WeChat Official Account

@Ximmerse

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For developers, please visit the following website to download the latest official SDK:
http://developer.ximmerse.com

Quick Start Guide

Specifications

01

Operating System	Android 10	**Camera Sensors**	13MP RGB × 1 1MP VIO × 2 1MP IR × 1
Processor	Snapdragon XR2	**Field of View**	Horizontal FOV 70° Vertical VOF 57°
Memory	8G RAM 128G/256G ROM Supports memory card expansion (up to 128GB)	**Audio**	Dual channel microphone Dual speaker system Type-C port
Display	2.89” dual LCD 4K Resolution (2160*4320) Refresh Rate ≥ 60Hz	**Battery**	Lithium Polymer Battery 3.8V/3680mAh
Conectivity	Wi-Fi 2.4G / 5G Bluetooth 5.1	**Ports**	USB Type-C Micro USB
Tracing System	6-DoF Headset Tracking 6-DoF Controller Tracking	**Proximity Sensor**	Wearable proximity sensor

What’ s in the box

02

AR Headset

Headset with optional top strap

Controller and Battery

The position and rotation of the controller can both be tracked. Use the controller to interact with the operating system and other applications

AR Lens

The lens can be attached magnetically onto the AR headset before use.

Tracking Beacons

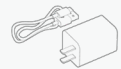
Use the beacons to calibrate and synchronize the position of the ground with virtual.

MR Beacon

Use the MR beacon to synchronize the position on mobile device.

Cleaning Cloth

Use the cleaning cloth to clean the surface of the display and lens. Do not use alcohol or otherliquids that contain strong acid and alkali to clean the product.

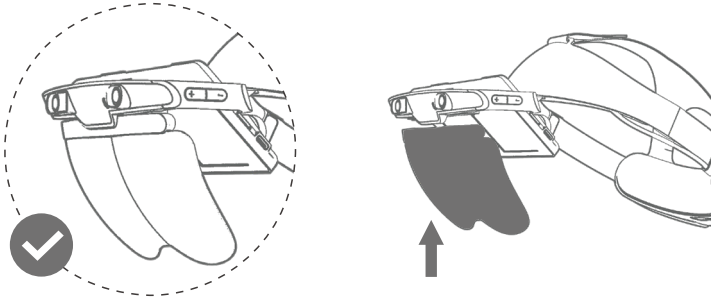


Charger and USB cable

User Manual and Warranty Card

Assembling the headset

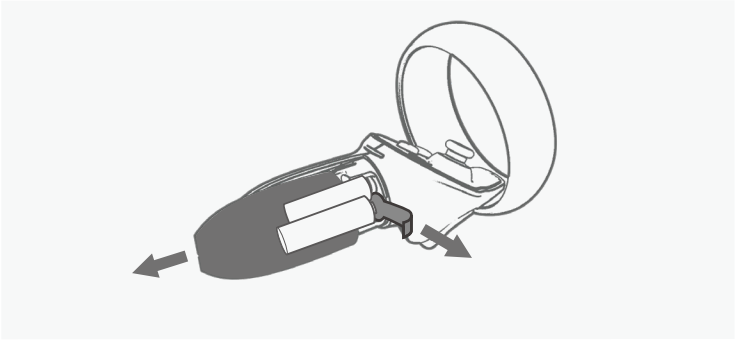
03



Attach the lens magnetically to the headset

Preparing controller

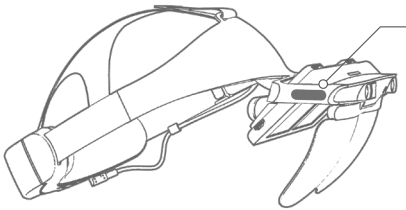
04

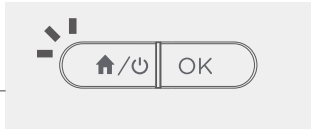


Remove the battery cover as shown before installing the batteries

Powering up the headset

05





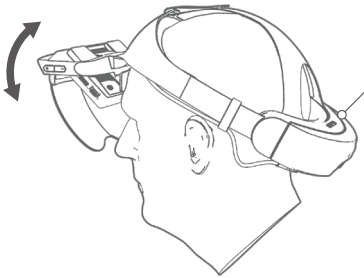
Long press the [⌂/⏻]
for 3 seconds to boot the headset

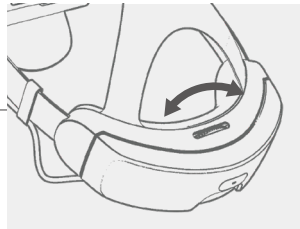
⚠ NOTE

If the headset dose not boot, please charge the headset to ensure there is sufficient battery in the headset. Once the headset has sufficient battery, the LED indicator on the back of the headset will light up in green.

