

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [HIFIMAN](#) /

› [HIFIMAN TWS450 True Wireless Earphones User Manual](#)

HIFIMAN TWS450

HIFIMAN TWS450 True Wireless Earphones User Manual

Model: TWS450

INTRODUCTION

Thank you for choosing the HIFIMAN TWS450 True Wireless Earphones. These earphones are designed to provide a high-fidelity audio experience with features such as Environmental Noise Cancelling (ENC), Bluetooth 5.3 connectivity, and IPX4 water resistance. This manual will guide you through the setup, operation, and maintenance of your new earphones.





Image: The HIFIMAN TWS450 earphones and their compact charging case, both in white.

PACKAGE CONTENTS

Please ensure all items are present in the package:

- HIFIMAN TWS450 Earphones (Left and Right)
- Charging Case
- Eartips (various sizes)
- Type-C Charging Cable
- User Manual (this document)



Image: The HIFIMAN TWS450 earphones securely placed within their open charging case.

SETUP

1. Initial Charging

Before first use, fully charge the earphones and charging case. Place both earphones into the charging case and connect the Type-C charging cable to the case and a power source. The indicator lights on the case will show charging status.

2. Pairing with a Bluetooth Device

1. Ensure the earphones are in the charging case and the case lid is open.
2. On your device (smartphone, tablet, etc.), enable Bluetooth.
3. Select "HIFIMAN TWS450" from the list of available Bluetooth devices.
4. Once connected, a voice prompt will confirm successful pairing.

Note: The earphones will automatically connect to the last paired device when removed from the case, if Bluetooth is

enabled on the device.

OPERATING INSTRUCTIONS

Wearing the Earphones

Select the appropriate eartip size for a comfortable and secure fit. Insert the earphones into your ears and gently twist until they feel snug. A proper fit is essential for optimal sound quality and noise cancellation.



Image: A person wearing one HIFIMAN TWS450 earbud, demonstrating proper fit.

Touch Controls

The TWS450 earphones feature intuitive touch controls:

Pause/Play: Touch either earbud twice.

Previous Track: Triple click the left earbud.

Next Track: Triple click the right earbud.

Answer/End Call: Double click either earbud.

Reject Call: Press and hold either earbud for 2 seconds.

Activate Voice Assistant: Press and hold either earbud for 2 seconds. (*Note: Device must support Voice Assistant function.*)



Image: Visual guide to the touch operations for music playback and call management on the TWS450 earphones.

Environmental Noise Cancelling (ENC)

The TWS450 features ENC technology, which uses an AI algorithm to filter out environmental noise during calls, ensuring clearer communication. This feature is automatically active during phone calls.



Image: A graphic illustrating how Environmental Noise Cancelling (ENC) reduces background noise while preserving human voice.

MAINTENANCE

Cleaning

- Regularly clean the earphones and charging case with a soft, dry, lint-free cloth.
- Remove eartips and clean them with mild soap and water, then dry thoroughly before reattaching.
- Avoid using abrasive materials or harsh chemicals.

Storage

When not in use, store the earphones in their charging case to protect them and ensure they remain charged.

Water Resistance

The TWS450 earphones are IPX4 water resistant, meaning they are protected against splashing water from any direction. They are suitable for use during workouts or in light rain. Do not submerge the earphones in water.



Image: The HIFIMAN TWS450 earphones shown with water droplets, highlighting their IPX4 water resistance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Earphones not pairing	Bluetooth is off; earphones not in pairing mode; device already connected to another earphone.	Ensure Bluetooth is on. Place earphones in case, open lid to enter pairing mode. Forget previous connections on device.
No sound from one earbud	Low battery; earbud not properly connected.	Charge both earbuds. Re-pair the earphones.
Poor sound quality	Improper fit; low battery; interference.	Adjust eartips for a secure fit. Charge earphones. Move away from sources of interference.

Problem	Possible Cause	Solution
Earphones not charging	Cable issue; dirty charging contacts; case battery empty.	Check charging cable and adapter. Clean charging contacts on earphones and case. Charge the case.

If the issue persists, please contact HIFIMAN customer support.

