PiTool

User Manual

Pimax Technology (Shanghai) Co., Ltd.

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Installation Environment

Preparation before installation：

- **PC Requirement：**

Now support desktop or notebook computers. If the player's computer uses dual screen or multi screen display devices, it is recommended that only one display device be used when using VR.

2、Graphic Driver Requirement:

NVIDIA graphic User：Please use the latest video driver version.

AMD graphic User: Please use 17.12.1 or earlier version of the graphics card driver.

3、OS Requirement：

Support above windows7 SP1 and 64 bit operating system, temporarily does not support 32 bit operating system.

- **Recommended PC configuration:**

Pimax 4K Series

OS：Windows 7 SP1 64bit/Windows 10 64bit

Memory：4GB or bigger

CPU：Intel i5 or equivalent or later

Output：HDMI 1.4B，USB2.0/3.0

GPU：NVIDIA GTX1050/AMD R9 290 or later

Pimax 8K Series

OS：Windows 7 SP1 64bit/Windows 10 64bit

Memory：8GB or bigger

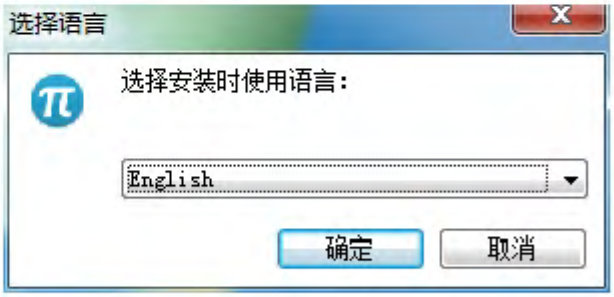
CPU：Intel i5 or equivalent or later

Output：DP1.4, USB2.0/3.0

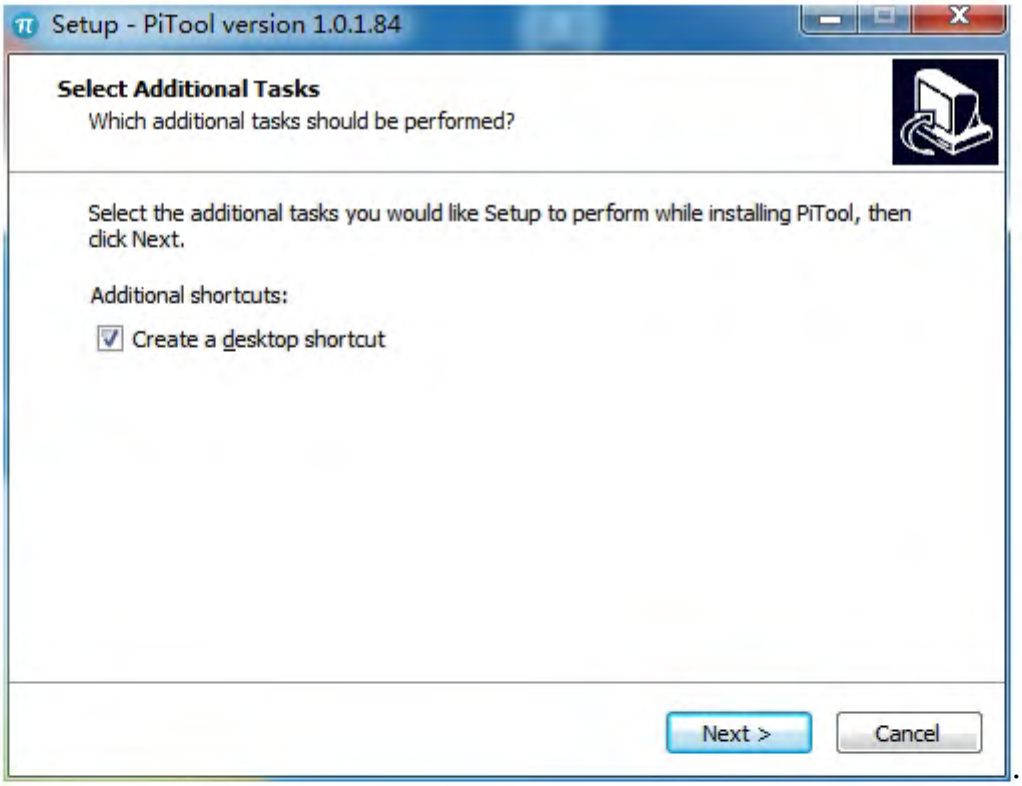
GPU：NVIDIA GTX 1070 or later

- This software currently supports WIN7 SP1, WIN10 (64 bit) operating system. Please check your computer before installation.
- Before you start to install, please close any antivirus/secure software to avoid installation failure.
- If you have installed the old version of PiTool, it will prompt you to uninstall the old version, and install PiTool after unstalling.
- Click and install PiToolSetup, and enter the PiTool installation process

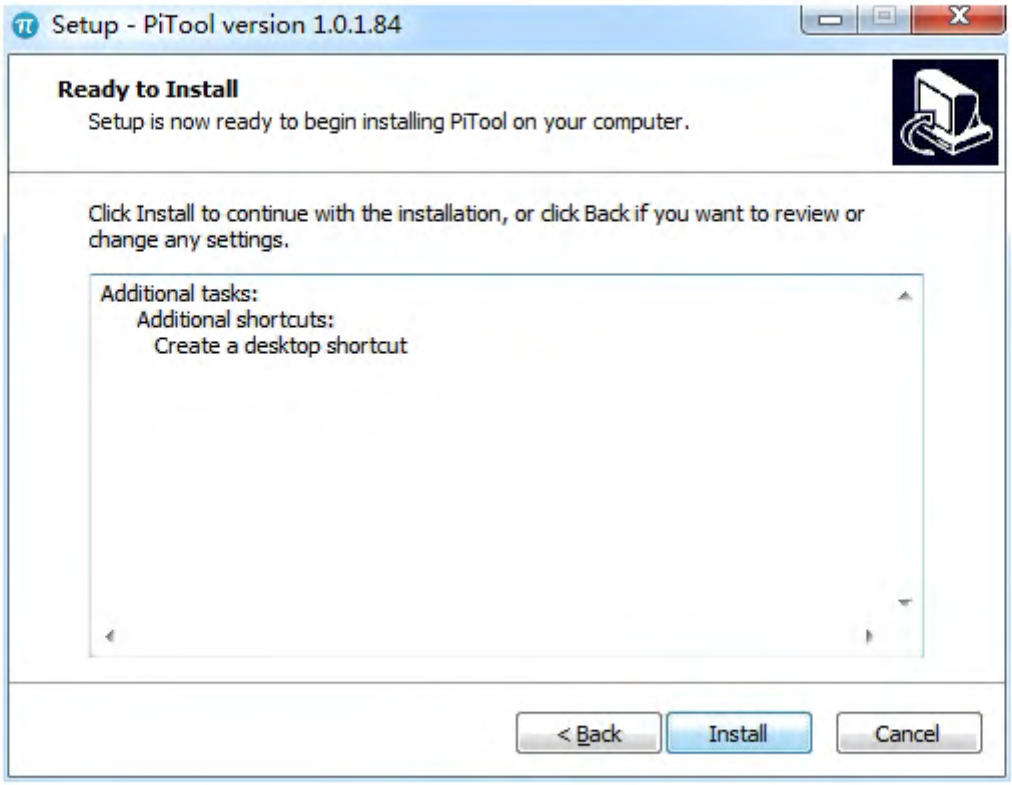
- Select the installation language, click ok



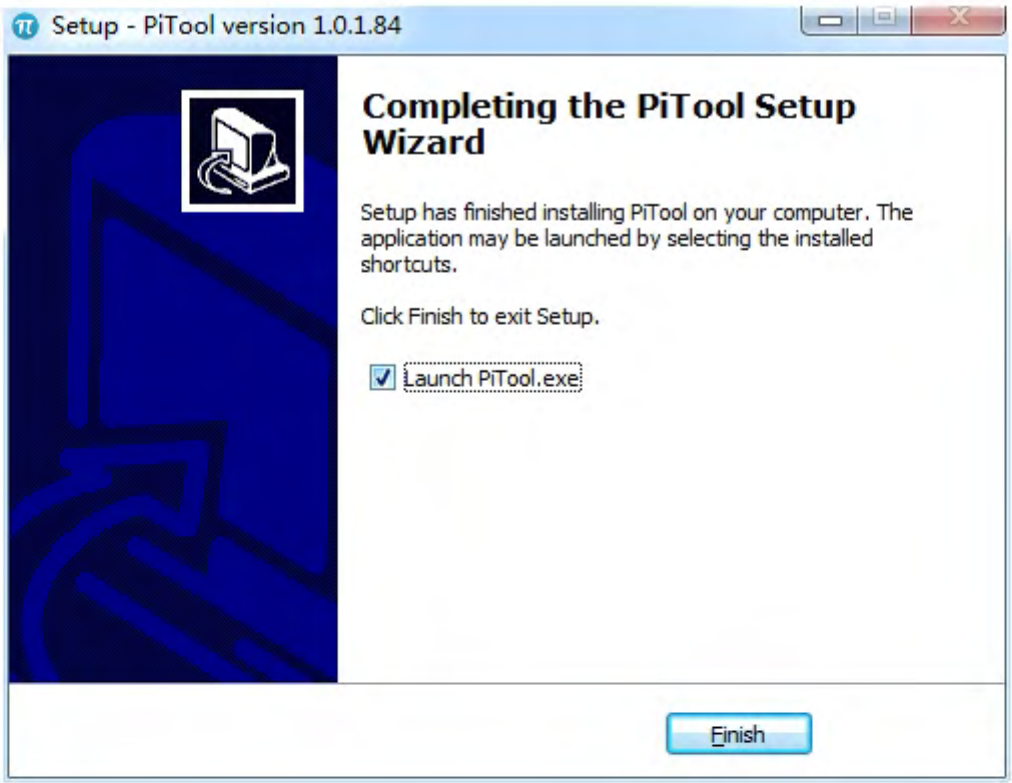
- Check whether to create a desktop shortcut;



- Wait for installation;



