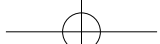


EN



## Safety and regulatory guide

The health and safety warnings in this guide are periodically updated for accuracy and completeness.  
Check [www.tpcastvr.com](http://www.tpcastvr.com) for the latest version



## English

### Product Description

TPCAST Wireless Adaptor for VIVE is a set of device matching HTC Vive, providing video wireless transmission and receiving.

This system includes HMD receiver, PC transmitter, power box, portable power bank, the customized router.

PC transmitter receives audio and video data from PC through a HDMI cable, and transfers them to wireless data of Wireless HD protocol. HMD receiver receives the wireless data from PC transmitter, and restore them to audio and video data, then output these data to VIVE HMD by a HDMI cable. There is two main function for Power box, one is used as the power supply for VIVE HMD and HMD receiver; the other one is to provide a feedback channel to enable the PC get the real time location information of the HMD.

### What's in the Box?

Main parts	Accessories
HMD receiver	Dedicated cable for long distance connection HDMI short connection cable
PC transmitter	/
Power box	/
Portable power bank	USB cable Nylon bag
Router	Power adaptor

### Product Care and Maintenance

The product is non-waterproof product, therefore attention shall be attached for proper protection including shall not use blower, air duct, etc. to dry the product when wet or the product may otherwise not be able to normally operating.

Please do not disassemble this product and avoid any surprised collision, otherwise, risk of electric shock, short circuit and fire hazard would be involved.

Please use the parts permitted only and shall not connect to any incompatible products or parts.

Please refer the local regulations on disposal of electronic wastes for proper waste management.

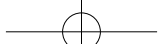
Please do not spread the small size objects the into the products through the surface vents.

Please do not clean this product with any irritating chemical, detergent, liquid detergent or aerosol.

Please operate and store the product and its accessories at temperatures between 0°C to 40°C.

### Product Specifications

Unit	Size/Weight/Color	Rating	Frequency	RF Output Power
HMD receiver	Length: 93.6mm Width: 93.6mm Thickness: 21.5mm Weight: 88g Color: Black	Input: DC 12V, 1A	60.480,000,000Hz 62.640,000,000Hz	<22.7 dBm
PC transmitter	Length: 110.0mm Width: 65.9mm Thickness: 43.6mm Weight: 90g Color: Black	Input: DC 5V, 1.5A	60.480,000,000Hz 62.640,000,000Hz	<28 dBm
Power box	Length: 117.5mm Width: 65.3mm Thickness: 38.5mm Weight: 60g Color: Black	Output: DC 12V, 1A Output: DC 5V, 1.5A	5150,000,000Hz- 5250,000,000Hz ; 5745,000,000Hz- 5825,000,000Hz	<13 dBm
Portable power bank	Length: 166mm Width: 58mm Thickness: 22mm Weight: 350g Color: Black	Input: DC 5V, 2A Output: DC 5V, 4.8A	Not available	Not available



## **Important Safety Information – Read Before Use**

Read the following warnings and information before use of the product and follow all product safety and operating instructions. Failure to do so may cause bodily injury, electric shock, fire, and other damage.

### **Ensure You Are Able to Safely Use the Product**

Consult your doctor before using the product if you have pre-existing serious medical conditions (such as a heart ailment), conditions that affect your ability to safely perform physical activities, psychiatric conditions (such as anxiety disorders or post-traumatic stress disorder), or if you are pregnant or elderly.

Do not use the product if you are sick, fatigued, under the influence of intoxicants/drugs, or are not feeling generally well, as it may exacerbate your condition.

### **Ensure the Area Around You is Safe for Use of the Product**

While wearing the product's headset you are blind to the world around you. The image displayed in the headset will not match the real world. Always use the product in a clear and safe area. Do not rely on the product's chaperone system for protection. Do not use near stairways, large windows, heat sources, or outdoors. Clear the play area of people, furniture, and other things that may be obstacles or block you from freely moving around.

For example, if a pet comes into the room while you are using the product, you likely will not be aware of the pet's presence and you could trip over your pet while moving in the virtual reality environment.

It is recommended that the product be used only while under the supervision of another person who is ready to warn of hazards that may arise while the product is being used. Examples of hazards that could arise include, but are not limited to, tangling of a cable in a manner that presents a tripping hazard, pets entering the area where the product is being used, and the user walking too close to a wall or another hazard).

