

# OWNER'S MANUAL

**OLLO**audio

OLLOaudio®

# Safety first

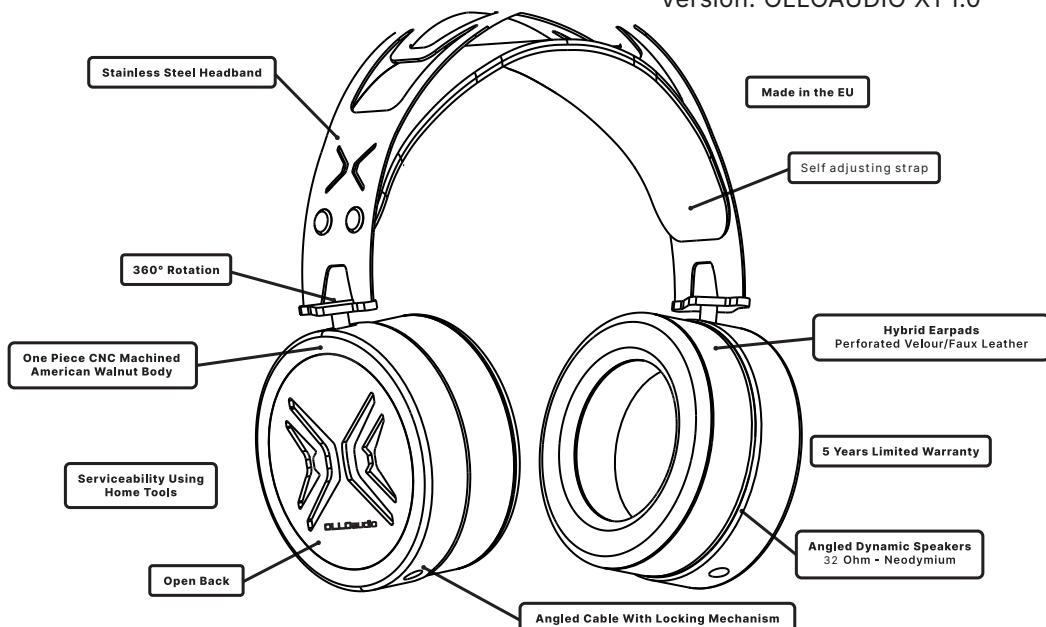
***Please read this before you do anything with your new gadget.***

- Please read this document in its full.
- Save this document in a safe place or print it out for ease of use later.
- If the package of the product is damaged and there is a high chance that the product is damaged more than just cosmetically, please do not use the product and return it to your seller with photos of damaged package and product. Make sure to check their return policy.
- Do not use this product at high volume levels for a longer period (more than 7 minutes at 90+ dB can start damaging your hearing).
- When the use of a product can obstruct your focus and puts you in harm's way, please do not use it. For example, listening to music while driving a bicycle at levels that masks the ambient sounds.
- IF YOU HAVE A CARDIAC PACEMAKER, please keep the product at least 10 cm (4 inches) away from your chest. Headphones speaker generate permanent magnetic fields.
- All small parts of the product, accessories, and packaging should be kept away from children and pets to prevent choking hazards.
- Do not expose the product to extreme heat or cold.
- Do not leave the product on the sun for extended periods.
- Do not use the product in wet conditions.
- The product is not water-resistant.
- Only use spare parts and accessories supplied or recommended by OLLO Audio.
- Please keep the product clean to enjoy its beauty for many years.
- OLLO Audio Ltd. (OLLO Audio d.o.o.) does not accept any liability that could arise from abuse or misuse of any of the products in the package.
- Improper use is considered when the product is not used for listening to music and sounds at moderate volume levels or used with inappropriate amplifiers.
- The product is designed and tested for moderate use on healthy individuals with healthy hearing.
- Remember to play high-quality audio to experience and enjoy our products fully.

Thank you for reading our safety recommendations.