- Installation and completion。

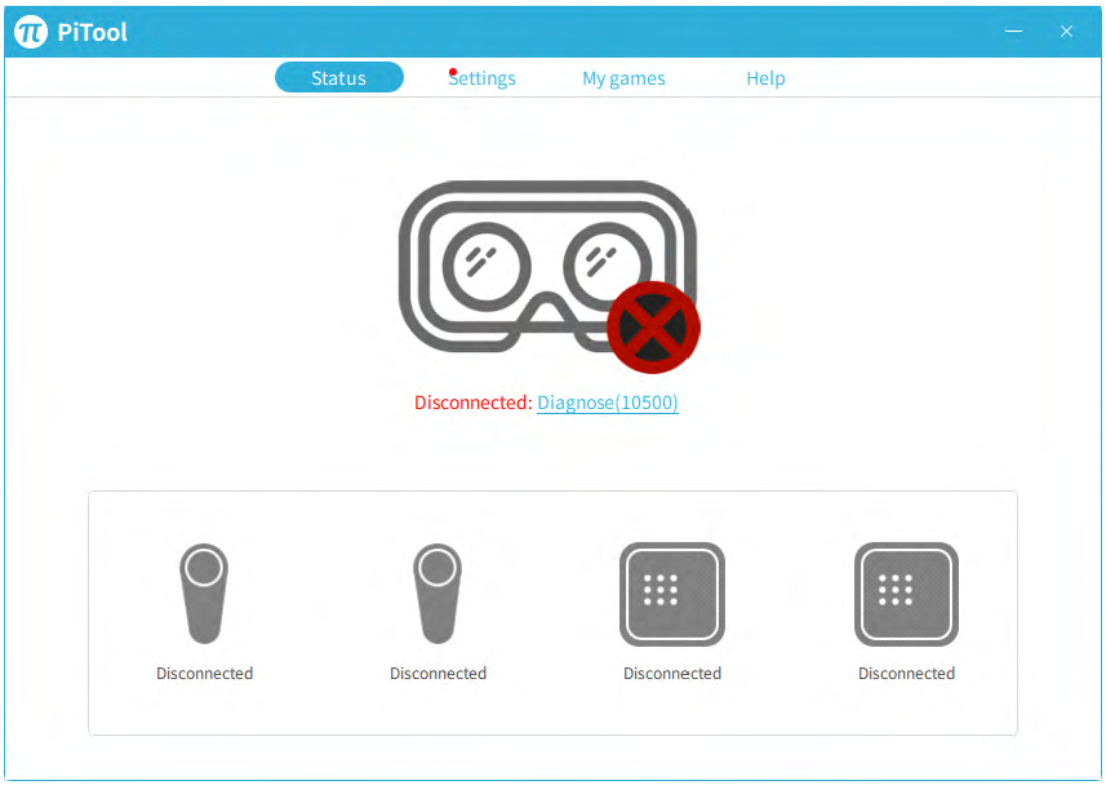


Software Function

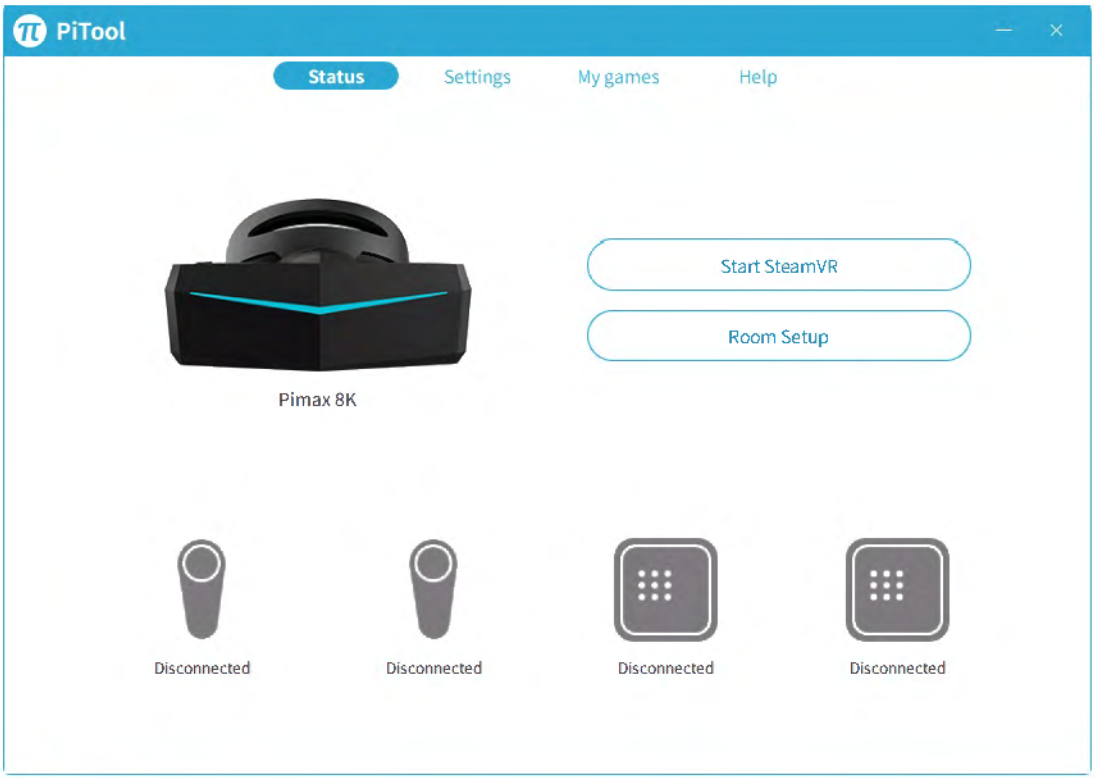
PiTool Function:

- PiTool is mainly divided into four modules: "Connection", "Setup", "My game" and "help". Users can play games conveniently and import or manage local content. The upper right corner minimization, closing options, and connection and settings allow players to set their own settings according to their own circumstances.

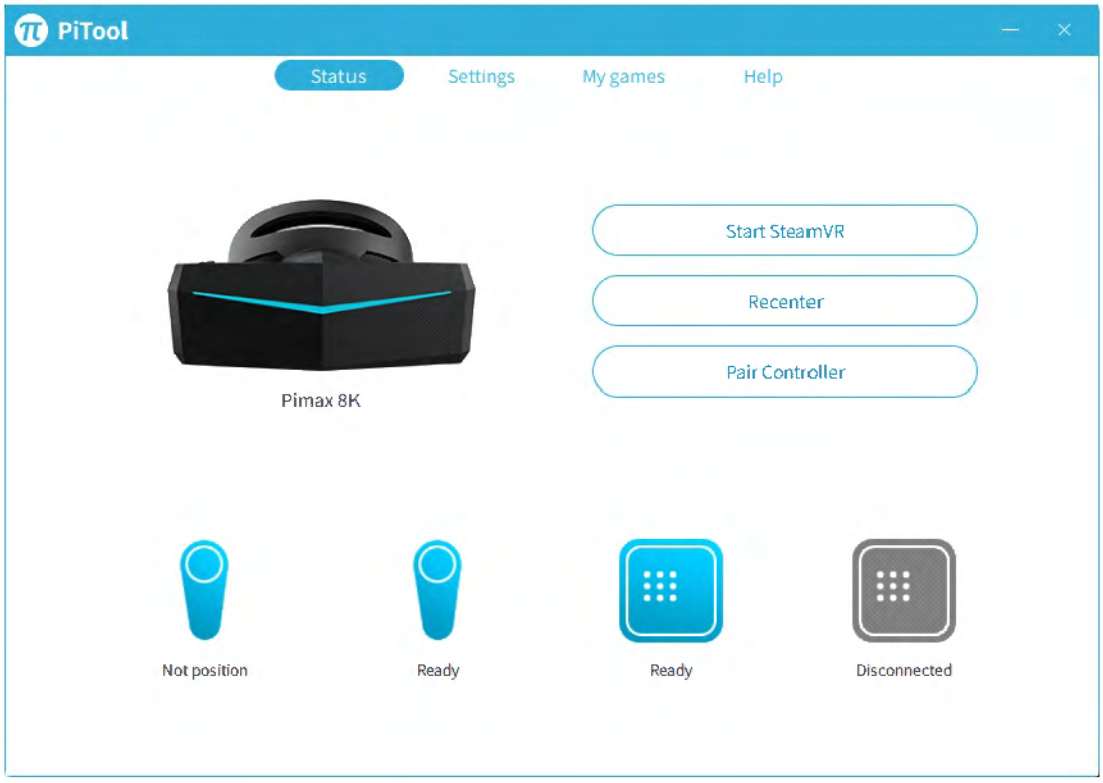
Disconnect state:



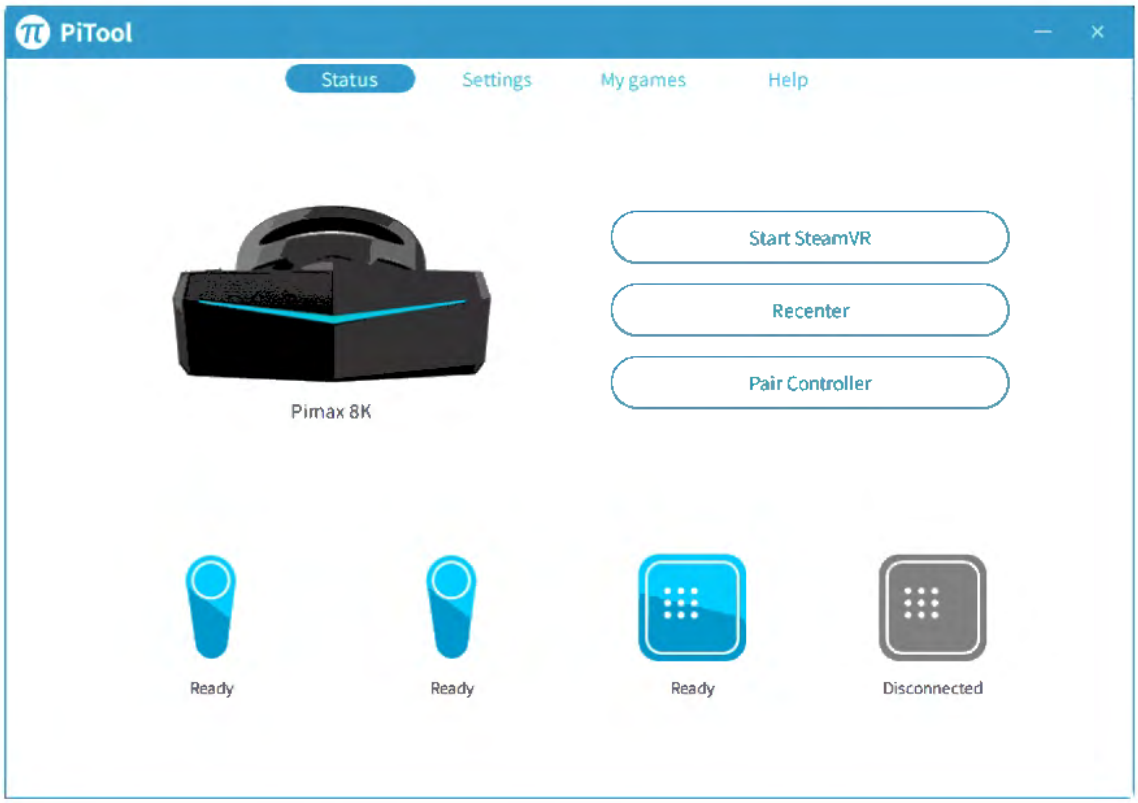
Helmet connected State:



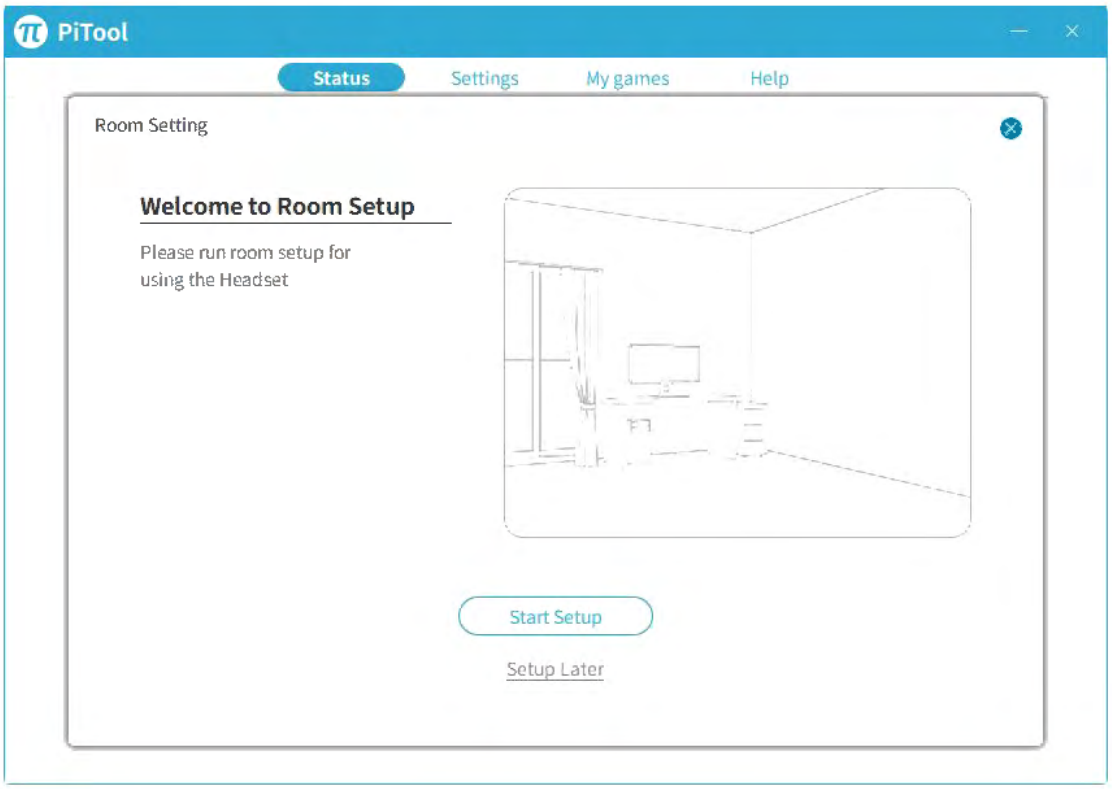
Helmet and Base Station connected state:

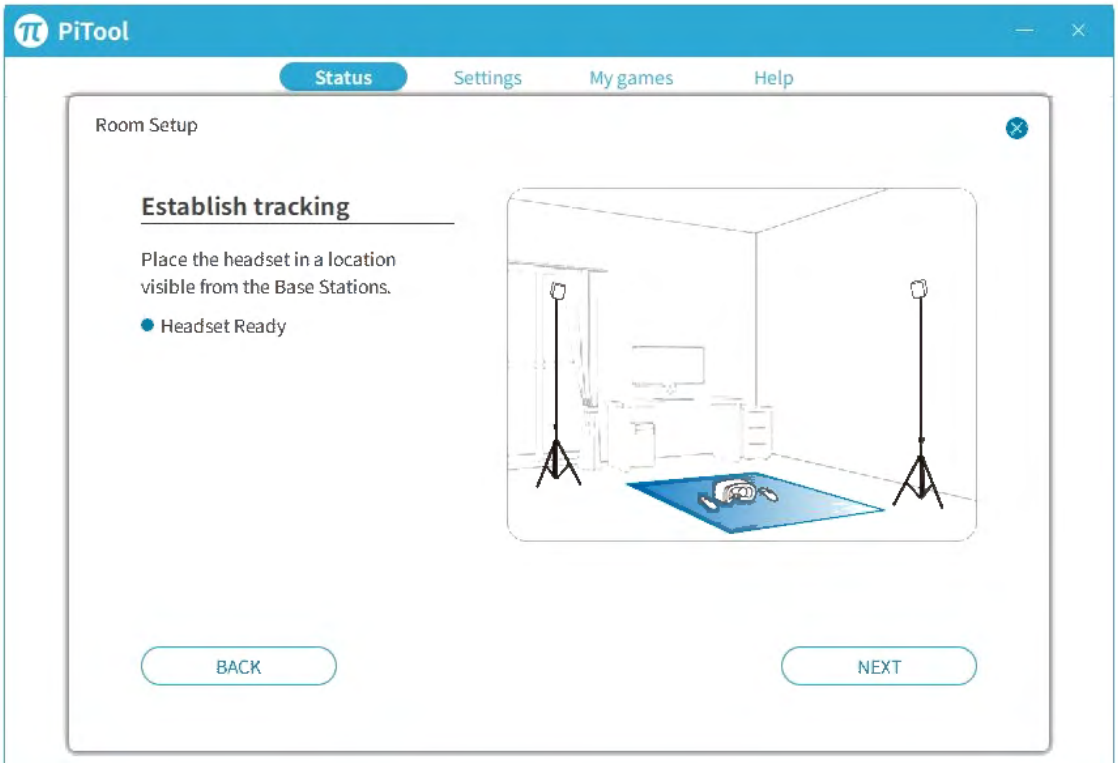


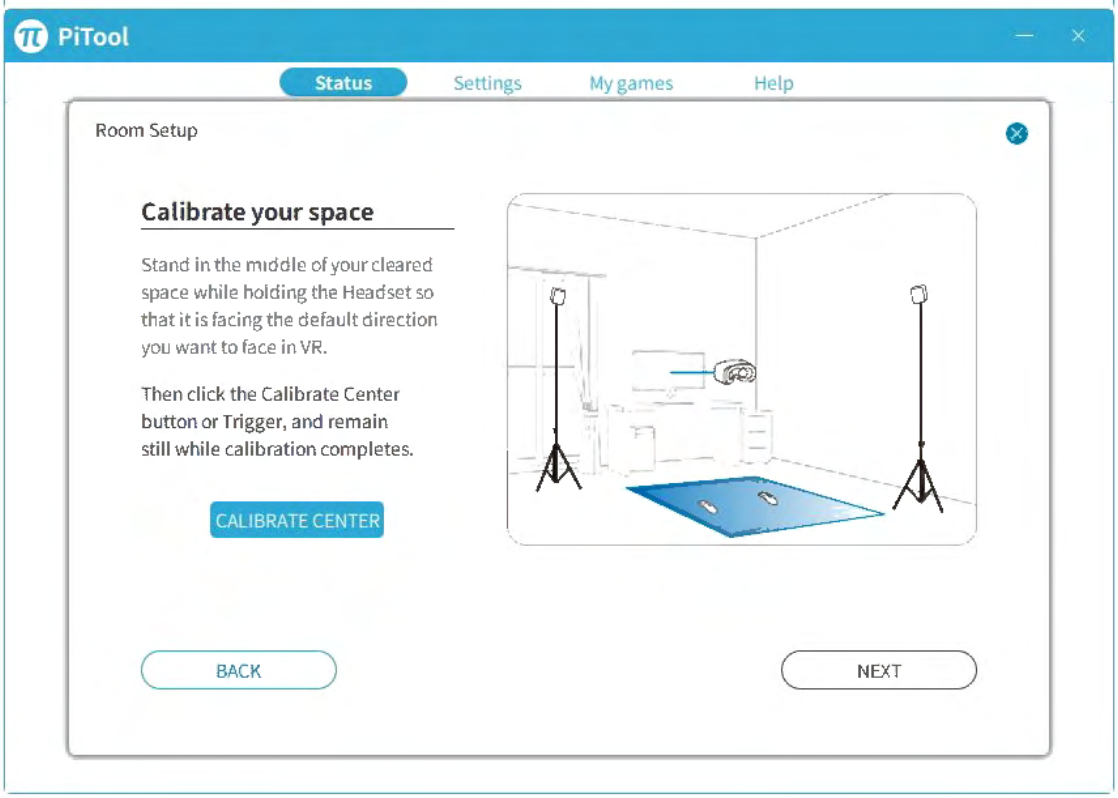
Helmet/controller/base station connected state:

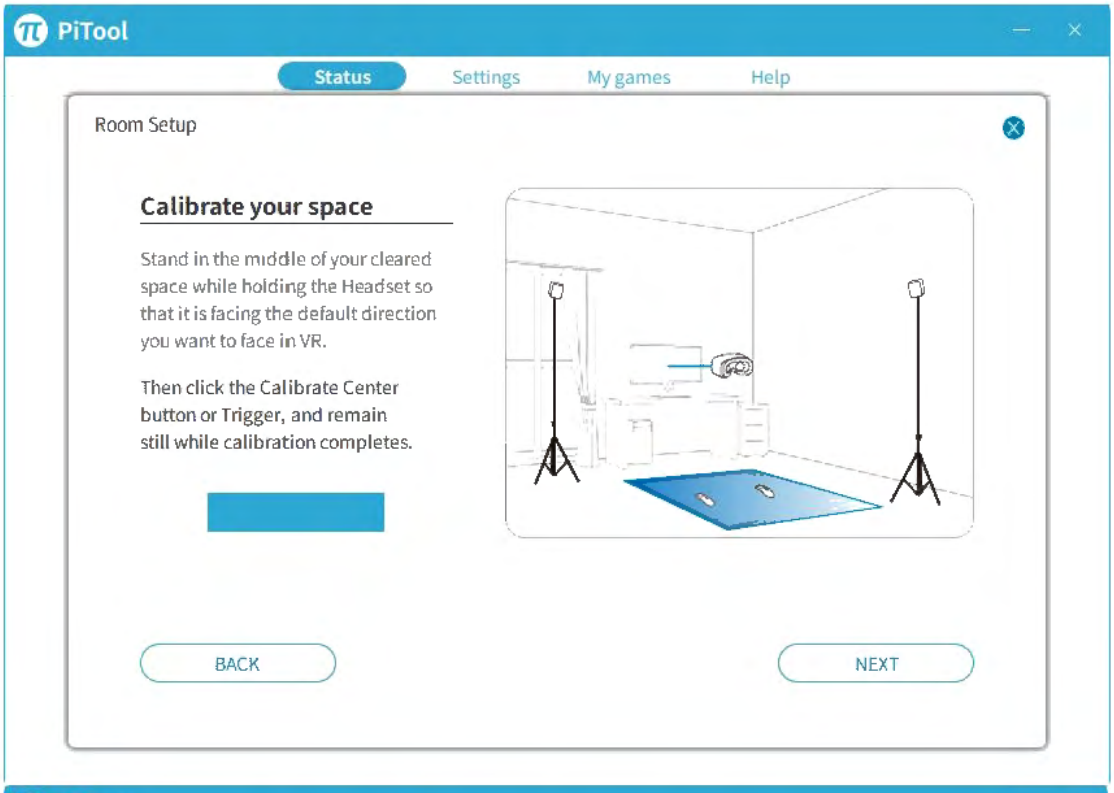


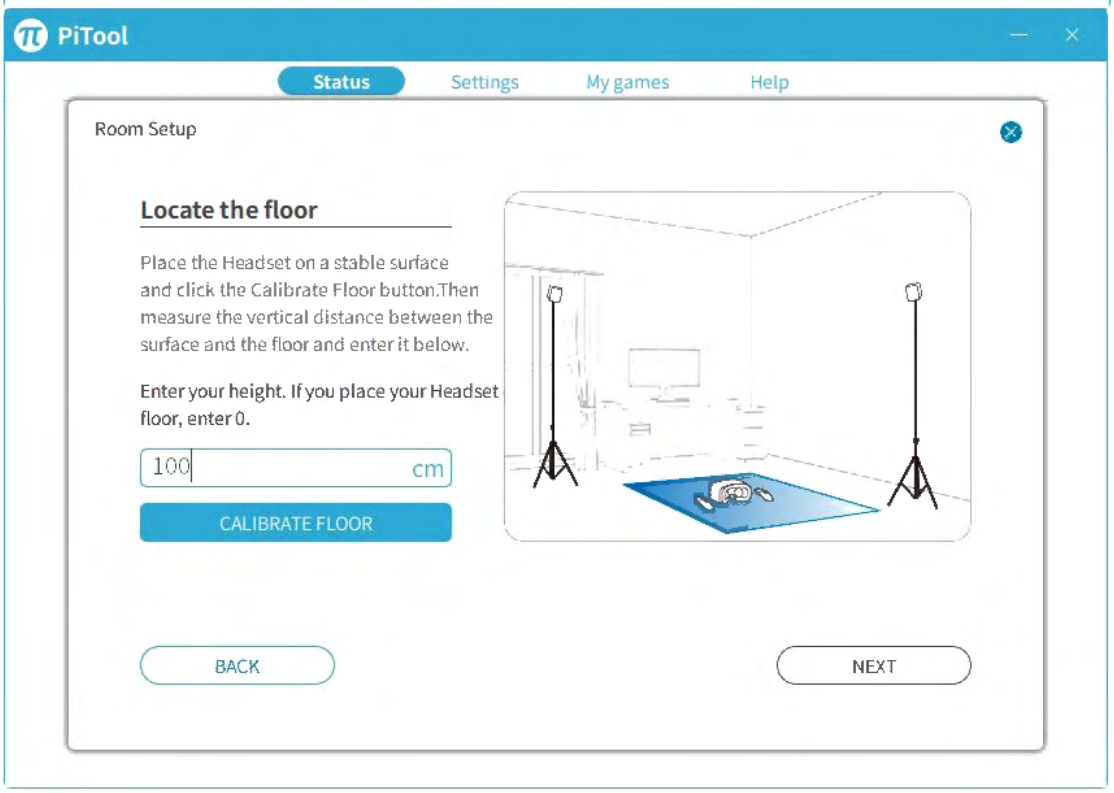
- when the helmet is connected at the first time, it prompts the room setting of PiHome (from recommendation 80-150). After entering, click the calibration.;

