

GOOVIS<sup>®</sup>

GOOVIS Lite S

Quick Start Guide

## Thanks for using the GOOVIS

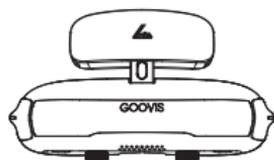
To begin using the GOOVIS Lite S as quickly as possible, please carefully read this GOOVIS Lite S Quick Start Guide. All pictures here are for general reference only. All procedures should be based on the actual product received. Shenzhen NED Optics Co., Ltd. reserves the right of final interpretation.

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As a technical leading company in AR/VR Head-Mounted Displays (HMD) field, Shenzhen NED Optics Co. Ltd. (NED Optics) is committed to design and manufacture of various near-eye displays (NED) core optical engine, and the development and application of HMDs. NED Optics independently owns the core technologies of near-eye displays. So far the company has submitted over 140 patent applications and nearly 70 patents have been granted in China and USA.

GOOVIS, which means 'GOOVIS Vision', is the brand name for the series of products under NED Optics. GOOVIS HMD is the clearest head-mounted 3D cinema in the world. The products can also be used in robotic surgical systems, surgical training systems, vision therapy treatment, low vision aids, myopia prevention and control, Unmanned Aerial Vehicle (UAV) with First Person View (FPV), remote control of autonomous vehicles, simulated military training, live broadcast over 5G network, and other professional fields, enjoyed by customers in more than 60 countries and regions around the world.

## 1. Getting to Know Your GOOVIS Lite S



Headset



Headband

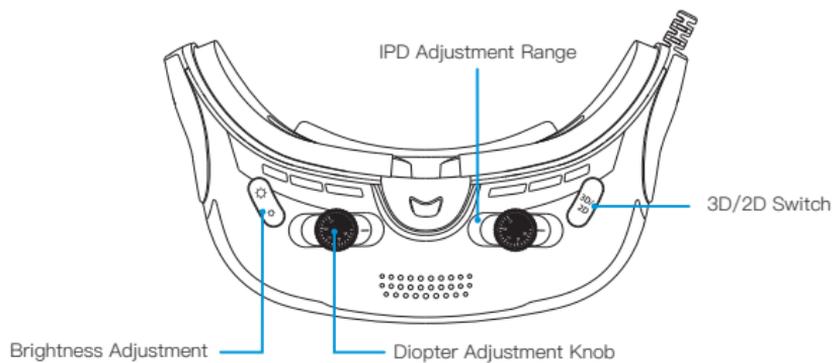
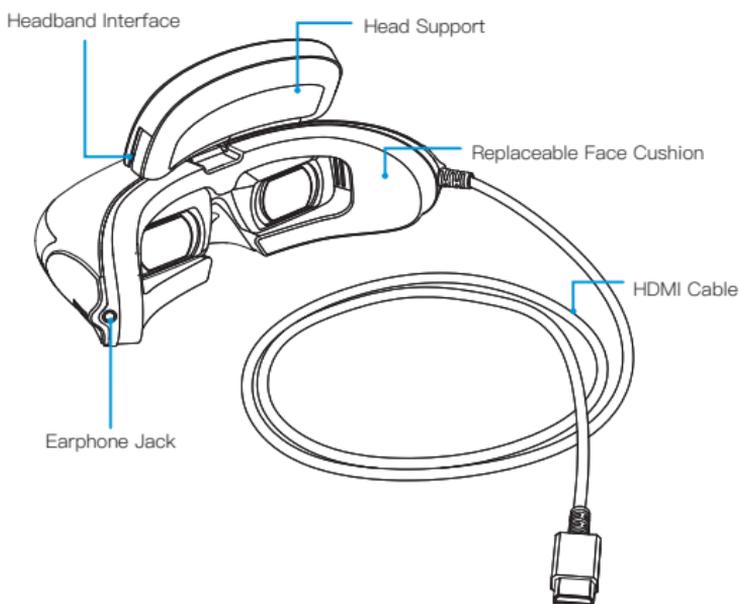