SPECIFICATIONS

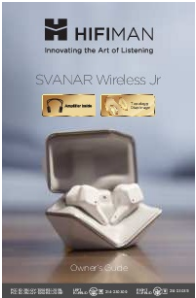
- Model:** TWS450
- Bluetooth Version:** 5.3
- Driver Type:** Audiophile-grade Dynamic Driver
- Noise Cancellation:** Environmental Noise Cancelling (ENC)
- Battery Life:** Approximately 5 hours (earbuds), 20 hours total with charging case
- Charging Port:** USB Type-C
- Water Resistance:** IPX4
- Earphone Weight:** Approximately 3.5g per earbud
- Item Weight:** 1.41 ounces (total product)
- Manufacturer:** HIFIMAN

WARRANTY AND SUPPORT

HIFIMAN products come with a limited warranty. For detailed warranty information, please refer to the warranty card included in your product packaging or visit the official HIFIMAN website. For technical support, troubleshooting assistance, or service inquiries, please contact HIFIMAN customer service through their official channels. You can visit the [HIFIMAN Store on Amazon](#) for more product information and support resources.



Related Documents - TWS450

	HIFIMAN TWS450 True Wireless Earbuds Owner's Guide Owner's guide for the HIFIMAN TWS450 true wireless earbuds, covering product overview, pairing, controls, charging, specifications, package contents, FCC statements, and warranty information.
	HIFIMAN TWS 800 True Wireless Earbuds Owner's Guide Comprehensive owner's guide for the HIFIMAN TWS 800 true wireless earbuds, covering setup, usage, features, specifications, safety, and warranty information.
	HIFIMAN TWS 500 Wireless Earbuds Owner's Guide Comprehensive owner's guide for the HIFIMAN TWS 500 wireless earbuds, detailing setup, pairing, music and call controls, mode switching (ANC, Transparency, Gaming), charging instructions, technical specifications, FCC compliance, and limited warranty information.
	HIFIMAN SVANAR Wireless Jr Owner's Guide - Features, Pairing, Controls, and Specifications Comprehensive owner's guide for the HIFIMAN SVANAR Wireless Jr true wireless earbuds. Learn about setup, pairing, controls for calls and music, mode switching, charging, detailed specifications, FCC compliance, and limited warranty information.
	HIFIMAN Svanar Wireless Earbuds Owner's Guide Owner's guide for the HIFIMAN Svanar Wireless earbuds, covering accessories, pairing, calls, music playback, mode switching, charging, specifications, FCC statements, and limited warranty.
	HIFIMAN SVANAR Wireless LE: Owner's Guide and Specifications Comprehensive owner's guide for the HIFIMAN SVANAR Wireless LE true wireless stereo earbuds, covering setup, pairing, controls, charging, specifications, and warranty information.



[HIFIMAN TWS450 True Wireless Earbuds Owner's Guide](#)

Owner's guide for the HIFIMAN TWS450 true wireless earbuds, covering product overview, pairing, controls, charging, specifications, package contents, FCC statements, and warranty information.

lang:en score:51 filesize: 620.73 K page_count: 13 document date: 2024-03-15

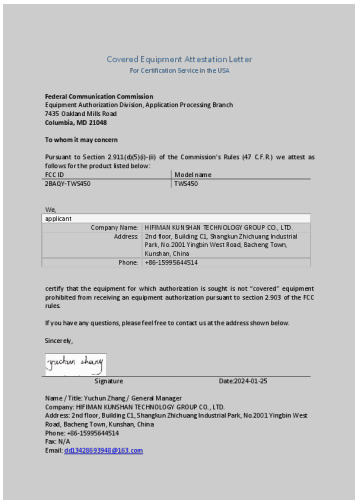


[\[pdf\] User Manual Specifications Guide](#)

TWS450 User manual HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450 2BAQY 2BAQYTWS450 tws450

TWS450 Owner s Guide Package Contents Charging Case x 1 True Wireless Type-C Earbud x 2 Charging Cable x1 Extra Pair of Eartips Product Overview 1 Multi-function Touch Sensor 2 Earbud Status Indicator 3 Microphone 4 Left Earbud 5 Right Earbud 6 Case Status Indicator 7 Type-C Charging Port 1 ...