Putting on the headset

06

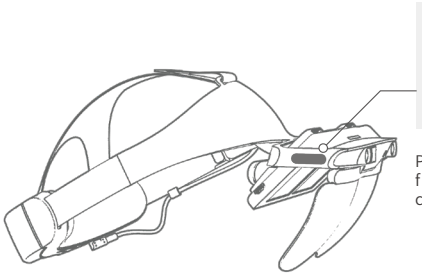




Loosen the back part of the headset by turning the adjustment dial. Next, place the headset on your head and adjust the top and bottom of the headset until you see animage that is clear and without any obvious artifacts.

Action confirmation

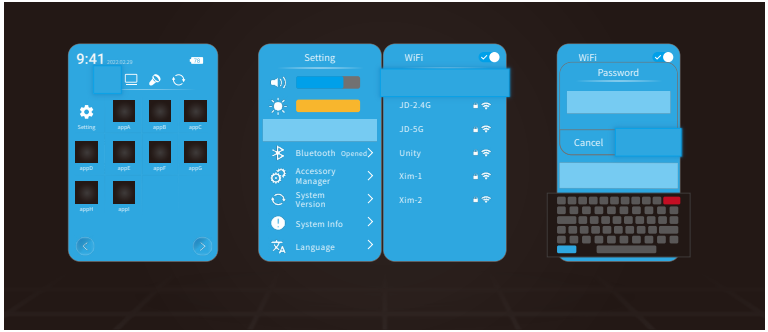
07



Press the OK button on the front-right side of the headset to confirm any selection

Connecting to Wi-Fi

08



Click the Wi-Fi icon in the action center on the home screen

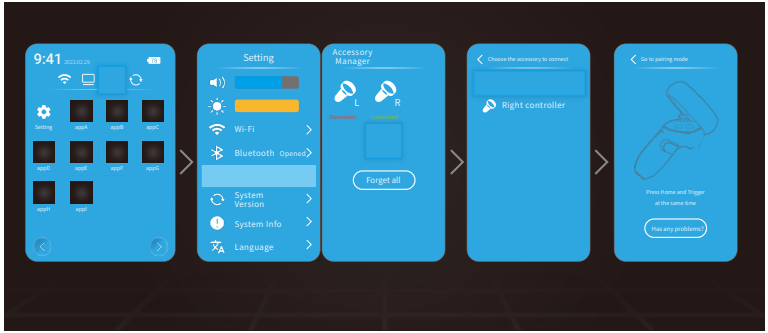
Select the Wi-Fi network that you wish to connect to

Key in password and click confirm

Pairing controller

09

Only when it' s the first time needs to go through this operation, after that, paired controller will connect the headset automatically.
Click "Has any problems" button if you have any problem while paring controller.



Click the controller icon in the action center on home screen

Select add new device

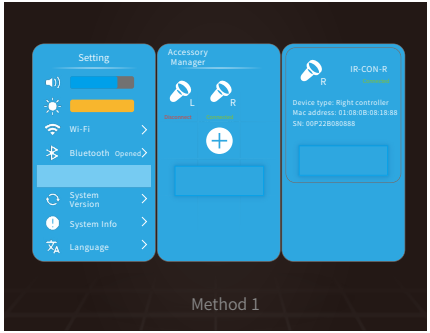
Select right controller

Press [Home]+[Trigger] to connect and pair your controller

Unpairing controller

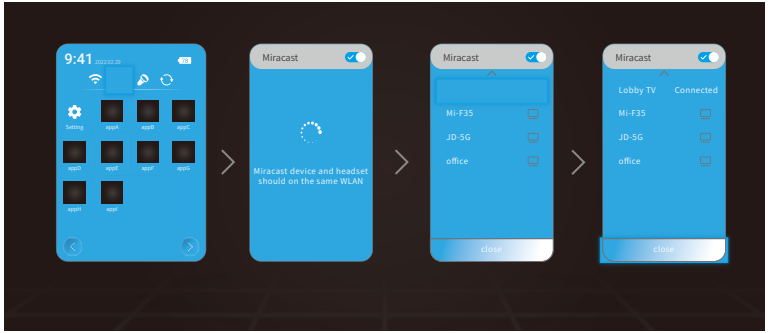
10

There are two methods of unpairing controller



Click the Add-on management,unpair controller according to the instructions

Press [Power]+[Trigger]+[A (X)]+[B (Y)] button at the same time for 4 seconds, paired status will be reset along with vibration , unpair successful.