### **Be Aware of the Cable and Connections**

Keep in mind the location of the cable and connections running from the headset so that you are not likely to trip over or pull on them while moving around or walking around the play area. Move your feet slowly and carefully to avoid tripping, including on the cable. Make sure to maintain good footing. Tripping over the cable or contacting obstacles could cause injury or damage.

### **Photosensitive Seizures**

Like other products that produce visual effects (including light flashes), the product together with VIVE helmet may trigger epileptic seizures, seizures, fainting, or severe dizziness even in people who have no history of these conditions. If you have a previous history of epilepsy or seizures, loss of awareness, or other symptoms linked to an epileptic condition, consult your doctor before using the product. To reduce the likelihood of a seizure do not use the product if you are tired or need sleep.

### **Repetitive Stress Injuries**

Operate the product in a comfortable posture. Do not grip the product too tightly. Press the buttons lightly. If you have tingling, numbness, stiffness, throbbing, or other discomfort, immediately stop using the product and consult your doctor.

### **Physical and Psychological Effects**

Content viewed using the product together with VIVE helmet can be intense, immersive, and appear very life-like and may cause your brain and body to react accordingly. Certain types of content (e.g. violent, scary, emotional, or adrenaline-based content) could trigger increased heart rate, spikes in blood pressure, panic attacks, anxiety, PTSD, fainting, and other adverse effects. If you have a history of negative physical or psychological reactions to certain real life circumstances, avoid using the product to view similar content.

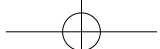
Similarly, it is important to remember that simulated objects, such as furniture, that may be encountered while using the product do not exist in the real world, and injuries may result when interacting with those simulated objects as if they were real, for example, by attempting to sit down on a virtual chair.

### **Hearing Loss**

Do not use the earphones at a high volume for prolonged periods of time, or permanent hearing loss may occur.

### **Radio Frequency Interference**

The product can emit radio waves that can interfere with the operation of nearby electronic devices. If you have a cardiac pacemaker or other implanted medical device, do not use the product until you have consulted with your doctor or the manufacturer of your medical device. To minimize radio frequency interference, use only original manufacturer-approved accessories, or accessories that do not contain any metal. Use of non-original manufacturer-approved accessories may violate your local radio frequency exposure guidelines and should be avoided.



### **Stop Using If You Experience Any Discomfort**

Stop using the product and consult your doctor if you experience any of the following symptoms:

- Seizures, loss of awareness, convulsions, involuntary movements, dizziness, disorientation, nausea, lightheadedness, drowsiness, or fatigue;
- Eye pain or discomfort, eyestrain, eye twitching, or vision abnormalities (such as altered, blurred, or double vision);
- Excessive sweating increased salivation, impaired sense of balance, impaired hand-eye coordination, or other symptoms similar to motion sickness.

Until fully recovered from these symptoms, do not drive, operate machinery, or take part in activities that may have potentially serious consequences.

Before resuming use of the product, make sure that it is properly configured.

The type of content you were using may cause your symptoms. Continuing to use such content may make you prone to experiencing the same symptoms.

### **Use by Children**

The product was not designed to be used by children. Do not leave the product within the reach of young children or allow them to use or play with it. They could hurt themselves or others, or could accidentally damage the product.

The product may contain small parts with sharp edges that may cause an injury or which could become detached and create a choking hazard for young children. Consult your doctor immediately if any parts of the product or accessories are swallowed.

If older children are permitted to use the product, then adults should monitor them closely for any negative effects during and after their use of the product. Do not allow older children to use the product if negative effects are observed. Adults should also ensure that older children avoid prolonged use of the product.

## **General Use and Maintenance Instructions**

### **Electrical safety**

This product is intended for use when supplied with power from the designated batteries or power supply units. Other usage may be dangerous and will invalidate any approval given to this product.

### **Safety precautions for proper grounding installation**

**CAUTION:** Connecting to improperly grounded equipment can result in electrical damage to the product.

This product is equipped with cables for connecting with a desktop computer. Be sure your computer is properly grounded (earthed) before connecting the product to the computer. The power supply cord of a desktop computer has an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances.

### **Safety precautions for power supply unit**

- Use the correct external power source

A product should be operated only from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your authorized service provider or local power company. For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product. For AC/DC adaptor, the socket-outlet shall be installed near the equipment and shall be easily accessible.

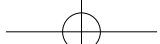
This product should be operated only with the following designated power supply unit(s).

