
智能液晶调光音频墨镜

Smart LCD tinting audio sunglasses

使用说明书

Instruction manual

声明

首先对您使用本公司的产品表示感谢！在使用之前请先阅读此说明书，正确使用此产品。为了更好的服务，本用户手册的内容可能变更。因为产品的性能和功能而发生的变更，将不做另行通知。

产品简介

智能液晶调光音频墨镜是开放式定向音频智能眼镜，本产品是具有自动调光功能的立体声蓝牙耳机，操作简便，便于携带。

功能特点

①快速调光功能

镜片由最亮状态转变至最暗状态整个变色过程仅需0.1秒。该墨镜能依据使用环境的光线强度自动调节镜片的黑暗程度，使用者不会遭受强光带来的炫目，避免出现强光环境下产生的视觉疲劳和视觉效果不佳的情况。

②防紫外功能

镜片材料有抗紫外线功能，具有99%以上紫外线阻隔，保护使用者的眼睛。

③偏光功能

此款眼镜的镜片具有偏光片，所以产品具备偏光眼镜功能如：防路面反光、水面反光、镜面反光等。

④防异色功能

镜片的底色偏灰棕色，在一定程度上可避免镜片带色(如偏红、偏蓝、偏绿)所导致的视觉异色，使其有较好使用效果，提高驾车时的安全性。

⑤支持蓝牙连接

本机搭载炬芯3015蓝牙芯片，带来稳定的信号传输，支持更高品质的音乐传输，低延迟，不卡顿，享受更好的通话及音乐品质。

⑥长续航，尽情享受

眼镜的镜腿双边搭载100mAh锂聚合物电池，一次充电即可待机超过7天，持续播放音乐超过4-5小时，持续通话超过4.5小时。

⑦快速充电

本款眼镜支持快充，充电时最大充电电流100mA，1.5小时即可完成充电。

⑧支持语音通话

本机搭载2718上进音单麦被动麦克风，支持ENC通话降噪，通话清晰，无惧干扰。

传统太阳眼镜和智能液晶调光蓝牙墨镜的对比：

应用场景	传统太阳眼镜透过率	
正常阳光底下	约12%	约20%
抬头直面阳光		约7%
阳光下低头		约15%
阴凉处		约37%

智能液晶调光音频墨镜会随着外界光线的强度变化迅速自我调节透过率(镜片暗透变化)，保障了环境变化下良好的视觉效果提高了安全性，也不易产生视觉疲劳。

产品参数

型号	XPYDYN
镜架颜色	黑色
镜架材质	Grilamid TR
镜片材质	液晶调光膜片，TAC
调光速度	0.1秒
蓝牙协议	5.0
充电时间	1.5小时
电池容量	右镜腿100mAh
充电电压和电流	DC5V，支持快充，最大充电电流100mA
声道	双喇叭、立体声
蓝牙参数	蓝牙工作频率2.4G与发射功率9DB

- ①兼容主流品牌手机和平板电脑等蓝牙设备。
- ②支持 AAC、SBC音频解码技术，达到 CD 级音质。
- ③左右双喇叭，定向播放，真正的立体声音效。

包装清单

- ① 眼镜 √
- ② 充电线 √
- ③ 眼镜袋+眼镜布 √
- ④ 说明书 √

操作说明



1.开/关机

①拔下充电器即可自动开机。在关机状态时，左右镜腿同时长按触控区4秒即可开机，听到提示音“Power on”即为开机，并提示“Pairing”即为蓝牙配对中。

②插上充电器则自动关机。在开机状态下，长按左或右镜腿触控区 4 秒关机，听到提示音“Power off”，则关机。

2.蓝牙配对连接

眼镜开机，左右镜腿自动配对，红蓝灯交替快闪，配对完成，灯熄灭，提示音“duludu”。打开要连接的设备蓝牙（如手机，MP3 播放器，电脑等），可搜索到设备名称：HCD，点击连接，并自动弹出蓝牙配对窗口，点击：配对，蓝牙连接成功，提示音“叮叮叮”。