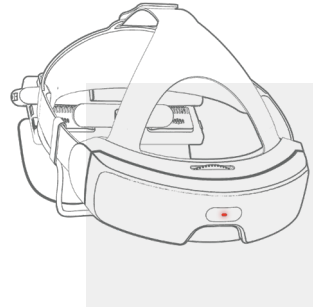


Click the Miracast icon in the action center on home screen

Miracast will search for devices that are on the same Wi-fi

When search is complete,click on the device you want to connect

When the device shows “connected”, you can close and quit the interface



LED indicator description when in use:

100%	60%	25%
Green	Yellow	Red

LED indicator description when in charging:

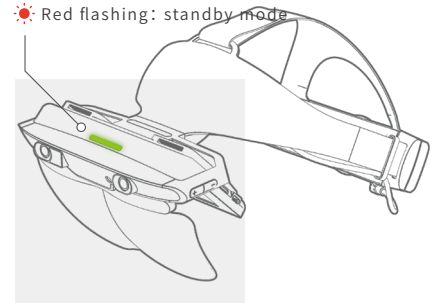
When charging: Breathing green

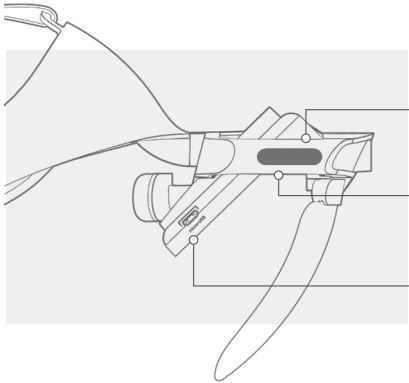
Fully charged: Consistent green

LED indicator status

Green breathing: idle mdoe

Red flashing: standby mode





OK button
Used to confirm selection

Home/Power button
Short press to return to the home screen,
Long press for 3s to power on/off headset

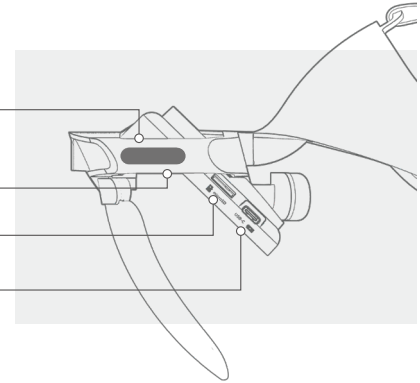
Micro USB Port
USB2.0 port is used to connect external device, it does not support charging

Volume down button

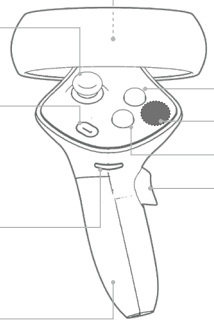
Volume up button

TFnenirt card slot

USB Type-C port
Supports charging and data transfer



⚠ NOTE Please use the provided charger and USB cable in the box to charge the devices. When the headset is powered off, charging the device to 80% will take only 1 hour. Charging the device to 100% will take approximately 150 minutes. The device contains charging protective hardware.



L Joystick

L Power/Menu
Long press3S: ON
Long press5S: OFF
Press: Recenter
(When in Home screen)

L LED indicator
Pairing：Blinking Blue
Paired：Green

L Battery cover
Controller uses
2 AAA batteries

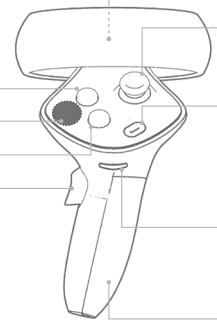
L Trigger
Confirm selection
(When in Home screen)

Y Button

L Touch button

X Button

L Grip button



R Trigger
Confirm selection
(When in Home screen)