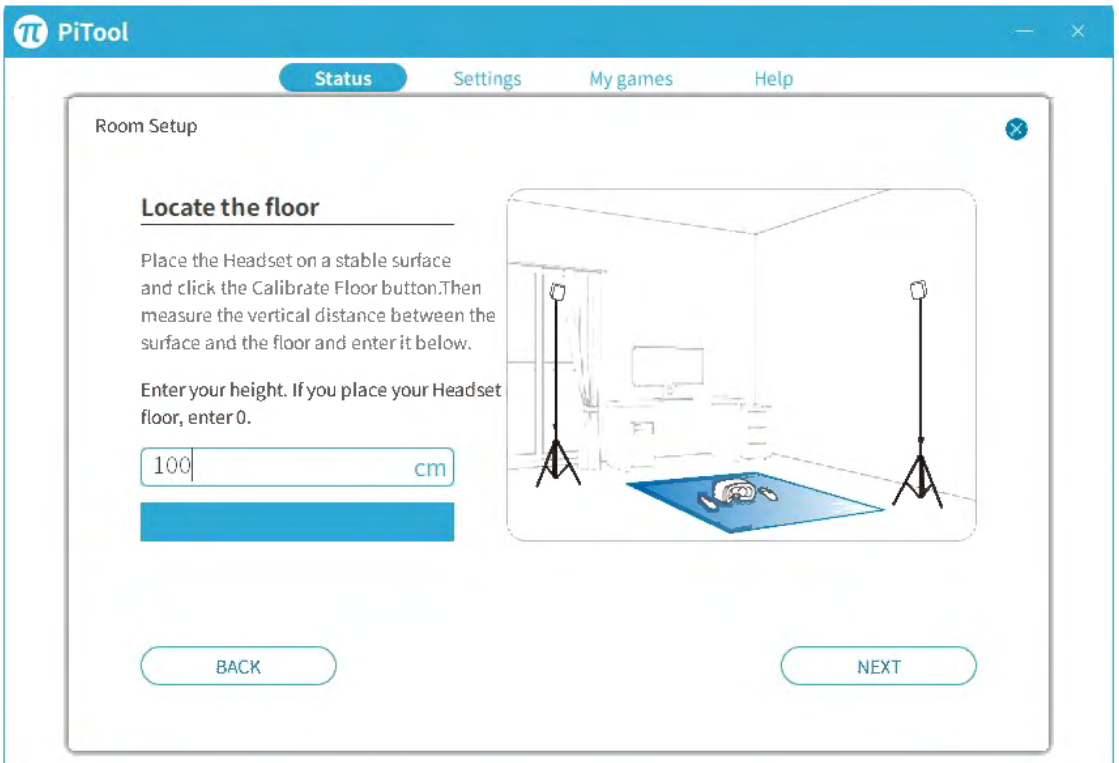


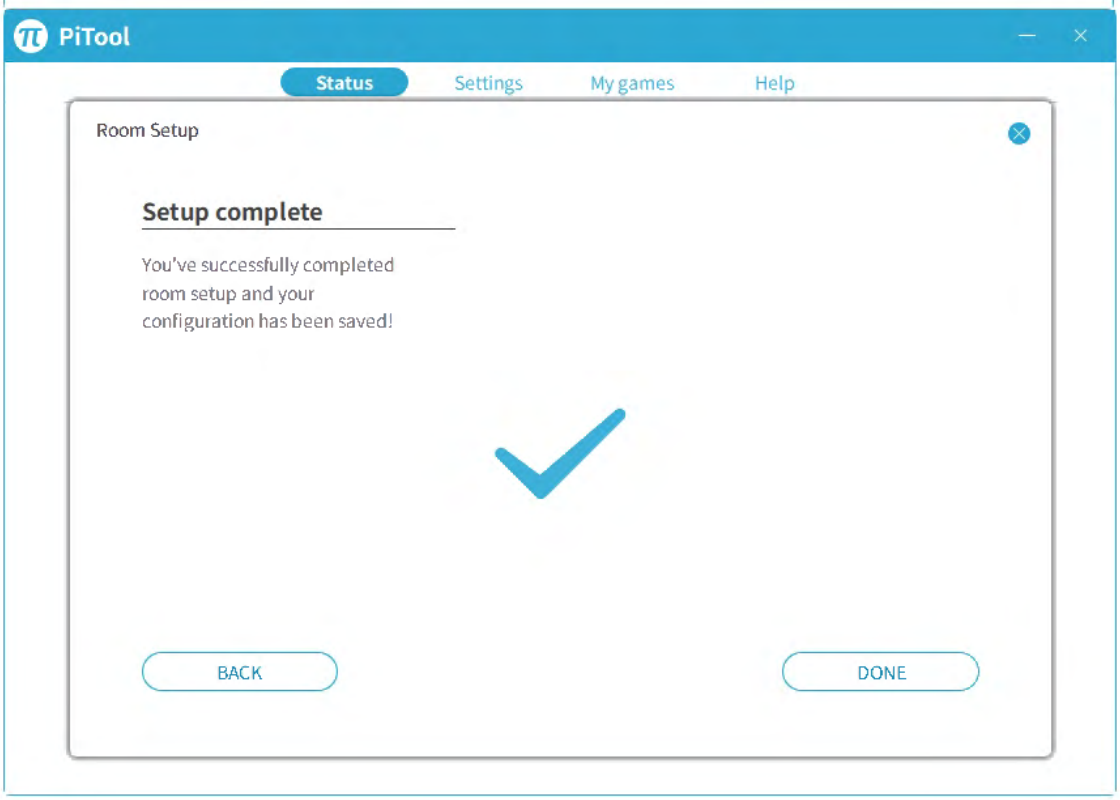

PiTool
Status
Settings
My games
Help
Room Setup
Establish tracking
Place the headset in a location visible from the Base Stations.
Headset Ready
BACK
NEXT


PiTool
Status
Settings
My games
Help
Room Setup
Calibrate your space
Stand in the middle of your cleared space while holding the Headset so that it is facing the default direction you want to face in VR.
Then click the Calibrate Center button or Trigger, and remain still while calibration completes.
CALIBRATE CENTER
BACK
NEXT

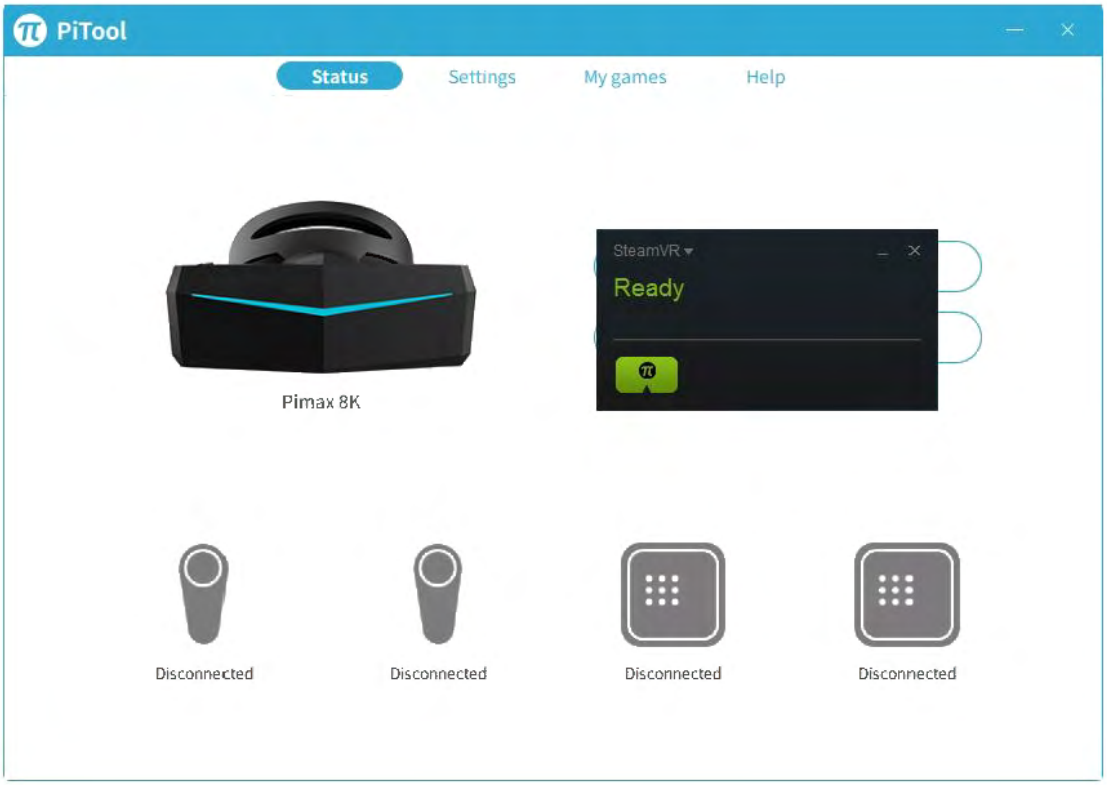

PiTool
Status
Settings
My games
Help
Room Setup
Calibrate your space
Stand in the middle of your cleared space while holding the Headset so that it is facing the default direction you want to face in VR.
Then click the Calibrate Center button or Trigger, and remain still while calibration completes.
BACK
NEXT


PiTool
Status
Settings
My games
Help
Room Setup
Locate the floor
Place the Headset on a stable surface and click the Calibrate Floor button.Then measure the vertical distance between the surface and the floor and enter it below.
Enter your height. If you place your Headset floor, enter 0.
100
cm
CALIBRATE FLOOR
BACK
NEXT

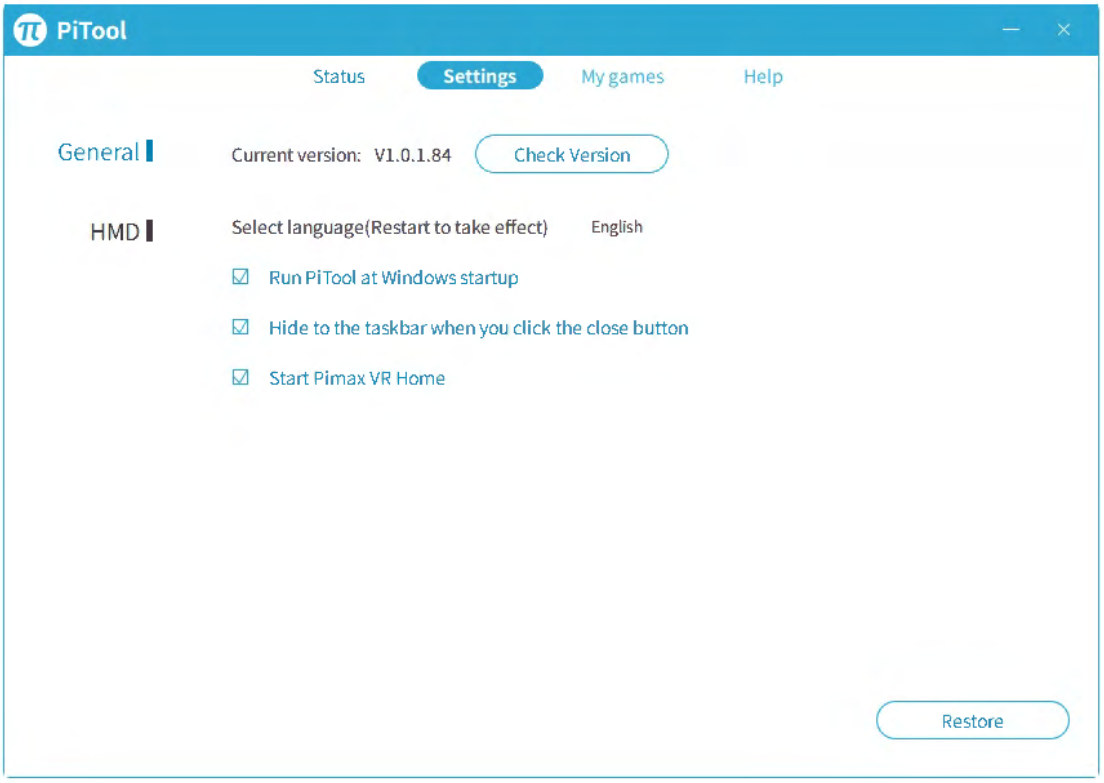

PiTool
Status
Settings
My games
Help
Room Setup
Locate the floor
Place the Headset on a stable surface and click the Calibrate Floor button.Then measure the vertical distance between the surface and the floor and enter it below.
Enter your height. If you place your Headset floor, enter 0.
100
cm
BACK
NEXT