Lens Cleaning Cloth



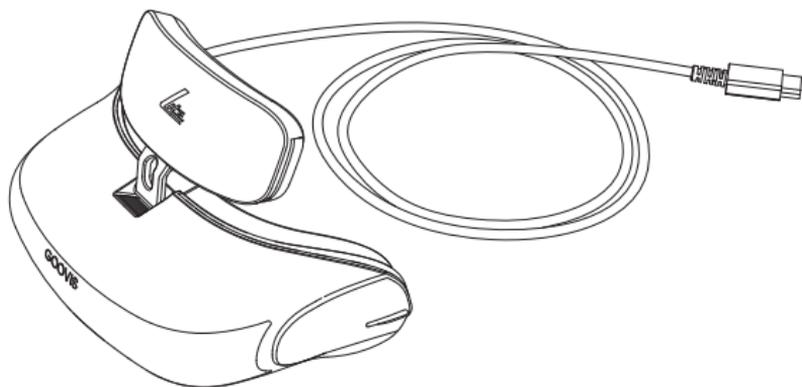
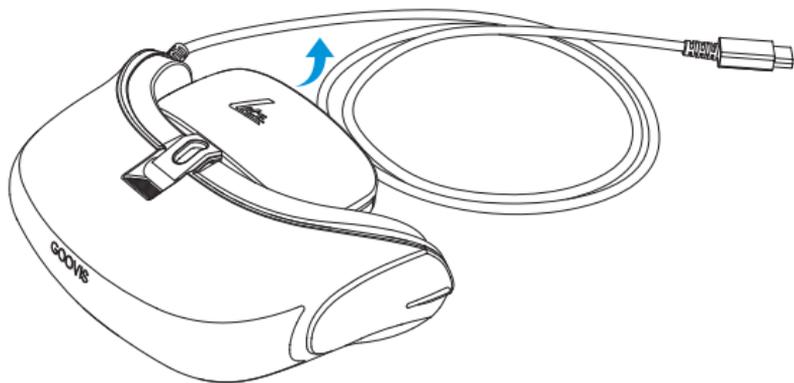
GOOVIS HDMI Adapter  
(Free gift)

- Headset Functions and User Interface

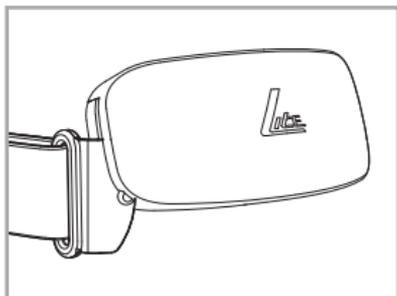
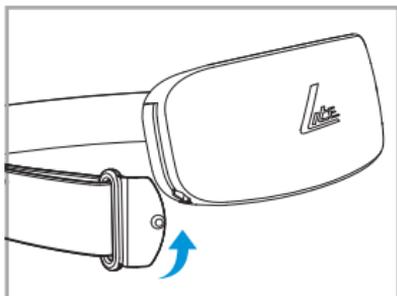


## 2. Fitting and Adjustment

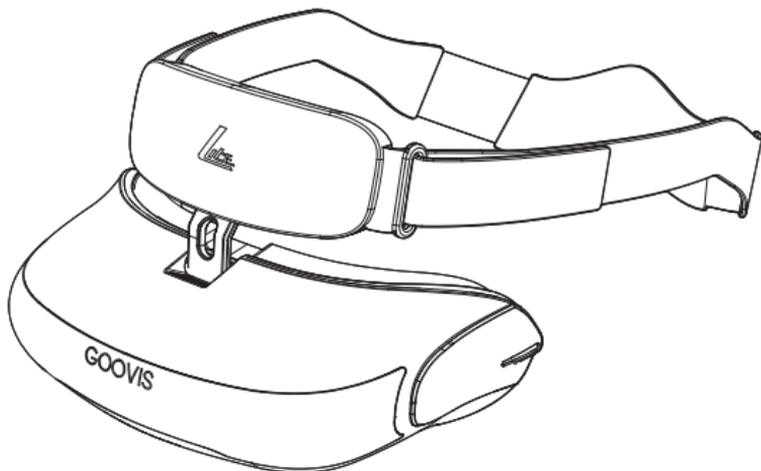
1) Pull up the support of the headset gently to the position shown in the figure below.