B Button

R Touch button

A Button

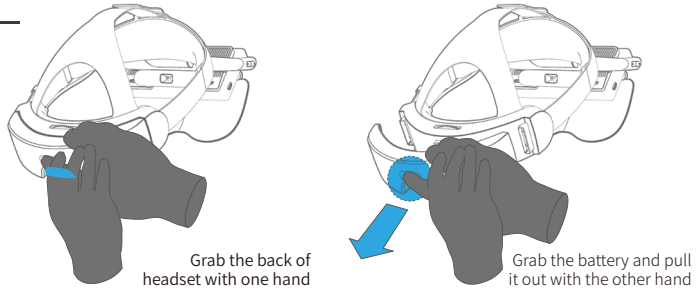
R Grip button

R Joystick

R Power/Menu
Long press3S: ON
Long press5S: OFF
Press: Recenter
(When in Home screen)

R LED indicator
Pairing：Blinking Blue
Paired：Green

R Battery cover
Controller uses
2 AAA batteries



NOTE

- To prevent accidental removal of the battery that will affect the experience either by stopping it or causing the device to work inconsistently, the connecting point between the headset and battery has been specially designed to ensure the battery is firmly attached at all times. It is recommended that staffs follow the correct instructions when removing the battery from the headset.
- If the battery is not used for a long time, it should be removed and stored in dry and cool environment with 50%~80% of the power capacity. The battery should be charged every 3 months to avoid permanent capacity loss due to self discharge in long storage time.
- High temperature and wet temperature will accelerate the self discharge of the battery. It is recommended to store the battery in a dry environment of 0 °C~20 °C.

01 Why doesn’ t the headset power on?

Please check and ensure that the battery is attached correctly and has sufficient charge.
A battery level of less than 15% is not sufficient to power on the headset.

02 Why is headset tracking inconsistent?

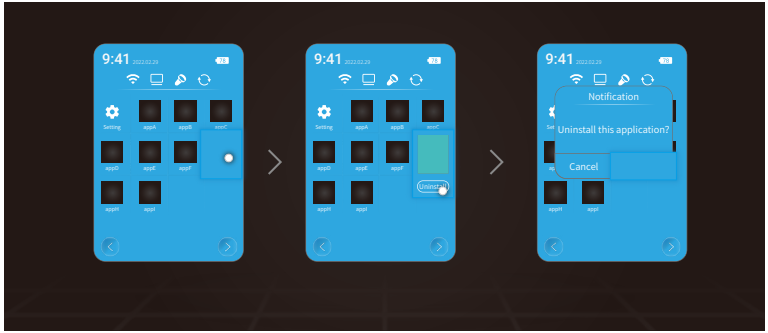
For headset tracking to work well, the environment you’ re in needs to be rich in texture. White walls,glass, and mirrors as well as extremely dark environments will affect the normal tracking performance of the headset.

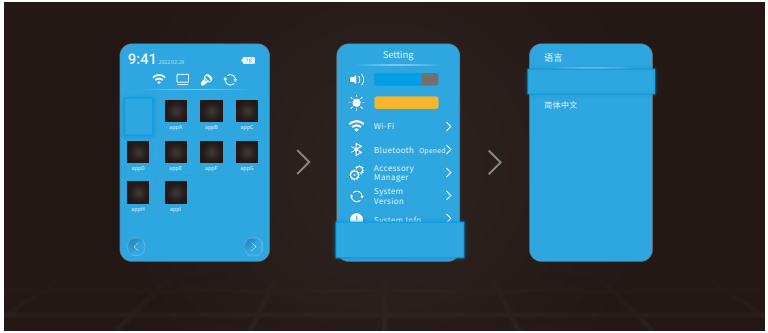
03 Why doesn’ t the controller power on?

Please check and ensure that batteries are attached correctly and have sufficient charge.
Then, long press the home button for 3 seconds to power up controllers.
Long press the home button for 5 seconds to power off controller.

04 Why doesn’ t the controller connect to the headset?

Please refer to the “connecting the controllers” section of the User Guide to connect the controller to the headset. Before pairing the controllers, ensure that both the headset and controller have sufficient battery.





Uninstalling an application

Use the controller to point to the application you want to uninstall, then long press the trigger (in controller mode) or OK button (headsetmode) > click the uninstall button > confirm uninstall.

Installing an application

Applications can currently only be installed using the ADB function or via the Vysor application.

Changing language

Look for the “setting” application > click language > select your desired language

SDK for developers

Please visit https://developer.ximmerse.com to obtain the latest documentation on our SDK and other related documents.

FCC Warning

This device complies with part 15 of the FCC Rules. Operations isubject 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 maycause undesired operation.

Note 1: 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 Rule.s 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 intsructions, 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 form that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

Note 2: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 10mm between the radiator and your body.

PRO