①无配对记录开机后，自动进入配对状态；有配对记录时，开机自动回连最后使用的手机；

②回连手机时，连接成功后，提示音“叮叮叮”；与手机连接断开时，提示音“咚咚”。

3.播放音乐

①音乐播放/暂停，双击右镜腿触控区。

②下一曲，双击左镜腿触控区。

4.语音助手

三击左镜腿触摸键启动语音助手，例如 Siri、小艺、小爱同学等。

5.打电话

①接听/挂断电话，双击镜腿触摸区。

6.充电

①低电报警会每隔 5 分钟提示一次“Battery Low”；

②低电关机提示“Power off”；

③充电时，指示灯会常亮红灯；充电完成，则红蓝灯会交替闪烁 10 秒后熄灭。

提示

①使用本产品前请仔细阅读说明书，并保留本说明书。

②首次使用，请先将本产品充满电。

③如果产品长期(超过两周)不充电，使用前请对其充电。

④较脏的镜片不要直接擦拭，应先镜片打湿，再用眼镜布拭干。尽量使用绒面且吸水性较强眼镜布轻轻抹拭干净，注意不要太用力。擦拭时，眼镜布要朝着同一个方向擦拭，不能来回擦拭，也不能在镜片上转着圈擦。

⑤当电池温度超出 -10°C — 50°C 的时候，产品将会停止工作。

注意事项

①请勿以任何理由拆除或维修改装本产品，否则可能会导致起火，电子击穿甚至彻底损坏本产品。

②请勿将设备置于温度过低或过高(-10°C 以下或 50°C 以上)环境下。

③请勿将产品直接接触液体弄湿，泡在液体里，或直接接触化学试剂。眼镜进水后请在阴暗环境下自然晾干或用吹风机慢慢吹干回复室温后使用（使用吹风机时请避免温度过高，以防烤伤眼镜）。

④镜腿采用轻质合成材料制成，有一定的打开范围。不可过度或者反方向掰扯镜腿，可能会导致镜腿断裂。

⑤不能将眼镜放在阳光下长时间暴晒，否则易变形、老化、折断。

⑥请勿将充电线磁吸端靠近金属物体，防止磁吸金属物体后引起的短路危险。

重要安全信息

●在使用本设备前，请先阅读所有安全信息以确保正确和安全使用。

●使用未经本制造商认可的电源，充电器或电池，可能引发火灾，爆炸或其他危险。

●本眼镜在外界强光直射下，最低透过率可能会低于8%，有可能会影响开车安全，如仍

佩戴，出现问题本公司不予承担一切法律责任。

- 请使用本制造商认可且与此型号设备配套的配件。
- 请在温度-10°C—50°C 范围内使用本设备，并在常温下存放设备及其配件。当环境温度过高或过低时，可能会引起设备故障。
- 该设备使用不可拆卸的内置电池，请勿自行更换电池，以免损坏电池或设备。
- 若充电完毕，请断开充电器与本设备的连接，并从电源插座上拔掉充电器，连续充电时间请勿超过12小时。
- 电池禁止拆卸，撞击，挤压或投入火中，若出现严重膨胀，请勿继续使用。
- 请勿置于高温环境中，电池过热可能会引起爆炸。
- 请保持设备干燥。
- 若设备或其他任何部件不能正常工作，请勿自行维修任何产品
- 连接其他设备时，请参考用户手册的连接方法，不要随意连接不配套的设备。



为避免听力受损，请勿长时间使用高音量。



警告

- 请遵循相关法律法规，不要在以下环境使用。
- 严禁在加油站，油库，化学仓库附近等存储有易燃易爆油气或化学品的环境使用设备。
- 请勿在医院手术室、急诊室、深切治疗部等场所使用此设备；为避免干扰医疗仪器工作，使用此设备时请远离心脏起搏器、助听器、植入耳蜗等医用设备，请保持此设备和起搏器之间超过 15 厘米的距离。
- 若要在个人医疗设备附近使用此设备，请咨询医师和设备制造商。
- 请遵守有关驾车时使用此设备的所有安全警告和规定。
- 雷雨天气时，为避免雷击事故，请勿在室外使用。
- 请勿在浴室等高湿度的地方使用充电器，否则会导致触电，起火和充电器损坏。
- 请遵守在任何环境里明确禁止使用的相关法律规定。