lang:en score:47 filesize: 614.92 K page_count: 10 document date: 2023-10-17

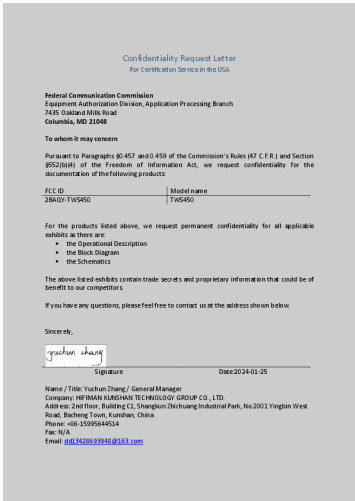


[\[pdf\]](#)

Microsoft Office Anwender Covered equipment letter HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450 2BAQY 2BAQYTWS450 tws450

Covered Equipment Attestation Letter For Certification Service in the USA Federal Communication Com ... s Rules 47 C.F.R. we attest as follows for the product listed below: FCC ID Model name 2BAQY-**TWS450 TWS450** We, applicant Company Name: Address: Phone: HIFIMAN KUNSHAN TECHNOLOGY GROUP CO., ...

lang:en score:38 filesize: 184.69 K page_count: 1 document date: 2024-01-27



[pdf] Confidentiality Request Letter

Microsoft Office Anwender Confidentiality request letter HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450 2BAQY 2BAQYTWS450 tws450

Confidentiality Request Letter For Certification Service in the USA Federal Communication Commissio ... tion Act, we request confidentiality for the documentation of the following products: FCC ID 2BAQY-**TWS450** Model name **TWS450** For the products listed above, we request permanent confidentiality for a... lang:en score:36 filesize: 174.51 K page_count: 1 document date: 2024-01-27



[pdf] Test Report

Shenzhen Sunspring Electronics Co Ltd Keyboard OJWCG107C Violet Wang Test Report BT HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450 2BAQY 2BAQYTWS450 tws450

Page 1 of 36 FCC ID: 2BAQY-**TWS450** Report No.: LCSA11243040EA FCC TEST REPORT FOR HIFIMAN KUNSHAN TECHNOLOGY GROUP CO., LTD. Bluetooth earbuds Test Model: **TWS450** Prepared for Address : HIFIMAN KUNSHAN TECHNOLOGY GROUP CO., LTD. : 2nd floor, Building C1,Shangkun Zhichuang Industrial Park,No.2001 ... lang:en score:36 filesize: 1.86 M page_count: 36 document date: 2024-01-26

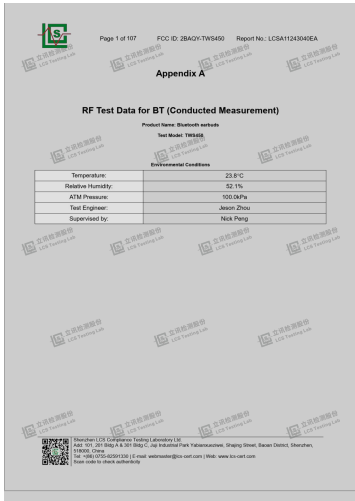


[pdf] Guide

TWS450 Download20250219090809 12493hifiman attachments file 20250219 20250219090809 12493 |||

TWS450 Owner s Guide FCC ID: 2BAQY-**TWS450** Product Overview 1 Multi-function Touch Sensor 2 Earbud Status Indicator 3 Microphone 4 Left Earbud 5 Right Earbud 6 Case Status Indicator 7 Type-C Charging Port 1 Pairing Turn On Pairing Pairing Please fully charge the product before initial use Blu...

lang:en score:32 filesize: 612.36 K page_count: 14 document date: 2025-02-10



[pdf]

WCB Appendix A test data BT part 1 HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450
2BAQY 2BAQYTWS450 tws450

Page 1 of 107 FCC ID: 2BAQY-**TWS450** Report No.: LCSA11243040EA Appendix A
RF Test Data for BT Conducted Measurement Product Name: Bluetooth earbuds Test
Model: **TWS450** Temperature: Relative Humidity: ATM Pressure: Test Engineer:
Supervised by: Environmental Conditions 23.8C 52.1 100.0kPa Jeso...
lang:en score:30 filesize: 5.44 M page_count: 60 document date: 2024-01-27



