

HARMONIX

EN

SonaVue HWA Series



Product Manual

HWA01-BLK

HWA02-BLK

HWA03-BLK 1.0d

HWA03-BLK 1.5d

HWA03-BLK 2.0d

Product Specification

Product Name:

SonaVue HWA Series

Lenses:

Photochromatic Lenses

Color:

Clear through Gray

Filter:

Blue Light

Sunglasses UV protection:

Cat 3

UV400

Frame color:

Gloss Black Acrylic

Version:

1.0

Bluetooth Version:

5.4

Transmission Distance:

≥ 12m

Glasses Battery Capacity:

110 mAh x 2

Usage Time:

+/- 11 hrs Streaming or +/- 9 hrs calls

Glasses Charging Time:

1.5 hrs

Water Resistance:

IP 54

Environmental Noise Cancellation:

2 Beamforming Microphones for calls

Input:

5V 1A

Recharge Connection:

Magnetic connects via Type C USB Y Cable

App Requirements:

iOS 13 or Android 14.0 onwards

Case:

Fold out / Fold Flat Protective Case

Contents

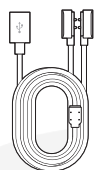
1x Pair of Glasses

1x USB C charging Y cable

1x Instruction booklet

1x Cleaning Cloth

1x User Guide



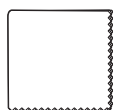
Charging Cable x 1



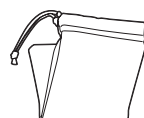
User Guide x 1



Pair of Glasses x 1



Cleaning Cloth x 1



Bag or Case x 1

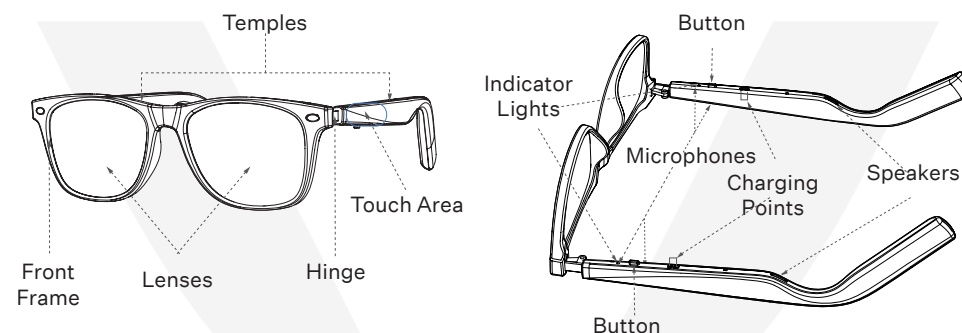
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INTRODUCTION

Congratulations on choosing a pair of SonaVue HWA Audio Glasses. The following guide offers insights into how to get the best out of the glasses.

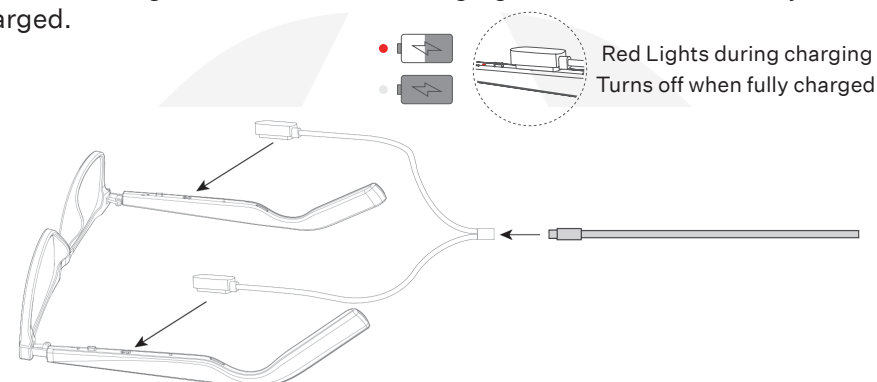
Introduction



Charging and Power Levels

The glasses are charged using a Y shaped USB Type C cable. A third party Type C male charging cable is required to charge the glasses. These are now shipped as standard with cellphones or most consumer electronics. Connect the magnetic charging cables as below.

