HIFIMAN

Innovating the Art of Listening

Arya WiFi

Enhanced Magnet	Stealth Magnets Design	Headband Gen.2	NEO Supernano Diaphragm Gen.2
WiFi Streaming	HYMALAYA *Mini*		

Owner's Guide

Table of Contents

Outstanding Sound Quality

Compared with conventional dynamic headphones, planar magnetic technology offers a superior sounding experience in terms of overall quality, especially when it comes to the aural soundstage. Dynamic headphones utilize conductors that vibrate in select areas of the diaphragm. This results in a large percentage of the diaphragm not being directly driven by those conductors, resulting in somewhat diminished performance. Planar magnetic headphones are fundamentally different in that their weight (conductors + diaphragm) is much lower than dynamic headphones. The result is superior performance, especially in the upper frequencies, or treble.
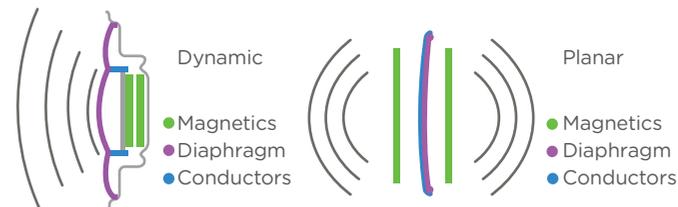
Planar headphones feature conductive layers distributed throughout the surface of diaphragm. The diaphragm is evenly driven by the magnetic force so that planar headphones produce significantly lower distortion when compared with conventional dynamic headphones.

This lower distortion results in better overall reproduction of minute details. Positioning of instruments and other elements of imaging are demonstrably better, with a soundstage that is consistently wide and natural sounding.

$$f_h = \frac{1}{2\pi} \sqrt{\left(\frac{1}{m_1} + \frac{1}{m_2}\right) S_n}$$

fh: upper frequency bound
m1: mass of diaphragm
m2: mass of conductor traces

A smaller mass from either the diaphragm or conductor results in improved upper frequency response.

Dynamic
● Magnetics
● Diaphragm
● Conductors

Planar
● Magnetics
● Diaphragm
● Conductors

Neo Supernano Diaphragm Gen.2

NEO Supernano Diaphragm Gen.2

Only 60% of the first-gen diaphragm thickness.

Conductive Plating

Ultra-thin diaphragm thickness

# The Stealth Magnets
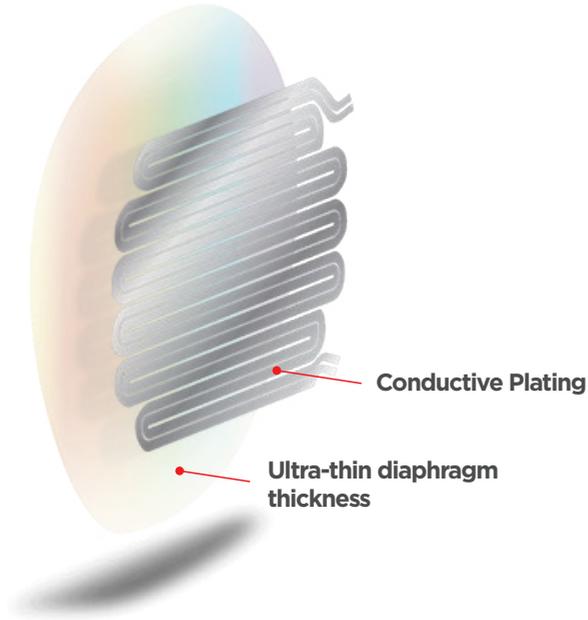
Stealth Magnets Design

The stealth magnets use high-precision laser cutting technology, achieving the success of sound resolution and low distortion.