产品三包凭证

真诚地感谢您购买本产品！

为了更好地享受“三包”权益，请您购买本产品后妥善保管购买发票及三包凭证。

购买发票及三包凭证需填写完整正确。

三包条例

在三包有效期内，因产品本身质量问题引起的故障，凭购买凭证和三包凭证，按三包规定将享受下列三包服务：

- 1.自购买之日起7日内，眼镜出现性能故障，消费者可以选择退货、换货和修理。
- 2.自购买之日起第8日至15日内，眼镜出现性能故障，消费者可以选择换货和修理。
- 3.自购买之日起第16日至一年内，眼镜出现性能故障，消费者享受免费修理。

属于下列情况之一不实行三包

- 1.超过三包有效期的；
- 2.无三包凭证及购买发票的；
- 3.未按产品使用说明书要求使用、维护、保养而造成损坏的；
- 4.非授权修理者拆动造成损坏的；
- 5.因不可抗力造成损坏的；
- 6.由于使用者使用不当，（如坠落、挤压、进液）而造成损坏的。

Statement

Thank you for using our product. Please read the manual before using. The manual might change due to hardware or software update.

Product profile

Smart LCD tinting audio sunglasses are open directional audio smart glasses. This product is stereo bluetooth glasses with automatic dimming function, which is easy to operate and carry.

Product introduction

①Fast-dimming

The entire changing process of the lens from the brightest state to the darkest takes only 0.1 seconds. The sunglasses can automatically adjust the darkness of the lens according to the light intensity of the use environment, and the user will not suffer from dazzling caused by strong light, and avoid visual fatigue and poor visual effects caused by strong light environment.

②UV cut

Lens material has anti-ultraviolet function, blocking more than 99% of the ultraviolet rays, protecting the eyes of users.

③Polarization

Polarizers are applied in the production of the lenses of this type of glasses, so the product also has the functions of general polarized glasses such as: anti-road reflection, water reflection, mirror reflection, etc.

④No color shift

The background color of the lens is grayish-brown, which can avoid the visual discoloration caused by the color of the lens (such as reddish and blueish green) to a certain extent, so as to bring better use effect and improve the safety of driving.

⑤Support bluetooth connection

This sunglasses is equipped with Actions 3015 bluetooth chip, which brings stable signal transmission, supports higher quality music transmission, low latency, no freeze, and enjoys better call and music quality.

⑥Long battery life

Both sides of the glasses temples are equipped with 100mAh lithium polymer batteries, which can stand by for more than 7 days on a single charge, continue to play music for more than 4-5 hours, and talk for more than 4.5 hours.

⑦Quick charge

The sunglasses support fast charging, the maximum charging current is 100mA when charging, and the charging can be completed in 1.5 hours.

⑧Support voice call

This device is equipped with a 2718 upward-facing single-microphone passive pickup system, supporting ENC (Environmental Noise Cancellation) for enhanced call clarity and effective suppression of ambient interference.

Comparison with traditional sunglasses:

Under the sun Scenarios	Traditional Sunglasses' About12%	About20%
Facing the sun		About7%
Heads down in the sun		About15%
In the Shade		About37%

Smart LCD tinting audio sunglasses will quickly self-adjust the transmittance through changes in the intensity of external light (the lens is dark and transparent), ensuring good visual effects under environmental changes, improving safety, and not prone to visual fatigue.

