

pico neo

- A New Reality -

USER GUIDE

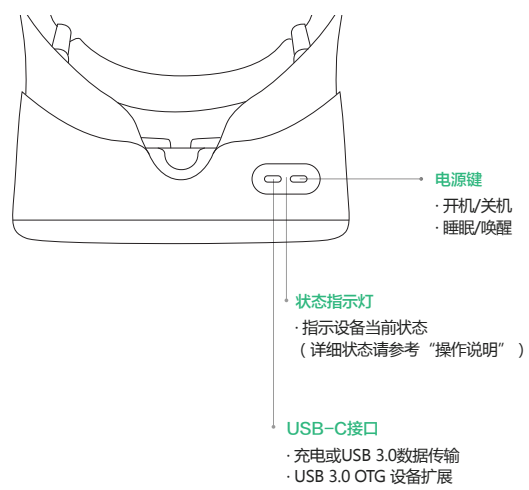
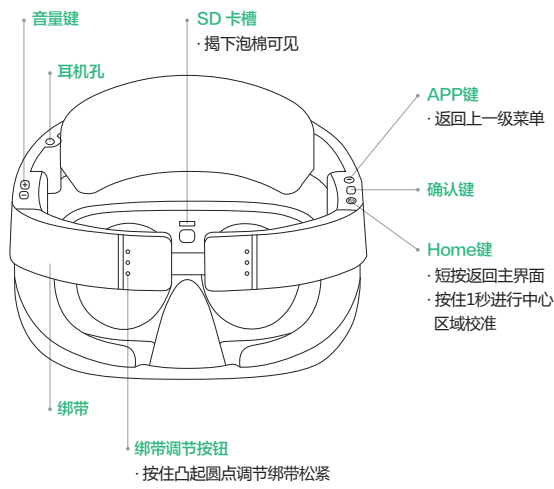
使用指南



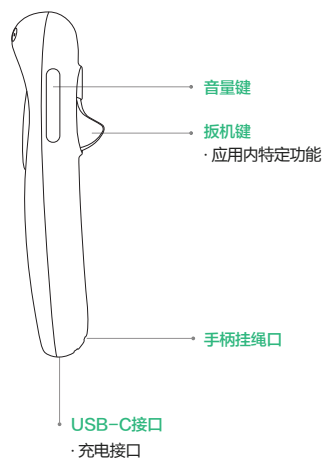
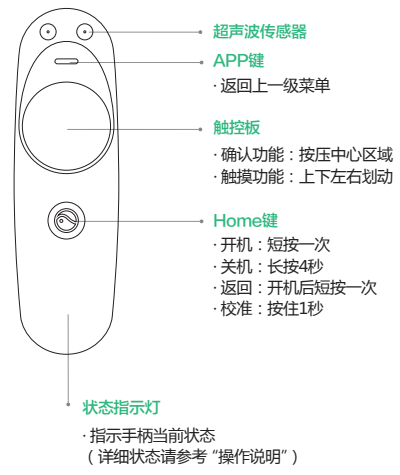
 Pico
A New Reality