PC Transmitter: HTC, Link box, Model, 2PU6100

Power Box: Anker, Portable power bank:, Model, A1271

- Handle battery packs carefully

The product controller contains a lithium-ion polymer or lithium-ion battery. There is a risk of fire and burns if the battery pack is handled improperly.



**Battery WARNING:** To reduce risk of fire or burns, do not disassemble, crush, puncture, short external contacts or circuits, expose to temperature above 45° C, or dispose of in fire or water. Recycle or dispose of used batteries according to the local regulations or reference guide supplied with your product.

User have to use the connection to USB interfaces with USB 2.0 version or higher.

**CAUTION:** Risk of explosion if battery is replaced by an incorrect type, Dispose of used batteries according to the instructions.



Li-ion



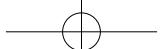
- Do not expose to liquid.
  - Keep batteries out of the reach of children.
  - Avoid dropping the product headset, controllers, or base stations. If dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- If the battery leaks:
  - Do not allow the leaking fluid to come in contact with skin or clothing. If already in contact, flush the affected area immediately with clean water and seek medical advice.
  - Do not allow the leaking fluid to come in contact with eyes. If already in contact, DO NOT rub; rinse with clean water immediately and seek medical advice.
  - Take extra precautions to keep a leaking battery away from fire as there is a danger of ignition or explosion.

### **Safety precautions for direct sunlight**

Keep the product away from excessive moisture and extreme temperatures. Do not leave the product in places such as on a car dashboard, window sill, or behind a glass that is exposed to direct sunlight or strong ultraviolet light for extended periods of time. The headset contains lenses which may focus and intensify bright light sources, causing damage to the hardware.

### **General precautions**

- Protect the product.
  - When installing base stations, avoid using unstable mounting accessories or surfaces that are prone to vibration, movement or chance of impact.
  - A secure structure must support the weight or load of the base stations.
  - Do not install near a heater, fireplace, direct sunlight, air conditioning unit or other source of direct energy.
  - Do not attempt to pry open the base stations as it could result in injury.
  - Use only approved accessories.
  - Do not connect with incompatible products or accessories.
  - Do not attempt to disassemble this product or its accessories.
  - Use only qualified personnel to service or repair this product and its accessories.
  - Always treat the product and its accessories with care and keep them in a clean and dust-free place.
  - Do not expose the product or its accessories to open flames or lit smoking products.
  - Do not drop, throw or try to bend the product or its accessories.
  - Do not use harsh chemicals, cleaning solvents, liquid cleansers or aerosols to clean the product or its accessories.
  - Do not paint the product or its accessories.
  - Store the product and its accessories at temperatures between 0°C to 40°C
  - Please check local regulations for disposal of electronic products
- Damage requiring service.
  - Contact an authorized service technician or provider under the following conditions:
  - The product has been damaged by exposure to liquid, dropped, subject to impact or damaged.
  - There are noticeable signs of overheating.
  - The product does not operate normally when you follow the operating instructions.



- Avoid hot areas.  
The product should be placed away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
- Avoid using the product after a dramatic change in temperature.  
When you move the product between environments with very different temperature and/or humidity ranges, condensation may form on or within the product. To avoid damaging the product, allow sufficient time for the moisture to evaporate before using the product.  
**NOTICE:** When taking the product from low-temperature conditions into a warmer environment or from high-temperature conditions into a cooler environment, allow the product to acclimate to room temperature before turning on power.
- Avoid pushing objects into the product.  
Never push objects of any kind into cabinet slots or other openings in the product. Slots and openings are provided for ventilation. These openings must not be blocked or covered.
- Adjust the volume.  
Turn down the volume before using headphones or other audio devices.
- Cleaning the product.  
Unplug the product from its power source before cleaning. Use a damp cloth for cleaning, but NEVER use water to clean the product. Clean and dry skin that regularly comes in contact with the headset. If there is any itching, eczema, swelling, irritation of the skin, or you experience any discomfort, please discontinue use and consult your physician.

### **About PC Transmitter regulatory agency identifications**

For regulatory identification purposes, your product is assigned a model number of TX-1. Your product's FCC ID is 2AL8N-TX001. This FCC ID can also be found printed on the PC Transmitter. To ensure continued reliable and safe operation of your device, use only the accessories listed below with your TX-1:

**NOTE:** This product is intended for use with a certified Class 2 Limited Power Source, rated 12 Volts DC, maximum 1 Amp power supply unit.

