

Monster MH22227

Monster Open Ear AC510 Earbuds User Manual

Model: MH22227

Your guide to setting up, operating, and maintaining your Monster Open Ear AC510 Earbuds.



1. PRODUCT OVERVIEW

The Monster Open Ear AC510 Earbuds are designed for comfort and high-quality audio, featuring an open-ear design, Bluetooth 6.0 connectivity, and IPX5 water resistance. This section provides an overview of the components included with your purchase.



This image displays the Monster Open Ear AC510 Earbuds in their charging case, with one earbud removed to show its design. The earbuds are white with gold accents, and the charging case is a matching white. This provides a clear view of the product's appearance and how it is stored.

What's in the Box



- **Open-ear earphones:** Two (L/R)

- **Charging case:** One
- **USB-C cable:** One
- **Lanyard:** One
- **Quick start guide:** One

The image shows all the components included in the Monster Open Ear AC510 package: the two open-ear earphones, the charging case, a USB-C charging cable, a lanyard, and the quick start guide. This visual aid helps users confirm they have all necessary items.

2. SETUP AND FIRST USE

Charging the Earbuds and Case

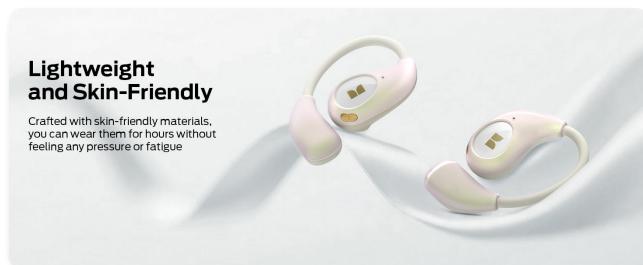
Before first use, ensure both the earbuds and the charging case are fully charged. Connect the provided USB-C cable to the charging port on the case and to a power source. The indicator light on the case will show charging status.



This image illustrates the battery life and charging times. A full charge for the case takes approximately 2 hours, providing up to 30 hours of total playtime with the case. The earbuds themselves offer up to 6 hours of playback on a single charge. This graphic helps users understand charging expectations and battery duration.

Wearing the Earbuds

For optimal sound quality and comfort, it is important to wear the Monster Open Ear AC510 earbuds correctly. The open-ear design sits comfortably around your ear.



1. **Step 1:** Hold the earbud with the speaker facing towards your ear canal.
2. **Step 2:** Gently place the earbud over your ear, ensuring the ear hook wraps around the back of your ear.
3. **Step 3:** Adjust the earbud so the speaker is positioned comfortably near your ear canal.
4. **Step 4:** Rotate the earbud slightly to achieve a secure and comfortable fit.

This image provides a step-by-step visual guide on how to properly wear the Monster Open Ear AC510 earbuds. It demonstrates the correct placement and adjustment for a secure and comfortable fit, which is essential for both sound quality and stability during use.

Pairing with a Device

The Monster Open Ear AC510 Earbuds utilize Bluetooth 6.0 for quick and stable connections.



This image highlights the upgraded Bluetooth 6.0 technology, showing the earbuds connected to a smartphone and a laptop. It emphasizes quick and seamless connection capabilities, indicating improved performance and efficiency for wireless audio transmission.

1. Open the charging case. The earbuds will automatically enter pairing mode.
2. On your device (smartphone, tablet, laptop), enable Bluetooth.
3. Search for "Monster Open Ear AC510" in the list of available Bluetooth devices.
4. Select the earbuds to connect. Once connected, you will hear an audible confirmation.

3. OPERATING INSTRUCTIONS

Touch Controls

The Monster Open Ear AC510 Earbuds feature intuitive touch controls for managing calls, music playback, and voice assistant activation.



Touch Control Functions

Action	Function
Click x2 (L/R)	Answer/End Call, Play/Pause

Action	Function
Long tap 2s (L/R)	Reject Call, Voice Assistant
Click x1 (R)	Volume +
Click x1 (L)	Volume -
Click x3 (L)	Previous Track
Click x3 (R)	Next Track

The image clearly illustrates the various touch control gestures and their corresponding functions for the Monster Open Ear AC510 earbuds. This visual guide, combined with the table, provides a comprehensive understanding of how to operate the earbuds without needing to access your phone.