The indicator light shows red while charging and turns off when fully charged.



Low Battery Warning

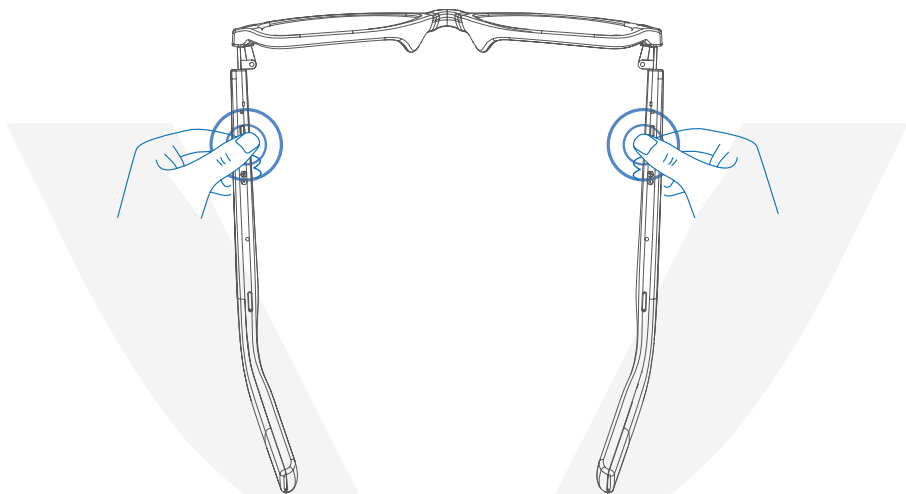
The glasses will announce “Battery Low” when they need recharging. The glasses will turn off on the 3rd warning announcement and require full charging.

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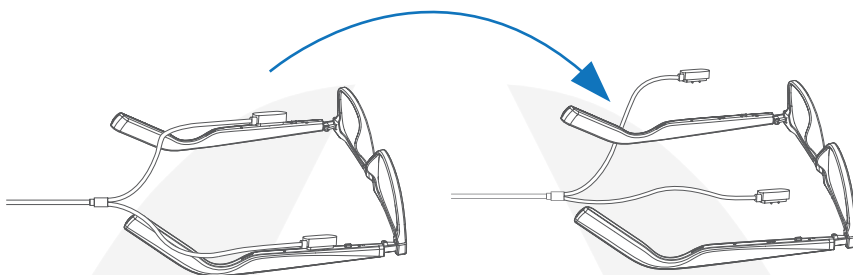
POWERING ON

To turn the glasses on press both buttons underneath each temple for 3 seconds at the same time.



Auto Turn on after charging

The glasses will automatically turn on after the charging cable is removed.



POWERING OFF

To turn the glasses off press both buttons underneath each temple for 3 seconds at the same time.

The glasses will automatically turn off if the Bluetooth connection is lost for more than 3 minutes.

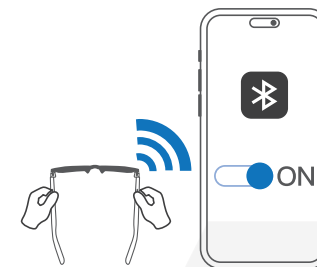
The glasses will also turn off during charging. SonaVueHWA

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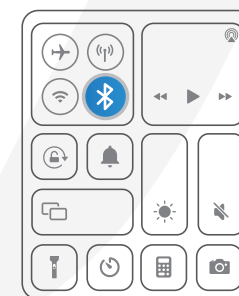
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FIRST TIME PAIRING

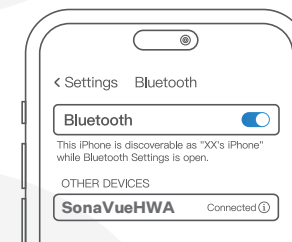
Turn on the AI glasses and keep close to the smart device or computer.



Open the settings on your device, turn on the bluetooth switch in the control centre.