Copyright © 2015-2018 Pico Interactive Inc.
All rights reserved

| 头盔部件说明



| 手柄部件说明

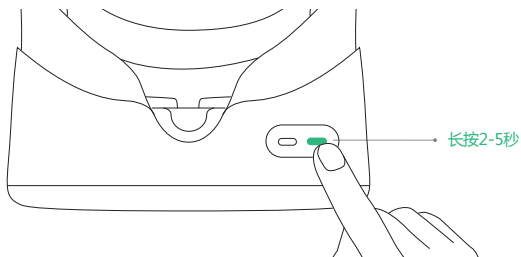


佩戴说明

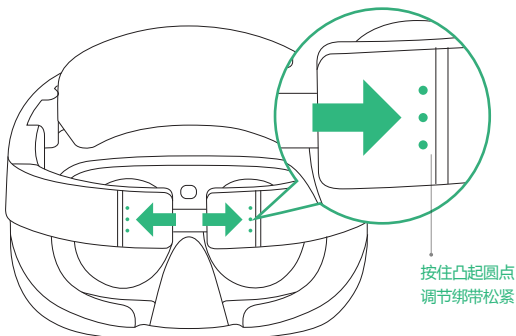
请按照如下图示步骤，进行头盔的佩戴和调节。

提示：佩戴时请勿摘下眼镜，本设备不具备焦距调节功能

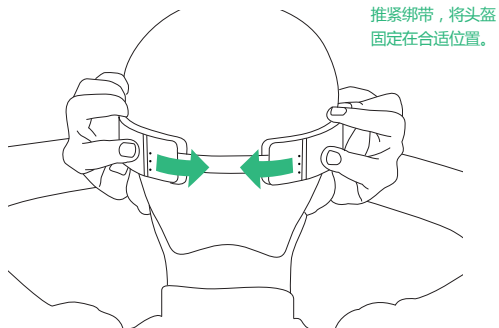
① 头盔开机



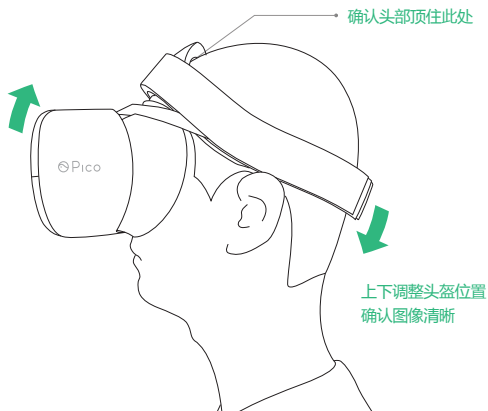
② 调松绑带



④ 佩戴头盔并推紧绑带



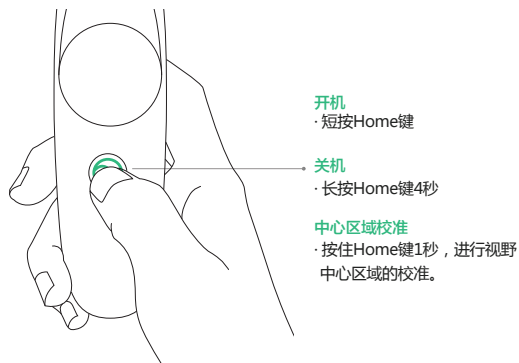
③ 调整清晰位置



连接手柄

注意：使用前，请确保手柄电量充足，能正常开机。

提示：手柄的相关操作详见“操作说明”。



1. 自动连接

开机后，根据屏幕提示，将手柄开机即可完成自动连接。连接完成后，手柄状态指示灯呈蓝色。

2. 添加新手柄

如需添加新手柄（头盔最多同时连接两个手柄），或解绑手柄后再次连接，可进入“设置” -> “手柄管理”，点击“添加手柄”，根据提示操作即可。

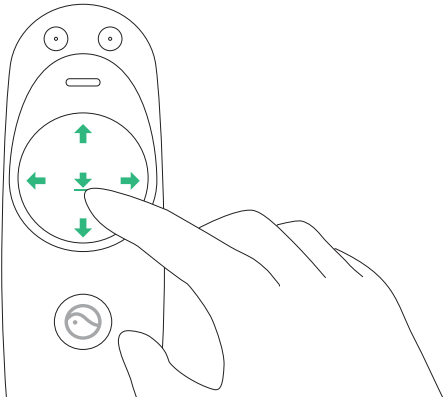
操作说明

手柄和头盔的按键功能完全相同，推荐使用手柄体验更丰富、有趣的交互和内容。

1. 触控板

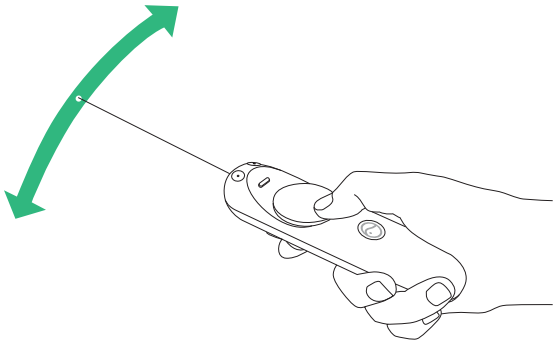
支持四个方向的划动，进行翻页等操作；

支持中心区域的点击，进行确认操作。



2. 移动光标

移动和旋转手柄/头盔。



3. 中心区域校准

按住Home键1秒，进行视野中心区域的校准。

4. 休眠/唤醒

方式一：摘下头盔一段时间后，系统自动休眠；戴上头盔时，系统自动唤醒。

方式二：短按电源键也可以进行休眠或唤醒操作。

5. 状态指示灯

1) 头盔状态指示灯

头盔指示灯颜色	系统状态
红色	正在充电，当前电量 < 20%
黄色	正在充电，当前电量 < 90%
绿色	正在充电，当前电量 > 90%
蓝色	未充电，当前电量 > 20%
红色闪烁	未充电，当前电量 < 20%
熄灭	关机或休眠中