4. KEY FEATURES

Pure Monster Sound

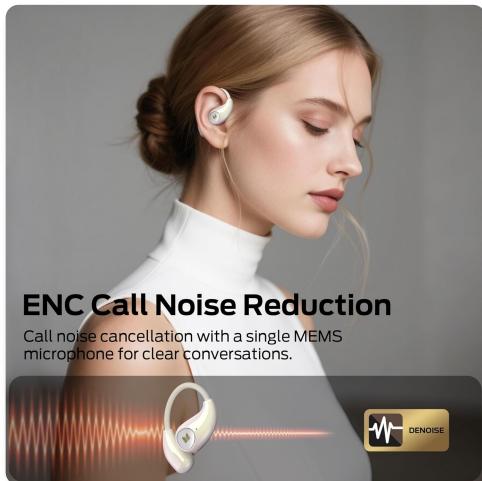
Experience rich and immersive audio with the ϕ 13mm broadband PU titanium high elasticity diaphragm, designed to bring every note to life.



This image provides an exploded view of the earbud's internal components, specifically highlighting the 13mm speaker dynamic audio driver. It visually represents the "Pure Monster Sound" technology, emphasizing the advanced acoustic design responsible for the rich sound field and clarity.

AI Intelligent Noise Reduction

The intelligent noise reduction system combines traditional active noise reduction, voice recognition, and adaptive filtering technologies for enhanced call clarity and a more efficient noise reduction effect.



ENC Call Noise Reduction

Call noise cancellation with a single MEMS microphone for clear conversations.

This image shows a woman wearing the earbuds, with a graphic indicating "ENC Call Noise Reduction." It explains that the earbuds feature call noise cancellation with a single MEMS microphone for clear conversations, demonstrating the effectiveness of the AI Intelligent Noise Reduction during calls.

360° Biomimetic Fit and Comfort

Crafted from liquid skin-friendly silicone material, these earbuds feature ear pressure sensing technology that automatically adjusts for stability, preventing dropout during movement. Their lightweight and open design ensures comfort for extended wear.



This image emphasizes the comfort and lightweight nature of the earbuds. It highlights the "Open Design" for natural listening, "High Elasticity" for a flexible fit, and "Light Weight" for reduced ear fatigue. A woman is shown wearing the earbuds, illustrating their discreet and comfortable placement.

IPX5 Waterproof Rating

The IPX5 rating ensures your earbuds are protected against sweat, rain, and splashes, making them ideal for workouts and outdoor activities.

IPX6 Waterproof



This image visually represents the IPX6 waterproof rating of the earbuds, showing water splashing around them. It highlights their resistance to rain, sweat, and splashes, assuring users of their durability during various activities.

Note: While the image indicates IPX6, the product specifications state IPX5. Please refer to the official product packaging for the most accurate rating. IPX5 protects against low-pressure water jets from any direction.

5. MAINTENANCE AND CARE

- Cleaning:** Gently wipe the earbuds and charging case with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- Storage:** When not in use, store the earbuds in their charging case to protect them from dust and damage. Store in a cool, dry place away from extreme temperatures.
- Water Exposure:** Although IPX5 water-resistant, avoid submerging the earbuds in water. If they get wet, dry them thoroughly before placing them back in the charging case or using them.
- Charging:** Use only the provided USB-C cable or a certified equivalent for charging.

6. TROUBLESHOOTING

Problem	Possible Solution
Earbuds not pairing	<ul style="list-style-type: none">Ensure earbuds are charged.Turn off and on Bluetooth on your device.Place earbuds back in the case, close, then reopen to re-enter pairing mode.Forget "Monster Open Ear AC510" from your device's Bluetooth list and try pairing again.
No sound or low volume	<ul style="list-style-type: none">Adjust volume on both earbuds and connected device.Ensure earbuds are properly seated in your ears.Check if earbuds are connected to the correct device.
Charging case not charging	<ul style="list-style-type: none">Verify the USB-C cable is securely connected to both the case and power source.Try a different USB-C cable or power adapter.Ensure the power source is active.