Search and click on the SonaVueHWA product details, you'll hear 'connected' once successful.



If pairing with another device, you should disconnect (not forget) the device from the device currently paired with. Alternatively turn off the Bluetooth on the current device.

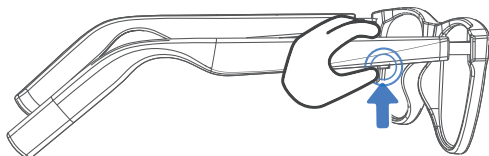
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PHONE CALLS

Answer Calls

Click on the button under either temple.

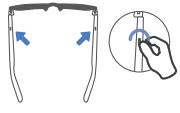


Hang Up Calls

Double click either button under the temple

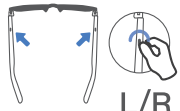
Reject Calls

Press and hold either button under the temple for 2 seconds.

	 Click either button once	
	 Double click either button	
	 Press and hold for 2 seconds	

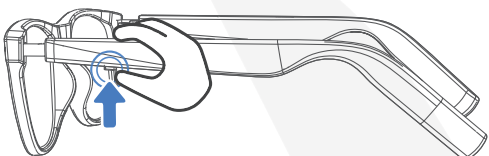
TAKING PICTURES WITH CAMERA or SELFIE

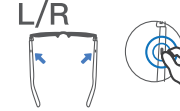
Click on the button under either temple 3x.

	 Press either button 3 times	
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VOICE ASSISTANT

Press and hold either button under the temple for 2 seconds to activate the voice assistant. (cannot be used when the glasses are taking phone calls)

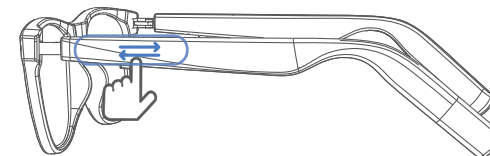


	 Press and hold for 2 seconds	
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VOLUME CONTROL

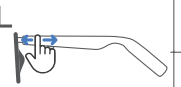
Volume UP

Quickly swipe forward on the left temple touchpad.



Volume DOWN

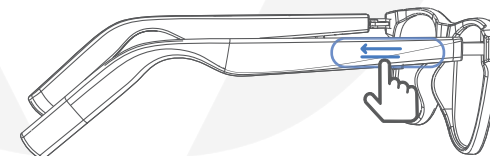
Quickly swipe backwards on the left temple touchpad.

	 Swipe Forwards	
	 Swipe Backwards	

TRACK CONTROL

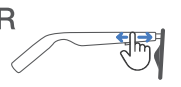
Next Track

Quickly swipe forward on the right temple touchpad.



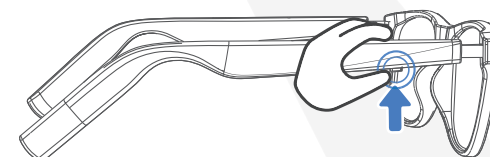
Last Track

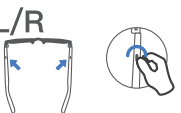
Quickly swipe backwards on the right temple touchpad.

	 Swipe Forwards	
	 Swipe Backwards	

PLAY/PAUSE

Press the button under the temple to play or pause.



	 Press once	
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AI Cool/AIP App Subscription - Included

VIP Subscription Included

Thank you for purchasing from the SonaVue range of open ear glasses. Included in the product is a subscription to AI Cool/AIP translation software.

Download the APP from the link and simply open and pair via your Bluetooth settings if the device is not immediately found.



Register via email

In order to use the software, an email account is required. A verification code will be sent to the email address, please add this quickly to ensure activation. The headphones are bound by the model number and then device MAC address.

Personal details can be added if you wish by pressing the avatar and unlinked user id.

Translation services are accessed through the “Simultaneous Interpretation” button.

AI Cool requires an active data service (5G preferred) or Wi-Fi connection to translate.

Simultaneous Translation

Simultaneous Translation uses AI technology it pulls from the cloud. There is a slight delay depending on the performance of your device and the connection speed. Allow the device and buds to connect and start translation before opening into dialogue.

