the inner wire to weaken and fray. Making it hard for the signals to travel along the wires, resulting in a poor sound.





## Microphones

Microphones come in two types: omnidirectional (noise is picked up from all directions) and unidirectional (noise is picked up from one direction). These headphones use unidirectional. Next to the microphone are a play/pause, a positive and negative sign button. Allowing you to control your device externally.



Figure 6: Microphone. *Samsung Type-C headphones, Black Mobile Accessories - eo-IC100BBEGUS: Samsung Us. Samsung Electronics America. (2020). Retrieved October 20, 2021, from*

<https://www.samsung.com/us/mobile/mobile-accessories/phones/samsung-type-c-headphones-black-eo-ic100bbegus/>.

## Conclusion

In conclusion, the Android AKG headphones are great for everyday use. They are complex and have various parts to them. I personally like these headphones because they are comfortable to wear. They also have a nice outer cover on the wires preventing them from wearing-down. History came a long way from what was known as the initial headphones, and it will only continue to evolve to the needs of this constantly changing technological world.

## Self-Reflection

This was my first time doing a technical description project. I was very nervous to start the assignment, however, I really enjoyed writing about something that I enjoy using. In the future, I think that I can gather my sources first and then start the project. My draft for this assignment was not very helpful, because I ended up not really incorporating it into the final draft. Therefore, I would like to try a new method on that.

I can try writing out the different parts of the item, and start doing basic research on what information I can gather on each part. If there really isn't much to some parts of the device, I could take note of that and add that part to an existing section.

The audience I was targeting for this assignment was young adults with some technical knowledge. I added terms in this paper that a normal individual would most likely not completely understand, and so I targeted an audience with some prior understanding of technology.

I realized that in order to create this paper, I would need to have a target audience as mentioned above. This realization came to me when I noticed that most of the papers which I was reading had many terms that were too technical for the everyday individual.

My goal for this paper is for headphone users to better understand the different segments of the headphones they use. I also noted how fragile headphones can be.

They seem to break down so easily for most of us, and so it is important to take better care of them.



## References

*A brief history of headphones*<sup>20</sup>. LSTN Sound Co. (2020, October 6). Retrieved October 19, 2021, from <https://lstnsound.com/blogs/main/a-brief-history-of-headphones>.

Mitchell, B. B. (2011, September 30). *Scosche IEM856MD realm in-ear headphones*. ecoustics.com. Retrieved October 20, 2021, from <https://www.ecoustics.com/products/scosche-iem856md-realm-in-ear-headphones/>.

*Samsung Type-C headphones, Black Mobile Accessories - eo-IC100BBEGUS: Samsung Us*. Samsung Electronics America. (2020). Retrieved October 20, 2021, from <https://www.samsung.com/us/mobile/mobile-accessories/phones/samsung-type-c-headphones-black-eo-ic100bbegus/>.