PiTool
Status
Settings
My games
Help
Room Setup
Setup complete
You've successfully completed room setup and your configuration has been saved!
BACK
DONE

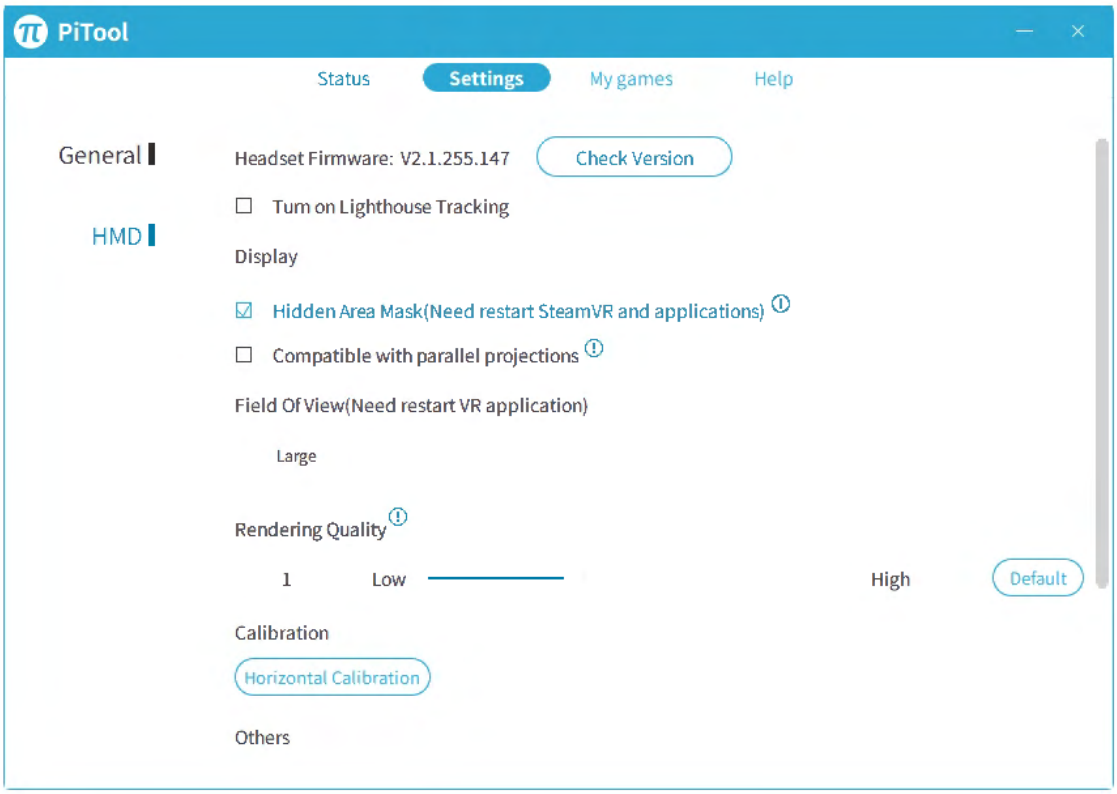
- click button and quickly start steamvr (need to install steamVR ahead of time)



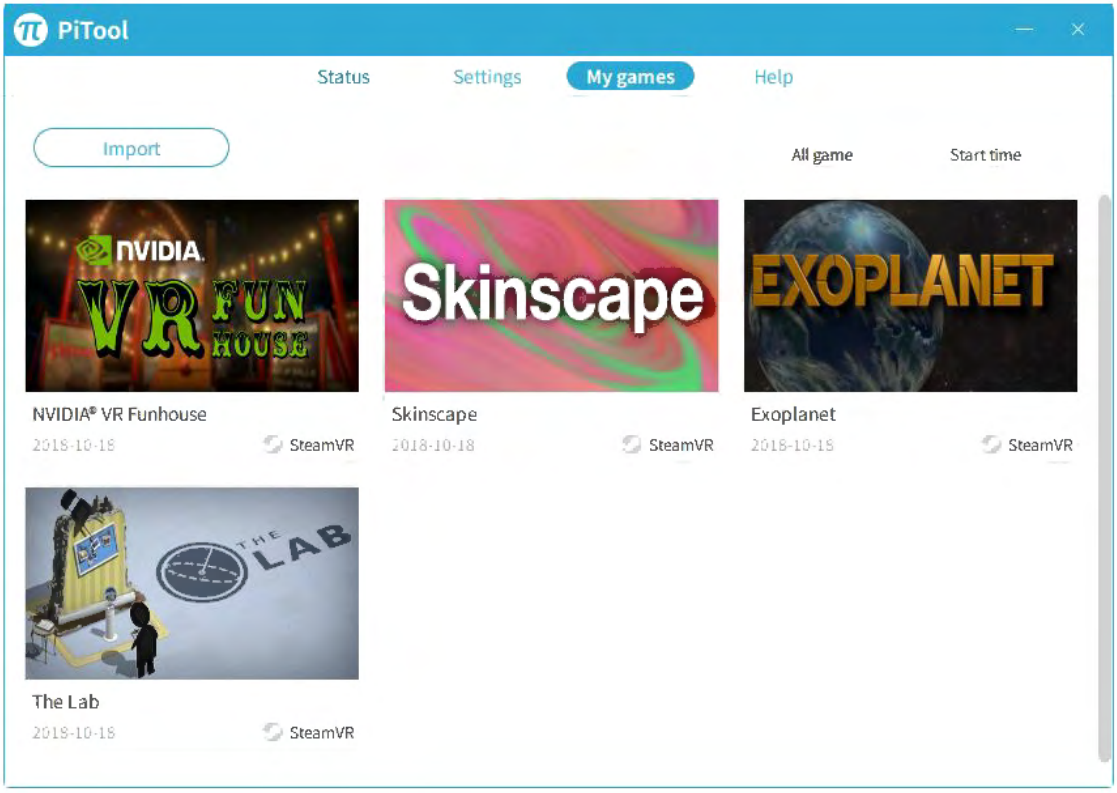
- the general interface can be set to see PiTool version number, language switch and settings to boot automatically.;



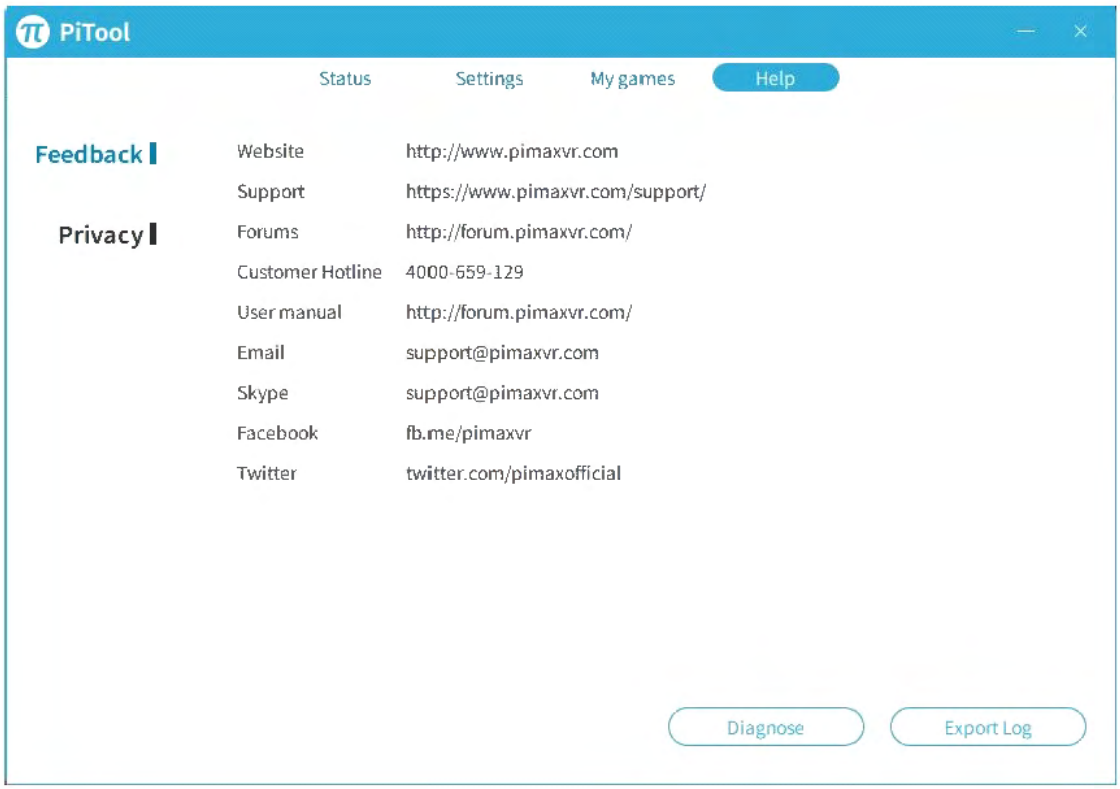
- the helmet interface can see the firmware version of the helmet (supporting update firmware), PiHome's room settings, and other functions.



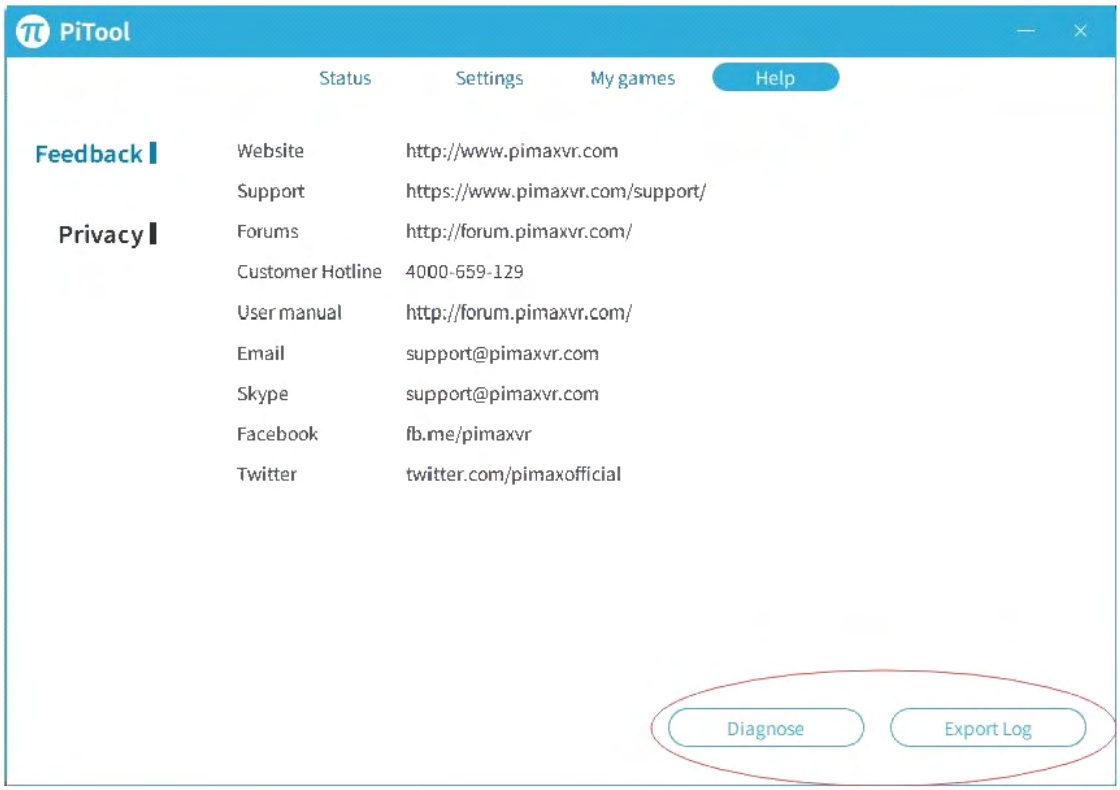
- My game interface supports local importing games and automatically importing downloaded games;