Pressing on each side will bring up the language choices.

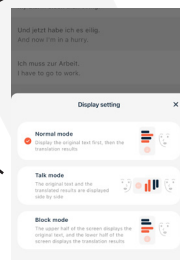
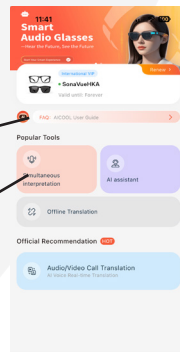
Press on the green microphone button to start the listening and translation service.

Press the red button to stop.

Choose your languages

Choose the languages you wish to translate to and from in the header and then chose how you want the translation to output. There are 3 choices.

Pressing on the speaker button on the bottom of the screen to change translation type.



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AI Companion App Subscription - Included

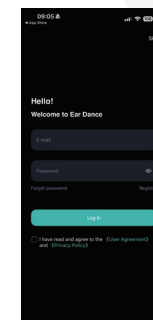


Ear Dance

Thank you for purchasing a pair of SonaVue Smart Glasses. Included in the product is a subscription to Ear Dance software. Download the APP from the link above or search on your APP store and simply open and pair via your bluetooth settings if the device is not immediately found.

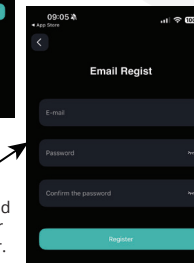
All Jona (HJA) product manufactured after December 2025 have been presubscribed via the devices MAC address to the service.

Registering



Tap on register

Enter an active email address and password of your choice to register.

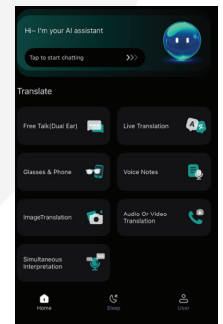


Translation Options

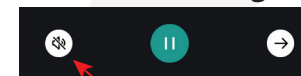
All translation uses AI technology, data is sent and received from the cloud. This happens quickly, turning the text into speech takes a few moments so be patient for the translation into your glasses.

Choose how you want the translation to output. There are many choices depending on the situation.

Free Talk (dual ear)
Live Translation
Glasses & Phone
Voice Notes
Image Translation
Audio or Video translation
Simultaneous Translation



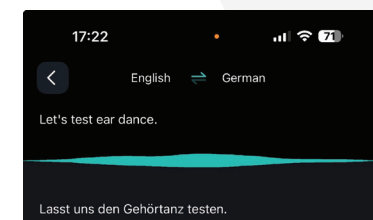
IMPORTANT Translation for the glasses



To listen to the translation via the paired glasses, ensure that the “Mute” button is not activated.

Language Selector

Select the language at the top of the screen. Once selected, the language will be retained for each option. Note that this will not automatically change the language of other translation options.



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Storage and Maintenance

- This product should be stored in a cool and dry place. Operating temperature between 0~45° C.
- Keep the product away from heat sources, combustible gases, and other cleaning/corrosive liquids. Avoid prolonged sun exposure and use/placement in any high-temperature location.
- Stop using this product immediately if any parts are damaged or produce smoke, heat, or a burning smell.
- The speaker part of this product is not waterproof but is designed to be used in normal operating conditions. It is not specifically designed for contact sports where it may be impacted, get wet or immersed in water.
- The charging cable of this product is not waterproof. Do not expose the charging case to any liquids.
- Clean the earbuds with a soft dry cloth.
- After prolonged storage, recharge before use.

Note

Design and specifications are subject to change without prior notice. For the latest company and product information, please visit www.harmonix.is

Hearing Damage

Listening to audio at excessive volumes may distort the sound and increase the risk of hearing damage and loss.

FCC

FCC ID's: 2BT16-HWA

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Statement (cont)

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue.

Responsible party (contact for FCC matters only): Harmonix Technologies Inc., 200 Crandon Blvd., Key Biscayne, FL 33149.