The stealth magnet structure optimizes the air flow and reflection in the magnetic gap of the coil, making the sound of the voice coil more delicate and obtaining a more pure and natural sound.
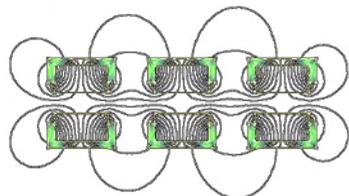
Enhanced Magnet

With rare-earth-free magnetic materials, it achieves the sensitivity of a planar speaker close to that using rare-earth magnets through structural and material optimization.
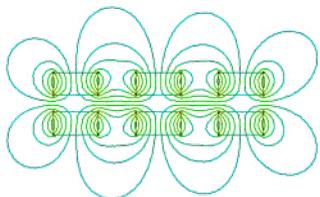
Normal magnets

Enhanced magnets

Headband Gen.2

New Composite Headband

WiFi Streaming

The WiFi streaming technology supports high-speed transmission in high-bitrate, and multi-format lossless music.

Support for most online streaming services

TIDAL roon Spotify qobuz

Indoors, outdoors, wireless, wired... They cover a wide range of scenarios.

WiFi streaming mode

Play music from online store

Support high resolution Bluetooth profiles

LDAC Qualcomm® aptX™ HD ✕ Qualcomm® aptX™ ✕

AAC SBC

USB-C

USB audio mode

The true System All in One!

300mm

WiFi module

Hymalaya Pro
R-2R DAC

255mm

LPF

Transformer

A-class headphone Amplifier

LPF, headphone amplifier

HYMALAYA *Mini*

Power module

125mm

Left DAC
Right DAC

HYMALAYA *Mini*

7.5mm

8mm

Streaming
module

91mm

HYMALAYA *Mini*

WiFi Streaming

Enhanced
Magnet

Stealth Magnets
Design

NEO Supernano
Diaphragm Gen.2
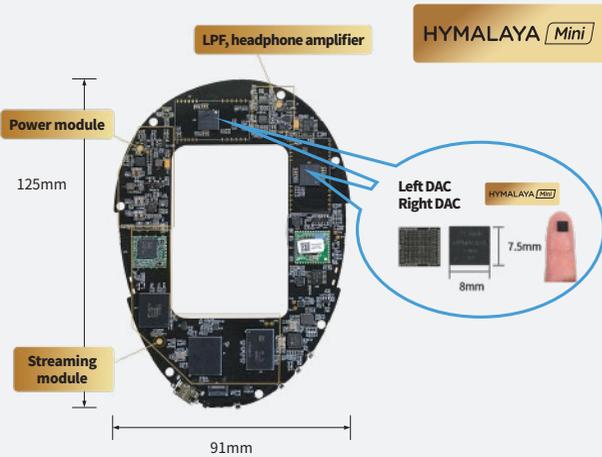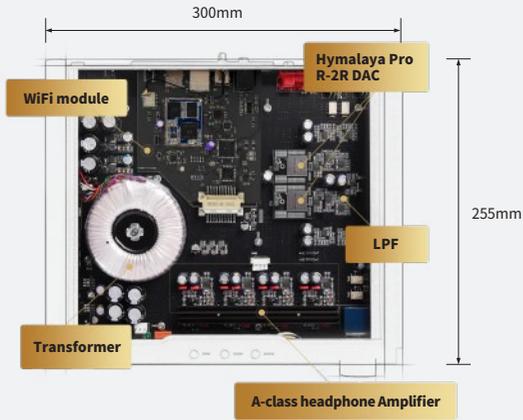
Function Description of Arya WiFi Headband Headphones

The Arya WiFi is an all-in-one over-ear headphone that supports high-definition Bluetooth playback, media playback, and USB Audio. It defaults to Bluetooth mode when turned on, and you can cycle through the three modes by pressing the function button.

Function Buttons and Operation Instructions

1. Power On/Off Button: Long-press for 3-5 seconds to turn on the device, and it will enter Bluetooth pairing mode.
2. Function Button: Tap to switch functions and cycle through Bluetooth/Wi-Fi/USB Audio three modes.
3. Volume Buttons: Tap "+" to increase the volume and tap "-" to decrease the volume.
4. Reset Button (Wi-Fi): When clearing the Wi-Fi network, long-press the 3-5 second Wi-Fi function indicator light and the red and blue lights will flash three times before starting to clear, indicating successful clearing. When the Bluetooth/USB Audio mode is activated, tap the USB Audio mode to stop charging, and the red and blue lights are allowed to stay on.

Bluetooth LED Light Display Instructions

In Bluetooth mode, the function key LED light is off. In pairing state, the LED light blinks green and red alternately, and the LED light blinks once every 5 seconds during playback. The LED light blinks once every 5 seconds when playback is paused.