[pdf] SAR Rating

tlcsevers RF exposure evaluation HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450
2BAQY 2BAQYTWS450 tws450

Page 1 of 4 FCC ID: 2BAQY-**TWS450** FCC RF Exposure Evaluation 1. Product
Information FCC ID Product name Test Model Power Supply Hardware Version
Software Version Bluetooth Frequency Range Channel Number Channel Spacing
Modulation Type Bluetooth Version Antenna Type Antenna Gain Exposure category
...
lang:en score:29 filesize: 284.98 K page_count: 4 document date: 2024-01-26



[pdf] Product Photos

EXTERIOR PHOTOGRAPHS Tian External photos HIFIMAN KUNSHAN TECHNOLOGY GROUP CO
LTD TWS450 2BAQY 2BAQYTWS450 tws450

Page 1 of 4 FCC ID: 2BAQY-**TWS450** External Photos of the EUT Fig. 1 Fig. 2
Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C,
Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,
518000, China Tel: 86 0755-82591330 E-mail: webmaster l...
lang:en score:29 filesize: 3.23 M page_count: 4 document date: 2024-01-26



[\[pdf\]](#) Label

Tian Label and label location HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450 2BAQY
2BAQYTWS450 tws450

Page 1 of 1 FCC ID: 2BAQY-**TWS450** LABEL AND LOCATION Bluetooth earbuds
Model: **TWS450** FCC ID: 2BAQY-**TWS450** Size: L4.0cm x 3.0cm Label Location
Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C,
Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District,...
lang:en score:29 filesize: 470.84 K page_count: 1 document date: 2024-01-26



[\[pdf\]](#)

6925624202699 pl HiFiMAN TWS450 TWS Fülhallgatók Használati útmutató EuronicsHiFiMAN Page 2
Termékleírás 1 Multifunkciós érintésérzékelő A fülhallgató állapotjelzője 3 Mikrofon 4használati
útmutatóimages euronics hu product documents aGFzem7DoWxhdGkgw7p0bXV0YXTDsy5wZGY
hasznalati utmutato oc71oels v |||

HiFiMAN **TWS450** TWS F lhallgat k Haszn lati tmutat Term kle r s 1. Multifunkci s rint s rz kel 2. A f lhallgat llapotjelz je 3. Mikrofon 4. Bal f lhallgat 5. Jobb f lhallgat 6. A tok llapotjelz je 7. C t pus t lt port Bekapcsol s s p ros t s Bekapcsol ...

lang:no score:29 filesize: 3.21 M page_count: 11 document date: 2025-03-11



[\[pdf\]](#) Product Photos Teardown

EXTERIOR PHOTOGRAPHS Tian Internal photos HIFIMAN KUNSHAN TECHNOLOGY GROUP CO
LTD TWS450 2BAQY 2BAQYTWS450 tws450

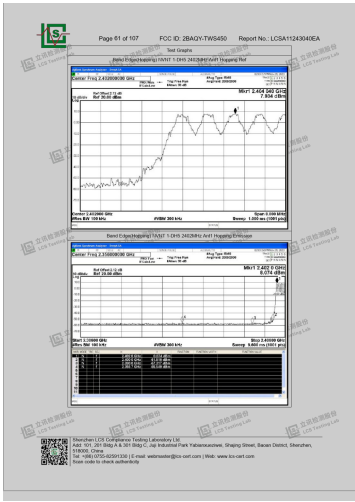
Page 1 of 3 FCC ID: 2BAQY-**TWS450** Internal Photos of the EUT Fig. 1 Fig. 2
Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C,
Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,
518000, China Tel: 86 0755-82591330 E-mail: webmaster l...
lang:en score:29 filesize: 4.09 M page_count: 3 document date: 2024-01-26



[pdf] Product Photos

Tian Test setup photos HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450 2BAQY 2BAQYTWS450 tws450

Page 1 of 2 FCC ID: 2BAQY-**TWS450** Test Setup Photos of the EUT Test Setup Photo s of Radiated Emissions Measurement Fig. 1 Fig. 2 Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 5180...
lang:en score:29 filesize: 1.43 M page_count: 2 document date: 2024-01-26