CE Declaration of Conformity

Harmonix ehf. hereby declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU and all other applicable EU Directive requirements. The complete declaration of conformity can be found at: <https://harmonix.is/pages/doc>. Harmonix's EU representative is Harmonix ehf. Reykjavikurvegi 64, 220 Hafnarfjörður, Iceland.

Frequency Range: 2400-2483.5MHz

Max. Transmit Power: 10 dBm(EIRP)

Directive 2014/53/EU radiation exposure statement:

This equipment complies with Directive 2014/53/EU radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by European Union market. These requirements set a SAR limit of 2W/kg averaged over ten grams of tissue.

WEEE Declaration of Conformity

This WEEE logo means that this product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Proper disposal and recycling helps protect natural resources, human health and the environment. For more information on disposal and recycling of this product, contact your local municipality, disposal service, or the shop where you bought this product.

Battery

CAUTION

- Replacement of a battery with an incorrect type that can defeat a safeguard.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
- Do not use the battery if it is noticeably expanded.

Charging

- Ensure the earbuds are dry before putting them into the charging case and keep the charging port dry before charging.
- Only use power adapters approved by relevant authorities and in compliance with local regulatory requirements (e.g., UL, CSA, VDE, CCC).

Dangerous Driving

· Note that using this product while driving or cycling may violate regulations in some countries or regions. Verify and comply with traffic laws and regulations in your area and consult with local regulators.

Skin Irritation

to a specific environment or long-term contact with soap, sweat, UV protection products, lotions, and other potentially irritating substances to the skin may cause allergic reactions.

· To reduce the risk of skin irritation, do not wear the product on any body parts with skin injuries.
· Stop wearing the product immediately and consult your physician if your skin develops redness, swelling, itching, or any other irritating reaction.

Electromagnetic Interference

· Do not use this product in places where wireless devices are prohibited (such as in airports and local medical facilities, etc.), as it may interfere with other electronic devices or cause other hazards.
· Some electronic devices may fail due to radio interference from this product (e.g., some automotive electronic equipment). Please contact the manufacturer of such electronic devices for more information.
· Radio waves generated by this product may affect the regular operation of some medical devices, such as pacemakers, defibrillators, cochlear implants, hearing aids, etc. If you use any of these medical devices, consult your physician and medical device manufacturer about restrictions service, or the shop where you bought this product.

Choking Hazard

· Keep the glasses and charging case away from children and pets.

In case of accidental ingestion, seek immediate medical assistance.

Manufacturer's Warranty Statement:

Harmonix provides a limited 12-month international warranty service (including USA) and 24-month warranty service for this product for products bought in the EU. For information on current warranties, visit our website: www.harmonix.is or contact your seller.

Ensure compliance with all local laws and regulations before using this product.

**Harmonix
Customer Service
Link**



Harmonix ehf.
Reykjavíkurvegur 64,
220 Hafnafjörður
Iceland

Harmonix Technologies LLC
200 Crandon Blvd.,
Key Biscayne,
FL 33149,
USA

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EU DECLARATION OF CONFORMITY

Manufacturer: Harmonix ehf.
Reykjavíkurvegi 64, 220 Hafnarfjörður, Iceland

Place of Manufacture: Shenzhen, Guangdong Province, China

Product Family: Harmonix SonaVue HWA Audio Glasses

Models Covered: **SonaVue HWA Series**

Product Description:

Bluetooth-enabled smart audio eyewear incorporating open-ear audio technology, wireless music playback, voice communications and mobile device connectivity.

Sku Codes Covered:

HWA01-BLK

HWA02-BLK

HWA03-BLK 1.0d

HWA03-BLK 1.5d

HWA03-BLK 2.0d

and any derivative models using the same electronic architecture and radio platform

Revision History

No.	Date	Description of change	Version
1	2025.09.01	First issued	V1.0
2	2026.05.15	Updated Certificate Numbers	V1.1

Harmonix ehf acts as the Manufacturer of Record for the products covered by this declaration and maintains the corresponding Technical Documentation.

