XR Head-Mounted Display
SRH-S1

★★★★

Use this manual when you have issues with using the XR Head-Mounted Display or find yourself unfamiliar with it.
This manual describes how to use the XR Headset, the controllers, the Charging dock, and the “XR Headset Connect” app (for computers).
The screenshots of the XR Headset and the “XR Headset Connect” app as well as the illustrations used in this manual are provided for better understanding. The screenshots may appear different from what you actually see.
Design and specifications are subject to change without prior notice for product improvement.

Recommended topic in the Help Guide

What you can do with the XR Headset

Some of the use cases of the XR Headset are listed. Also listed are links to the corresponding topic pages.

Getting started

Parts and controls

- XR Headset
- Controllers
- Charging dock

Included items

- Checking the package contents
- Interchanging the Light shields (supplied)
- Attaching the cable clamp (supplied)
- Removing the Crown band (supplied)
- Placing the XR Head-Mounted Display in the case (supplied)

Power source/charging

- Charging the XR Headset/connecting the XR Headset with a computer
- Charging the controllers
- Turning on/off the XR Headset

Wearing the XR Headset

Installing the “XR Headset Connect” app

Making the initial settings

Network settings

- Establishing a connection to a Wi-Fi network, such as an office network
- Changing the port number

Pairing the XR Headset with your computer

What you can do with the XR Headset

Getting to know about the Dock on the HOME screen

XR Headset settings

Quick settings panel

[Setting]

- [System]
- [Wi-Fi]
- [Bluetooth® earphone]
- [PC connection setting]
- [Work area]
- [Accessibility]
- [Notifications]
- [Eye tracking]
- [User preference]
- [See through view]
- [Controller]
- [Help]

How to use

Operations of the XR Headset and the controllers

- Operations of the XR Headset
- Operations with the Ring controller
- Operations with the Pointing controller

Using the “Immersive Designer” app

Getting to know the “XR Headset Connect” app

“XR Headset Connect” app settings

[XR Headset list]

[XR Headset detail]

[PC connected setting]

[This app setting]

[Help]

Information

Precautions for use

Maintenance

Updating the Charging dock

Trademarks

Specifications

Troubleshooting

Power/power charging

Wearing the XR Headset

XR Headset monitor

Pairing/connection between the XR Headset and the controllers

Pairing/connection between the XR Headset and the computer

Internet connection

The XR Headset fails to operate properly

The controllers fail to operate properly

Updating

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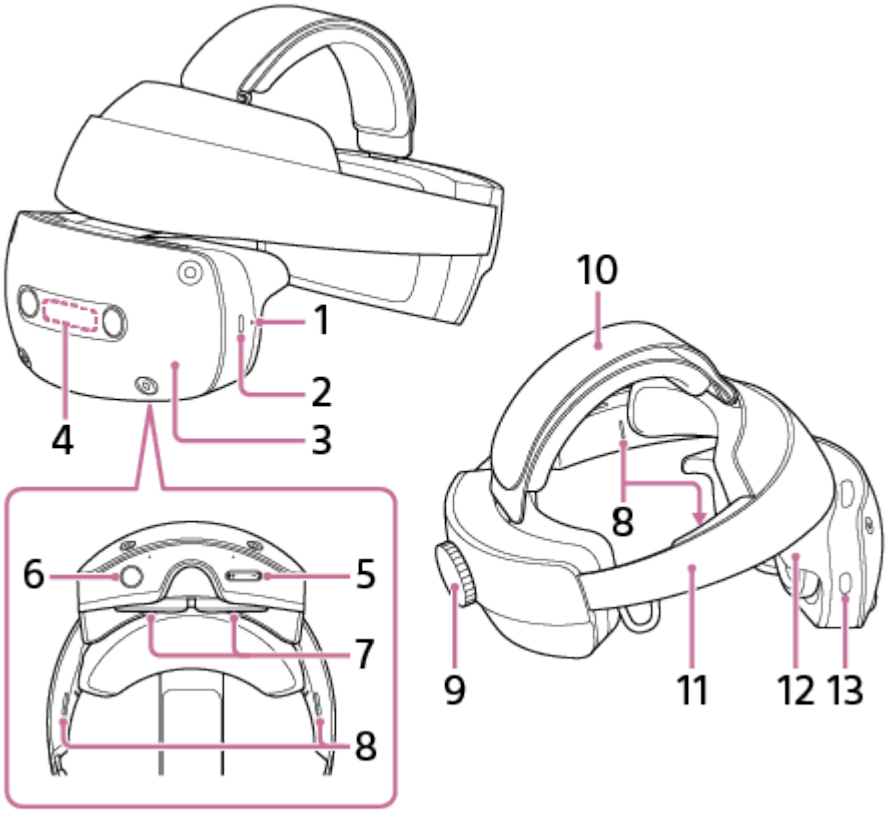
XR Headset



1. Charging LED
2. USB port
3. Display unit
4. Status LED
5. Volume +/– buttons
6. Eye relief adjustment button
7. Lenses
8. Speakers
9. Headband adjustment dial
10. Crown band
    At the time of purchase, the Crown band is attached to the XR Headset.
11. Headband
12. Light shield
    At the time of purchase, the Light shield (Small) is attached to the XR Headset.
13. Power button

Related Topic

- Removing the Crown band (supplied)
- Interchanging the Light shields (supplied)
- Operations of the XR Headset

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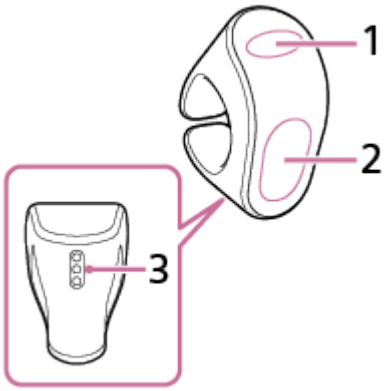
Controllers

Ring controller

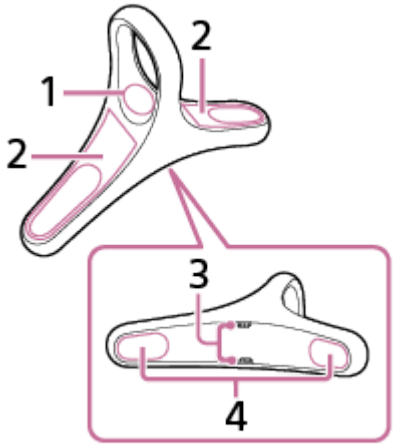
To use the Ring controller, wear it on a finger of your non-dominant hand.



1. MENU button
2. Slide pad/GRAB button
3. Charging terminals

Pointing controller

To use the Pointing controller, wear it on a finger of your dominant hand.



1. HOME button
2. Slide pads
3. Charging terminals
4. GRAB buttons

Hint

- The Pointing controller has 2 sets of the Slide pad and the GRAB button, so you can wear the controller by inserting your finger through the loop from either side. You can do the same operations by using either pair of the Slide pad and the GRAB button.

Related Topic

- Operations with the Ring controller
- Operations with the Pointing controller

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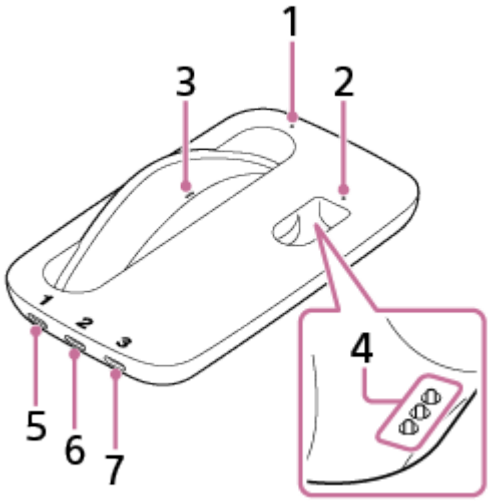
Charging dock



1. Charging LED (for the Pointing controller)
2. Charging LED (for the Ring controller)
3. Charging pins (for the Pointing controller)
4. Charging pins (for the Ring controller)
5. Terminal No. 1
   Connect with a power source using the Cable No. 1 (supplied).
6. Terminal No. 2
   Connect with your computer using the Cable No. 2 (supplied).
7. Terminal No. 3
   Connect with the XR Headset using the Cable No. 3 (supplied).

Related Topic

- Charging the XR Headset/connecting the XR Headset with a computer
- Charging the controllers

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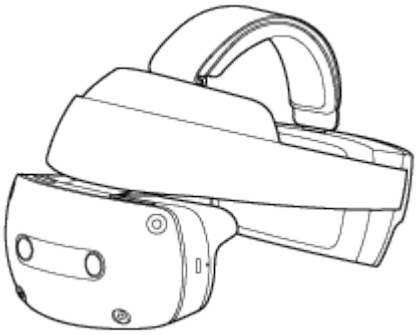
Checking the package contents

The numbers in the parentheses indicate quantities.

- XR Headset (SRH-S1) (1)



- Ring controller (SRH-SA1) (1)

- Pointing controller (SRH-SA2) (1)

- Charging dock (SRH-SA3) (1)

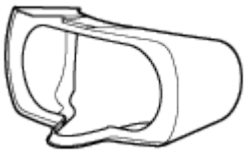
- Cable No. 1 (USB-C - USB-C) (2 m) (1)

- Cable No. 2 (USB-C - USB-A) (2 m) (1)

- Cable No. 3 (USB-C - USB-C) (5 m) (1)

- Light shield (Large/Small 1 each)
  At the time of purchase, the Light shield (Small) is attached to the XR Headset.
  For the instructions on how to interchange the Light shields, see “Interchanging the Light shields (supplied).”

  - Large



  - Small

- Cable clamp (1)
  The cable clamp is provided for securing the Cable No. 3 to the XR Headset.
  For the instructions on how to attach the cable clamp, see “Attaching the cable clamp (supplied).”

- Crown band (1)
  At the time of purchase, the Crown band is attached to the XR Headset.
  To remove the Crown band from the XR Headset, for example, when you want to keep your hair in style, see “Removing the Crown band (supplied)” for the instructions.

- Case (1)
  At the time of purchase, the XR Head-Mounted Display (excluding the documents listed below) is contained in the case.

For the instructions on how to place the XR Head-Mounted Display to the case, see “Placing the XR Head-Mounted Display in the case (supplied).”

Hint

- The cables (Cable No. 1, Cable No. 2, and Cable No. 3) are in the cable pouch that is contained in the case.

- Documents (1 set)

About the USB AC adaptor

No USB AC adaptor is included in this product package.
Use a commercially available USB AC adaptor that provides 9 V/3 A output and complies with the USB PD-PPS standard.

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Interchanging the Light shields (supplied)

By attaching one of the Light shields to the XR Headset, you can reduce light penetration and enhance the immersive feeling.
The XR Head-Mounted Display comes with 2 Light shields (Large and Small). At the time of purchase, the Light shield (Small) is attached to the XR Headset.