Product characteristics

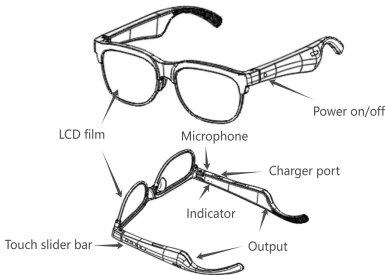
Frame color	Black
Frame Materials	Grilamid TR
Lens materials	Smart liquid crystal tinting film, TAC
Dimming Speed	0.1S
Bluetooth	5.0
Charging time	1.5hours
Battery capacity	100mAh for each temple
Charging voltage	DC 5V, compatible with quick charge Max charging current 100 mA
Speakers	Dual stereo speakers

- ①Compatible with bluetooth devices such as mainstream brand mobile phones and tablets.
- ②Supports AAC audio decoding technology to achieve CD-level sound quality.
- ③Left and right double speakers, directional playback, real stereo sound effect.

Packing list

- ①Smart LCD tinting audio sunglasses *1
- ②Charging cable *1
- ③Glasses pouch (with cleaning cloth)*1
- ④User manual*1

Operational instructions



◆How to switch on/switch off?

- ①Unplug the charger to automatically turn on. In the off state, the left and right temples can be turned on by pressing the touch area for 4 seconds at the same time. When the prompt sound "Power on" is heard, it is turned on, and the prompt "Pairing" is bluetooth pairing.

②Plug in the charger to automatically shut down. In the power-on state, press and hold the left or right temple touch area for 4 seconds to power off. When you hear the beep "Power off", it's power off.

◆How to connect?

When the glasses are turned on, the left and right temples are automatically paired, the red and blue lights flash alternately, the pairing is completed, the lights are off, and the prompt sound "duludu". Open the bluetooth of the device to be connected (such as mobile phone, MP3 player, computer, etc.), you can search for the device name:HCD, click connect, and the bluetooth pairing window will automatically pop up, click: pair, bluetooth connection is successful, and the prompt sound "Ding Ding Ding" .

①When there is no pairing record, it will automatically enter the pairing state; when there is a pairing record, it will automatically connect to the last used mobile phone when it is turned on;

②When the mobile phone is connected back, after the connection is successful, the prompt sound "ding ding ding"; when disconnected from the mobile phone, the prompt sound "dongding".

◆Play music

①Play/pause: double tap the touch control area on your right temple.

②Next song: double tap on touch control area on your left temple.

◆Voice Assistant

Voice control: triple tap on touch control area on your left temple to activate voice control, such as Siri, Alexa, etc.

◆Answer/hand up phone call.

Answer/hand up phone call: double tap touch control area on either temple.

◆About charging

①Low battery alarm will prompt "Battery Low" every 5 minutes;

②Low battery shutdown will prompt "Power off";

③When charging, the indicator light will always be red; when charging is completed, the red and blue lights will flash alternately for 10 seconds extinguished.

Notice

①Please read the manual carefully before using this product, and keep this manual.

②Please fully charge the product before using it for the first time.

③If the product is not charged for a long time (more than two weeks), please charge it before use.

④Do not wipe the lenses directly. Wet the lenses first, and then dry them with glasses cloth. Try to use suede and strong absorbent glasses cloth to wipe clean gently, carefully not to apply too much force. When wiping, the glasses cloth should be wiped in the same direction, not back and forth, nor wiping circularly on the lens.

⑤When the battery temperature exceeds -10°C - 50°C , the product will stop working.

Matters needing attention.

①Do not disassemble or repair or modify this product for any reason, otherwise it may cause fire, electronic breakdown or even complete damage to this product.

②Do not place the device in an environment with too low or too high temperature (below -10°C or above 50°C).

③Do not wet the product in contact with liquid, soak in liquid, or directly contact with chemical reagents. After the glasses are filled with water, please dry them naturally in a dark environment or use a hair dryer to slowly dry them before returning to room temperature (when using the hair dryer, please avoid high temperature to prevent the glasses from being burned).

④The temples are made of lightweight synthetic materials with a certain opening range. Do not pull the temples excessively or in the opposite direction, as the temples may break.

⑤Do not expose the glasses to the sun for a long time, otherwise they will be deformed, aging, or broken.