WiFi Mode LED Display Instructions

In Wi-Fi mode, the function key LED light is green. It takes 2-3 minutes to enter the system after power-on. In AP mode, the LED light blinks once every 1 second, and you can perform matching operations at this time. After successful networking, the status LED light is always on, and the playback status LED blinks once every 1 second.

USB Audio Mode LED Display Instructions

In USB Audio mode, the function key LED light is purple. Charging is disabled by default in this mode.

LED Display Instructions for Battery Level

In charging state, the power on/off key LED is red. When fully charged, the LED turns green. In low battery state, the power on/off key LED flashes red as a warning. When the battery level is lower than the set threshold, the power on/off key LED flashes red and then the device shuts down.

Firmware Upgrade

We will periodically update firmware to keep the headphones in the latest working state. The method is as follows:
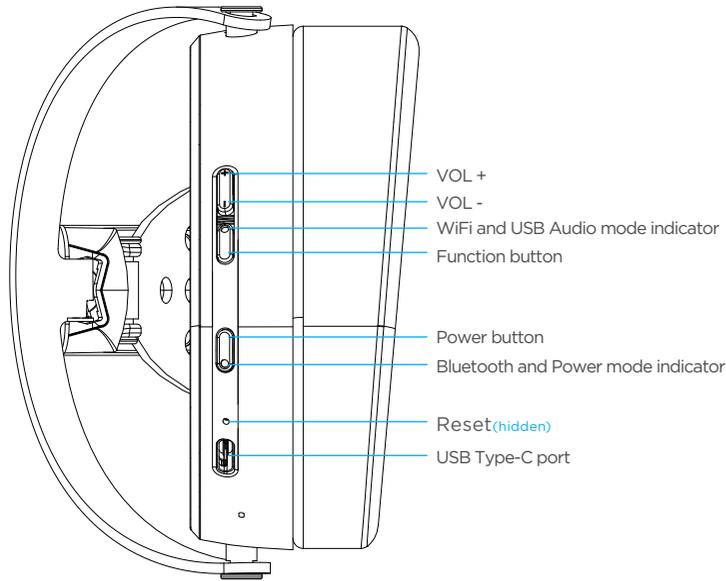Before upgrading, clear the network configuration information. Long-press the Wi-Fi function indicator light for 3-5 seconds until the red and blue lights flash three times, then release the button. After the clearing is successful, the headphones will shut down.

After restarting, follow the previous network matching operation to enter the settings page. When "About" is displayed on the page, click "Manual Update" in the page, import the upgrade file, and then restart the headphones.

After the upgrade is completed, restart the headphones and re-match the network.

WiFi Connection Mode Operation Instructions

VOL +
VOL -
WiFi and USB Audio mode indicator
Function button

Power button
Bluetooth and Power mode indicator

Reset (hidden)
USB Type-C port

①

1. Press and hold the power button for 3-5 seconds until the LED flashes green.

②

2. Press and hold the function button for 1 second. The LED will remain green for 5 seconds before turning off for 30 seconds, after which the light will flash, indicating it entered AP hotspot mode.

③

3. Open the device's Wireless Network page and select AP-HIFIMAN-STREAMER-XXXXX. (XXXXX is the device's identifier.) The password is 88888888.

④

4. Open the browser on your device and enter the following IP address: 192.168.2.1 to enter the Management Settings page.

⑤

5. Find your local WiFi network, click on it, and enter the password. Following setup, the system will prompt you to reconnect to the WiFi. Click to enter, at which point you will see: "Setup complete, please close the page." Close the settings page to complete the configuration.

⑥

6. Once again, open the device's Wireless Network page. AP-HIFIMAN-STREAMER will have disappeared, indicating the headphone is matched to the network. When the function button's green light is steady, it indicates that the system has entered WiFi mode, while the indicator light will flash when music is playing.

IMPORTANT: If the headphone is connected to another device in Bluetooth mode by default, it is necessary to enter Forced Pairing mode. To do so, simply insert a pin or paper clip in the Reset Jack. Tap the Function button twice, at which point it will flash red three times. The previously connected device will disengage, allowing you to pair a new source.