Note

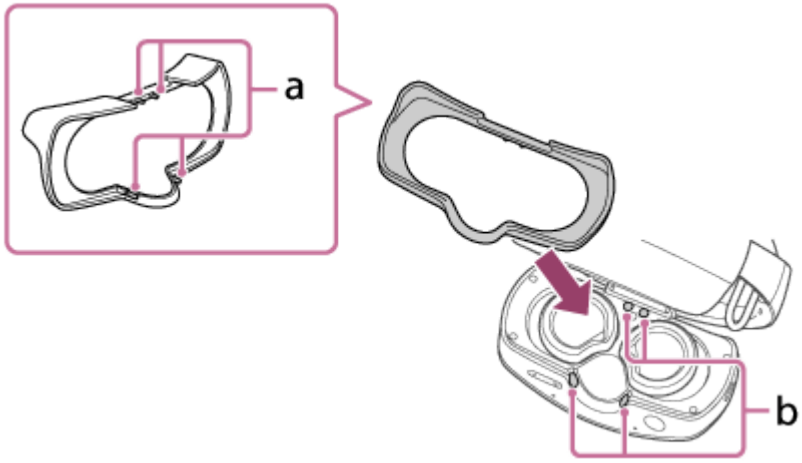
- While interchanging the Light shields, keep your hands away from the lenses of the XR Headset.
- Depending on the eye glasses you are wearing, it may not be possible for you to wear the XR Headset that has the Light shield attached.
- If you still feel uneasy with light penetration after the Light shield is attached, dim the room lights or move to a location where less light is allowed to come in.

To remove the Light shield

Grasp the Headband with one hand and pull off the Light shield with the other hand.

To attach the Light shield

1. **Bring the Light shield closer to the Display unit while aligning the 4 projections (a) on the Light shield with the 4 holes (b) on the Display unit.**



When the Light shield comes in close proximity to the Display unit, the embedded magnets draw and secure them together.

2. **Make sure that the Light shield is secured correctly in place.**

If the projections on the Light shield are not in proper alignment with the holes on the Display unit, there may be a gap created between the Light shield and the Display unit.
Make sure that no gap is present between the Light shield and the Display unit.

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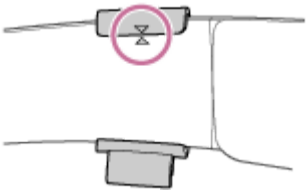
Attaching the cable clamp (supplied)

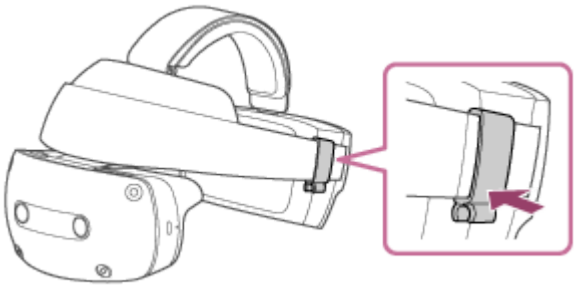
By attaching the cable clamp to the Headband, you can secure the Cable No. 3 (supplied) onto the XR Headset.

1. **Hook the cable clamp over the Headband.**

   Align the upside-down triangle marking (▽) on the cable clamp with the regular triangle marking (△) on the inside surface of the Headband.

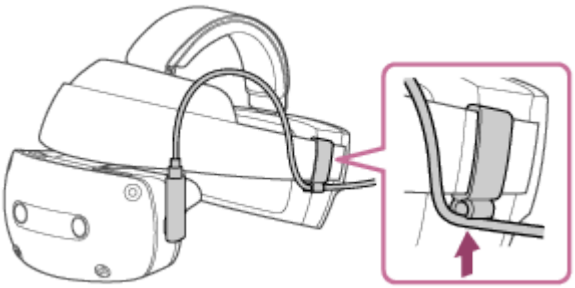


2. **Push the bottom of the outside surface of the cable clamp to secure the clamp to the Headband.**



3. **Attach the Cable No. 3 to the cable clamp by pushing the cable up from underneath the clamp.**

   Before securing the Cable No. 3 with the cable clamp, be sure to make the cable slack as illustrated below.



With the cable tightly clamped, moving the Display unit or Headband of the XR Headset may disengage the Cable No. 3 from the cable clamp.

Note

- Improper attachment or removal of the cable clamp causes a possible malfunction of the XR Headset.

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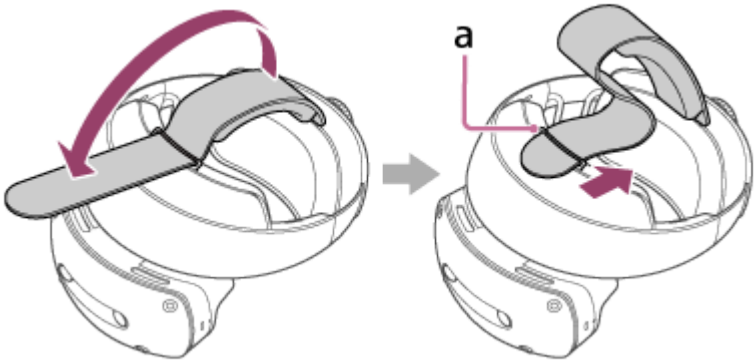
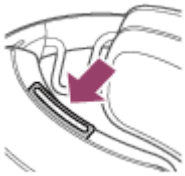
Removing the Crown band (supplied)

At the time of purchase, the Crown band is attached to the XR Headset so that you can adjust the fit of the XR Headset to ensure your comfort during long working hours.
To remove the Crown band from the XR Headset, for example, when you want to keep your hair in style, follow these steps.

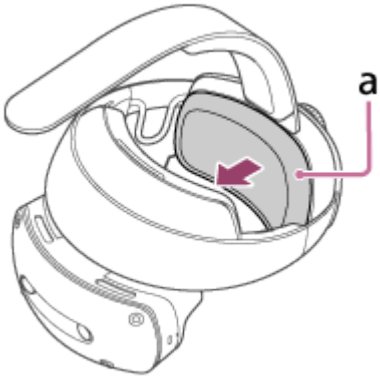
1. **Peel apart the hook and loop fastener of the Crown band, and then pull out the band end through the Crown band loop (a).**



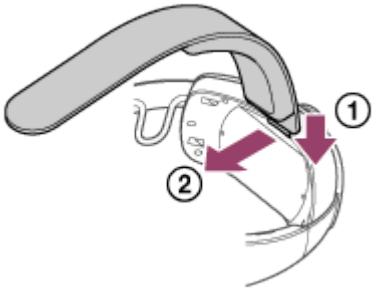
2. **Retract the Crown band loop.**



3. **Remove the Rear head cushion (a) by pulling it toward the forehead section of the XR Headset.**

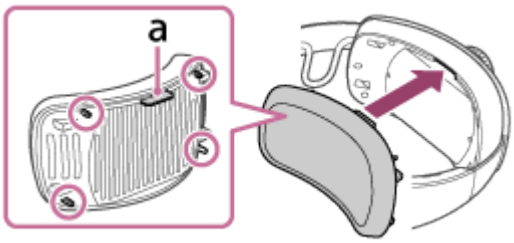


4. **Push down the Crown band to disengage its metal end (①), and then remove the Crown band from the XR Headset by pulling the band toward the forehead section (②).**



5 **Attach the Rear head cushion back to the XR Headset.**

Align the 4 projections on the Rear head cushion with the holes on the XR Headset as well as the tab (a) on the Rear head cushion with the slit on the XR Headset, and then push the Rear head cushion back into place.



When the Rear head cushion comes in close proximity to the XR Headset, the embedded magnets draw and secure them together.

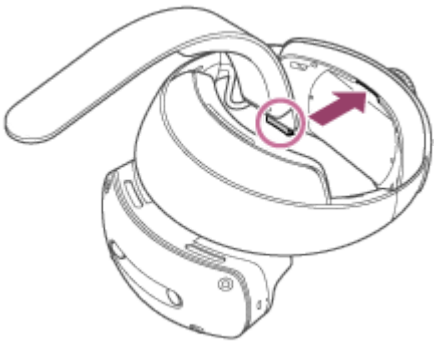
6 **Make sure that the Rear head cushion is secured in place.**

If the projections on the Rear head cushion are not in proper alignment with the holes on the XR Headset, there may be a gap created between the Rear head cushion and the XR Headset.
Make sure that no gap is present between the Rear head cushion and the XR Headset.

To attach the Crown band

1. Remove the Rear head cushion from the XR Headset.

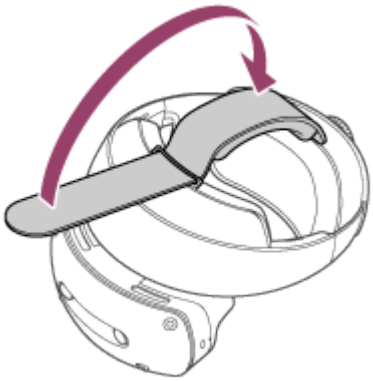
2. Insert the metal end of the Crown band into the slit on the XR Headset.



3. Attach the Rear head cushion back to the XR Headset.
   If the metal end of the Crown band is not firmly in the slit on the XR Headset; or the projections on the Rear head cushion are not in proper alignment with the holes on the XR Headset, there may be a gap created between the Rear head cushion and the XR Headset.
   Make sure that no gap is present between the Rear head cushion and the XR Headset.

4. Pull up the Crown band loop from the XR Headset and thread the tip of the Crown band through it.

5. Pull out the Crown band, adjust its length, and then fasten the hook and loop fastener to secure the band.



For the instructions on how to adjust the Crown band length, see “Wearing the XR Headset.”

Note

- While removing the Crown band, do not apply an excessive force for pulling activities to prevent a possible failure.
- When you do not intend to use the Crown band, be sure to fasten the hook and loop fastener before storing the band.
- A physical impact applied to the XR Head-Mounted Display may cause damage to the XR Head-Mounted Display. While carrying around the XR Head-Mounted Display, protect it against a physical impact and avoid dropping or swinging around the XR Head-Mounted Display. The Crown band of the XR Headset may partially turn whitish. This, however, causes no problems in using the XR Headset.

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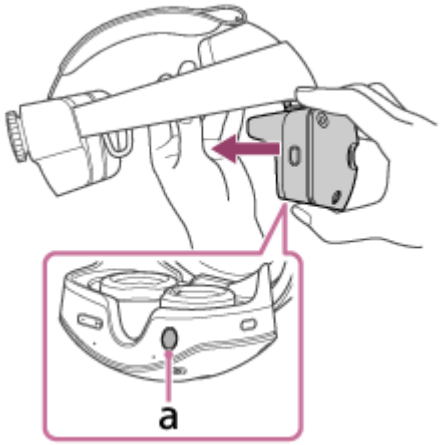
Placing the XR Head-Mounted Display in the case (supplied)

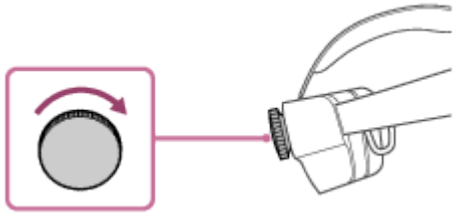
When you are finished with using the XR Head-Mounted Display or before you carry around the XR Head-Mounted Display, place it back in the case.

