

# Technical data sheet



## M291-B headphone

Version: A/0

### 【Product Picture】



### 【Product Description】

The M291-B Bluetooth Headphones are designed to deliver high-quality audio performance with Bluetooth V5.0 technology. They support various Bluetooth profiles including A2DP, AVRCP, HSP, and HFP, making them versatile for different audio applications. With a battery capacity of 180mAh and a 40mm driver unit, these headphones offer a comfortable and immersive listening experience.

### 【Tech Specs】

Technical Specification	Description
Model	M291-B
Color	Black
Port Type	Micro USB, Audio Jack, TF Card Reader slots
Number of Ports	3 Ports
USB Ports	Micro USB
Audio Jack	3.5mm Audio Jack
MicroSD Card Slot	MicroSDHC Card Slot
Bluetooth pairing name	M291
Bluetooth version	V5.0
Profile:	A2DP/AVRCP/HSP/HFP
Battery capacity	180mAh
Driver Unit	Ø 40mm

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Impedance	32 Ω
Sensitivity(SPL)	110± 3dB
Frequency response	20Hz-20 KHz
Charging specifications	5V1A
Main body material	PVC
Ear cushion material	Sponge + PU leather
Package Size	170*145*80mm
Weight	271g

### 【Features】

- Wireless Connectivity:** Adopting Bluetooth version 5.0, it connects wirelessly with smartphones, tablets, laptops and other devices via Bluetooth technology without the need for cable bondage.
- Comfortable to Wear:** Soft ear cushions and adjustable headband are designed for extended wear.
- Battery Life:** Built-in rechargeable battery with 180mAh battery for extended use and longer listening sessions.
- Multi-function controls:** Usually comes with a built-in microphone and control buttons for answering calls, playing/pausing music, skipping tracks, and volume control.
- Driver Unit:** Features a 40mm driver unit for high-quality audio performance and clarity.
- Audio Codec:** Supports A2DP, AVRCP, HSP and HFP, audio codecs for better sound quality.
- Impedance and Sensitivity:** For clear and loud sound, the sensitivity is 110±3 dB.
- Frequency Response:- Provides a frequency response range of 20Hz-20KHz for a complete audio spectrum.

### 【Application Environment】

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- Commuting and Travelling:** Use on public transport or long journeys to avoid tangled cables and enjoy music, podcasts or audiobooks without disturbing others.
- Exercise and Fitness:** The wireless design reduces the problem of headphones falling off or cables interfering during exercise, making it ideal for running, working out or outdoor activities.
- Work & Study:** Where a quiet environment is required, such as in the office or library, Bluetooth headphones provide a private audio experience with less outside noise.
- Gaming:** Provides an immersive audio experience during gaming, enhancing the immersive feel of the game.
- Videoconferencing and Calls:** Built-in microphone facilitates calls or videoconferencing, and wireless connectivity reduces limitations when on the move.
- Voice Assistant and Smart Device Control:** When used with a device such as a smartphone, smart devices can be controlled by voice commands, such as playing music, sending messages or viewing information.

### 【Important Notice】

- Charging Safety:** Avoid using non-compliant chargers to prevent battery damage or overheating.
- Volume Control:** Do not listen to music at too high a volume for long periods of time to protect your hearing and extend the life of your headphones.
- Cleaning and Maintenance:** Clean your headphones regularly with a clean microfibre cloth, especially the ear cushions and headband section, to avoid dust and dirt accumulation.

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4. **Protect Against Moisture and Humidity:** Although some headphones may be labelled as water or sweat resistant, most headphones still need to avoid prolonged exposure to moisture to prevent damage to internal components.
5. **Avoid Drops:** Headphones should be placed properly to avoid drops or impacts, which may damage the headphone's casing or internal structure.
6. **Storage Methods:** When not in use, store the headset in the included protective case or special storage case to prevent scratches and damage.
7. **Avoid Extreme Temperatures:** Do not expose the headset to extreme high or low temperatures, which may affect battery performance and the flexibility of the plastic parts.
8. **Child Use:** If children use the headset, supervise their use and ensure that the volume is at a safe level.
9. **Wireless Range:** Keep your headphones within effective Bluetooth range of your playback device to avoid audio interruptions.
10. **Device Compatibility:** Ensure that the headset is compatible with your playback device, especially considering the Bluetooth version and supported audio codecs.
11. **Flight Mode:** When travelling by air, it may be necessary to turn off the Bluetooth function of the headset depending on airline regulations.
12. **Avoid Interference:** Stay away from electronic devices that may interfere with Bluetooth signals, such as microwave ovens and wireless routers.
13. **Usage Guidelines:** Read and follow the manufacturer's usage guidelines and recommendations to ensure proper use of the headset.