2) 手柄状态指示灯

手柄指示灯颜色	系统状态
蓝色	已连接
红色	正在充电
蓝色闪烁	正在连接
红色闪烁	低电量
红蓝交替	进入配对状态
熄灭	已关机

重要提示

- 1. Pico Neo不提供焦距调节功能，请佩戴眼镜使用。
- 2. 镜片需注意防刮伤，擦拭清洁时请使用包装内的附赠的眼镜布，否则可能刮伤镜片，影响视觉效果。
- 3. 请在使用时，尤其是在室内行走移动时，确认周边环境安全，避免发生意外。
- 4. 头盔前部深色区域为摄像头盖板，使用时请不要遮挡该区域。
- 5. 超声波孔洞为1mm直径的小孔，分别位于头盔正面（呈三角位置分布）和手柄顶部，在使用时应该注意：1) 防止灰尘和毛絮堵塞孔洞，外出携带使用标配的便携袋；2) 禁止使用针或牙签等尖状物刺穿孔洞。
- 6. Pico Neo实现了6-DOF追踪定位功能，允许您在室内完成一定范围的移动。但追踪性能可能会受环境影响，详情请登陆Pico官网查询，或登陆Pico论坛搜索“使用环境限制”。
- 7. 长时间使用可能引发轻微的眩晕或者眼疲劳，建议使用30分钟后适当休息，可通过眼保健操或观看远处物体缓解眼疲劳。如果您的身体感到任何不适，请立即停止使用。
- 8. 由于视力发育尚未稳定，不建议12岁及以下儿童使用。
- 9. Pico Neo 的“护眼模式”经德国TUV低蓝光认证，通过软件算法降低三色通道中的蓝光量达到保护眼睛的作用，该模式下画面颜色偏黄，您可根据个人喜好在“设置 -> 亮度 -> 护眼模式”中激活或关闭此功能。
- 10. 请勿尝试自行更换电池，可能会造成电池损坏，导致过热、火灾或人体伤害等意外发生。电池只能由Pico或Pico授权服务商进行更换，更换错误型号电池可能有爆炸的危险。
- 11. 您可通过头盔按键实现基本操作，如需体验更丰富有趣的内容，请连接手柄使用。
- 12. 产品最终外观和功能以实物为准，此说明仅供参考。

产品保修条例

- 在三包有效期内，您可以依照本规定享受修理、换货、退货的权力，修理、换货、退货应凭发票或者有效购货凭证办理。
- 1. 自购买日起7日内出现的质量问题，消费者可以选择按发票价格一次性退还货款或者更换同型号产品；
 - 2. 自购买日起15日内出现的质量问题，消费者可以选择更换同型号产品；
 - 3. 自购买日起12个月内出现的质量问题，消费者可以选择免费进行修理；
 - 4. 主机之外的附属类配件质保期3个月。