Before placing the XR Headset in the case

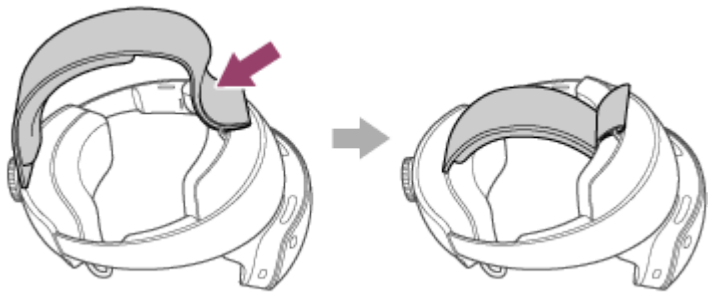
1. Turn off the XR Headset.
2. Flip down the Display unit of the XR Headset.
3. Grasp the Headband with one hand and slide the Display unit with the other hand, while pressing the Eye relief adjustment button (a), toward the rear unit of the XR Headset until the Display unit stops.



4. Turn the Headband adjustment dial clockwise until the Headband is fully fastened.



5. When placing the XR Headset, while the Crown band is attached, in the case, loosen the Crown band to the maximum state, secure the tip of the Crown band with the hook and loop fastener, and then fold the Crown band as shown in the illustration.

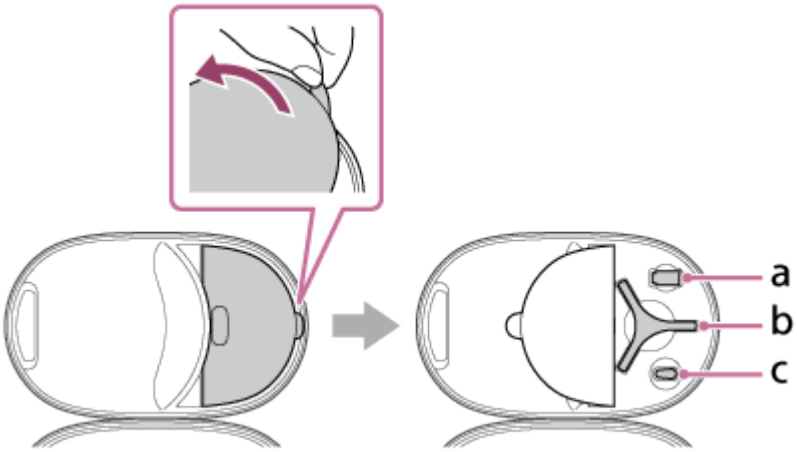


Note

- Placing the XR Headset, while the Crown band is not loosened or folded, in the case may make it difficult to zip the case shut or cause a malfunction of the XR Headset.

1. **Zip the case open, and then place the controllers and the cable cramp in the designated compartments in the top half of the case.**

   Place the controllers and the cable cramp as shown in the illustration.



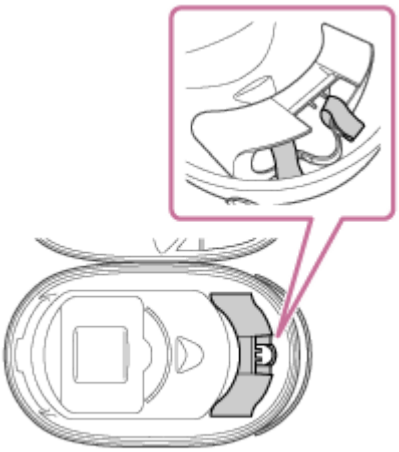
a: Cable clamp
b: Pointing controller
c: Ring controller

Hint

- The cable clamp can be placed along with the XR Headset in the case while attached to the Headband.

2. **Place the Light shield, which is not attached to the XR Headset, in the designated location in the bottom half of the case.**

   Secure the Light shield with the hook and loop fastener and place the shield as shown in the illustration.

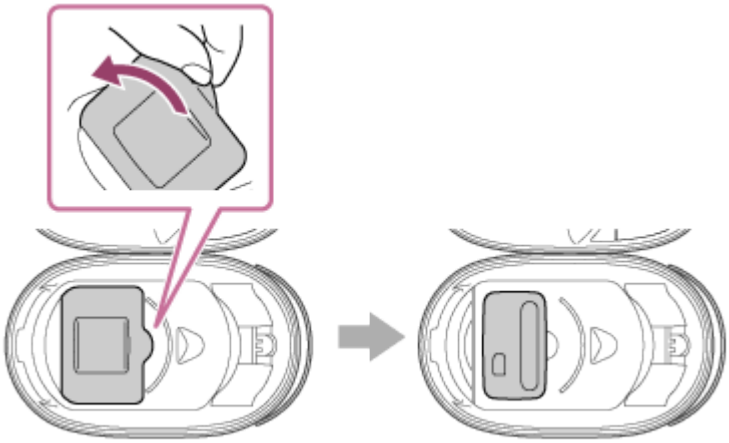


Hint

- Either one of the 2 Light shields must be placed along with the XR Headset in the case while attached to the Display unit.

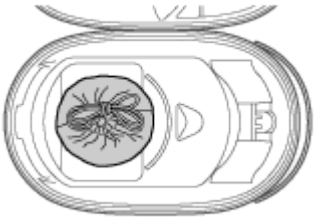
3. **Place the Charging dock in the designated compartment in the designated location in the bottom half of the case.**

   Place the Charging dock as shown in the illustration.

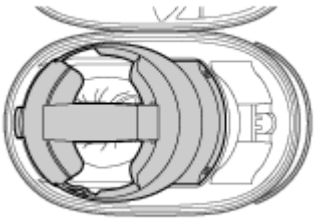


4 **Put the cables (Cable No. 1, Cable No. 2, and Cable No. 3) in the cable pouch, and then place the pouch on top of the compartment for the Charging dock.**

Roll each of the cables and put them in the cable pouch.



5 **Place the XR Headset in the designated location in the bottom half of the case.**



6 **Zip the case completely shut.**

When the zipper does not slide all the way to the end, do not try to slide it with force. Make sure that all the components of the XR Head-Mounted Display are properly placed.

Note

- When placing the cables (Cable No. 1, Cable No. 2, and Cable No. 3) in the case, be sure to put the cables in the cable pouch and then place the pouch in the case. The cables that are placed in the case without being contained in the pouch may cause scratches on the lens surfaces of the XR Headset.
- A physical impact applied to the case containing the XR Head-Mounted Display may cause damage to the XR Head-Mounted Display. While carrying around the case, protect it against a physical impact and avoid dropping or swinging around the case.
- Depending on the transport or storage condition, the Crown band of the XR Headset contained in the case may partially turn whitish. This, however, causes no problems in using the XR Headset.
- After the XR Head-Mounted Display is placed in the case, be sure to zip the case completely shut. If the case is not completely zipped shut, the XR Head-Mounted Display may fall out of the case, resulting in possible damage to the XR Head-Mounted Display or in a possible injury.
- Do not place any heavy object on top of the case.

- Before placing the XR Headset in the case, be sure to turn off the XR Headset. Otherwise, heat buildup may occur inside the XR Headset, resulting in a possible malfunction of the XR Head-Mounted Display or in a possible fire.
- When storing the case that contains the XR Head-Mounted Display, make sure that the Sony logo on the surface of the case faces upward.

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Charging the XR Headset/connecting the XR Headset with a computer

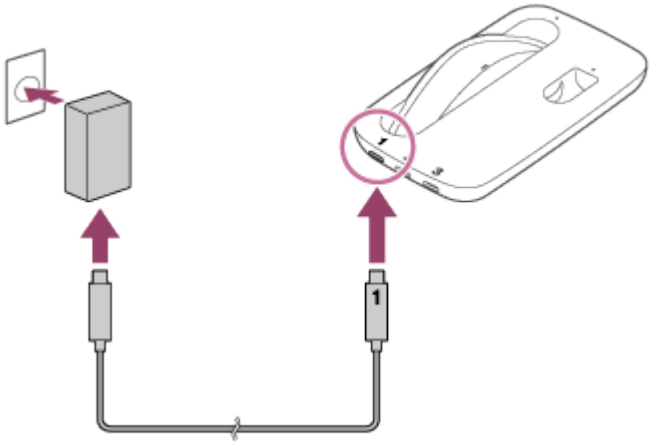
Connect the XR Headset and your computer to the Charging dock that is plugged to a power outlet.

Note

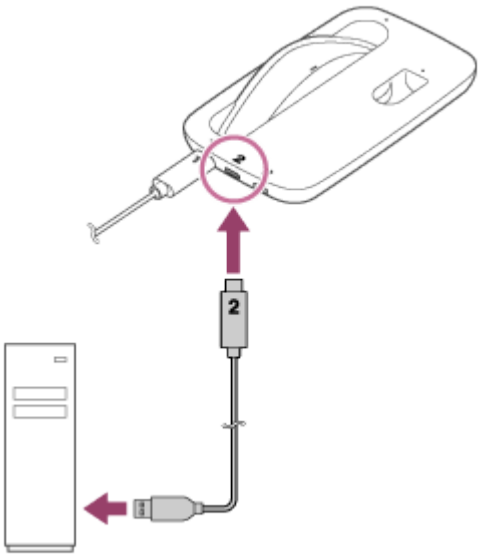
- When using the XR Headset for the first time, be sure to charge the XR Headset by following these steps. The XR Headset must be charged before it can be turned on.

1. **Plug the Cable No. 1 (supplied) into the terminal No. 1 on the Charging dock and into the receptacle on a USB AC adaptor (commercially available).**

   Be sure to plug both ends of the Cable No. 1 before plugging the USB AC adaptor to a power outlet.

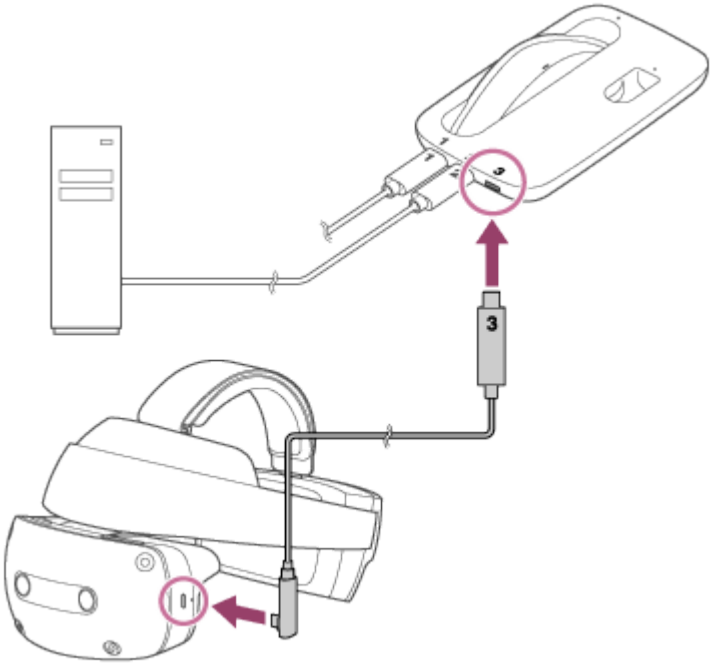


2. **Plug the Cable No. 2 (supplied) into the terminal No. 2 on the Charging dock and into the USB port on your computer.**



3. **Plug the Cable No. 3 (supplied) into the terminal No. 3 on the Charging dock and into the USB port on the XR Headset.**

- The XR Headset starts charging itself. The charging LED on the XR Headset stays lit in orange while power charging is in progress and goes out when charging is complete.
- The red-lit charging LED indicates that the remaining battery power is not sufficient. Keep charging power until the charging LED turns orange before using the XR Headset.