2) Connect the ends on both sides of the head strap to the support shown in the figure below by sliding the ends of the straps in to the slots from below.



The Headband connection is completed as shown below:



### 3. External Device Connection

You can connect GOOVIS Lite S via HDMI adapter cable and/or GOOVIS Cast to GOOVIS portable media player, mobile phones/tablets/laptops, desktop computers/drones/PS4, SWITCH, Xbox and other game consoles/TV set-top-boxes etc.,

which with HDMI video output device, and enjoy the wonderful vision of high-definition large screen.

Please check our website for more detail information. <https://www.goovislife.com>

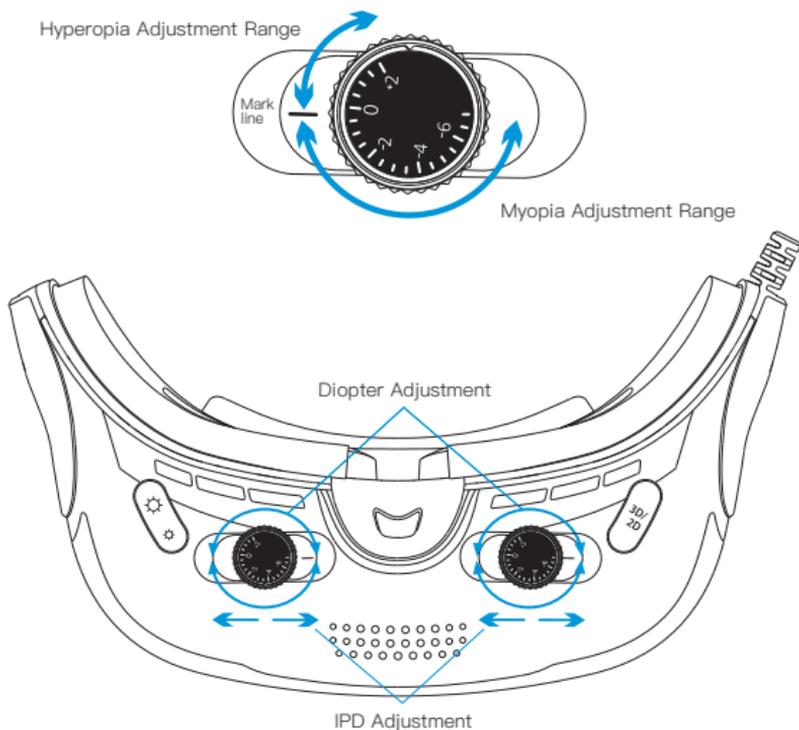
## • Performing Initial Vision Adjustment

The GOOVIS Lite S accommodates a vision range from +2D hyperopia to -7D myopia, and an IPD (Interpupillary Distance) from 56mm to 72mm, and separate adjustment of each of the left and right eyes. For easy vision adjustment, we suggest that, before putting on the headset, you can initially rotate the vision adjustment knob to a hyperopia/myopia scale that corresponds somewhat to your eye sight.