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Applied Standards & Common Specifications:

- Radio Equipment Directive (RED) 2014/53/EU
- RoHS Directive 2011/65/EU as amended by Directive (EU) 2015/863
- REACH Regulation (EC) No 1907/2006
- Battery Regulation (EU) 2023/1542
- General Product Safety Regulation (EU) 2023/988

Radio Equipment Directive (RED) 2014/53/EU
BKC25104375KC

Certificate Number:

Document Number	Title of Document
EN 301 489-1 Ver. 2.2.3 (2019-11)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility
EN 301 489-17 Ver. 3.2.4 (2020-09)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard for ElectroMagnetic Compatibility
ETSI EN 300 328 V2.2.2 (2019-07)	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum
EN 62479:2010	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)



Restriction of the use of certain hazardous substances RoHS 2.0 Directive
2011/65/EU Annex II (EU) 2015/863 as last amended by Directive (EU) 2017/2102

Certificate Number:

Black Frames

KTi251104R117C

Standard	Full Title
EN 62321-3-1:2013	Determination of certain substances in electrotechnical products – Part 3-1: Screening – Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry (XRF)
EN 62321-4:2013+A1:2017	Determination of certain substances in electrotechnical products – Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS
EN 62321-5:2013	Determination of certain substances in electrotechnical products – Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS
EN 62321-6:2015	Determination of certain substances in electrotechnical products – Part 6: Polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) in polymers by gas chromatography-mass spectrometry (GC-MS)
EN 62321-7-1:2015	Determination of certain substances in electrotechnical products – Part 7-1: Hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by colorimetric method
EN 62321-7-2:2017	Determination of certain substances in electrotechnical products – Part 7-2: Hexavalent chromium (Cr(VI)) in polymers and electronics by colorimetric method
EN 62321-8:2017	Determination of certain substances in electrotechnical products – Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using thermal desorption (TD-GC-MS) and liquid chromatography-mass spectrometry (LC-MS)

Optical Product Requirements

The optical components of the product have been designed and manufactured in accordance with the requirements of EN ISO 12312-1:2022 and/or EN 14139:2010, as applicable to the model variant.



Conformity Statement:

We hereby declare under our sole responsibility that the products identified in this declaration conform to the applicable requirements of the legislation and standards referenced herein. All relevant safety, EMC, RF exposure, radio spectrum and environmental compliance reports are maintained within the Technical Documentation.

We take full responsibility for the conformity of this product. Technical construction files are available for inspection by relevant European official authorities.

Signature : 

Authorized Signatory	Stuart McAdam
Date:	15 th May 2026
Position:	Chief Operating Officer (COO)
Place:	Hafnarfjordur, Iceland





Harmonix SonaVue Global Regulatory Compliance Statement

Annex A – Optical Lenses

The optical components of the product have been designed and manufactured in accordance with the requirements of EN ISO 12312-1:2013 + A1 2015 and/or EN 14139:2010, as applicable to the model variant.

Model	Description	Lens Type	Standard
HWA01-BLK	Audio Glasses	Photochromic Lens	EN ISO 12312-1
HWA02-BLK	Audio Sunglasses	Polarised Sun Lens	EN ISO 12312-1
HWA03-BLK 1.0d	Audio Reader	Photochromatic Lens +1.0 dioptr progressive reader	EN ISO 12312-1 EN 14139
HWA03-BLK 1.5d	Audio Reader	Photochromatic Lens +1.5 dioptr progressive reader	EN ISO 12312-1 EN 14139
HWA03-BLK 2.0d	Audio Reader	Photochromatic Lens +2.0 dioptr progressive reader	EN ISO 12312-1 EN 14139

Product	Lens Category
HWA01 Photochromic	Category 0–3
HWA02 Sunglasses	Category 3
HWA03 Reader variants	Category 0–3

In addition, lens assemblies used within the SonaVue HWA product family have been independently tested and found compliant with:

- ANSI Z80.3:2018
- EN ISO 12312-1:2013 + A1 2015
- AS/NZS 1067.1:2016

Lens Performance Characteristics

- UV400 protection
- UVA and UVB protection
- Polarisation (where applicable)
- Photochromic category 0–3 (where applicable)
- Blue Light Filtration (where applicable)