Note

- To connect the XR Headset with your computer via the Charging dock, be sure to plug the Charging dock to a power outlet.

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Charging the controllers

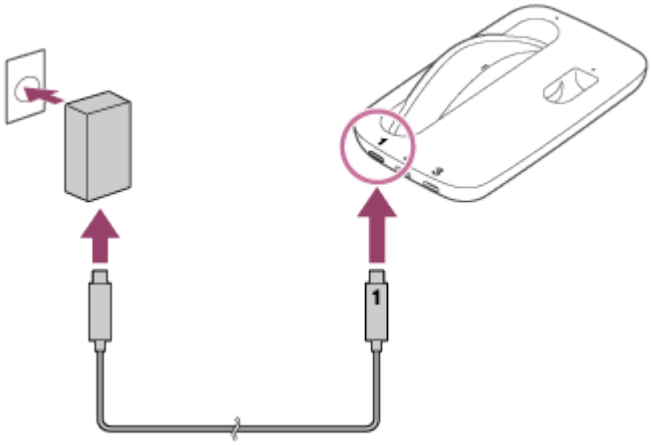
Place the controllers on the Charging dock that is plugged to a power outlet for power charging.

Note

- When using the XR Headset for the first time, be sure to charge the controllers by following these steps. The controllers must be charged before they can be paired with the XR Headset.

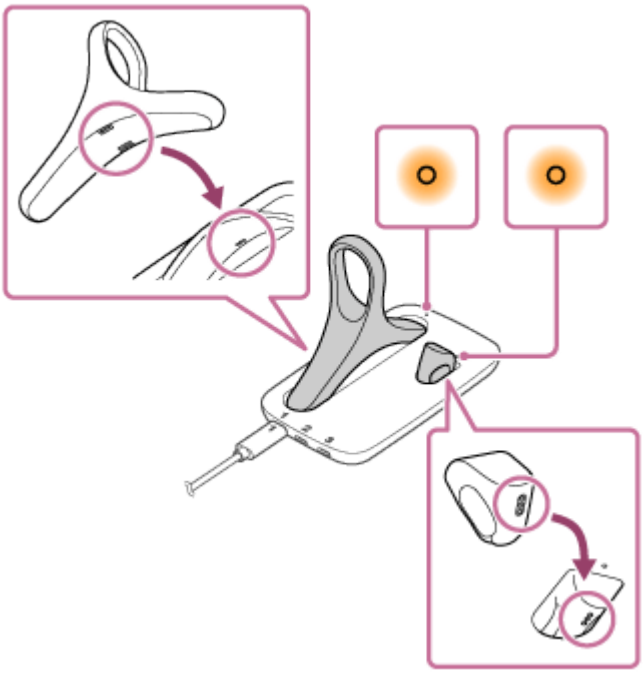
1. **Plug the Cable No. 1 (supplied) into the terminal No. 1 on the Charging dock and into the receptacle on a USB AC adaptor (commercially available).**

   Be sure to plug both ends of the Cable No. 1 before plugging the USB AC adaptor to a power outlet.



2. **Place the controllers on the Charging dock.**

   Place the controllers while aligning the charging terminals on the Charging dock with the charging pins on the controllers, and then make sure that the charging LEDs on the Charging dock light in orange. The charging LEDs stay lit in orange while power charging is in progress and go out when charging is complete.



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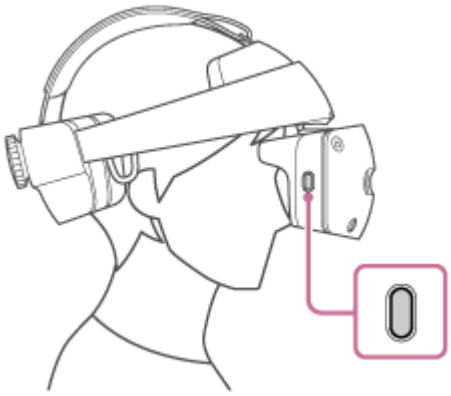
Turning on/off the XR Headset

1. **Press and hold the Power button until the logo appears on the XR Headset monitor.**



To turn off the XR Headset

Press and hold the Power button until the power options appear on the XR Headset monitor, and then select [Power off]
To force a shutdown of the XR Headset, press and hold the Power button on the XR Headset for about 10 seconds. Keep holding the Power button long after the power options appear on the XR Headset monitor.

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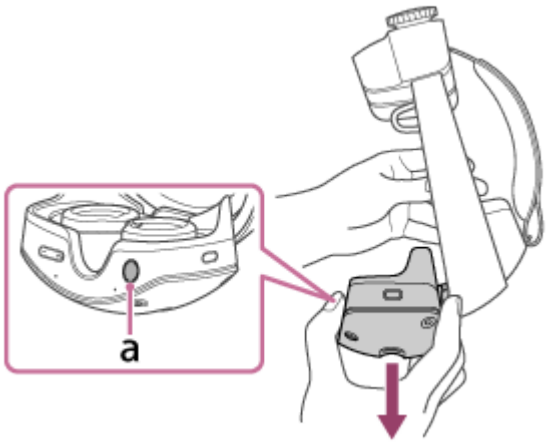
Wearing the XR Headset

Wear the XR Headset on your head.

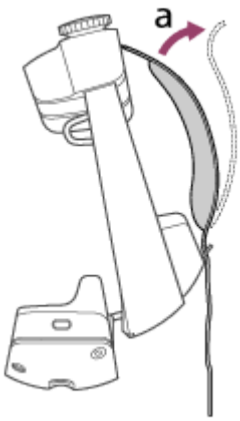
Note

- Grasp and hold the Headband, not the Display unit, of the XR Headset during the following operations.
- The acceptable pupillary distance (eye spacing) and head size ranges of the XR Headset are listed below. If your measurements are outside the acceptable range, you are not fit for using the XR Headset.
  - Pupillary distance: xx mm to xx mm (xx inch to xx inch)
  - Head size: xx mm to xx mm (xx inch to xx inch)
- On the XR Headset monitor, images appear xx m away. Wear the eye glasses or the contact lenses that help you clearly make out the contents on an as-needed basis. When you do not clearly make out the contents with the help of the appropriate eye glasses or contact lenses, stop using the XR Headset. Wearing multifocal eye glasses or contact lenses, including bifocal ones, may not help you comfortably make out the contents on the XR Headset monitor.

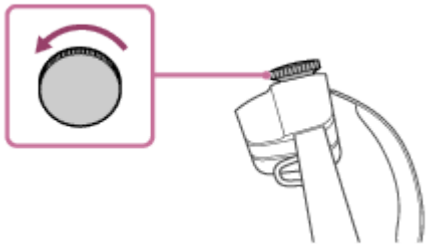
1. **Grasp the Headband with one hand and fully pull out the Display unit with the other hand while pressing the Eye relief adjustment button (a).**



2. **Peel apart the hook and loop fastener of the Crown band (a).**

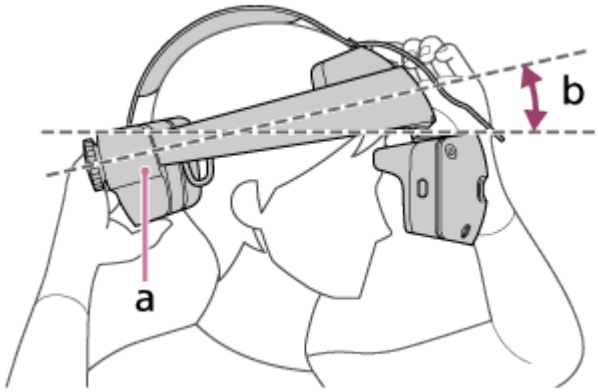


3. **Turn the Headband adjustment dial counterclockwise to loosen the Headband.**

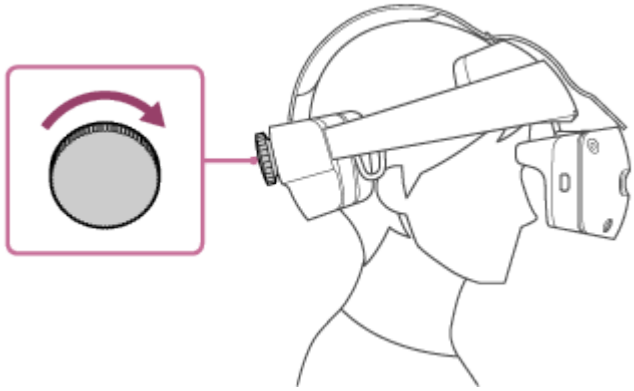


4 **Put the XR Headset over your head while bringing the Headband adjustment dial to the back of your head.**

Pull down the rear unit (a) side of the XR Headset, and then make an adjustment so that the Headband is tilted backward on your head at a well-balanced angle.
As shown in the illustration, the adequate tilt angle (b) of the Headband is 10 degrees with a margin of ± 5 degrees.