Package Details

Specifications

Frequency Response: 8Hz-55kHz ±0.5dB

THD+N: DAC: 0.0055% @-9dB, 1KHz

DAC+AMP: 0.009% @32Ω, 1KHz

Channel Separation: 105dB @1KHz

Net Weight: 452g

Operating Modes: WiFi, USB Audio, Bluetooth

Battery life under WiFi mode: 6.5-7.5 hours

Battery life under Bluetooth mode: 23 hours

Charging Time: 3-4 hours;

Standby Time: Over 30 days

Audio Formats: PCM 44.1KHz-768KHz, 32/24/16Bit, DSD native 64-512

Bluetooth Codecs: SBC/AAC/aptX/aptX HD/LDAC

Package Contents

(1) Pair of headphones

(1) Pair of ear pads (mounted on headphone)

(1) USB cable

HIFIMAN Limited Warranty

Your product is warrantied for a period of one year beginning with the original date of purchase. If you join HIFIMAN on Facebook, your product warranty will be extended for an additional six months. Please contact HIFIMAN customer service if you need any assistance.

The dated sales or delivery receipt is your proof of purchase. You may be required to provide proof of purchase as a condition of receiving warranty service so please keep it handy.

If your product is under warranty and malfunctions occur, please contact HIFIMAN customer service or your authorized dealer. If necessary, and at the discretion of HIFIMAN, the company will provide a warranty repair or replacement of your product.

Caution: do not disassemble or modify the product in any way. Tampering with or modifying your HIFIMAN product will void its warranty.

This Limited Warranty does not apply to :

1. Defective or discolored parts if the damages are caused by fluids, dirt, missing keys, broken plastic parts or improper use.
2. Damage caused by misuse with another product.
3. Use of the product for other than its normal intended use, including, without limitation, failure to use the product in accordance with the supplied "Owner's Guide"
4. Damage caused by accident, abuse, neglect or misuse.
5. If you do not have a valid dated receipt showing proof of purchase.
6. Damage caused by services/repairs or other modifications to the system carried out by anyone other than HIFIMAN or an authorized HIFIMAN distributor or dealer.
7. Damage caused by self-repair or if the unit has been disassembled or modified in any way.

HIFIMAN guarantees your satisfaction and will do everything reasonable to achieve that. If you have any questions or concerns with your product, simply contact your authorized dealer or HIFIMAN directly (if purchased from us) and explain the issue in detail. Should a return be required, a RMA# will be issued. Return shipping to HIFIMAN or authorized service facility will be at the owner's expense.

The warranty applies to the first purchaser and is not transferable. Should you need warranty service please contact your authorized HIFIMAN dealer. Or email us directly at customerservice@HIFIMAN.com

If you have any concerns with your product: please contact us to explain the issue in detail. If a return/refund is required, a RMA# will be issued. Return shipping to HIFIMAN or authorized service facility is done at the owner's expense.

For any further information or questions, please contact your authorized HIFIMAN dealer. Or email us directly at customerservice@HIFIMAN.com.

1. **Correct disposing of waste electrical and electronic equipment (WEEE) and symbol of the "crossed-out wheeled bin"**
   The crossed-out wheeled bin on WEEE means that you are obliged by law to dispose of this equipment separately from the unsorted municipal waste collection system. Disposing of it in the residual waste bin, the yellow bin or yellow bag for recyclable materials is legally prohibited. If the equipment contains portable batteries, accumulators or lamps that are not permanently installed, these must be removed before disposing of the product and be disposed of separately as waste portable batteries.

2. **Ways of returning waste electrical and electronic equipment**
   Owners of waste electrical and electronic equipment can return them to those facilities for returning or collecting waste electrical and electronic equipment set up and provided by the public-sector waste disposal authorities or alternatively with collection points installed by producers, retailers or distant sellers to ensure that the waste electrical and electronic equipment is disposed of correctly. The following link leads to an online registry of the available collection and take-back sites:
   https://e-schrott-entsorgen.org/

3. **Data privacy**
   We should point out to all end-users of waste electrical and electronic equipment that they themselves are responsible for deleting all personal data from the waste electrical and electronic equipment to be disposed of.

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WEEE Reg. No. DE 48150071

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