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Lens Performance Summary

Model	Description	Lens Type	Filter Category	Lens Category
HWA01-BLK	Audio Glasses	Photochromic Lens	Clear – 0 Dark - 3	Clear – 0 Dark - 3
HWA02-BLK	Audio Sunglasses	Polarised Sun Lens	3	3
HWA03-BLK 1.0d	Audio Progressive Reader	Photochromatic Lens +1.0 dioptr progressive reader	Clear – 0 Dark - 3	Clear – 0 Dark - 3
HWA03-BLK 1.5d	Audio Progressive Reader	Photochromatic Lens +1.5 dioptr progressive reader	Clear – 0 Dark - 3	Clear – 0 Dark - 3
HWA03-BLK 2.0d	Audio Progressive Reader	Photochromatic Lens +2.0 dioptr progressive reader	Clear – 0 Dark - 3	Clear – 0 Dark - 3

Annex B – FCC Requirements

FCC ID – 2BTI6-HWA

Regulatory Compliance

- FCC Part 15 Subpart C
- FCC RF Exposure Requirements (KDB 447498)

Safety

- UL 62368-1
- UL 1642
- UL 2054
- UN38.3

Environmental

- RoHS 2011/65/EU
- REACH SVHC
- California Proposition 65

Optical

- ANSI Z80.3-2018 (Sunglasses)
- ANSI Z80.17 (Ready-Made Readers)

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Annex C – Technical Documentation Reference

Item	Reference
RED Test Report	BKC25104375KC
RoHS Report (Black)	KTi251104R117C
FCC Test Report	BKC25104377KE
User Instructions	Latest Revision
Risk Assessment	HMX-RA-SV-001
Product Specification	Harmonix_SmartGlasses_PRD_v1.1_June_2025

Annex D – Battery & Transport Compliance

Battery Specification

The SonaVue HWA Series incorporates a rechargeable Lithium-Ion battery supplied by Zhongshan Jingyu Electronics Co., Ltd.

Battery Model:	400835
Battery Type:	Rechargeable Lithium-Ion Battery (1S1P)
Nominal Voltage:	3.7V
Rated Capacity:	110mAh
Rated Energy:	0.407Wh
Battery Weight:	2.244g
Battery Dimensions:	36.69mm × 8.12mm × 4.14mm

Battery Manufacturer: Zhongshan Jingyu Electronics Co., Ltd.
Address: Qiaoguang Industrial Park, Nanlang Town, Zhongshan City, Guangdong Province, China

UN38.3 Transport Testing

The battery has been tested in accordance with:

UN Manual of Tests and Criteria
ST/SG/AC.10/11/Rev.8
Subsection 38.3

UN38.3 Test Report Number: CTB25061100601D01

The battery successfully passed all applicable transport safety tests:

- T.1 Altitude Simulation
- T.2 Thermal Test
- T.3 Vibration
- T.4 Shock
- T.5 External Short Circuit
- T.6 Crush Test
- T.7 Overcharge
- T.8 Forced Discharge

Transport Classification

UN Number: UN3480 / UN3481

Proper Shipping Name: Lithium Ion Batteries
Lithium Ion Batteries Packed With Equipment
Lithium Ion Batteries Contained In Equipment

The battery may be transported in accordance with applicable ICAO, IATA, IMDG, ADR and DOT transport provisions for lithium-ion batteries.

Marine Transport

The battery qualifies for transport under IMDG Code Special Provision 188 and is not classified as restricted dangerous goods when packed in accordance with the applicable transport regulations.

Supporting Documentation

- | | |
|-------------------------------------|-------------------|
| • UN38.3 Test Report | CTB25061100601D01 |
| • Material Safety Data Sheet (MSDS) | CTB25061100601D02 |

Technical File Reference

The complete battery safety, transport and chemical safety documentation is maintained within the Harmonix Technical Documentation File and is available upon request by regulatory authorities, market surveillance authorities and notified bodies.

End of Declaration