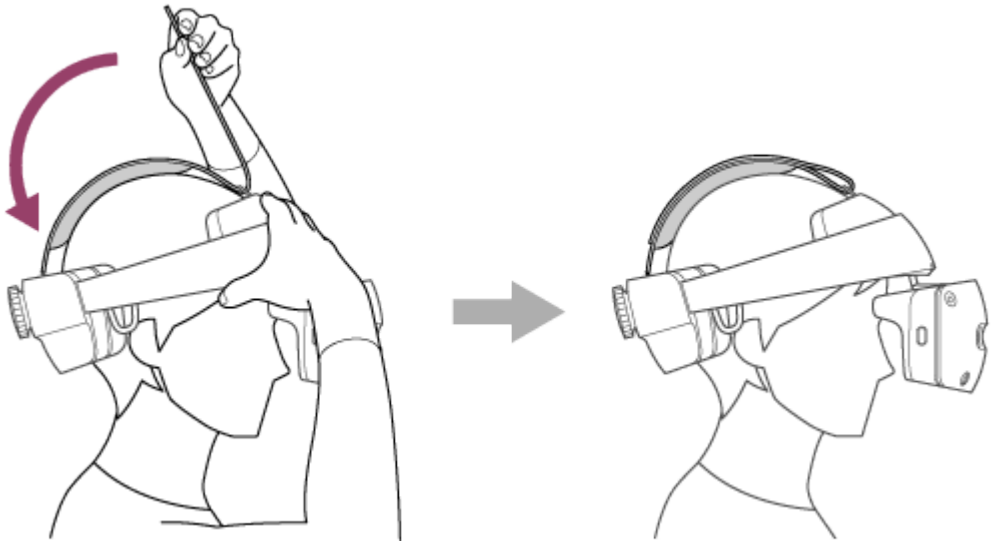


5 **Turn the Headband adjustment dial clockwise to tighten the Headband and adjust the fit.**



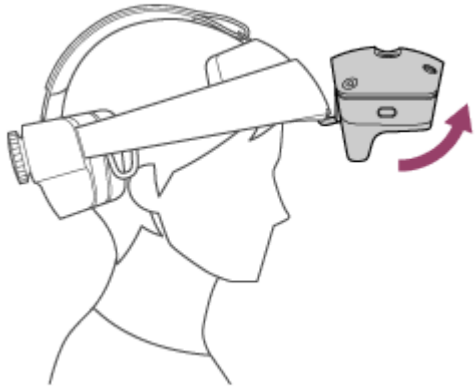
6 **Secure the Crown band.**

As shown in the illustration, hold the forehead section of the Headband with one hand, pull the Crown band end with the other hand, and then fasten the hook and loop fastener to secure the band.



Make an adjustment so that the whole of the cushion on the Crown band fits against your head.

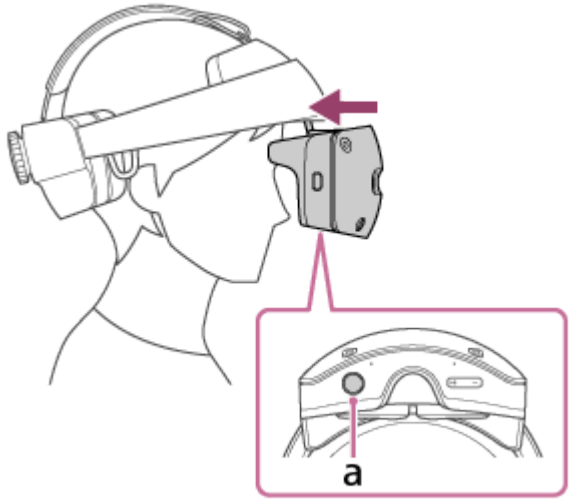
7 **Flip up the Display unit of the XR Headset and see if the unit remains flipped up.**



After making sure that the Display unit remains still, flip it back down.
When the Display unit flipped back down, it clicks into place.

8 **Press and hold the Eye relief adjustment button (a), and then pull the Display unit closer to your face.**

Make an adjustment so that the Display unit stays at a position where you can make out the contents on the XR Headset monitor.



Hint

- When adjustments of the Display unit position do not help you comfortably make out the contents on the XR Headset monitor. select [Setting] - [Eye tracking] from the Dock on the HOME screen, and then try adjustments through [Adjust Eye tracking] or [Lens adjustment].

Note

- Before flipping up and down the Display unit to see if it does while wearing the XR Headset, make sure that the Display unit is fully pulled out.
  While the Display unit is not fully pulled out, flipping it up/down causes the Light shield (supplied) to hit hard on your face or eyeglasses, resulting in a possible injury.

- When pulling the Display unit closer to your face, pull it gently.
  Jerking the Display unit causes it to hit hard on your face or eyeglasses, resulting in a possible injury.

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Installing the “XR Headset Connect” app

Install the “XR Headset Connect” app on your computer.

1. **Access the website at:**

   https://support.sw.siemens.com/

2. **Log in to the website with your account information, and then select the XR Head-Mounted Display.**

3. **On the download tab, select the “XR Headset Connect” app, and then download and install the app on your computer.**

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Making the initial settings

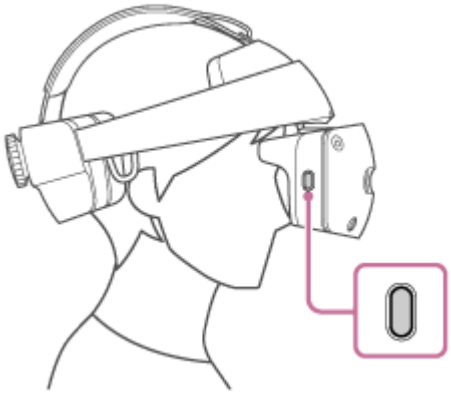
Specify the settings necessary to start using the XR Headset.

1. **On your computer, launch the “XR Headset Connect” app.**

2. **Wear the XR Headset.**

   For the detailed instructions on how to wear the XR Headset, see “Wearing the XR Headset.”

3. **Turn on the XR Headset.**



4. **Follow the on-screen instructions on the XR Headset to pair the XR Headset with the controllers.**

5. **Follow the on-screen instructions on the XR Headset to complete the settings.**

   The following describes the main setting items.

   - Language
   - Eye tracking adjustment
     This setting can be skipped.
   - Activation code entry
     Follow the on-screen instructions on the XR Headset as well as the “XR Headset Connect” app to enter the activation code.
   - Wi-Fi function
     - When you intend to make a wired connection between the XR Headset and your computer, for example, you can skip the Wi-Fi function settings. Follow the on-screen instructions on the XR Headset to proceed to the time settings.
     - If any attempt to establish a Wi-Fi connection fails, visit the support website at:
       https://support.google.com/android/
     - To establish a Wi-Fi connection, it is recommended that you use IEEE 802.11ax* compatible devices.

       * This standard may not be available depending on your country/region.

- Time settings
- Work area settings
  Specify the range of Work area to ensure the safety of your movement.

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Establishing a connection to a Wi-Fi network, such as an office network

Using a Wi-Fi network, such as an office network, may require a certificate.
The following describes the steps to install a certificate on the XR Headset.

1. **Plug the Cable No. 2 (supplied) into the terminal No. 2 on the Charging dock and into the USB port on your computer.**

   A notification concerning detection of the USB connection appears on the XR Headset monitor.

2. **From the Dock on the HOME screen, select [Setting] - [Notifications].**

   The notification panel opens, showing a list of notifications.
   From the listed notifications, select the notification concerning detection of the USB connection that appeared on the XR Headset monitor in step 1 .

   Hint

   - Alternatively, you can open the same panel by selecting [Notifications] on the Dock on the HOME screen.

3. **Follow the on-screen instructions on the XR Headset to allow access from your computer to the XR Headset.**

4. **Copy the required certificate from your computer.**

   1. Open the Explorer on your computer.
   2. Select [SRH-S1] on the [PC] window pane.
   3. Copy the certificate file to the [Certificates] folder.

5. **From the Dock on the HOME screen, select [Setting] - [Wi-Fi].**

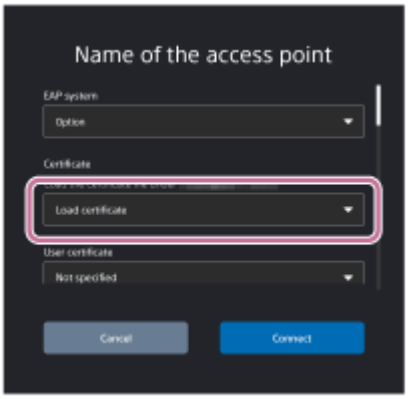
   The Wi-Fi settings panel opens.

   Hint

   - Alternatively, you can open the same panel by opening the Quick settings panel from the Dock on the HOME screen and selecting [Wi-Fi].

6. **Select a target access point.**

7. **From the [Certificate] pull-down menu, select the certificate that you copied in step 4 .**



8 **Enter the name of the certificate and select [OK].**

9 **Make sure that the certificate name you specified in step 8 is selected on the [Certificate] pull-down menu, and then select [Connect].**

When a Wi-Fi connection is successfully established, the Wi-Fi settings panel reappears and [Connected] is displayed under the name of the connected access point.

To uninstall the installed certificate

From the Dock on the HOME screen, select [Setting] - [System] - [Basic data] - [Certificate].
You can uninstall a certificate through the (Delete) icon that is displayed to the right of the target certificate.

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Changing the port number

Depending on the firewall settings of your security software, any attempt to pair the XR Headset with your computer may fail. In such a case, see the topic “Pairing/connection between the XR Headset and the computer” in the “Troubleshooting” section. When the port number for your computer needs to be changed, follow these steps.

To change the port number for the XR Headset

1. From the Dock on the HOME screen, select [Setting] - [PC connection setting] - the [Advanced Setting] menu.

Hint

- Alternatively, you can select [PC connection setting] by opening the Quick settings panel from the Dock on the HOME screen.

2. Under [Port number], select the (Edit) icon for [UDP Broad Cast] or [Web Socket].
3. Enter the port number and select [OK].

To change the port number for your computer

1. Launch the “XR Headset Connect” app on your computer, and then select the [This app setting] - [Communication Setting] tab.
2. Under [Pairing port information], select the (Edit) icon for [Port number for UDP reception] or [Port number for WebSocket].
3. Enter the port number and select [Change].

Note

- View the website or manual available for your security software as well.

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Pairing the XR Headset with your computer

A series of operations to register the device that you wish to connect is called pairing.
To establish a connection between the XR Headset and your computer, you need to pair them together in the first place.
Once paired, a connection is automatically established between the 2 devices from then on.

1. **On your computer, launch the “XR Headset Connect” app.**

2. **From the Dock on the HOME screen, select [Setting] - [PC connection setting] - the [Pairing] menu.**

   Hint

   - Alternatively, you can open the PC connection settings panel by opening the Quick settings panel from the Dock on the HOME screen and selecting [PC connection setting].

3. **Select [New pairing], and then follow the on-screen instructions on the XR Headset to pair with your computer.**

Hint

- When no paired computer is found, for example, when you use the XR Headset for the first time, launching the “Immersive Designer” app from the HOME screen of the XR Headset monitor displays a message prompting you to pair the XR Headset with your computer.
  Follow the on-screen instructions on the XR Headset to pair the XR Headset with your computer.

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What you can do with the XR Headset

The following lists some of what you can do with the XR Headset.
For the detailed information about each of the following, see the linked page.

The XR Headset needs to be integrated with the “XR Headset Connect” app.

- Paring the XR Headset with your computer
  Pairing the XR Headset with your computer

- Establishing a connection between the XR Headset and your computer
  [PC connection setting]

The XR Headset needs to be paired with other devices; needs to have connections established with other devices.

- Paring the XR Headset with a Bluetooth earphone; establishing a connection between the XR Headset and a Bluetooth earphone
  [Bluetooth® earphone]

- Pairing the XR Headset with the controllers
  [Controller]

The XR Headset needs to have a connection established to a Wi-Fi network.

