





User Guide for TPCAST Wireless Adapter for Oculus

V1.2

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 The TPCAST wireless adapter for Head-Mounted Display (HMD) substitutes the cables of the original HMD, and provides full motion and freedom. Please pay attention to safety in the play area during the Virtual Reality activity, and make sure to avoid running into objects.

 The TPCAST Wireless Adapter including the power box will get warm during usage, however, if the temperature reaches 120 F, please stop the activity and the adapter operation, in order to avoid any hazards.

Please read the user guide before operating the product.

The user guide is updated on a regular basis to improve its accuracy.

The latest version can be found at www.tpcastvr.com

TPCAST customer service: 1-888-466-2479

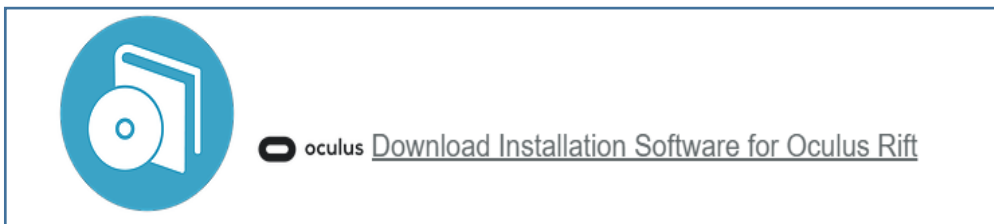
1. CLIENT SOFTWARE INSTALLATION

1. Download the software client

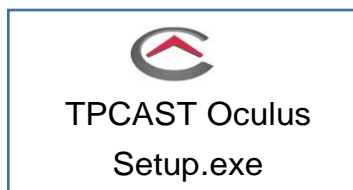
Visit the TPCAST official website www.tpcastvr.com, browse to the page of TPCAST wireless adapter for Oculus, and click to download the connection assistant for wireless adapter for Oculus. The current version of the client is compatible with Windows 7, Windows 8 and Windows 10.

www.tpcastvr.com/support

2. Install the connection assistant software



- 1) Double click the icon to run and download the installation .exe file. If you have already installed any other versions of the client, please uninstall them, and restart the PC.

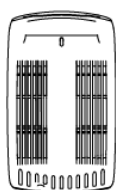


- 2) Following the system instructions, select the installation path and complete the client installation. A shortcut icon of the connection assistant will be generated on the desktop.

2. WHAT'S IN THE BOX

- | | | | |
|----|-------------------|-----|-----------------------------|
| 1. | HMD Receiver | 9. | Router |
| 2. | PC Transmitter | 10. | Router power supply |
| 3. | Power Box | 11. | Network cable |
| 4. | Battery, 20100mAh | 12. | Belt strap |
| 5. | Long cable | 13. | PC transmitter rod |
| 6. | Short HDMI cable | 14. | PC transmitter base |
| 7. | User Guide | 15. | PC transmitter power supply |
| 8. | Nylon mesh bag | | |

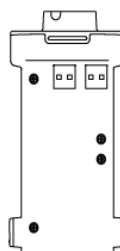
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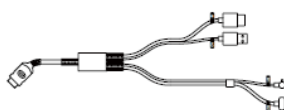
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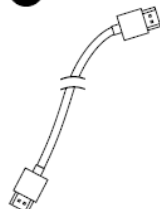
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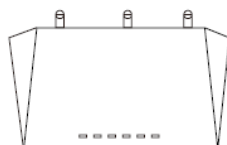
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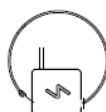
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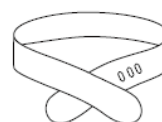
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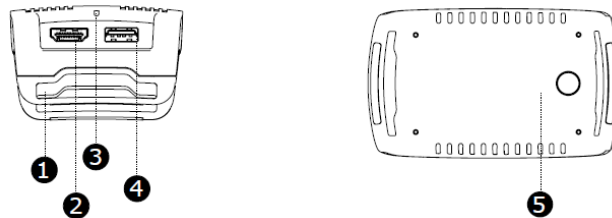
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3.