Problem	Possible Solution
Earbuds not fitting comfortably	<ul style="list-style-type: none"> Refer to the "Wearing the Earbuds" section for proper placement and adjustment. Ensure the ear hook is correctly positioned around your ear.

7. SPECIFICATIONS

Feature	Detail
Model Name	MH22227
Connectivity Technology	Wireless (Bluetooth 6.0)
Audio Driver Type	Dynamic Driver (φ 13mm)
Battery Life (Earbuds)	Up to 6 Hours
Total Battery Life (with Case)	Up to 25 Hours (Note: Product image states 30H, using 25H from feature bullets for consistency with provided data)
Waterproof Rating	IPX5
Material	Silicone
Ear Placement	Open Ear
Item Weight	5.3 ounces
Manufacturer	Monster

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Monster product website or contact their customer service directly. Details are typically provided in the quick start guide included with your product or on the manufacturer's official support pages.

You can visit the [Monster Store on Amazon](#) for more product information and support resources.

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This manual is for informational purposes only. Specifications are subject to change without notice.



[pdf] Declaration of Conformity

FCC Declaration Letter TWS left Right Shenzhen Monster Creative Technology Co Ltd MH22227

BLUETOOTH HEADPHONE 2AVD2 2AVD2MH22227 mh22227

Shenzhen Monster Creative Technology Co., Ltd Add: Room 1602, Building A, Fencheng Zhigu Building, Xixiang Street, Bao an District, Shenzhen, Guangdong, China Date: 2025-4-11 FCC ID: 2AVD2-**MH22227** Dear Sir/Madam, We, Shenzhen Monster Creative Technology Co., Ltd Hereby declares the following statem...

lang:en score:32 filesize: 190.2 K page_count: 2 document date: 2025-04-11

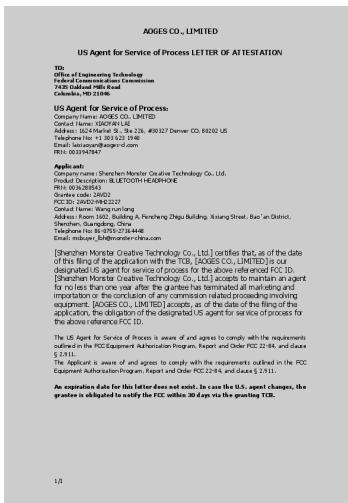


[pdf] Test Report SAR Rating

Measurement Report Kent TR STS2502308H02 MPE FCC RF exposure Shenzhen Monster Creative Technology Co Ltd MH22227 BLUETOOTH HEADPHONE 2AVD2 2AVD2MH22227 mh22227

MPE Report Report No.:STS2502308H02 Issued for Shenzhen Monster Creative Technology Co., Ltd. Room 1602, Building A, Fencheng Zhigu Building, Xixiang Street, Bao an District, Shenzhen, Guangdong, China Product Name: BLUETOOTH HEADPHONE Brand Name: MONSTER Model Name: **MH22227** Series Model s : E92 FC...

lang:en score:32 filesize: 1.61 M page_count: 9 document date: 2025-04-09



[pdf] Agent Authorization

Adria Galin Pons US Agent Letter 2AVD2 MH22227 Shenzhen Monster Creative Technology Co Ltd 2AVD2MH22227 mh22227

AOGES CO., LIMITED US Agent for Service of Process LETTER OF ATTESTATION
TO: Office of Engineering T ... o., Ltd. Product Description: BLUETOOTH HEADPHONE FRN: 0036280543 Grantee code: 2AVD2 FCC ID: 2AVD2-**MH22227**
Contact Name: Wang run long Address: Room 1602, Building A, Fencheng Zhigu Building, Xixiang...