- Adding a Wi-Fi network; establishing a connection to a Wi-Fi network; deleting the active Wi-Fi network connection
  [Wi-Fi]

- Establishing a connection to a Wi-Fi network that requires a certificate
  Establishing a connection to a Wi-Fi network, such as an office network

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Getting to know about the Dock on the HOME screen

The following describes each item of the Dock that appears on the HOME screen of the XR Headset monitor.

1. Quick settings button
   Selecting this button opens the Quick settings panel.
   For details, see "Quick settings panel."
   The icons on this button indicate information about the states of the XR Headset.

   - (PC connection state)
     Indicates the state of the connection between the XR Headset and a computer.

     - (Not found): No paired computer is found.
     - (Not connected): Paired computers are found but no connection is established with the XR Headset.
     - (Connecting): An attempt to establish a connection with one of the paired computers is in progress.
     - (Error): All attempt to establish a connection with each of the paired computers failed and resulted in an error.
     - (Warning): There are warnings about issues with computer connections, including the connection speed. To find out the details, select [PC connection setting] on the Quick settings panel.
     - (Connected): The connection with the computer is up and running.

   - (Wi-Fi signal)
     Indicates the signal strength of the Wi-Fi network.

   - (Battery)
     Indicates the approximate remaining battery power of the XR Headset.

2. Notifications
   You can view the notifications concerning the XR Headset and apps.
   For details, see "[Notifications]."

3. Immersive Designer
   You can launch the "Immersive Designer" app.

4. Setting
   You can view the settings items.
   For details, see the individual topic pages through [Setting].

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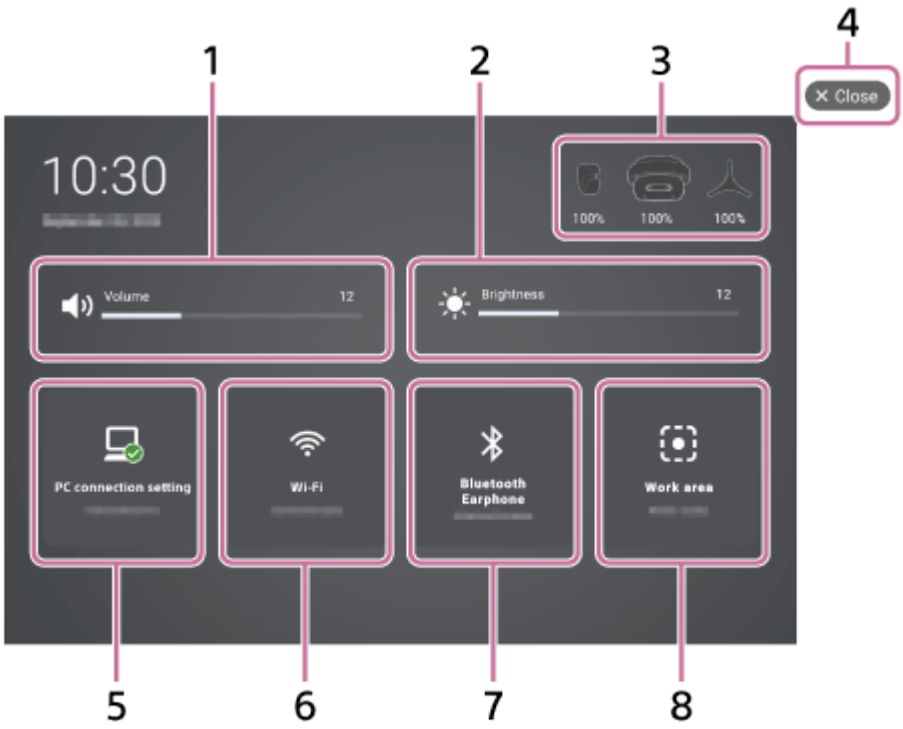
Quick settings panel

The following describes the items on the Quick settings panel.



1. Sound volume control
   By dragging the control bar sideways, you can change the volume level of the XR Headset.
   By pressing the (Speaker) icon, you can turn on/off the sound as well.

2. Brightness control
   By dragging the control bar sideways, you can change the brightness level of the XR Headset monitor.

3. Battery indications
   The remaining battery power is indicated individually for the XR Headset and the controllers.

4. (Close) button
   This button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting the button closes the panel.

5. PC connection setting
   The state of the connection with the computer is indicated by the (PC connection setting) icon.
   When a connection with any computer is found, the name of the computer is displayed.
   Selecting this item opens the PC connection settings panel. For details, see "[PC connection setting]."

6. Wi-Fi
   The state of the Wi-Fi network communication is indicated by the (Wi-Fi) icon.
   When a Wi-Fi network connection is established, the name of the connected access point is displayed.
   Selecting this item opens the Wi-Fi settings panel. For details, see "[Wi-Fi]."

7. Bluetooth earphone
   The state of the connection with the Bluetooth earphone is indicated by the (Bluetooth) icon.
   When a connection with any earphone is found, the name of the earphone is displayed.

Selecting this item opens the Bluetooth earphone settings panel. For details, see “[Bluetooth® earphone].”

8. Work area

   The Work area settings are indicated.

   Selecting this item allows you to specify the borderline settings for Walkaround mode and Stationary mode.

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[System]

You can make settings for the XR Headset.

1. **From the Dock on the HOME screen, select [Setting] - [System].**

   The system panel opens.

   Hint

   - The (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.

The following describes the main setting items.

[Display] menu

- Brightness level
  You can adjust the brightness level by dragging the control bar sideways. To restore the default brightness level, select [Reset].

- Character size
  You can select one of the Character sizes: Small, Middle (default), Large, and Oversized.

[Sound] menu

- Volume
  You can adjust the volume level of the XR Headset by dragging the control bar sideways.

- Notification sound
  You can turn on/off the notification sound.

[Time and language] menu

- Language
  You can change the language settings.

- Time

  - Country or region
    Select a country or region in order to specify the time zone.
  - Time zone
    When multiple time zones exist in a single country or region, select one of the time zones.
  - Auto
    When this option is activated, the system automatically sets the date and time by obtaining from the Internet.
  - Manual
    When the Auto option is not activated, select [Set], and then specify the date and time by hand.

[Storage] menu

- Device storage
  The used capacity of the storage volume is displayed.

- Manage storage
  The installed apps are listed.
  Through the ··· (Advanced) icon, the following operations are available as well.

  - Clear storage
    The data stored on the app is deleted.

  - Clear cache
    The cache data for the app is deleted.

[Software update] menu

- Updates for the XR Headset
  Before updates are applied, you may be asked to consent to the agreement.

  - Software update
    You can check if any updates are available to the software of the XR Headset and the controllers.
    When updates are found available, select [Update], and then follow the on-screen instructions on the XR Headset to apply the updates.

  - Build number
    You can view the build number of the XR Headset.

  - Auto update
    While this option is activated and the XR Headset is connected to the Internet as well as up and running, the system automatically checks for available updates. When updates are found available, the system downloads and, during the next start-up of the XR Headset, applies the updates.

- Updates for the Charging dock
  You can check if any updates are available to the firmware of the Charging dock.
  When updates are found available, select [Update], and then follow the on-screen instructions on the XR Headset to apply the updates.
  For details, see “Updating the Charging dock.”

[Basic data] menu

- Device name
  You can view the name of the XR Headset and its model name. To change the XR Headset name, select [Rename].

- Network information

  - MAC address
    You can view the MAC address of the XR Headset.

  - Certificate
    You can view/delete any of the installed certificates.

- Information and certification in compliance with the law
  You can view the third-party license information.

[Regulatory certification] menu

You can view the regulatory certification information.

[Reset option] menu

- Delete only the data
  To delete the settings for the XR Headset, select [Reset].

- Factory reset
  To initialize the XR Headset and restore all of the settings to the states at the time of purchase, select [Reset].

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[Wi-Fi]

You can specify the Wi-Fi settings for the XR Headset.

1. **From the Dock on the HOME screen, select [Setting] - [Wi-Fi].**

   The Wi-Fi settings panel opens and the access points that are found are displayed.
   Under the name of the access point with the active Wi-Fi connection, [Connected] is displayed.

   Hint

   - The (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.
   - Alternatively, you can open the same panel by opening the Quick settings panel from the Dock on the HOME screen and selecting [Wi-Fi].

To add a Wi-Fi network

1. Select [Add a network].
2. Enter the name of a network and select the security type.
3. When the access point is security protected, enter the password.
4. Select [Connect].

To establish a connection to a Wi-Fi network

1. Select a target access point.
2. When the access point is security protected, enter the password.
3. Select [Connect].

To delete the active Wi-Fi network connection

1. Select the access point with the active connection.
2. Select [Delete].

Hint

- The above operations are provided as examples. For the detailed setting information, visit the following website as well.
  https://support.google.com/android/
- You can install a certificate on the XR Headset and establish a connection to a Wi-Fi network, such as an office network, as well. For details, see “Establishing a connection to a Wi-Fi network, such as an office network.”

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[Bluetooth® earphone]

You can make settings concerning the connection between the XR Headset and a Bluetooth earphone.

1. **From the Dock on the HOME screen, select [Setting] - [Bluetooth earphone].**

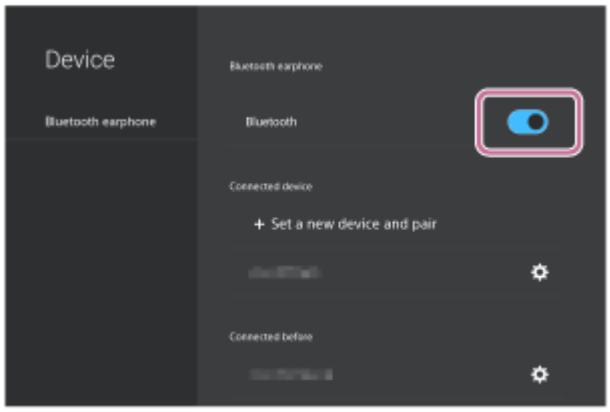
   The Bluetooth earphone settings panel opens.
   When a connection with any earphone is found, the name of the earphone is displayed.

   Hint

   - The (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.
   - Alternatively, you can open the same panel by opening the Quick settings panel from the Dock on the HOME screen and selecting [Bluetooth earphone].

To activate/deactivate the Bluetooth function

Use the Bluetooth switch to activate/deactivate the function.



To pair with a new earphone

1. Select [Set a new device and pair].
2. Select a target earphone.
   The dialog box pops up, asking your confirmation on pairing.
3. Select [Pair].

To view the paired earphone information

1. Select the (Settings) icon for the earphone under [Connected before].
   The information including the earphone name and the Bluetooth address is displayed.

   - To establish a connection with the XR Headset, select [Connect].
   - To delete the pairing information, select [Delete].

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[PC connection setting]

You can make settings concerning pairing and connection between the XR Headset and your computer.

1. **From the Dock on the HOME screen, select [Setting] - [PC connection setting].**

   The PC connection settings panel opens.

   Hint

   - The (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.
   - Alternatively, you can open the same panel by opening the Quick settings panel from the Dock on the HOME screen and selecting [PC connection setting].