- help interface have related links to facilitate users to get service quickly.;

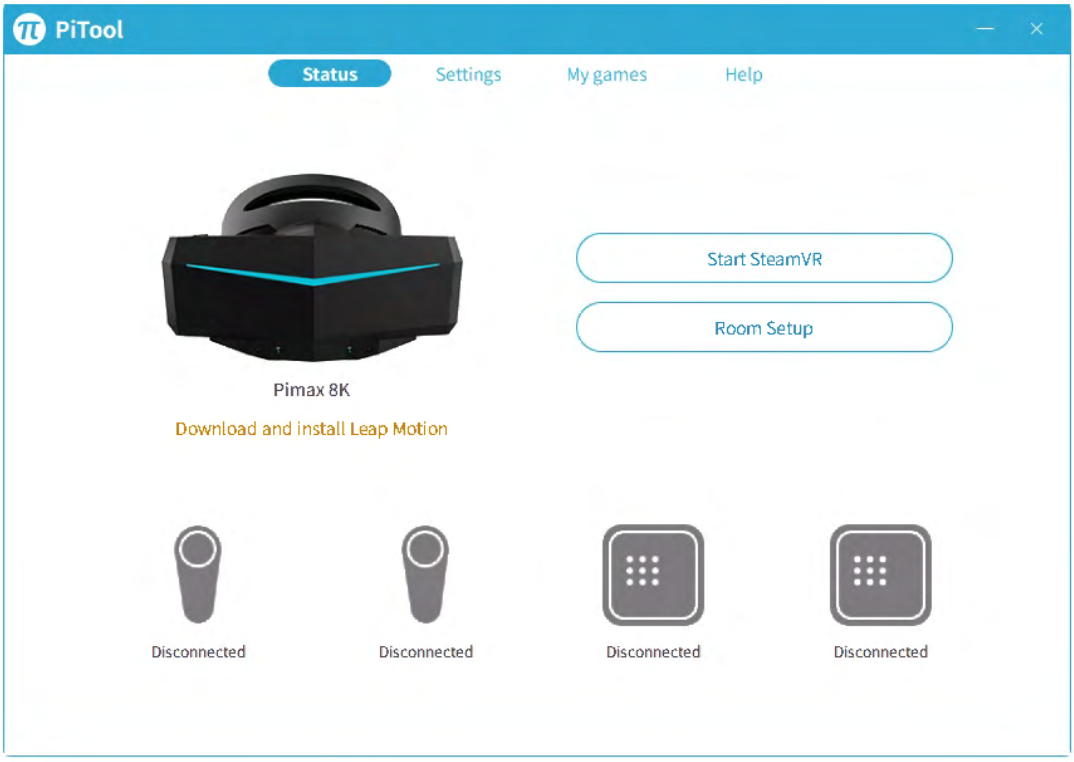


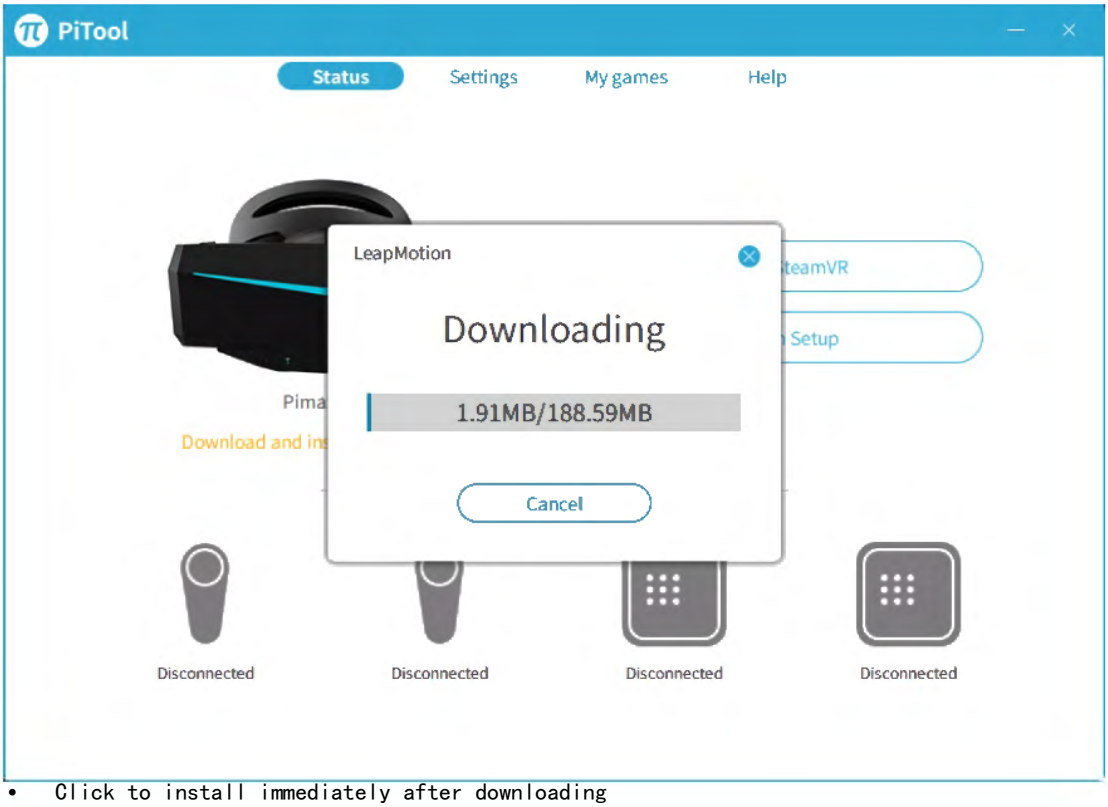
- environmental diagnosis is used to test computer environment; export logs facilitate quick positioning of technicians



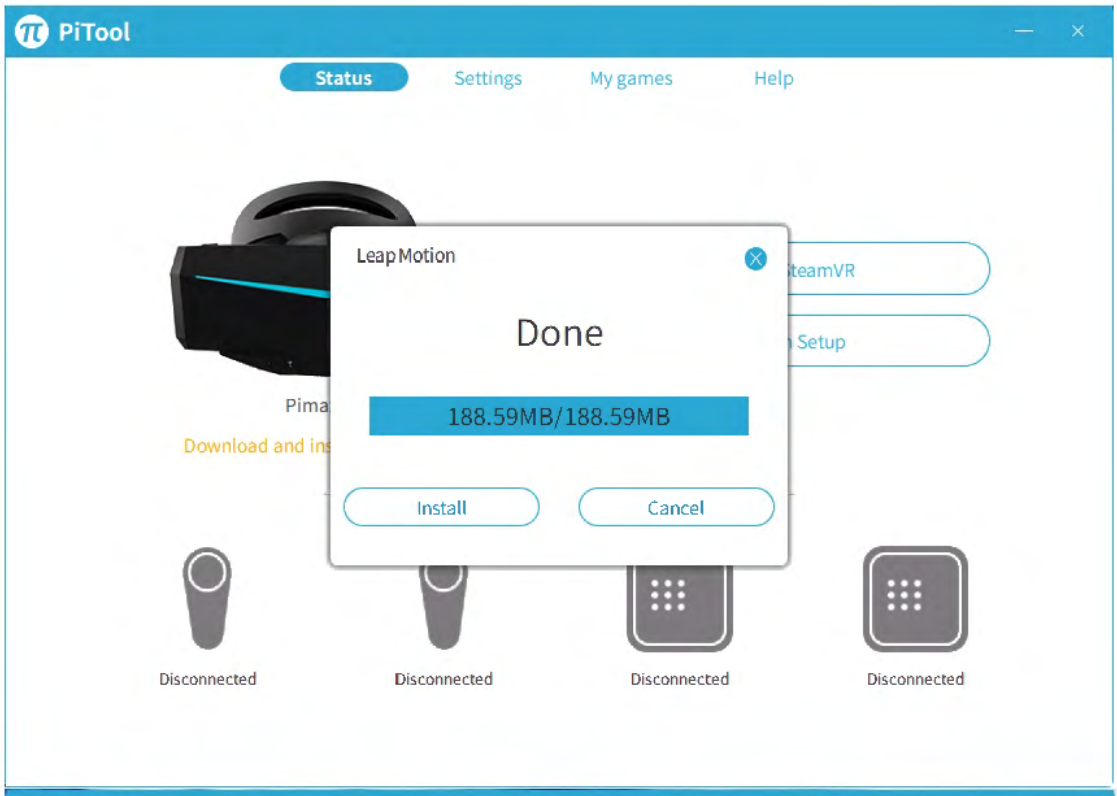
Leap Motion User Guide

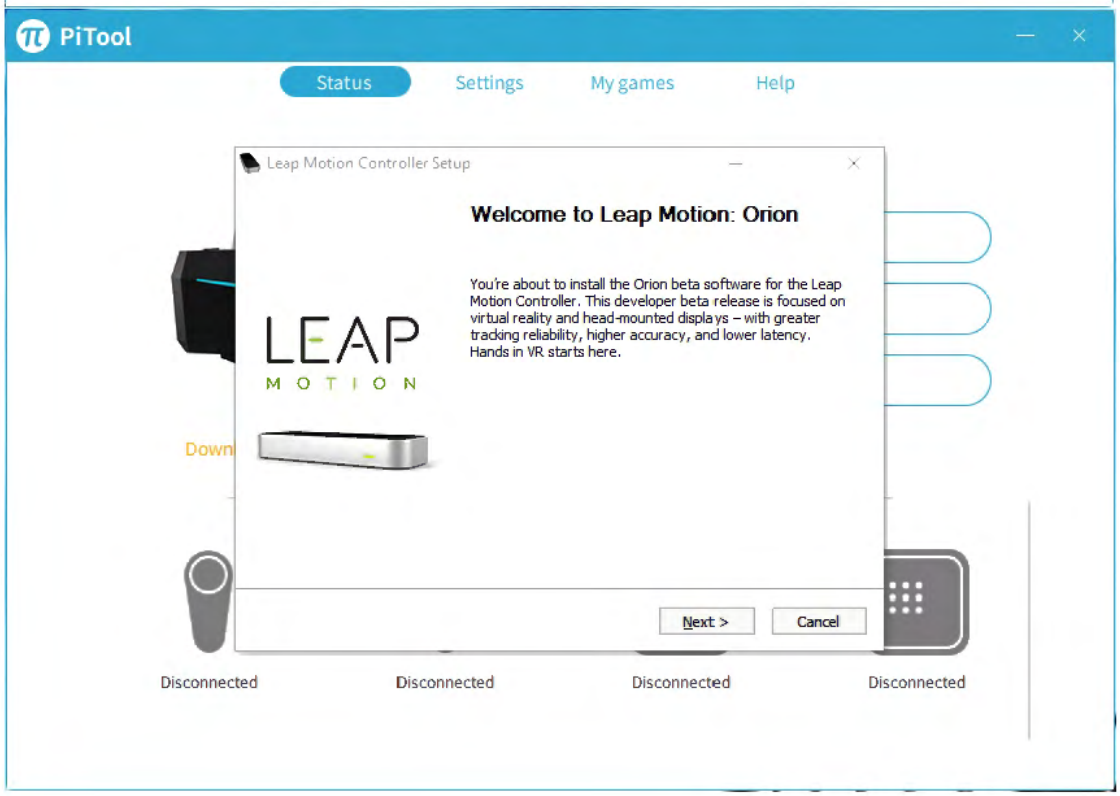
- when you plug in the module, you will prompt to download and install Leap Motion.