Mapping between the scales on the vision adjustment knob and the diopter

Scale	-2	-4	-6	+2
Diopter	-2D myopia	-4D myopia	-6D myopia	+2D hyperopia

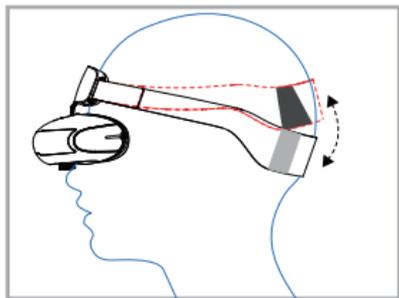
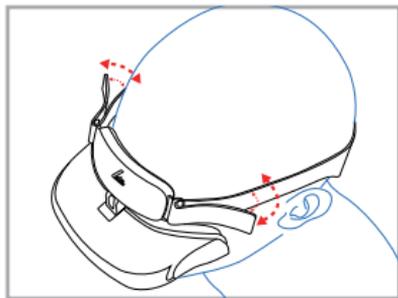
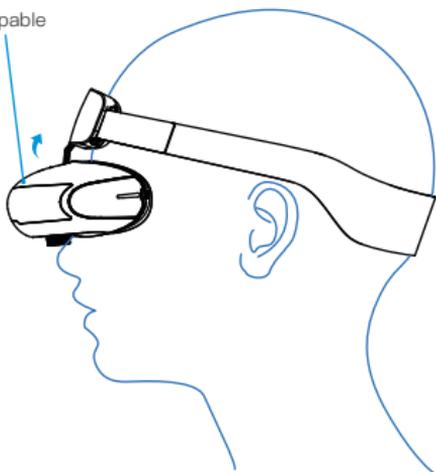
Astigmatic lenses are optional in case of needs. If you are astigmatic, please contact us by sending your diopters and axis of astigmatism information order the Lenses, check with our website: [www.goovis.net](http://www.goovis.net)



- **Wearing the GOOVIS Lite S Headset**

Adjust the length of the headband until the strap fits your head circumference so that you can easily put the headset on your head. Adjust the headset to the right height and angle so that you can comfortably watch the display window. You can also adjust the headset itself by tilting it slightly up or down.

Flippable



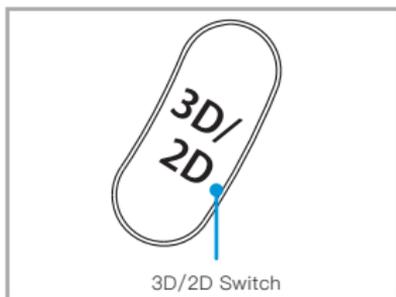
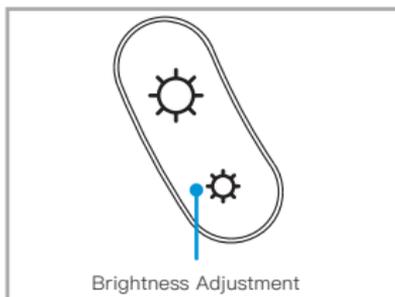
Tip: Before putting on the headset, make sure that the lenses on the Lite S display windows are clean.

- **Performing Accurate Visual Adjustment**

When the headset sits comfortably on your head, rotate the diopter adjustment knobs to the clockwise or counterclockwise to bring the image into sharp focus. Please close your right eye when adjusting your left eye, and vice versa. It is suggested that, when adjusting the vision, you begin from the blurry state until the image is sharpest, without any overlaps or shadows in the field of view. After adjusting for sharpness in each eye separately, open both eyes, and move the knobs towards or away from the center in order to find the correct IPD for your viewing comfort.

Tip: It is very important for you to perform accurate visual adjustment before watching, otherwise you may feel dizzy or uncomfortable.

- **Performing Brightness Adjustment,3D/2D Mode Adjustment**



**Brightness Adjustment:** Seven different levels of brightness available for gradual adjustment. Press the Brightness Adjustment plus button for 3 seconds long to turn off/on the status light.

**3D/2D switch key:** Tap the 3D/2D switch key to select the playback format consistent with the video you are watching.

- **Starting Your Visual Feast**

## 4. Specifications

Display: 2x0.49 inch AMOLED display

Resolution: 1920x1080\*2

Optical modules: 14 optical lenses

Virtual screen size: Equivalent to a giant 600-inch diagonal screen when viewed from a distance of 66 feet (20 meters)

Distortion: < 1.5%

FOV: 42°

Diopter adjustment: Ranging from +2D hyperopia to -7D myopia; left/right eye adjusted independently