The following describes the main setting items.

[Pairing] menu

When paired computers are found, the states of the connections with the XR Headset are displayed.

- Connect/Disconnect
  According to the state of an individual connection between the XR Headset and the paired computer, an appropriate button is displayed.
  Connect: Displayed when no connection is established with the paired computer or a connection attempt fails. Selecting this button triggers an attempt to establish a connection with the computer.
  Disconnect: Displayed when a connection is established with the paired computer. Selecting this button disconnect the connection with the computer.

- Auto connect
  While this option is activated, attempts to establish connections with the paired computers are automatically made when the XR Headset is turned on.

- New pairing
  You can pair the XR Headset with a new computer. Follow the on-screen instructions on the XR Headset to proceed further operations.
  Alternatively, you can pair the XR Headset with a new computer by specifying the IP address of the computer through [Pairing by specifying the IP address].
  For each of the paired computers, its name is displayed under the [New pairing] button. To delete the pairing information, select (Delete) icon.

[Advanced Setting] menu

You can view and edit the port number for the XR Headset to be used for pairing with computers.
This port number must be identical to the one specified for the computer.
For the instructions on how to view the port number specified for the computer, see “[This app setting].”

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[Work area]

You can specify the Work area settings. When you walk out of the Work area, the XR Headset monitor turns to the See through view.

1. **From the Dock on the HOME screen, select [Setting] - [Work area].**

   The work area settings panel opens.

   Hint

   - The ⊗ (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.

The following describes the main setting items.

- Adjust Work area
  You can redo the Work area settings that you specified in the course of making the initial settings.
- Set the floor height
  You can redo the floor surface inspection that you made in the course of making the initial settings.
- Delete all work areas
  You can delete all the Work area settings stored on the XR Headset.

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[Accessibility]

You can adjust the visibility of the XR Headset monitor and the audibility of the sound.

1. **From the Dock on the HOME screen, select [Setting] - [Accessibility].**

   The accessibility settings panel opens.

   Hint

   - The (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.

The following describes the main setting items.

[Visual] menu

- Color correction
  You can adjust the color tone on the XR Headset monitor for better color identification.

- Character size
  You can select one of the Character sizes: Small, Middle (default), Large, and Oversized.

[Hearing] menu

- Mono audio
  While this option is activated, the left and right audio channels are combined for outputting monaural sound.

- Audio balance
  You can adjust the left and right audio balance by dragging the control bar sideways.

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[Notifications]

You can view notifications concerning the XR Headset, including the remaining battery power and the signal strength of the Wi-Fi network.

1. **From the Dock on the HOME screen, select [Setting] - [Notifications].**

   The notification panel opens, showing a list of notifications.

   Hint

   - The ⊗ (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.
   - Alternatively, you can open the same panel by selecting [Notifications] on the Dock on the HOME screen.

2. **Select a target notification.**

   The contents of the notification are displayed.

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[Eye tracking]

You can make settings concerning the eye tracking.

1. **From the Dock on the HOME screen, select [Setting] - [Eye tracking].**

   The eye tracking settings panel opens.

   Hint

   - The (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.

The following describes the main setting items.

- Delete Eye tracking Information
  You can delete the current eye tracking information.
- Adjust Eye tracking
  You can redo the eye tracking adjustments that you made in the course of making the initial settings.
- Lens adjustment
  You can redo the adjustments for the lens spacing that you made in the course of making the initial settings.
- Adjustment result confirmation
  You can view the results of eye tracking adjustments.

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[User preference]

You can save the XR Headset settings or load the saved settings.

1. **From the Dock on the HOME screen, select [Setting] - [User preference].**

   The user preferences panel opens.

   Hint

   - The (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.

The following describes the main setting items.

[Save] menu

- Save the current setting
  You can save the current settings with a name.

[Load] menu

You can list the saved settings data sets.

- Load
  You can load a saved data set.

- (Delete)
  You can delete a saved data set.

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[See through view]

You can change the background of the XR Headset monitor.

1. **From the Dock on the HOME screen, select [Setting] - [See through view].**

   The see through view settings panel opens.

   Hint

   - The (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.

2. **Activate/deactivate the see through view with the (Activate)/ (Deactivate) switch.**

- When the view is activated, the Status LED on the XR Headset lights in blue and the XR Headset monitor turns to the see through view where a real space appears on the background.
- When the view is deactivated, the Status LED on the XR Headset lights in white and the VR (virtual reality) space appears on the background of the XR Headset monitor.

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[Controller]

You can make settings concerning the controllers.

1. **From the Dock on the HOME screen, select [Setting] - [Controller].**

   The controller settings panel opens.

   Hint

   - The ⊗ (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.

The following describes the main setting items.

[Pointing controller] menu

- Serial number
  The serial number of the Pointing controller is displayed.

- Firmware version
  The firmware version of the Pointing controller is displayed.

- Laser pointing
  While this option is activated, the Pointing controller emits laser beams from its tip. This enables you to point objects on the MR (mixed reality) space with laser beams, thus comes in handy for the button or other operations from distance.

- Dominant hand
  Specify the hand to wear the Pointing controller.

- Vibration level
  Specify the level of vibration that the Pointing controller produces.

- Pairing/Cancel pairing
  You can pair/unpair the Pointing controller with/from the XR Headset. Follow the on-screen instructions on the XR Headset to proceed further operations.

[Ring controller] menu

- Serial number
  The serial number of the Ring controller is displayed.

- Firmware version
  The firmware version of the Ring controller is displayed.

- Hand setting to be worn
  Specify the hand to wear the Ring controller.

- Pairing/Cancel pairing

You can pair/unpair the Ring controller with/from the XR Headset. Follow the on-screen instructions on the XR Headset to proceed further operations.

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[Help]

You can view the message introducing the Help of the “XR Headset Connect” app.

1. **From the Dock on the HOME screen, select [Setting] - [Help].**

   The Help panel opens, showing the message introducing the Help of the “XR Headset Connect” app.

   Hint

   - The ⊗ (Close) button appears at the panel corner that is nearest from the point on a panel where the tip of the Pointing controller is touched. Selecting this button closes the panel.

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Operations of the XR Headset

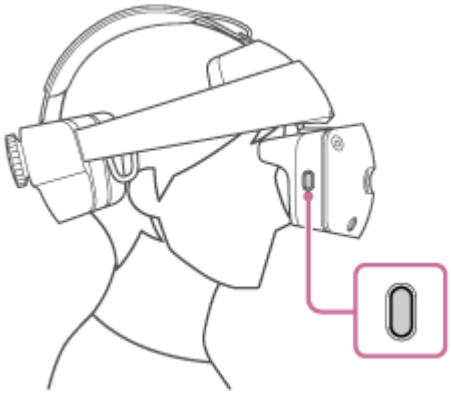
The following describes operations of the XR Headset.

Turning on/off the XR Headset

See “Turning on/off the XR Headset.”

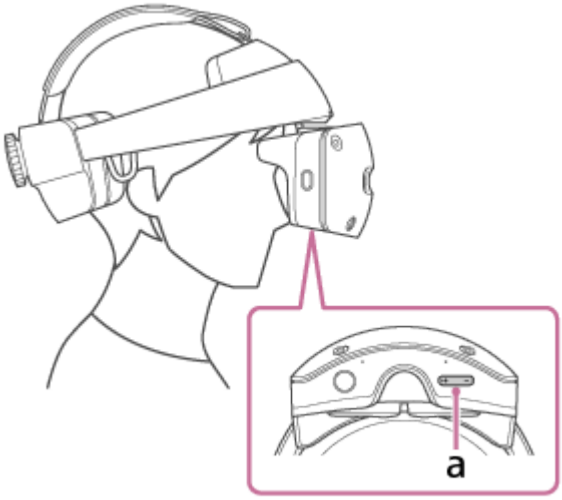
Forcing a shutdown of the XR Headset

Press and hold the Power button on the XR Headset for about 10 seconds.
Keep holding the Power button long after the power options appear on the XR Headset monitor.



Adjusting the sound volume of the XR Headset

Press the Volume +/− buttons (a) on the XR Headset to adjust the volume level.



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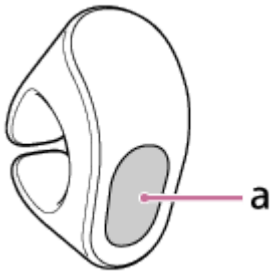
Operations with the Ring controller

The following describes operations with the Ring controller.

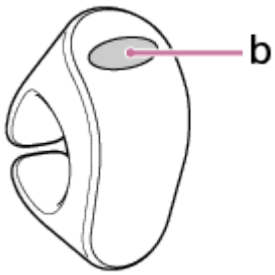
Grabbing and moving a virtual object

Press and hold the GRAB button (a) in the vicinity of a virtual object on the MR (mixed reality) space, move the Ring controller to where you want the object to be, and then release the GRAB button.



Displaying the menu of the app in use

Press the MENU button (b).



Scrolling the scroll area

Slide your finger on the Slide pad (c).

Hint

- Depending on the app in use, the results of the operations with the Ring controller may vary.

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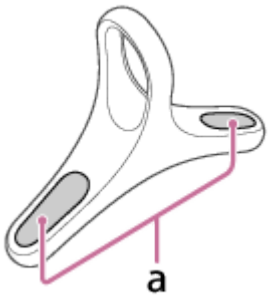
Operations with the Pointing controller

The following describes operations with the Pointing controller.

Selecting an item

Touch an item on the MR (mixed reality) space directly with the tip of the Pointing controller and click the button (a) on the Slide pad.

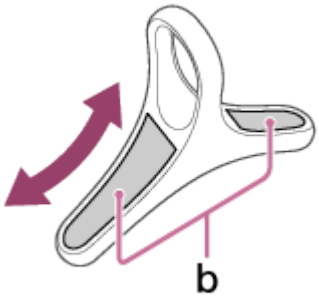


Hint

- If the Pointing controller fails and cannot be used, you can bring the pointer to an item with the movement of your head, which has the XR Headset on, and select the item with the Volume+/– buttons on the XR Headset as well.

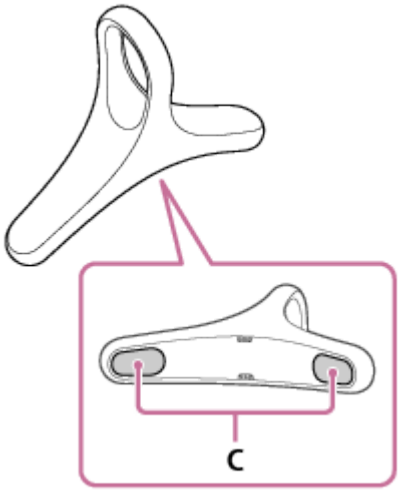
Scrolling the scroll area

Slide your finger on the Slide pad (b).