重要提示

- 以下情况不属于三包范围：
- 1. 未按本产品说明书的要求使用、维护、保管而造成损坏的；
 - 2. 除本产品以外的赠品和包装盒；
 - 3. 未经授权服务者的拆机、改动、维修造成的损坏；
 - 4. 火灾、水灾、雷击等不可抗力造成的损坏；
 - 5. 已超过三包有效期。

有毒有害物质声明

部件名称		有毒有害物质或元素				
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
结构件	×	○	○	○	○	○
电路模块	×	○	○	○	○	○
光学镜片	○	○	○	○	○	○
电池	×	○	○	○	○	○
便携包	×	○	○	○	○	○
○：表示该有毒有害物质在该部件所有均质材料中的含量在SJ/T 11363-2006《电子信息产品有毒有害物质的限量要求》规定的限量要求以下。 ×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006规定的限量要求。						



官方论坛

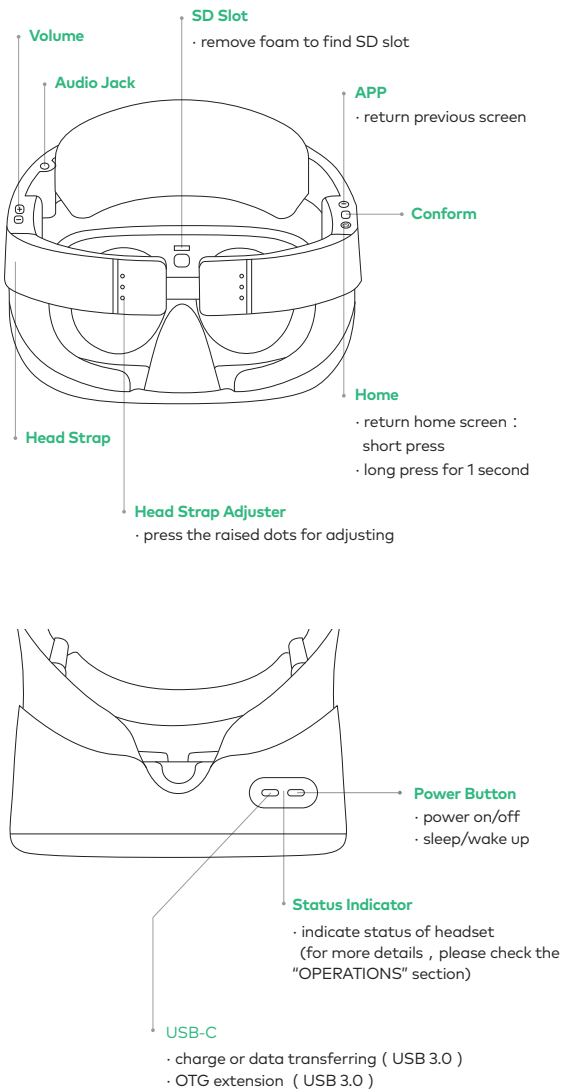


官方微信

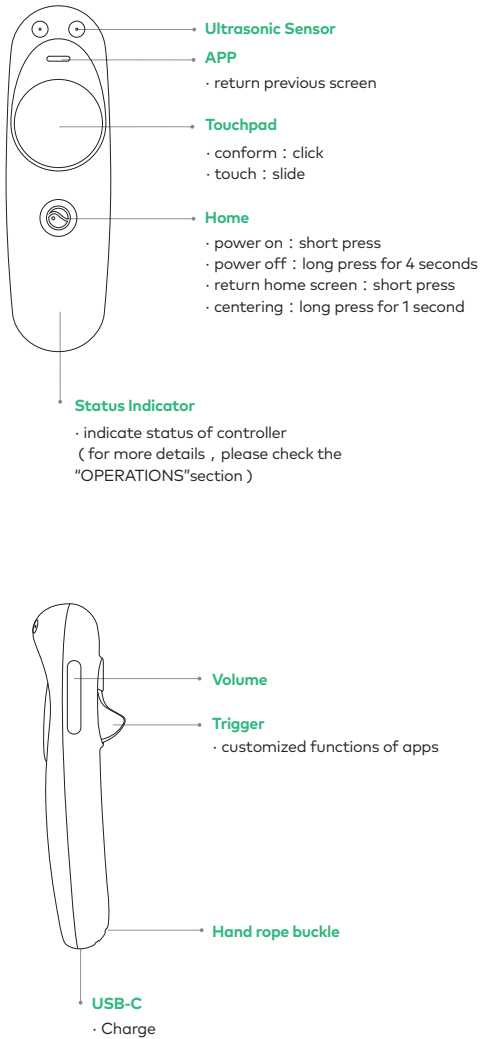
更多Pico的产品信息、售后服务政策和授权服务商的信息，
请关注Pico公众号或登陆官方网站 www.picovr.com
Pico服务热线：400-6087-666

ENGLISH

FEATURES – HEADSET



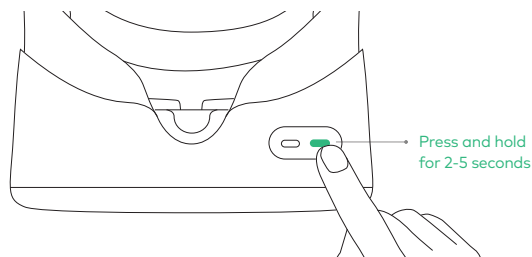
FEATURES – CONTROLLER



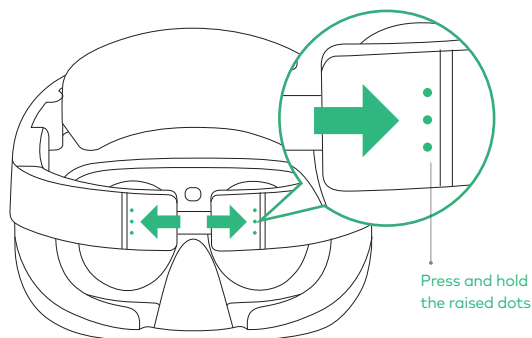
WEARING

Please wear the headset following the instructions below. Remember not to take off your glasses because Pico Neo does not support focus adjustment.