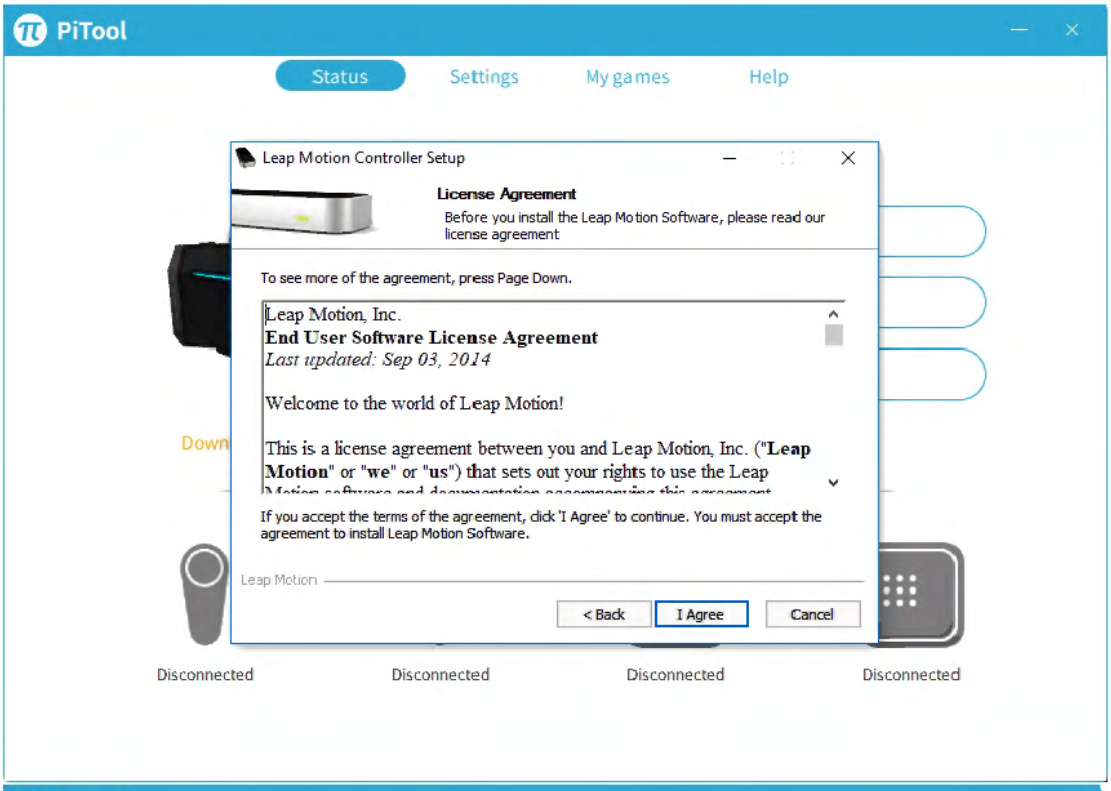


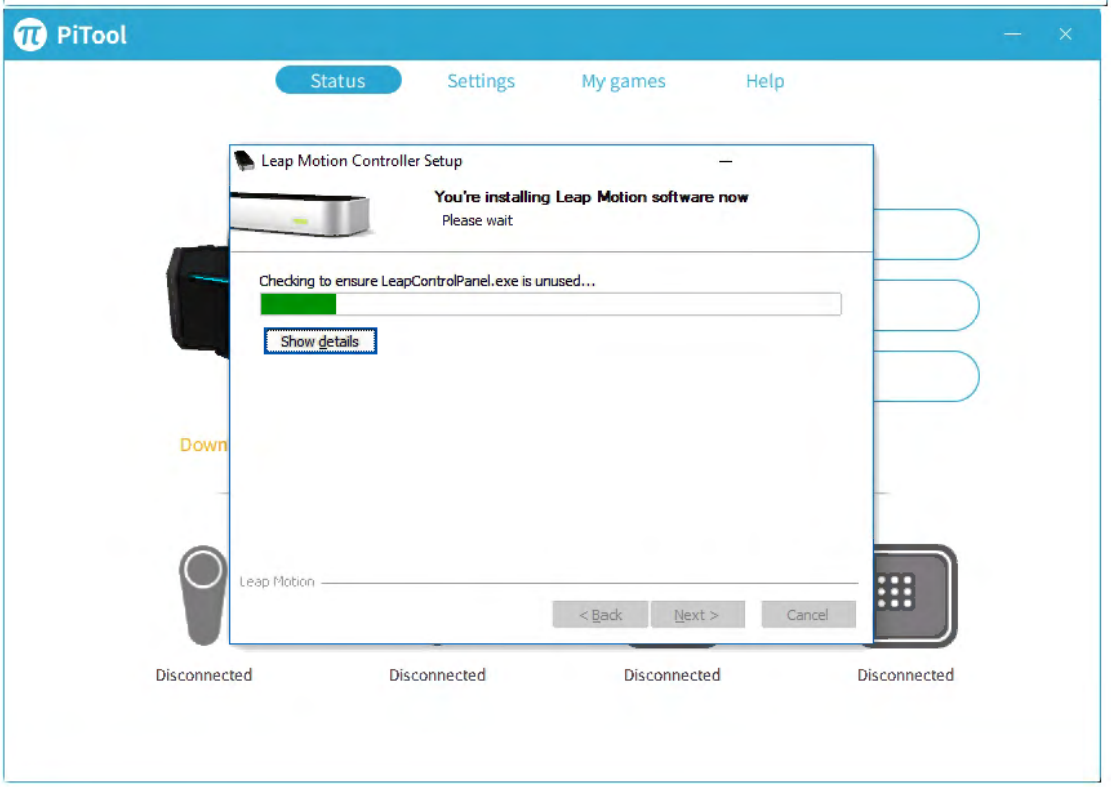


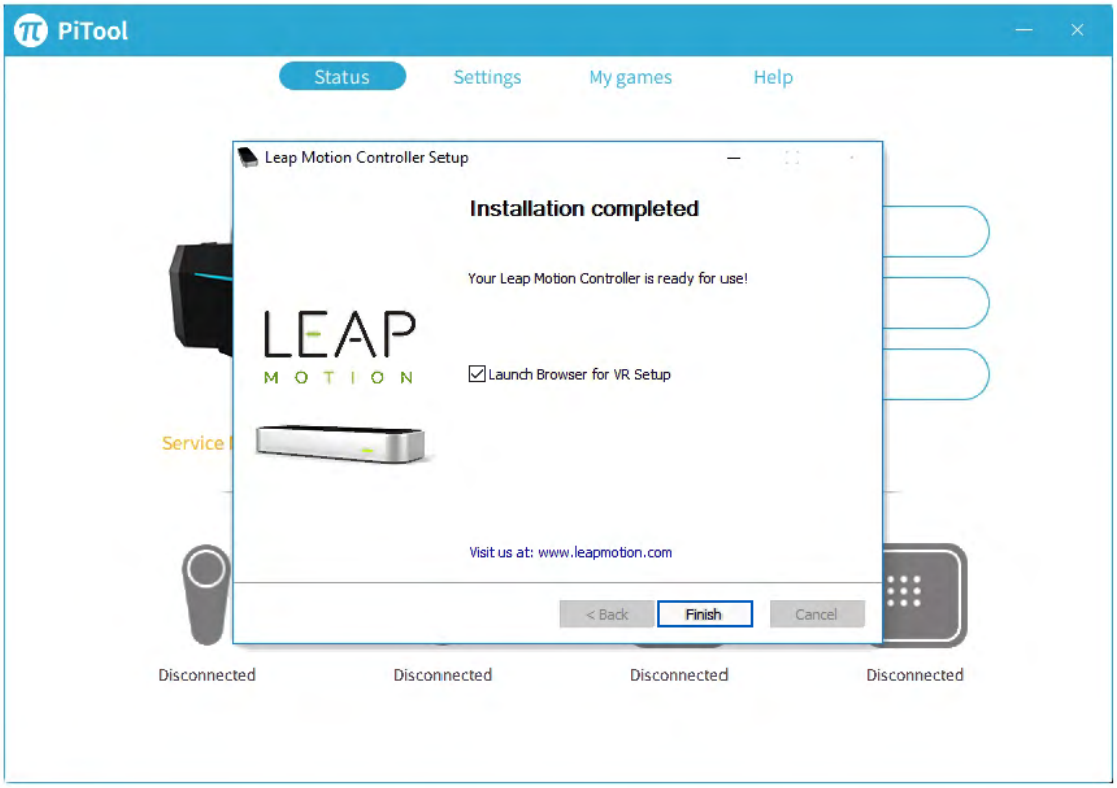
- Click to install immediately after downloading


PiTool
Status
Settings
My games
Help
Leap Motion
Done
188.59MB/188.59MB
Install
Cancel
Disconnected
Disconnected
Disconnected
Disconnected

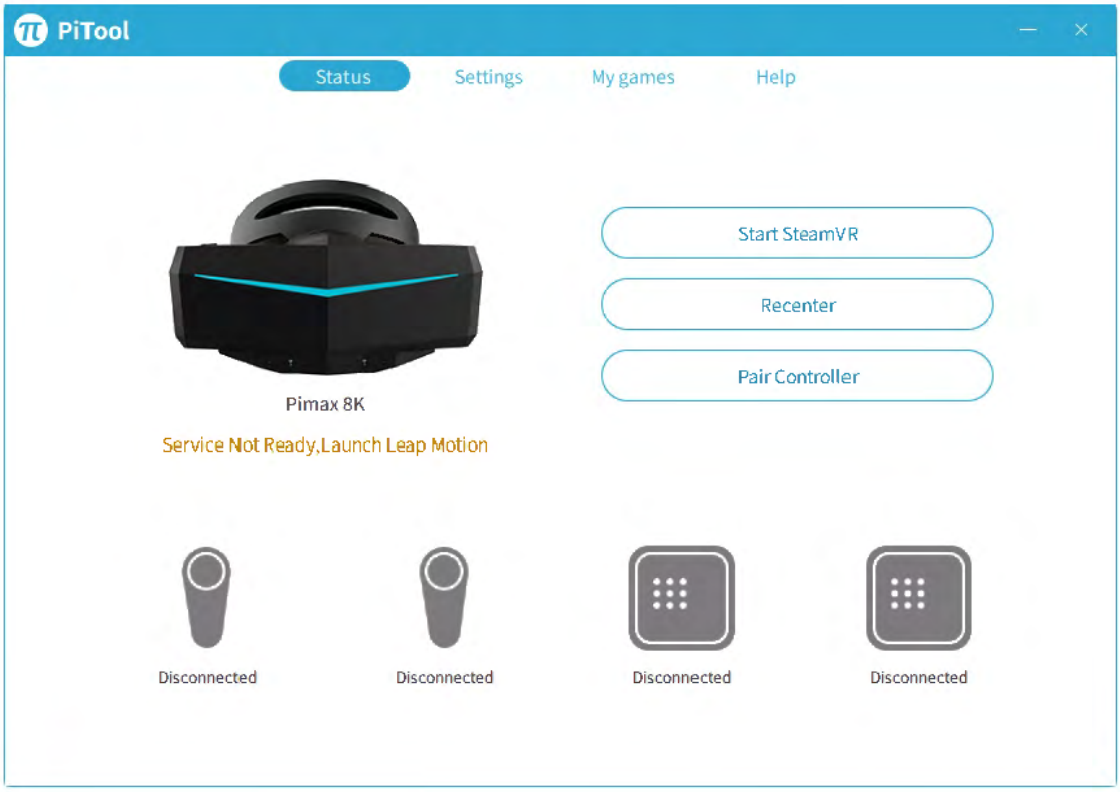

PiTool
Status
Settings
My games
Help
Leap Motion Controller Setup
Welcome to Leap Motion: Orion
You're about to install the Orion beta software for the Leap Motion Controller. This developer beta release is focused on virtual reality and head-mounted displays – with greater tracking reliability, higher accuracy, and lower latency. Hands in VR starts here.
LEAP MOTION
Next >
Cancel
Disconnected
Disconnected
Disconnected
Disconnected


PiTool
Status
Settings
My games
Help
Leap Motion Controller Setup
License Agreement
Before you install the Leap Motion Software, please read our license agreement
To see more of the agreement, press Page Down.
Leap Motion, Inc.
End User Software License Agreement
Last updated: Sep 03, 2014
Welcome to the world of Leap Motion!
This is a license agreement between you and Leap Motion, Inc. ("Leap Motion" or "we" or "us") that sets out your rights to use the Leap
If you accept the terms of the agreement, click 'I Agree' to continue. You must accept the agreement to install Leap Motion Software.
Leap Motion
< Back
I Agree
Cancel
Down
Disconnected
Disconnected
Disconnected
Disconnected