#### **RF exposure:**

To comply with the IC RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

#### **FCC RF Radiation Exposure Statement:**

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

#### **IC RF Radiation Exposure Statement:**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

#### **SIMPLIFIED EU DECLARATION OF CONFORMITY**

The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows: Hereby, TPCast declares that the radio equipment type TX-1 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:  
[www.tpcastvr.com/legal](http://www.tpcastvr.com/legal).

If this product is not working properly, please call TPCAST customer service for instruction.

**CAUTION:** The product is not intended to be serviced except by TPCAST or our authorized service providers.

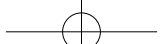
### **About HMD Receiver regulatory agency identifications**

For regulatory identification purposes, your product is assigned a model number of RX-1. Your product's FCC ID is 2AL8N-RX001. This FCC ID can also be found printed on the HMD Receiver.

**NOTE:** This product is intended for use with a certified Class 2 Limited Power Source, rated 5 Volts DC, maximum 1.5 Amp power supply unit.

#### **RF exposure:**

To comply with the IC RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

**FCC RF Radiation Exposure Statement:**

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

**IC RF Radiation Exposure Statement:**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**SIMPLIFIED EU DECLARATION OF CONFORMITY**

The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows: Hereby, TPCast declares that the radio equipment type RX-1 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

[www.tpcastvr.com/legal](http://www.tpcastvr.com/legal).

If this product is not working properly, please call TPCAST customer service for instruction.

**CAUTION:** The product is not intended to be serviced except by TPCAST or our authorized service providers.

**About Power Box regulatory agency identifications**

For regulatory identification purposes, your product is assigned a model number of AD-1.

Your product's FCC ID is 2AL8N-AD001. This FCC ID can also be found printed on the Power Box.

To ensure continued reliable and safe operation of your device, use only the accessories listed below with your AD-1:

The Battery Pack has been assigned a model number of A1271.

**NOTE:** This product is intended for use with a certified Class 2 Limited Power Source, rated 5 Volts DC, maximum 3.1 Amp power supply unit.

**5G Wi-Fi**

The device is going on be operated in 5150~5825MHz frequency range. It is restricted indoor environment only.

**FCC RF Radiation Exposure Statement:**

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

**RF Exposure Information (SAR)** This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The highest SAR value for the device as reported to the FCC is 0.89 W/kg when placed next to the body.

**IC RF Radiation Exposure Statement:**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**SIMPLIFIED EU DECLARATION OF CONFORMITY**

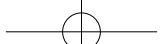
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The full text of the EU declaration of conformity is available at the following internet address:

[www.tpcastvr.com/europe-legal](http://www.tpcastvr.com/europe-legal).

If this product is not working properly, please call TPCAST customer service for instruction.

**CAUTION:** The product is not intended to be serviced except by TPCAST or our authorized service providers.



## Federal Communication Commission Interference 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 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 or television technician for help.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## Industry Canada Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

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

This Class B digital apparatus complies with FCC RF Radiation Exposure Statement: with Canadian ICES-003.



## European Union notice

This device complies with the RED Directive (2014/53/EU) issued by the Commission of the European Community. We declare under our sole responsibility that our product and in combination with our accessories, to which this declaration relates is in conformity with the appropriate standards EN 55032:2015, EN 55022:2010, EN 55024:2010+A1:2015, EN 50566, EN 301 489-1 V2.1.1, EN 301 489-17 V3.1.1, EN 301 893 V2.1.1, EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013, EN 62479, IEC 62209-2, EN 300 440 V2.1.1, EN 302 567 V2.1.0, following the provisions of, radio equipment and telecommunication terminal equipment directive 2014/53/EU.

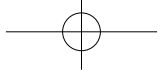
## WEEE notice

The Directive on Waste Electrical and Electronic Equipment (WEEE), which entered into force as European law on 13th February 2003, resulted in a major change in the treatment of electrical equipment at end-of-life. The purpose of this Directive is, as a first priority, the prevention of WEEE, and in addition, to promote the reuse, recycling and other forms of recovery of such wastes so as to reduce disposal.



The WEEE logo (shown at the left) on the product or on its box indicates that this product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or **electrical waste equipment by relocating over to the specified collection point** for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserving natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and environment. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.





### **RoHS compliance**

This product is in compliance with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its amendments.

### **CEC Appliance Efficiency Compliance**



The BC logo (shown at the left) indicates that this product complies with the California Energy Commission (CEC) energy efficiency standards for battery charger systems set forth at California Code of Regulations Title 20, Sections 1601 through 1608.

### **Proprietary Notice**

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