Astigmatic lens: Optional

IPD: 56mm ~ 72mm

Sensor: Proximity sensor

Audio interface: 3.5mm universal earphone

Video interface: HDMI 1.4a

Video format: Side-by-Side, 2D video

Input support: 1080p@60Hz

Headset main body dimensions: 7.3 inch x 4.3 inch x 2.2 inch (185mm x 109mm x 56mm)

Headset main body weight: 7.05 oz (200g)

## 5. Safety Instructions

- Do not stretch or twist the HDMI cable because this may have a negative effect on the quality of signal transmission.
- Do not over rotate or press the head support, or it may be damaged.
- Do not stretch or twist the head strap.
- Do not block the air intake or outlet vents on the headset or the heat dissipation capabilities may be adversely affected.
- Carefully protect the lenses from dust or scratches. To clean the lenses, use a soft cleaning cloth and wipe them gently.
- Clean the surface with a soft cloth dipped in a mild detergent. Do not use solvents or alcohol products as these may damage the surface.
- Handle the headset with care for it contains precision optical modules that may be damaged by any accidental falls.
- Adjust the vision to the optimal state before watching your movies in order to avoid any discomfort.
- Do not over-rotate the viewing control knobs as it may cause them to be damaged.

- It is suggested that you rest regularly while using the device. Please stop immediately when you feel any discomfort such as eyestrain, fatigue, or nausea. You may resume use when the discomfort dissipates. Consult a doctor if the discomfort continues or is excessive.
- Watching video images or playing games using this device may affect the eyesight of growing children. It is suggested that children under 12 use the device under the careful guidance of their parents.

## 6. Warning

- Do not use or store the device in humid environments.
- Any unauthorized disassembly or opening of the device is forbidden and voids any warranty.
- Do not dispose of the product with the household garbage. Correct disposal of the device is conducive to protecting the environment and the human race from any adverse effect.
- Changes or modifications to this device not expressly approved by Shenzhen NED Optics Co., Ltd. could void the user's authority to operate the device.

## 7. Warranty

### • Warranty Policy

In strict accordance with the Regulations, the GOOVIS is fully warranted for repair, replacement or compensation for quality problems under the following condition:

Within 12 months of purchase or receipt of the device, the warranty of the main body is 1 year and accessories are 3 months. As verified by a receipt, if it has any verifiable quality problems that have been confirmed by the GOOVIS after-sales service center, you may have your device repaired or replaced without charge (except for shipping). The decision to replace or repair the device will be determined by the GOOVIS repair center depending upon the issue that is encountered.

The warranty policy as specified above does not apply to the after-sales service caused by the use for commercial purposes.

### • Voided Warranty Policy

The following actions will void the warranty:

- 1) Unauthorized repair, misuse, damage, negligence, abuse, accident, alteration, water immersion, improper use of the GOOVIS, destruction or obliteration of labels or false proof mark, etc.
- 2) Consumable items including the cushion and the lens cleaning cloth, which are treated as being used upon unsealing of the product package.

3) Free gifts.

4) Use of parts unconfirmed by the manufacturer, and damage to the device caused by not following the operating instructions in its use, repair, maintenance, and transport or other accidents.

5) Damage that occurs outside of the warranty period.

6) Damage caused by force majeure.

## 8. Manufacturing Information

Product: 3D Head Mounted Display

Model: HL01S

Product certification:  

Manufacturer: Shenzhen NED Optics Co., Ltd.

Web: <https://www.goovislife.com>

Email: [goovishw@nedoptics.com.cn](mailto:goovishw@nedoptics.com.cn)

Made in China

## 9. Customers Supporting

Thanks for your ordering GOOVIS, If you do not understand the instructions or have any concerns or questions, please contact customer service at [goovishw@nedoptics.com.cn](mailto:goovishw@nedoptics.com.cn) or Scan the QR code to get in touch.



FB:GOOVIS JP KR SG



FB:GOOVIS EN

EN service phone: 008613828899245

JP KR service phone: 008618681477937

Email : [goovishw@nedoptics.com.cn](mailto:goovishw@nedoptics.com.cn)