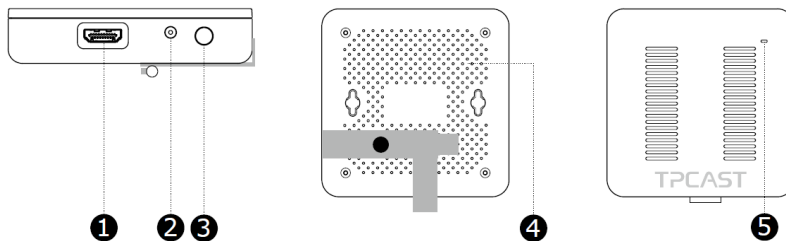
COMPONENTS DESCRIPTION

1. HMD Receiver



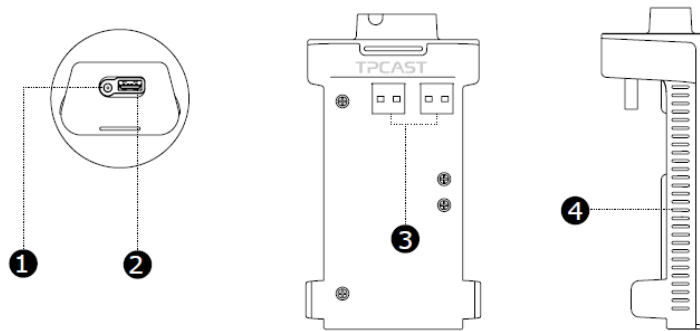
- ① HMD strap and cable hole
- ② HDMI port
- ③ Video signal connection indicator
- ④ USB port
- ⑤ Video link pairing button

2. PC Transmitter



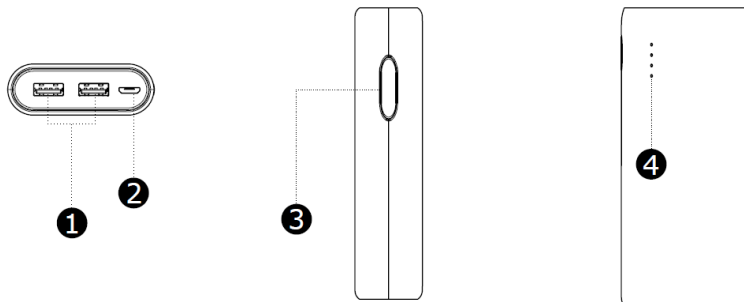
- ① HDMI port
- ② DCIN power port
- ③ Video link pairing button
- ④ Mounting screw hole
- ⑤ Video signal connection indicator

3. Power Box



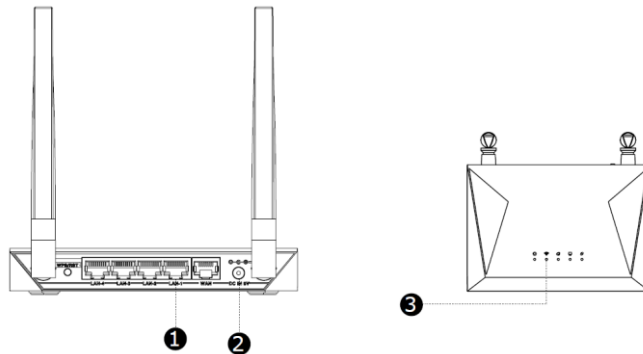
- ① DCIN power port – Connected to the long connection cable
- ② USB port – Connected to the long connection cable
- ③ Battery connector, USB port
- ④ Red Light Indicator

4. Battery



- ① USB power output port
- ② Micro USB charging port
- ③ Battery indicator button
- ④ Battery level indicator

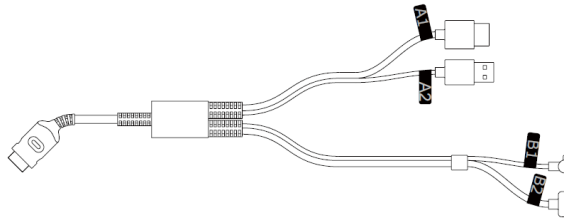
5. Router



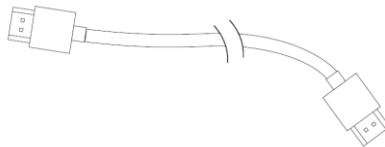
- ① Network cable port
- ② Router power adapter port
- ③ Router status lights

6. Cable

Long connection cable



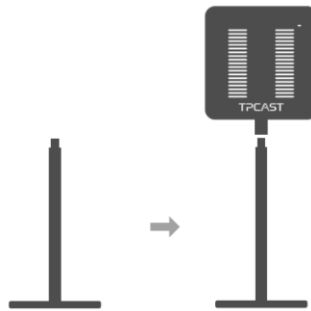
HDMI Cable



4. CONNECTION INSTRUCTIONS

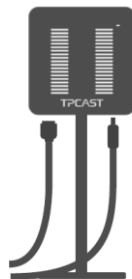
1. PC transmitter connection instructions

Step one: Screw the support rod onto the base, then screw the PC transmitter onto the support rod.



Step two: Connecting the transmitter

Plug the PC transmitter power adapter DC plug into the DCIN interface. Insert one end of the HDMI cable into the PC transmitter's HDMI port and the other end into the PC's HDMI port.



Step three: Adjust the location and angle of the PC transmitter to face the gaming area.

