



m-Six Wireless

Made for motion.



m-Six Wireless

A pair of earphones.

Designed and engineered to be the perfect earphones for any motion activity. Running, walking, cycling, climbing, commuting. Everyday life as well as for sport. There are no sensors or activity tracking features, instead they are built with the purpose of creating a pair of earphones that will make you forget you're wearing earphones.

Focusing on the basic core performance and letting ergonomics/fit, RF performance and unobtrusively small form factor be the core values.

No long tangling cables and no remote or battery boxes. Everything integrated.



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Main features.

- Integrated controls
- Integrated battery
- Slim and secure fit
- Sweatproof (IPX4)
- Adjustable neck tie
- 5 hours playtime
- 5,8mm dynamic speakers
- Qualcomm AptX
- Qualcomm AptX Low latency
- 2x MEMS microphones
- Multipoint
- Single-button universal control



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Design and fit.

m-Six Wireless is designed to be as secure and well-fitting inside any ear as possible. They are also made to make the cable basically disappear, relieving the user from irritation and dangling remotes/battery boxes when running, working out etc. Therefore, inspired by in-ear monitors for on-stage performing artists, they were designed with the inside surface as an impression of a "typical" ear to optimize the inside earphone volume and for fitting securely in place. The cable goes through a flexible ear hook behind the ear for tucking it away and also to further secure the earphone fit. An adjustable cable neck tie let users adjust the tightness and position of cable behind the neck for best personal comfort. Sound tube follow the "typical" median ear canal angle horizontally and vertically from an ear anatomy study to fit most people as good as possible.

Differentiating m-Six from typical sport earphones, which often come with pulse-tracking sensors, apps for collecting your activity-data, rugged surfaces, rather bulky size and clear colors to stand out, we focused on the basic performance and making that as good as possible; RF, secure fit, good sound and easy-to-use. Not only blurring the boundaries between sport earphones and lifestyle earphones, m-Six eliminates the sense of having any hardware at all between users and their music.

The outside form comes a lot from the inside ear impression but is also made as a form-in-form to be able to differentiate them easily with various colors and textures in the future. The decal plate with JAYS logo on the Right side is also a universal single-button for controlling and powering the earphones On/Off.

m-Six Wireless **Color and fit.**

The colors chosen are from a dustier, down-saturated color palette to differentiate from most other sport earphones, giving users other choices and texture is kept JAYS signature matt.

The earhooks are made to be flexible and soft yet remain its original shape. The cable tie is made in one piece and in TPE for a balanced friction slide and lock.



m-Six Wireless Control button.

Below you find all the features available for the m-Six, but some are, even though available, not listed in the packaging as it would make the product too complicated.

- On/Off: Press 2 sec
- Play/Pause: Single click
- Next song: Double click
- Previous song: Triple click
- Answer/end call: Single click
- Reject call: Press 2 sec
- Hold current call: Press 2 sec
- Answer 2nd call A: Single click (Ends current call)
- Answer 2nd call B: Press 2 sec (put current call on hold)
- Toggle calls: Press 2 sec (Puts current on hold)
- Voice assistant: Double click and hold for 2 sec
- Force re-connect: Single click (If BT connection lost)
- Force pair mode: Press 4 sec from OFF state
- Clear pair list: Press 10 sec from OFF state



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Extra functions.

Force pair mode can be good to use if users wish to connect the M6 to a 2nd device and not wish to switch BT off on the first device connected.

Clear pair list can be used to solve pairing/connecting problems.

m-Six uses 2 microphones and noise cancellation algorithm. One picks up the voice and the other picks up the environment and deducts the environment noise from the voice mic to filter the call speech sound.

Multipoint make it possible for m-Six to pair and connect to two devices simultaneously. While it can only play music from one at a time, it will still let calls through from your phone if you for example are connected to your MacBook and playing music from that.

To connect a second device with Multipoint, the 2nd device needs to have been paired to m-Six before. While m-Six is connected to the first device, find the m-Six Wireless in the previously paired BT device list on your 2nd device and connect.

The housings, which contains everything, are made and welded together for a secure Sweatproof seal. The microphone hole meshes are IPX4 sweatproof. Circuit boards are also nano coated for extended sweatproof.

m-Six Wireless **Electronics.**

The electronics are made to be as small as possible to fit everything in Right earphone side so we can use the Left earphone side to fill with as big battery as possible. As the Right side also is the BT antenna side, PCB-layout is designed to optimize the RF performance. The circuit board and antenna are placed to maximize the distance between these for avoiding interference.

Charging - Charging is made by custom pogo pin charging system as micro-USB would be too big to fit inside. A custom magnet on the Right side housing connects to a magnet on the Charging cable.



m-Six Wireless **Electronics.**

Speakers - m-Six use the same 6mm dynamic speaker as a-Six but with slight different tuning due to different cavity.

Microphones - The microphones are some of the smallest on the market and offer excellent audio performance. We use two identical bottom port mics for the m-Six and its cVc feature.



m-Six Wireless **Electronics.**

Battery - The Varta lithium coin cells are the most power efficient to size ratio available on the market and was required to give the m-Six sufficient playtime while making sure ergonomics would be great even for small ears. We use the 14mm size (85mAh) cell which gives us around 5h playtime on "regular" volume on iPhone. Our Varta coin cell is also one of the safest on the market due to Varta venting design in case of overpressure and patented "killswitch" which will kill the cell if venting is not enough. The m-Six has been designed with this feature in mind, making room for the cell to expand.



m-Six Wireless **Electronics.**

Control button - The control button is a very small and very light (1,0N) switch to avoid discomfort when pressuring the button against your ear. The TPE button material is also balanced at hardness to match the switch and give a good press feel. The switch should pass 300 000+ press cycles lifetime.

Flash memory - Flash memory size is 16Mb.



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Specifications.

Type: In-ear headphones

Features: Integrated controls, integrated 5 hours battery, fully sweatproof, slim profile with secure fit, customizable neck tie, fast charge

Remote control: Integrated controls (No remote)

Specifications: Bluetooth® 5.0, Multipoint, LDS antenna with 15m range, Qualcomm® aptX™, Qualcomm® aptX™ Low Latency, 6mm dynamic speakers, 16 Ohm @ 1 kHz, 10 - 20 000 Hz, 2x MEMS microphone, Qualcomm® 8th gen cVc, Up to 5 hours playtime

Versions: Black on black, Sand, Moss green, Dusty rose

Gallery: m-Six Wireless picture gallery

In the box: 5 sizes silicone ear tips, Magnetic fast charge cable, User manual

m-Six Wireless

An affordable earphone.

Having a cable behind the ear, instead of True Wireless, makes it possible to:

- Improve RF performance compared to a TWS where they not only need to speak with the phone but also with the slave earphone side
- Making it affordable while keeping only quality components inside, no need to duplicate components which is required as in TWS style.

This meaning that our 99 USD behind-the-neck m-Six version is similar to TWS in terms of freedom feel but can compare with around 159-179 USD TWS in terms of components and quality, which makes the m-Six very affordable.



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Thanks for listening.