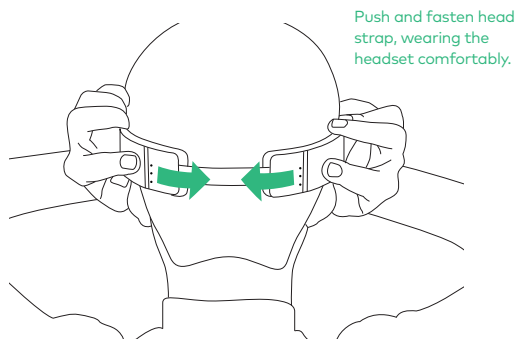
1 Power On



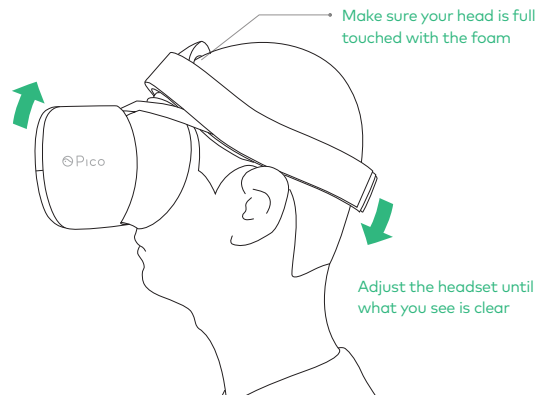
2 Loosen Head Strap



3 Wear Headset



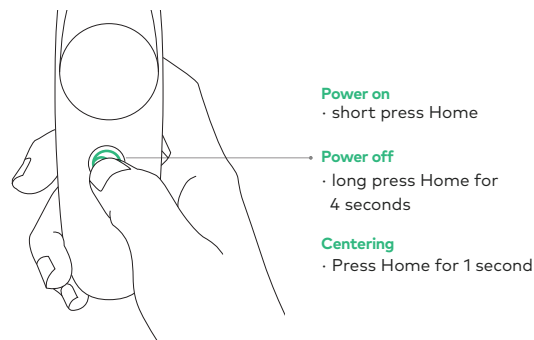
4 Find Clear Position



CONNECT WITH CONTROLLERS

Notice: Please make sure controller has enough power to start up.

Tips: Please check "OPERATIONS" section about how to use controller.



1. Auto-connection

Follow the instructions on screen when starting up the headset, press Home and automatically connection will be completed shortly. The status indicator of controller will be blue if connected.

2. Add New Controller

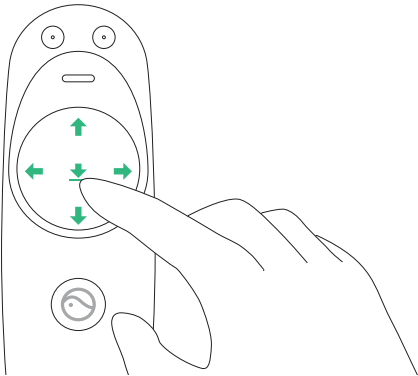
If you want to add a new controller (one headset could be connected with at most two controllers) or re-connect with an unbundled controller. Go to "Settings" -> "Controller", click on "Add Controller" and follow the instructions.

OPERATIONS

You could complete any operation using either headset or controller.
For more interesting content, please use controllers.

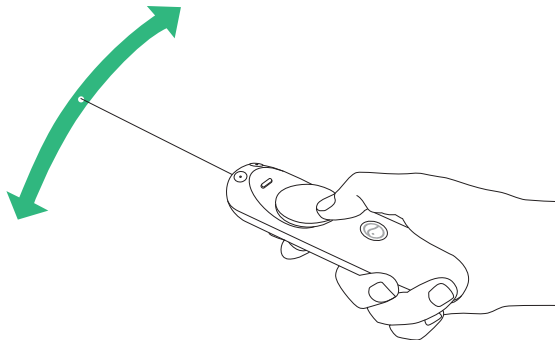
1. Touchpad

- a) Slide on the touchpad for touch functions such as page up/down
- b) Click on the center area for conformation.



2. Navigation

Move and rotate controller/headset



3. Centaring

Long press Home for 1 second.

4. Sleep/Wake up

- Option 1: take off headset for automatically sleeping;
wear headset automatically waking up.
- Option 2: press power button for manually sleeping or waking up.

5. Status Indicator

1) Headset

COLOR	SYSTEM STATUS
Red	Charging, power <20%
Yellow	Charging, power<90%
Green	Charging, power>90%
Blue	Not charging, power<90%
Flashing (red)	Not charging, power<20%
Off	Power off or sleeping

2) Controller

COLOR	SYSTEM STATUS
Blue	Connected
Red	Charging
Flashing (blue)	Connecting
Flashing (red)	Low power
Flashing (red & blue)	Paring
Off	Power off