2.Connecting the HMD Receiver

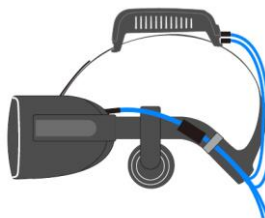
Step one: Remove the helmet's foam bracket, unplug the cables and take them out of the head strap (refer to angles shown in illustration below).



Step two: As shown in the illustration, plug the HMD strap through the tail end of the helmet's receiver and out from the front end marked with the letters "TPCAST". Then, pass it through the helmet's wire hole and secure it.



Step three: Insert the connectors of the long cable marked with the Oculus logo into the interfaces on the helmet. Plug A1 and A2 connectors into the corresponding interfaces on the helmet receiver.



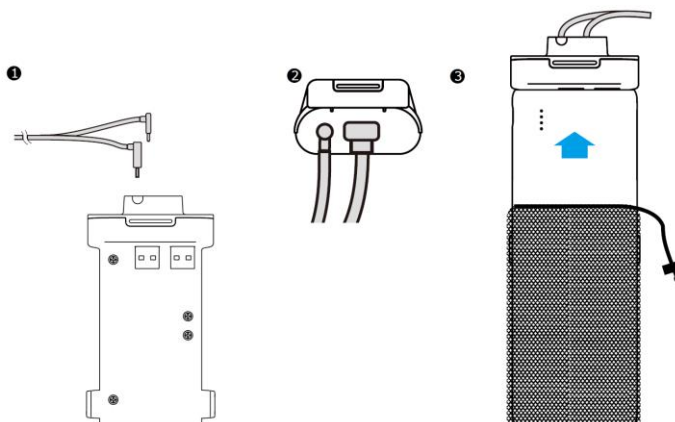
Step four: Straighten out the cable and reattach the foam bracket. Adjust the strap length to fit the user and ensure the cables are plugged in tightly and properly.

3. Power box connection instructions

Step one: As shown in the figure, respectively connect the B1 and B2 plugs of the long-distance connection cable into the power supply and HDMI ports on the power box respectively.

Step two: As shown in the figure, plug in the battery to the power box. The blue battery light indicates the remaining battery power level. To improve the utilization rate of the battery, disconnect it when it is not in use.

Step three: Put the power box with the battery in the portable pack and ensure the power box does not fall during motion.

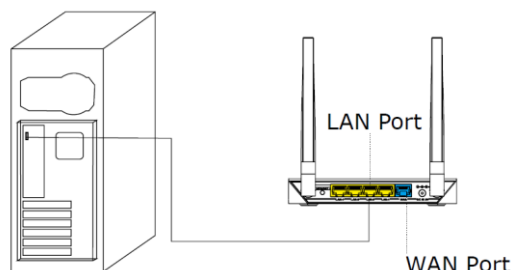


4. Router installation instructions

Step one: Connect the router power adapter and confirm that the power indicator at the front of the panel is on.

Step two: If the PC is connected to the network via the Ethernet port,

disconnect the cable from the PC Ethernet port and connect it to the router's WAN port. Connect the LAN port of the router to the PC through the supplied network cable, as shown in the figure.



Step three: In the PC's network connection settings in a Windows system, select "Local connection" to connect the router, and change the connection of the TCP/IP Settings to automatically obtain an IP address and DNS server address.

Note: Use the router as is, DO NOT modify the router's settings.

DO NOT restore the factory default settings. To optimize the user experience, it is recommended to place the router in an open location without obstacles, with a 90 -degree antenna. Avoid putting the router under a desk, behind a computer case, or in any other enclosed environment.