# X1 Features

Version: OLLOAUDIO X1 1.0



- Flat frequency response
- 50mm dynamic driver at an angle in a fully wooden chassis
- Fast-exchange earpads
- Indestructible Stainless steel headband
- Detachable cable with an option for custom upgrades
- Easy to drive - even with smart devices
- Easy maintenance - Speaker, earpads, headband, strap, cable and backplates are all serviceable using home tools

## OLLO Audio USC II calibration software (powered by Realphones)

- AAX, AU, VST (Pro Tools, Studio One, Cubase, Ableton, Premiere Pro and others)
- Standalone version for Mac & PC
- Integration with Realphones 2.0 and all Waves Nx plugins
- Outboard integration: RME TotalMix, Motu Control, UA Console, Neumann Mission Control or any EQ enabled signal chain
- How to tutorials on the USC II are available on olloaudio webpage and youtube channel.

# Technical data

<b>Style</b>	Open back, Over the ear
<b>Frequency range*</b>	5 Hz - 22 kHz sweep 1/3 oct p-p range 9.8 dBSPL +/- 1dB
<b>SPL/sensitivity*</b>	101 dBSPL @ 1kHz RMS3dB @ 0 dBu
<b>Impedance*</b>	~32 ohm - works with all devices
<b>Speaker type and size</b>	Dynamic, 50mm
<b>Membrane</b>	Composite Pu+PET patented pattern
<b>THD &amp; 2nd*</b>	<0.05% & <0.02% @ 94 dB SPL @ 1kHz
<b>Ear pads diameter in/out</b>	57,5mm / 95mm
<b>Ear pads material</b>	Acoustic foam with perforated artificial leather and velour
<b>Ear cups material</b>	American walnut
<b>Headband material</b>	Stainless steel and silicone
<b>Cable termination</b>	Detachable 2 meters long Y 2.5mm mini jack
<b>Connector</b>	3.5mm jack with an adapter to 6.3mm jack
<b>Calibration</b>	Unit Specific Calibration included
<b>Weight ex. cable</b>	390 g (0.8 lb)
<b>International warranty</b>	5-year limited warranty
<b>Trial period - Money back</b>	90 days from delivery date when purchased from OLLO Audio
<b>Product classification</b>	EN 60268-7-IEC-DCLO-32R0-2
<b>*data capturing standard</b>	EN 60268-7 with IEC 60318-1, sweep signal, output 1ohm, 100Hz-10kHz tolerance +/- 1dB, USC calibration disabled

# Warranty

## terms and conditions

### Duration

OLLO Audio Ltd offers a 5-year limited warranty to the X-series headphones and all upgrades to the newer models. For the first two years, OLLO Audio provides a limited guarantee as directed with EU directive 1999/44/EC. This limited guarantee is valid worldwide in all countries in which in each respective case the national laws do not conflict with these guarantee terms.

Consumers may be entitled to statutory rights in their resident countries, which are not restricted by these warranty terms and conditions.

OLLO Audio Ltd. reserves the right to refuse warranty claims against products or services that are obtained and/or used in contravention of the laws of any country. **We cover all the costs of repair, parts exchange or product replacement and shipping costs both ways for these first two years. Excluded are custom duties.** Depending on your location, there might be a way to void these as well if paperwork and documentation are properly prepared. **The owner covers the cost of shipping the product to OLLO Audio's headquarters for inspection before any warranty claim is granted. If granted, costs are reimbursed.** Repaired or exchanged product is sent back to the original owner via standard courier services. For the subsequent years, OLLO Audio offers a limited warranty, covering repair and parts exchange costs, **excluding shipping costs and duties or levies both ways.** The warranty period begins on the date of delivery of a brand new, unused product by the first end-user.

### Proof of purchase

Original invoice from OLLO Audio or **authorized reseller** acts as proof of purchase. If you do not present it, you will be obliged to pay for any repairs or administration costs that are carried out during the claim investigation.

Warranty is **transferable to the second user if the original purchase receipt is presented** with the warranty claim. If OLLO Audio repairs the product, exchanges parts or replaces the product, then the guarantee claim for the defect in question or the replaced product is valid for the remaining duration of the original guarantee period.