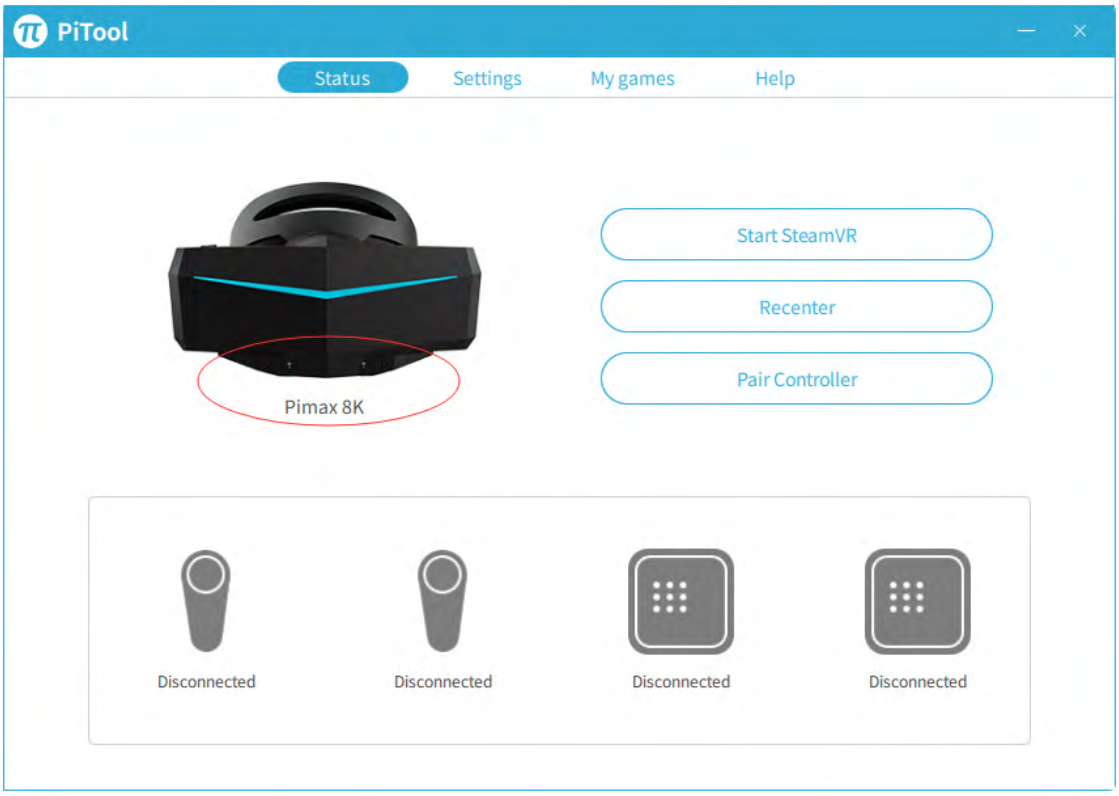

PiTool
Status
Settings
My games
Help
Leap Motion Controller Setup
You're installing Leap Motion software now
Please wait
Checking to ensure LeapControlPanel.exe is unused...
Show details
Leap Motion
< Back
Next >
Cancel
Down
Disconnected
Disconnected
Disconnected
Disconnected



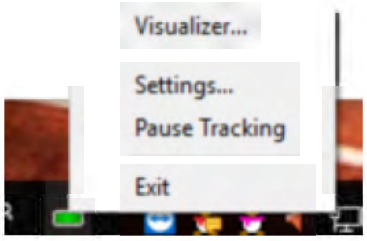
- Please click to run **Leap Motion** service, and the service will be launched.

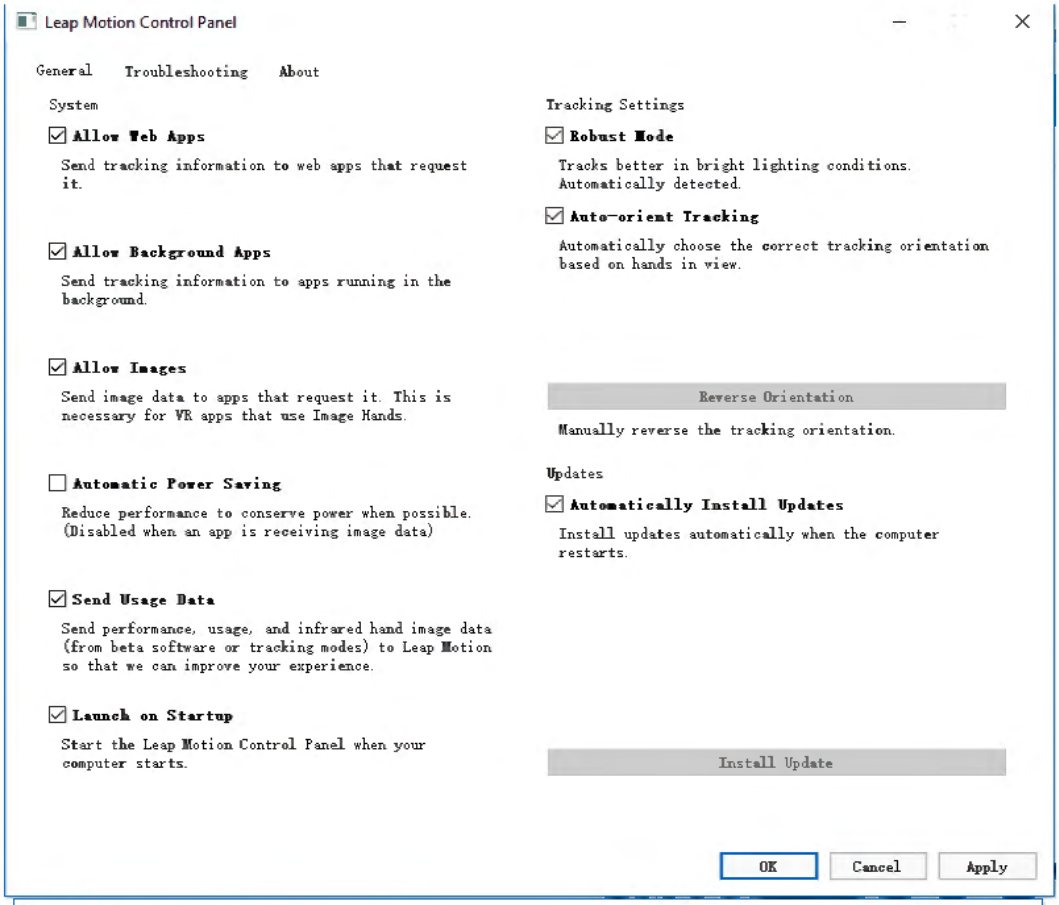


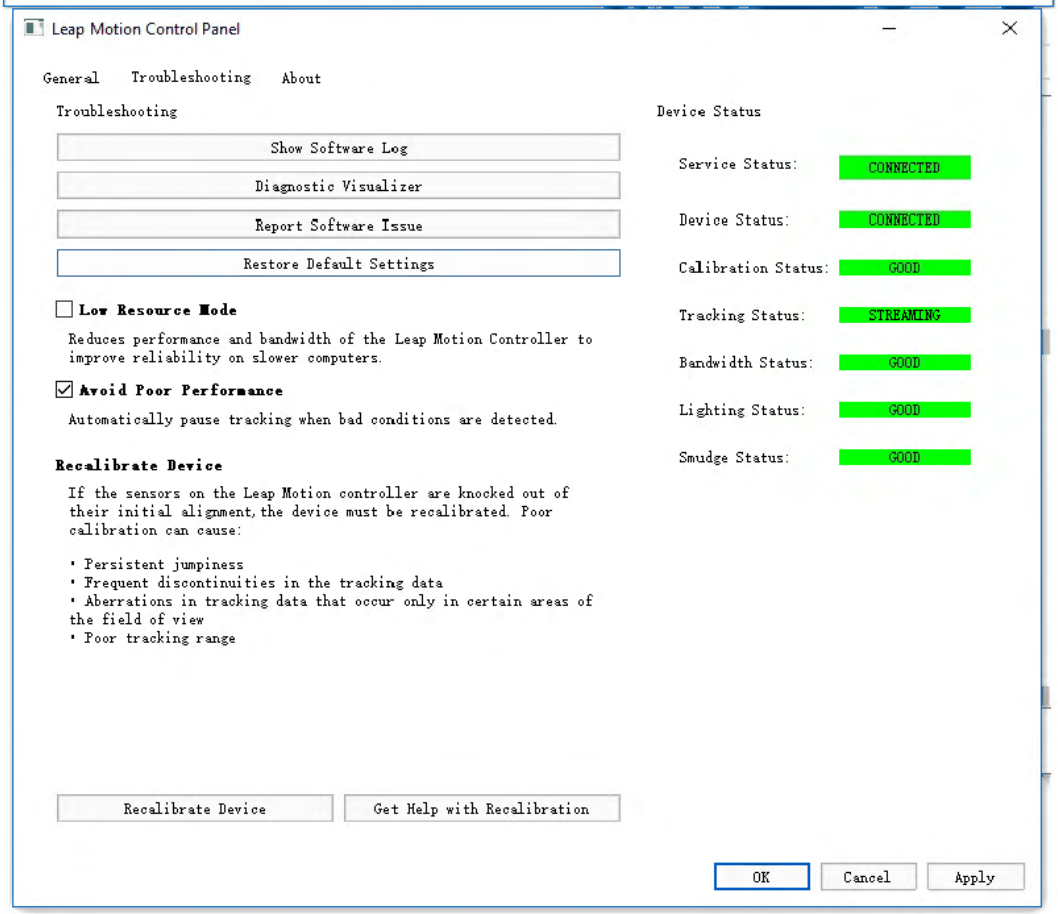
- after successfully starting the service, you can see the Leap Motion module in the device diagram.



5 Click on the Leap Motion icon of the taskbar at the lower right corner of the computer desktop to view the device.




Leap Motion Control Panel
General
Troubleshooting
About
System
Allow Web Apps
Send tracking information to web apps that request it.
Allow Background Apps
Send tracking information to apps running in the background.
Allow Images
Send image data to apps that request it. This is necessary for VR apps that use Image Hands.
Automatic Power Saving
Reduce performance to conserve power when possible. (Disabled when an app is receiving image data)
Send Usage Data
Send performance, usage, and infrared hand image data (from beta software or tracking modes) to Leap Motion so that we can improve your experience.
Launch on Startup
Start the Leap Motion Control Panel when your computer starts.
Tracking Settings
Robust Mode
Tracks better in bright lighting conditions. Automatically detected.
Auto-orient Tracking
Automatically choose the correct tracking orientation based on hands in view.
Reverse Orientation
Manually reverse the tracking orientation.
Updates
Automatically Install Updates
Install updates automatically when the computer restarts.
Install Update
OK
Cancel
Apply


Leap Motion Control Panel
General
Troubleshooting
About
Troubleshooting
Show Software Log
Diagnostic Visualizer
Report Software Issue
Restore Default Settings
Low Resource Mode
Reduces performance and bandwidth of the Leap Motion Controller to improve reliability on slower computers.
Avoid Poor Performance
Automatically pause tracking when bad conditions are detected.
Recalibrate Device
If the sensors on the Leap Motion controller are knocked out of their initial alignment, the device must be recalibrated. Poor calibration can cause:
• Persistent jumpiness
• Frequent discontinuities in the tracking data
• Aberrations in tracking data that occur only in certain areas of the field of view
• Poor tracking range
Recalibrate Device
Get Help with Recalibration
Device Status
Service Status: CONNECTED
Device Status: CONNECTED
Calibration Status: GOOD
Tracking Status: STREAMING
Bandwidth Status: GOOD
Lighting Status: GOOD
Smudge Status: GOOD
OK
Cancel
Apply