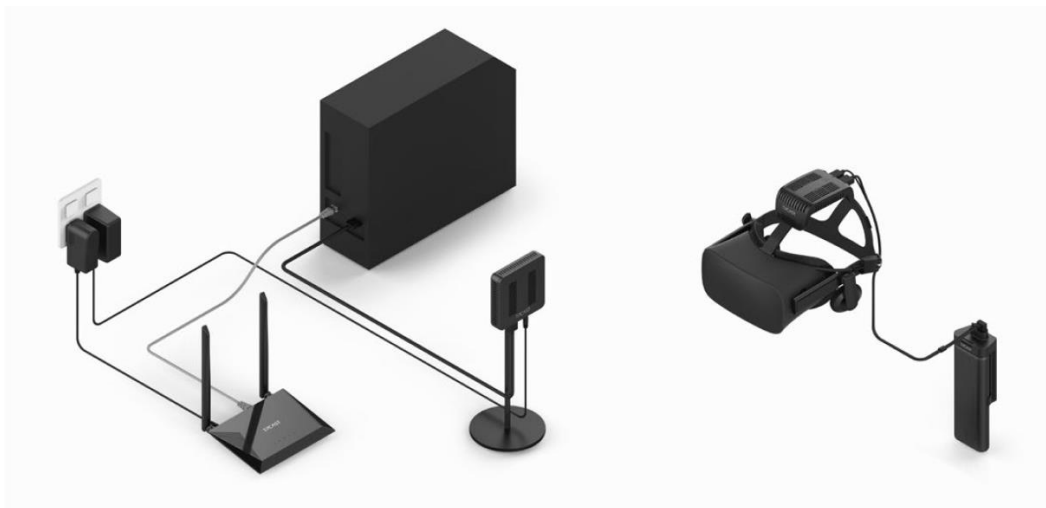
5. OPERATING INSTRUCTIONS

1. Connection verification

Verify that the TPCAST wireless adapter connections are plugged in tightly including:

- The HMD receiver
- The PC transmitter
- The power box
- The power bank and battery
- The router

Make sure that the battery is fully charged.

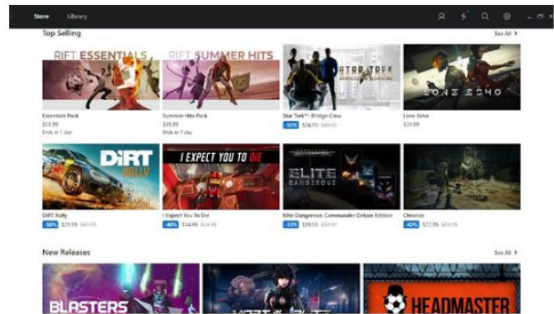


2. Positioning the PC transmitter

Set up the PC transmitter on the desktop to face the game area and ensure that there is no obstruction between PC transmitter and the HMD receiver.

3. Run wireless adapter connection assistant

Double-click the PC desktop client icon, and then click “Start” icon after the client started. The connectivity assistant will automatically test the wireless adapter working environment, in turn, when the wireless connection finishes and reports positive connectivity, please launch the Oculus home software.



4. Enjoy wireless VR

During proper operation of the wireless adapter, the indicators of both the transmitter and receiver will change from blinking quickly to LED light on. This indicates that the HMD is functioning properly.

6. SAFETY PRECAUTIONS

Safety: The TPCAST wireless adapter for Head-Mounted Display (HMD) has no cable attached, and it provides full motion and freedom. Please pay attention to security and safety in the play area during gaming, and be careful not to run into objects.

Cable: To prevent damage to the cables it is suggested not to pull the cable when grabbing the devices. If there is a need to unplug the cables, pull lightly from the connector.

Heat dissipation: The wireless adapter generates heat during normal operation, and the temperature may rise. If abnormal temperature occurs, stop activity immediately and contact TPCAST customer support.

Battery safety: The battery supplied by TPCAST is dedicated for this product only. You should not replace it with a non-TPCAST battery. Any damage caused accordingly will waive the warranty of the adapter. In order to mitigate the risk of fire hazard or combustion hazard, please do not disassemble, squeeze the portable power bank, expose the power supply to an environment exceeding 140°F (60°C), or toss into the fire or water.

Children use: Children are not allowed to use this product. Please keep this product in appropriate locations beyond the reach of children, and do not grant access to children. If elder children are allowed to use this product, please proceed with adult supervision.

Recharging: The battery can be recharged with a regular cellular phone charger, and a charger of 2A is recommended to reduce the charging period. 9~12 hours will be needed to complete a single full charge. A charger with capacity greater than 2.4A should not be used for recharging.

Service and maintenance:

The adapter is not waterproof, thus, attention should be paid to adequately protect it. Do not use a blow dryer to dry the product in case it gets wet, as it may damage the product.

- Do not drop or disassemble the adapter, as it can cause an electrical shock or fire.
- Operate and maintain the product in an environment of 14 to 104 degrees Fahrenheit.
- Use the product as directed only and do not connect to any incompatible products.
- Refer to the local regulations on disposal of electronic waste for proper waste management.
- Avoid inserting small objects into the products through the vent openings.
- Do not clean this product with any irritating chemical, detergent, liquid soap or aerosol.

Status of LED indicator:

Indicator	Location	Color	Status	Description
Video signal connection indicator	HMD receiver	Green	Off	Power off or system standby
			Slow blinking	To be paired
			Fast blinking	Successfully paired with the transmitter
			Normal light	Video in transmission
Video signal connection indicator	PC transmitter	Green	Off	Power off or system standby
			Slow blinking	To be paired
			Fast blinking	Successfully paired with the transmitter
			Normal light	Video in transmission
Power box indicator	Power box	Red	Off	Power off
			Blinking/normal light	System in normal operation
Battery indicator	Battery	Blue	Normal light	Each means 25% charge, so if 4 lights are on it is fully charged