⑥Do not put the magnetic end of the charging cable close to metal objects to prevent the danger of short circuit caused by magnetically attracting metal objects.

Important safety information.

①Before using the sunglasses, please read all safety information to ensure correct and safe use.

②Use of power supplies, chargers or batteries not approved by the manufacturer may cause fire, explosion or other hazards.

③Under strong external light, the minimum transmittance may be lower than 8%, which may affect driving safety. If you still wear the glasses, the company will not bear all legal responsibilities.

④Please use accessories approved by this manufacturer and compatible with this model of equipment.

⑤Please use the device within the temperature range of -10°C-50°C, and store the device and its accessories at room temperature. When the environmental temperature is too high or too low, it may cause equipment failure.

⑥The device uses a non-removable built-in battery, please do not replace the battery yourself to avoid damage to the battery or the device.

⑦If the charging is completed, please disconnect the charger from the device and unplug the charger from the power outlet. Do not charge continuously for more than 12 hours.

⑧The battery is not allowed to be disassembled, hit, squeezed or thrown into fire. If it is severely expanded, please do not continue to use it.

⑨Do not place it in a high temperature environment. Overheating of the battery may cause an explosion.

⑩Keep the equipment dry.

❏ If the device or any other parts cannot work normally, please do not repair any products by yourself.

❏ When connecting other devices, please refer to the connection method in the user manual, and do not connect unmatched devices at will.



To avoid hearing loss, do not use high volume for a long time.



Warning

①Please follow relevant laws and regulations and do not use it in the following environments.

②The use of equipment is strictly prohibited in environments where flammable and explosive oil and gas or chemicals are stored near gas stations, oil depots, and chemical warehouses.

③Do not use this equipment in hospital operating rooms, emergency rooms, intensive care departments, etc.; in order to avoid interfering with the operation of medical instruments, please keep it away from pacemakers, hearing aids, cochlear implants and other medical equipment when using this equipment. The distance between the device and the pacemaker exceeds 15 cm.

④To use this equipment near personal medical equipment, please consult a physician and the equipment manufacturer.

⑤Please observe all safety warnings and regulations concerning the use of this equipment while driving.

⑥In thunderstorms, in order to avoid lightning accidents, please do not use it outdoors.

⑦Do not use the charger in the bathroom and other places with high humidity, otherwise it may cause electric shock, personal injury, fire and damage to the charger.

⑧Please comply with relevant laws and regulations that are expressly prohibited in any environment.

Warranty certificate

In order to better enjoy the Warranty rights, please keep the purchase invoice and the Warranty certificate after purchasing this product. The purchase invoice and the certificate must be filled in completely and correctly.

Warranty regulations

During the validity period of the Warranty, if there is a failure caused by the quality of the product itself, with the purchase certificate and the Warranty certificate, you will enjoy the following services according to the Warranty:

1. Within 7 days from the date of purchase, if there is a performance failure of the glasses, consumers can choose to return, exchange and repair.
2. From the 8th to 15th day from the date of purchase, if the glasses have performance failures, consumers can choose to exchange and repair them.
3. From the 16th day to one year from the date of purchase, if the glasses have performance failures, consumers enjoy free repairs.

The Warranty is not implemented in one of the following situations.

1. The validity period of the Warranty is exceeded;
2. Without Warranty certificate and purchase invoice;
3. Failure to use and maintain the product in accordance with the requirements of the product instruction manual and cause damage;
4. Damage caused by disassembly by unauthorized repairers;
5. Damage caused by force majeure;
6. Damage caused by improper use by the user (such as falling, squeezing, or liquid ingress).

产品维修记录
Product maintenance records

	产品型号 Model No.			购买日期 Date of purchase	
序号 No.	故障描述 Fault description	故障原因 Cause of failure	处理情况 Disposition	送修日期 Maintenance date	交验日期 Date of return
1					
2					
3					

注：请保存好维修工单，维修记录方为有效。

Note: Please keep the record for maintenance.

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. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

The devices has been evaluated to meet general RF exposure requirement , the device can be used in portable exposure condition without restriction