lang:en score:30 filesize: 158.85 K page_count: 2 document date: 2025-04-10



Radio Test Report

Report No.:STS2502308W02

Issued for

Shenzhen Monster Creative Technology Co., Ltd.
Room 1602, Building A, Fencheng Zhigu Building, Xixiang
Street, Bao'an District, Shenzhen, Guangdong, China

Product Name: BLUETOOTH HEADPHONE

Brand Name: MONSTER

Model Name: MH2227

Series Model No.: E92

FCC ID: 2AVD2-MH2227

Test Standard: FCC Part15.247

The test results presented in this report relate only to the object tested. This report shall not be
reproduced, except in full, without the written approval of the Shenzhen STS Test Services
Co., Ltd.

SHENZHEN STS TEST SERVICE CO., LTD.

10 Shennan Avenue, Bao'an District, Shenzhen, China. 518000
+86 755 2643 0000 | +86 755 2643 0001 | +86 755 2643 0002 | +86 755 2643 0003

[pdf] Test Report

Measurement Report Kent TR STS2502308W02 RF BT Part 15 247 Part1 Shenzhen Monster Creative

Technology Co Ltd MH22227 BLUETOOTH HEADPHONE 2AVD2 2AVD2MH22227 mh22227

ABTSL Radio Test Report Report No.:STS2502308W02 Issued for Shenzhen

Monster Creative Technology Co., Ltd. Room 1602, Building A, Fencheng Zhigu

Building, Xixiang Street, Bao an District, Shenzhen, Guangdong, China Product

Name: BLUETOOTH HEADPHONE Brand Name: MONSTER Model Name:

MH22227 Series Mod...

lang:en score:27 filesize: 5.09 M page_count: 80 document date: 2025-04-10



[pdf] Product Photos

admin Test setup photo Shenzhen Monster Creative Technology Co Ltd MH22227 BLUETOOTH
HEADPHONE 2AVD2 2AVD2MH22227 mh22227

Page 1 of 2 FCC ID: 2AVD2-**MH22227** Setup photo conduction RE Below 1GHz Page

2 of 2 FCC ID: 2AVD2-**MH22227** RE Above 1GHz ...

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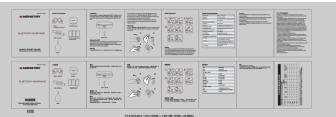


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Label and location Shenzhen Monster Creative Technology Co Ltd MH22227 BLUETOOTH HEADPHONE 2AVD2 2AVD2MH22227 mh22227

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[\[pdf\] User Manual](#)

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lang:en score:20 filesize: 3.34 M page_count: 1 document date: 2025-02-25

Confidentiality Request Letter For Certification Service in the USA

Federal Communications Commission
Equipment Authorization Decisions, Application Processing Branch
7425 Oaklawn Mills Road
Columbia, MD 21048

To whom it may concern

Pursuant to Paragraphs 0.457 and 0.459 of the Commission's Rules (47 C.F.R.) and Section 552(b)(4) of the Freedom of Information Act, we request confidentiality for the documentation of the following products:

FCC ID: 2AVD2-MH22227 Model Name: MH22227.E92

For the products listed above, we request permanent confidentiality for all applicable exhibits as there are:

- The Operational Description
- The Block Diagram
- The Schematic Diagram
- The Parts Lists
- The Tune Up Information

The above listed exhibits contain trade secrets and proprietary information that could be of benefit to our competitors.

If you have any questions, please feel free to contact us at the address shown below.