The latest version of the limited warranty terms is available at our website and is subject to change when laws are updated.

### Warranty does not cover

1. Minor faults or deviations in the quality of a product that do not affect the product's value or fitness for its intended purpose as described in EU directive mentioned in the first paragraph. \*Cosmetic damage, such as very small scratches, rips in textile elements or straps, and faults resulting from improper use (e.g., operating errors, mechanical damage, incorrect operating voltage, etc.).
2. Damage caused by accident, abuse, misuse, water, flood, fire, or other acts of nature are also not covered with this warranty.
3. Damage to a product that has been modified or altered without the written permission of OLLO Audio Ltd.

4. Faults of which the purchaser was already aware at the time of purchase (B stock items for example).
5. Cable warranty is limited to three months from delivery date (permanently installed, pluggable or as accessories). Due to their nature, cables have strong exposure to wear and tear factor, which specifically depends on the intensity of use and mechanical load presented by the user.
6. Faults due to general wear and tear due to inappropriate usage are not covered.
7. Headband straps or pads, ear pads, and all parts of the product that have constant body contact while being used.
8. Damage in the product resulting from failure to comply with the users' guide for proper use and maintenance (for example air pressure warning label).
9. All warranty claims become void if the product is tampered with by unauthorized persons or repair shops. Further, this warranty is voided by removal or alteration of identification labels, serial numbers, or safety labels on the product or its parts.

OLLO Audio is in no instance liable for indirect or consequential damages of any kind - including and not restricted to loss of profits or economic disadvantages. In some legislation regions, the exclusion or limitation of indirect/consequential damages or the limitation of the duration of the guarantee is not allowed. In this case, local laws are above EU directives and do not apply to you. You need to present local laws by which you wish to process your claim and are different from the EU directive mentioned in the first paragraph.

## Warranty claims

can be enforced from any country. **The owner covers the cost of shipping the product to OLLO Audio's headquarters for inspection before any warranty claim is granted.** Repaired or exchanged product is sent back to the original owner via standard courier services if warranty is granted.

Consumers may be entitled to statutory rights in their resident countries, which are not restricted by these warranty terms and conditions. OLLO Audio Ltd. reserves the right to refuse warranty claims against products or services that are obtained and/or used in contravention of the laws of any country.

To obtain warranty service, submit a warranty claim to OLLO Audio's e-mail: [info@olloaudio.com](mailto:info@olloaudio.com) or via Help Desk.

Describe the problem you're experiencing, and if you can, add some pictures or videos. OLLO Audio's team will evaluate your situation and will provide further instructions to you by e-mail.

**To obtain warranty service, you will need an original or copy of the sales receipt from the original retailer.**

## Warranty claim quick guide

1. Send the description of the problem with pictures, videos or sound samples to [info@olloaudio.com](mailto:info@olloaudio.com) or through our Help Desk.
2. Wait for further instructions by OLLO Audio. You'll receive an e-mail with the next steps.
3. Send the product to OLLO Audio's headquarter in the EU. OLLO Audio covers shipping of the repaired product back to the owner with standard courier Services if warranty claim is granted.
4. We will repair the headphones in up to 45 days. If the product is not repairable, we'll grant you a new product currently available at the same quality level in case your product is no longer being produced.
5. If in doubt, ask. Don't worry. We're human.

## Product handling and care

When you listen - **air is trapped between your head and the speaker diaphragm.**

Acoustics design of the earcups prevents air from leaving the pressure zone created. In case of sudden pressure changes created by quickly pressing earcups on to your ears, you might hear the speaker membrane mechanical crinkling.

We strongly recommend being cautious when handling any headphones. Trapped air can create high pressure, and sudden pressure changes could damage the membranes, and our warranty **does not cover this**. We recommend slow and steady movement to allow the air pressure to stabilize.

For traveling, make sure the earpads are not covered or sealed by a flat surface. For example, having them in between a laptop and a notebook. When you walk, the mass of the laptop will create sudden air pressure changes and could distort the membranes.



# My notes

Made in Slovenia-EU



