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Model: F.R.E.Q.4D (MCB434080002/02/1)

1. INTRODUCTION

This manual provides instructions for the Mad Catz F.R.E.Q.4D Gaming Stereo Headphones Headset. It covers product features, setup, operation, maintenance, troubleshooting, and technical specifications. Please read this manual thoroughly before using the product.

2. PRODUCT OVERVIEW

The Mad Catz F.R.E.Q.4D headset is designed for audio experiences across PC, Mac, and smart devices. It features ViviTouch 4D Sound technology for tactile bass effects and 50mm neodymium drivers for audio output. An integrated microphone allows for communication.



Figure 1: Front view of the Mad Catz F.R.E.Q.4D Gaming Stereo Headphones Headset.

Key Features:

- ViviTough 4D Sound technology for tactile audio feedback.
- 50mm neodymium drivers for audio output.
- Integrated microphone for voice communication.
- On-ear controls for volume, microphone mute, equalizer settings, and 4D Sound activation.
- Compatibility with PC, Mac, and smart devices via USB or 3.5mm audio cable.
- Adjustable headband and circumaural earcups.

3. SETUP

3.1 Connecting to PC/Mac (USB Mode)

1. Connect the USB cable to the headset's port.
2. Plug the USB connector into an available USB port on your computer.
3. The operating system should automatically detect and install the necessary drivers.
4. For optimal performance, ensure the headset is selected as the default audio input and output device in your system's sound settings.

3.2 Connecting to Smart Devices (3.5mm Audio Mode)

1. Disconnect the USB cable from the headset.
2. Connect the included 3.5mm audio cable to the headset's port.
3. Plug the 3.5mm jack into the audio port of your smartphone, MP3 player, or portable gaming console.
4. The in-line controls on the 3.5mm cable can be used for media playback and phone calls.





Figure 2: In-line controls for the 3.5mm audio cable, featuring volume and call control buttons.

4. OPERATING INSTRUCTIONS

4.1 On-Ear Controls

The F.R.E.Q.4D headset features controls located on the earcups for easy access during use.



Figure 3: Side view of the headset, highlighting the location of on-ear controls.

- **Volume Control:** Adjusts the audio output level.
- **Microphone Mute:** Toggles the microphone on or off.
- **Equalizer Settings:** Cycles through preset audio equalization profiles.
- **4D Sound Activation:** Enables or disables the ViviTouch 4D Sound feature (USB mode only).

4.2 Integrated Microphone

The microphone is integrated into the earcup design. To mute the microphone, use the dedicated mute button on the earcup. This allows for private conversations or temporary silence during communication.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the headset. Avoid abrasive cleaners or solvents.
- **Storage:** Store the headset in a cool, dry place when not in use. Avoid extreme temperatures.
- **Cable Care:** Do not pull on the cables forcefully. Disconnect by gripping the connector, not the cable itself.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio output.	<ul style="list-style-type: none"> • Headset not properly connected. • Volume too low. • Incorrect audio device selected. 	<ul style="list-style-type: none"> • Ensure USB or 3.5mm cable is securely connected. • Increase volume using on-ear controls or system settings. • Verify the F.R.E.Q.4D headset is set as the default playback device in your operating system's sound settings.
Microphone not working.	<ul style="list-style-type: none"> • Microphone muted. • Incorrect recording device selected. 	<ul style="list-style-type: none"> • Press the microphone mute button to unmute. • Verify the F.R.E.Q.4D headset is set as the default recording device in your operating system's sound settings.
4D Sound not active.	<ul style="list-style-type: none"> • Not in USB mode. • Feature disabled. 	<ul style="list-style-type: none"> • Ensure the headset is connected via USB. • Activate 4D Sound using the dedicated button on the earcup.

7. SPECIFICATIONS

Feature	Detail
Brand	Mad Catz
Model Number	MCB434080002/02/1
Connectivity	Wired (USB, 3.5mm Jack)
Speaker Diameter	50mm
Magnet Type	Neodymium
Frequency Response	20Hz–20kHz
Resistance	32 Ohms
Ear Coupling	Circumaural (Over-ear)
Microphone	Integrated
Cable Length (USB)	6.6ft / 2m
Cable Length (3.5mm)	3.3ft / 1m
Cable Type	Braided
Power Source	USB
Compatible Devices	PCs, Macs, Smart Devices
Item Weight	1.1 Pounds (approx. 0.5 kg)
Product Dimensions (LxWxH)	7.87 x 3.94 x 7.87 inches (approx. 20 x 10 x 20 cm)
Color	Black
Total Harmonic Distortion (THD)	<1%
Signal-to-Noise Ratio (SNR)	60 dB/V

8. WARRANTY AND SUPPORT

Information regarding product warranty and customer support was not available in the provided product data. Please refer to the manufacturer's official website or product packaging for detailed warranty terms and support contact information.