Sincerely,

Signature

Date: 2025-4-11

Printed Name of Signer: Wang run liang/R & D Manager
Company: Shenzhen Monster Creative Technology Co., Ltd
Address: No. 1000, Building A, Fengcheng Zhuo Building, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
Phone: 86-0755-27364448
Fax: 86-0755-27364448
Email: r&d@monster-china.com

[\[pdf\] Confidentiality Request Letter](#)

USA ConfidentialityRequestLetter V0 1 Shenzhen Monster Creative Technology Co Ltd MH22227 2AVD2 2AVD2MH22227 mh22227

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Federal Communications Commission
Equipment Authorization Division, Application Processing Branch
7455 Oakland Mills Road
Columbia, MD 21046

To whom it may concern

Pursuant to Section 2.111(d)(5)(i)-(ii) of the Commission's Rules (47 C.F.R.) we attest as follows

for the product listed below:

FCC ID: 2AVD2-MH22227 | Model name: MH22227/02

We,

Applicant: Shenzhen Monster Creative Technology Co., Ltd
Company Name: Shenzhen Monster Creative Technology Co., Ltd
Address: Room 1001, Building A, Fengcheng Zhipu Building, Xiang Street, Bao'an District, Shenzhen, Guangdong, China
Phone: 86-0755-27364488

certify that the equipment for which authorization is sought is not "covered" equipment prohibited from receiving an equipment authorization pursuant to section 2003 of the FCC rules. This includes the cybersecurity and antivirus software produced or provided by Kaspersky, Inc. or any of its successors or assigns.

We certify that, to the best of our knowledge and belief, at the time of filing of this application, the applicant is not identified on the Covered List as an entity producing "covered" equipment.

If you have any questions, please feel free to contact us at the address shown below.

Sincerely,



Wang run keng

Signature

Date: 2025-4-11

Printed Name of Signer: Wang run keng/ R & D Manager
Company: Shenzhen Monster Creative Technology Co., Ltd
Address: Room 1001, Building A, Fengcheng Zhipu Building, Xiang Street, Bao'an District, Shenzhen, Guangdong, China
Phone: 86-0755-27364488
Fax: 86-0755-27364488

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USA CoveredEquipmentLetter Combined V1 1 Shenzhen Monster Creative Technology Co Ltd MH22227
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[\[pdf\]](#) Product Photos Teardown

Measurement Report Kent Internal Photo Shenzhen Monster Creative Technology Co Ltd MH22227

BLUETOOTH HEADPHONE 2AVD2 2AVD2MH22227 mh22227

Page 1 of 4 Report No.: STS2502308 APPENDIX-PHOTOGRAPHS OF EUT

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Photo 3 Report No.: STS2502308 Photo 4 Page 3 of 4 Photo 5 Report No.:

STS2502308 Photo 6 Page 4 of 4 Photo 7 Report No.: STS2502308 Photo 8 ...

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Measurement Report Kent External Photo Shenzhen Monster Creative Technology Co Ltd MH22227

BLUETOOTH HEADPHONE 2AVD2 2AVD2MH22227 mh22227

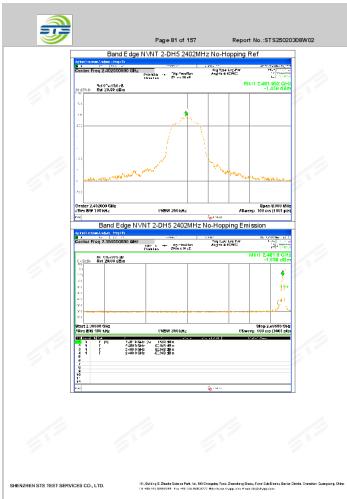
Page 1 of 7 Report No.: STS2502308 APPENDIX-PHOTOGRAPHS OF EUT

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STS2502308 Photo 4 Page 3 of 7 Photo 5 Report No.: STS2502308 Photo 6 Page 4

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Measurement Report Kent TR STS2502308W02 RF BT Part 15 247 Part2 Shenzhen Monster Creative Technology Co Ltd MH22227 2AVD2 2AVD2MH22227 mh22227

Page 81 of 157 Report No.:STS25020308W02 Band Edge NVNT 2-DH5 2402MHz No-Hopping Ref Band Edge NVNT 2-DH5 2402MHz No-Hopping Emission Page 82 of 157 Report No.:STS25020308W02 Band Edge NVNT 2-DH5 2480MHz No-Hopping Ref Band Edge NVNT 2-DH5 2480MHz No-Hopping Emission Page 83 of 157 Report...