[pdf]

WCB Appendix A test data BT part 2 HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450 2BAQY 2BAQYTWS450 tws450

Page 61 of 107 FCC ID: 2BAQY-**TWS450** Report No.: LCSA11243040EA Test Graphs Band Edge Hopping NVNT 1-DH5 2402MHz Ant1 Hopping Ref Band Edge Hopping NVNT 1-DH5 2402MHz Ant1 Hopping Emission Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C, Juji Industrial Park Ya...
lang:en score:27 filesize: 5.55 M page_count: 47 document date: 2024-01-27

Covered Equipment Identification Letter
For Certification Service in the USA

Federal Communication Commission
Equipment Authorization Division, Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21048

To whom it may concern

Pursuant to Section 2.911(d)(5)(ii) of the Commission's Rules (47 C.F.R.) we attest as follows:

Via,

Applicant

Company Name:	HIFIMAN KUNSHAN TECHNOLOGY GROUP CO., LTD
Address:	2nd floor, Building C1, Shangqun Zhichuang Industrial Park, No.2003 Yingbin West Road, Baocheng Town, Kunshan, China
Phone:	+86-1595644614

certify that, as of the date of the filing of the 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,

Yuchun Zhang

Signature Date: 2024-01-25

Name / Title: Yuchun Zhang / General Manager
Company: HIFIMAN KUNSHAN TECHNOLOGY GROUP CO., LTD
Address: 2nd floor, Building C1, Shangqun Zhichuang Industrial Park, No.2003 Yingbin West Road, Baocheng Town, Kunshan, China
Phone: +86-1595644614
Fax: N/A
Email: 682429137845@163.com

[pdf]

Microsoft Office Anwender Covered equipment identification letter HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450 2BAQY 2BAQYTWS450 tws450

Covered Equipment Identification Letter For Certification Service in the USA Federal Communication Commission Equipment Authorization Division, Application Processing Branch 7435 Oakland Mills Road Columbia, MD 21048 To whom it may concern Pursuant to Section 2.911 d 5 ii of the Commission s R...
lang:en score:24 filesize: 181.64 K page_count: 1 document date: 2024-01-27

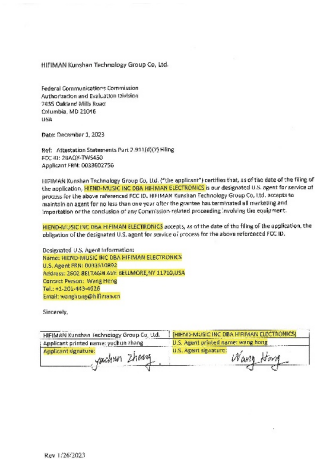


[pdf] Specifications Decleration of Conformity

Administrator Download20240315071326 31810hifiman cn attachments file 20240315 20240315071326 31810 |||

EU DECLARATION OF CONFORMITY Manufacturer: HIFIMAN KUNSHAN TECHNOLOGY GROUP CO.LTD Address:No.2001, ... Bacheng Town, Kunshan City, Jiangsu, 215300, P.R.China Product: True Wireless Stereo Headset Model: **TWS450** Brand Name: HIFIMAN Declaration I declare under our sole responsibility that our product to w...

lang:en score:21 filesize: 187.19 K page_count: 1 document date: 2024-03-15



[pdf]

Agent attestation letter HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450 2BAQY 2BAQYTWS450 tws450

...

lang:en score:16 filesize: 331.81 K page_count: 1 document date: 2023-12-01



[pdf] Specifications Diagram Catalog

Administrator Antenna information HIFIMAN KUNSHAN TECHNOLOGY GROUP CO LTD TWS450 2BAQY 2BAQYTWS450 tws450

Shenzhen Yuhong Industrial Co., LTD Specification of parts /Customer name /Product Model /Risuntek P/N /Version: /Prodcut Name TW303 / A0 FPC/FPC antenna /Description: BT2400-FPCB /Date PM 2023/11/24 Customer Signatures ME QE QE Our signature ME RF A1308 Address: 1308, Bloc...

lang:en score:16 filesize: 1.31 M page_count: 9 document date: 2023-11-24