NOTATIONS

1. Pico Neo does not support focus adjustment, do not take off your glasses.
2. Pay attention to prevent scratching lenses. Please use the glass cloth in package if you want to clean lenses, otherwise it may scratch the lenses and affect visual effect.
3. Please make sure you do not feel any discomfort and be aware of your surroundings when using Pico Neo, especially when you are moving around in room.
4. Please be careful not to cover the black area in front of the headset which has cameras settled inside.
5. There are three ultrasonic holes (1mm diameter holes) on headset and controller, please be careful of: 1) prevent dust or wool from clogging the holes. 2) Prohibit piercing holes with sharp things like needles or toothpicks.
6. Pico Neo implements 6-DOF tracking so that you could move around in room. However, it may be influenced by environment. For more details, please check "Limitations" on official website.
7. You may feel discomfort for long time using. Please take rest for 20 to 30 minutes. If you feel serious discomfort, please stop using Pico Neo and see doctors immediately.
8. Children under 12 years are not suggested to use Pico Neo.
9. Pico Neo has a function called "Eye Protection Mode", which certified by TUV, German. It could protect your eyes by reducing blue light using software algorithms. Screen after applying "Eye Protection Mode" maybe yellowish. You could set your preference in "Settings" -> "Brightness" -> "Eye Protection Mode".
10. Caution risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions. Please go to Pico's authorized dealers for battery replacement.
11. You could complete any operation using either headset or controller. For more interesting content, please use controllers.
12. This manual is for reference only.

SUPERVISION

You can find the device specific supervision information such as certification, declaration and labels at the software launcher in "Settings"- "About".

WARRANTY INFORMATION

You can repair your device for free in 12 months since the purchase date, The Limited Warranty does not cover:

1. Defects or damage resulting from improper using not included in this manual;
2. Attached parts except for controller and headset, such as the packing box or gifts;
3. Defects or damage resulting from non-authorized modification, changing or repairing;
4. Defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake or improper use of any electrical source;
5. Expire the effective date.

EU REGULATORY CONFORMANCE

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

RF Exposure Information

This device meets the EU requirements (1999/5/EC Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection. The device complies with RF specifications when the device used in normal condition. The safety distance is 20 cm for Virtual Reality Controller installed without any other radio equipment.

Hereby, Pico Technology Co., Ltd. declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

"DECLARATION OF CONFORMITY" of "CONFORMITE EUROPEENNE"

DOC Website: http://picovr.com/certifications/DOC_neo.pdf

Frequency Range (BT/WIFI):

2400-2483.5MHz and 5150-5350MHz and 5470-5725MHz

5150-5350: Indoor use only

Max Output Power of BT/WIFI 2.4G: 20dBm,

WIFI 5G: B1/B2: 23dBm, B3: 30dBm

HW Version: 001

SW Version Format: CCCC_rf01_bvYY_svZ.ZZ_YYMMDD_Bttt

"CCCC" stands for the nation. "YY" stands for Baseband Version.

"Z.ZZ" stands for the Software Version. "YY" stands for the update year.

"MM" stands for the update month. "DD" stands for the update date.

"TTT" stands for the Build No. And the update will not change the radio frequency conformance of this product.

Disposal and recycling information

The crossed-out wheeled-bin symbol on your product, battery, literature of packaging reminds you that all electronic products and batteries must be taken to separate waste collection points at the end of their working lives; they must not be disposed of in the normal waste stream with household garbage. It is the responsibility of the user to dispose of the equipment using a designated collection point or service for separate recycling of waste electrical and electronic equipment (WEEE) and batteries according to local law. Proper collection and recycling of your equipment helps ensure electrical and electronic equipment (EEE) waste is recycled in a manner that conserves valuable materials and protects human health and the environment, improper handling, accidental breakage, damage, and/or improper recycling at the end of its life may be harmful for health and environment. For more information about where and how to drop off your EEE waste, please contact your local authorities, retailer or household waste disposal service or visit the website www.picovr.com.



This equipment may be operated in



AT	BE	BG	CH	CY	CZ	DE	DK
EE	EL	ES	FI	FR	HR	HU	IE
IS	IT	LI	LT	LU	LV	MT	NL
NO	PL	PT	RO	SE	SI	SK	UK

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.

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.
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: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Product Name: Pico Neo **Model:** A7110

For more information about Pico's products, policy and authorized servers, please visit Pico's official website.

Company Name: Pico Technology Co., Ltd.

Tel: +86 400-6087-666 +86 010-83030050

Website: www.pico-interactive.com

Company Address: Room 2101, Shining Tower, No.35Xueyuan Road, HaiDian District, Beijing, P.R.China