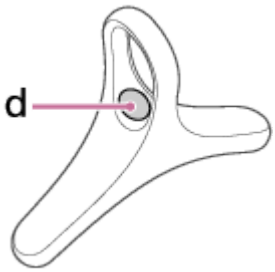
Grabbing and moving a virtual object

Press and hold the GRAB button (c) in the vicinity of a virtual object on the MR (mixed reality) space, move the Pointing controller to where you want the object to be, and then release the GRAB button.



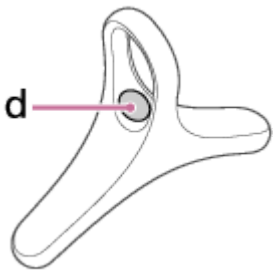
Displaying the HOME screen of the XR Headset monitor

Press the HOME button (d).



Resetting the front view

When adjusting the front center position or bringing a menu right in front of your eyes on the HOME screen, reset the front view.
Press and hold the HOME button (d) until the front view is reset.



Hint

- The Pointing controller has 2 sets of the Slide pad and the GRAB button, so you can wear the controller by inserting your finger through the loop from either side. You can do the same operations by using either pair of the Slide pad and the GRAB button.
- Depending on the app in use, the results of operations with the Pointing controller may vary.

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Using the “Immersive Designer” app

Launch the “Immersive Designer” app to create/review CAD data.

1. **Select the “Immersive Designer” app icon on the Dock on the HOME screen.**

   The “Immersive Designer” app is launched.

2. **When using the XR Headset for the first time, follow the on-screen instructions on the XR Headset to pair the XR Headset with your computer.**

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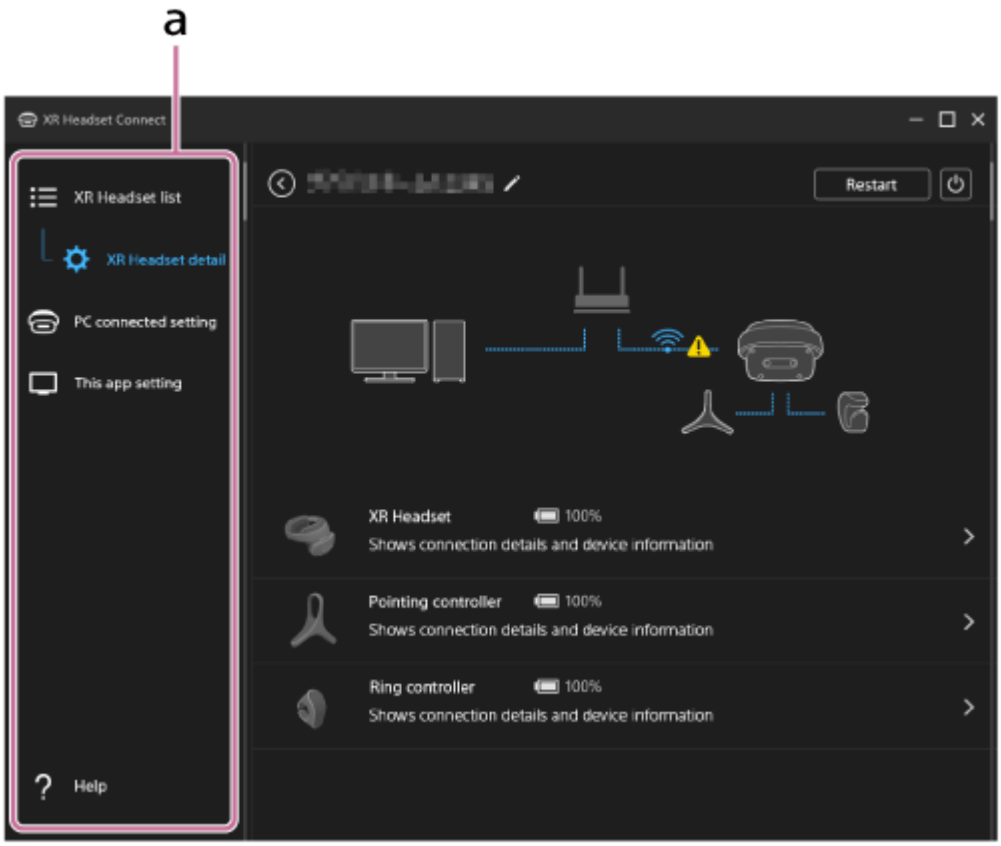
Getting to know the “XR Headset Connect” app

With the “XR Headset Connect” app, you can view the states of the connections between the XR Headset and each of the controllers as well as between the XR Headset and your computer.

From the Side menu (a) on the left window pane, select a target menu item.



For the detailed information about the settings that are available through each of the menu item, see the following.

- [XR Headset list]
- [XR Headset detail]
- [PC connected setting]
- [This app setting]
- [Help]

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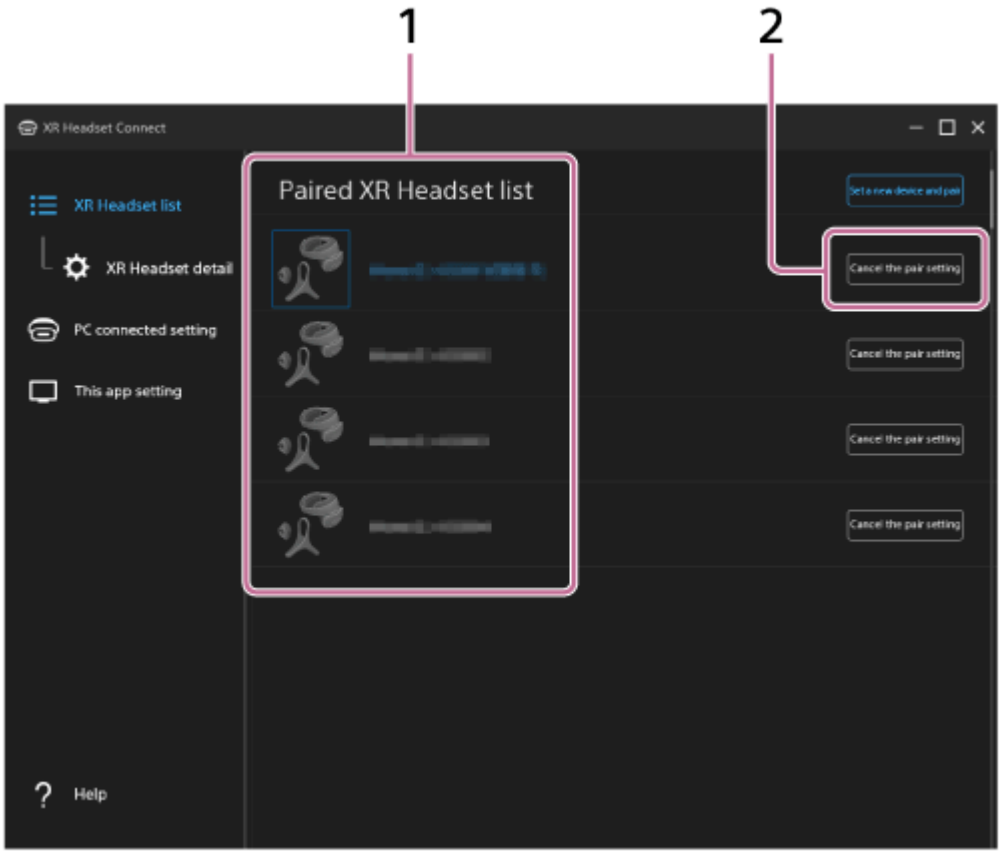
[XR Headset list]

The following describes the [XR Headset list] menu of the “XR Headset Connect” app.
Through the [XR Headset list] menu, you can view a list of the paired XR Headset units.



1. Paired XR Headset list
   The paired XR Headset units are listed.
   Selecting one of the units opens the [XR Headset detail] menu.

2. Cancel the pair setting
   You can delete the information about pairing between your computer and an individual XR Headset unit. To re-establish a connection with the unit, the pairing operations on the XR Headset are required.

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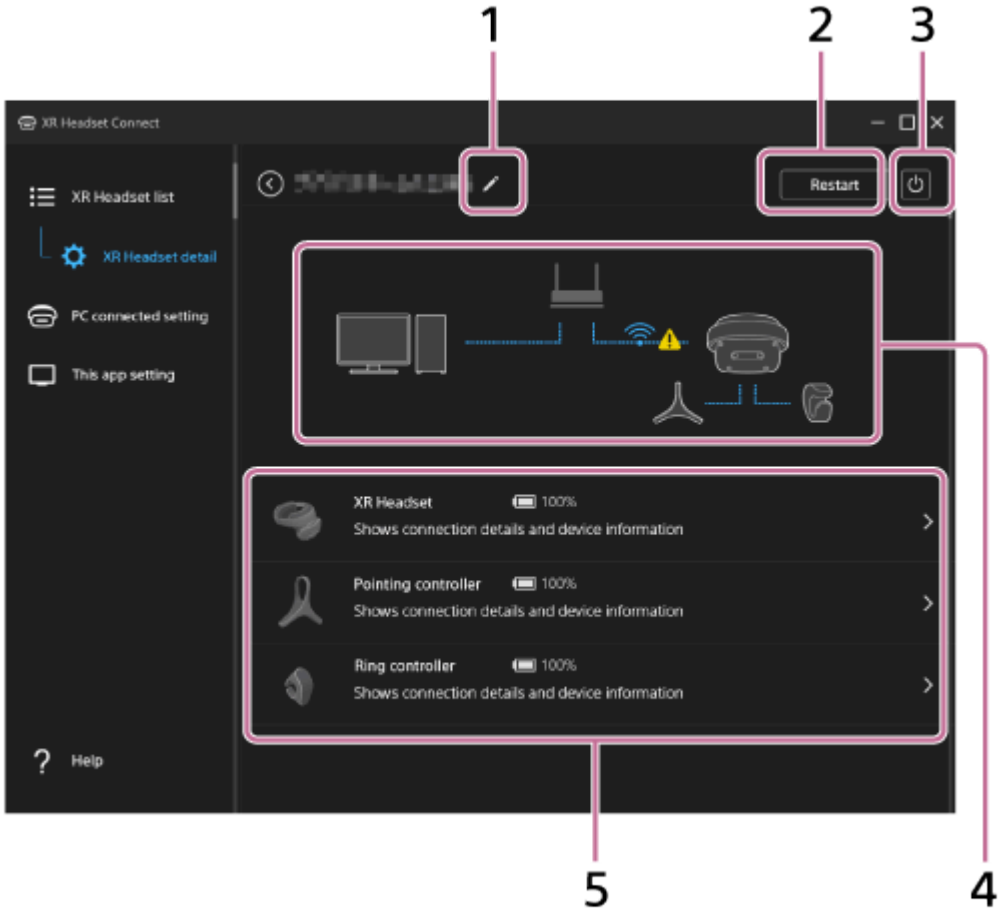
[XR Headset detail]

The following describes the [XR Headset detail] menu of the “XR Headset Connect” app.
Through the [XR Headset detail] menu, you can view the states of the connections between the XR Headset and each of the controllers as well as between the XR Headset and your computer, and more.



1. (Edit)
   You can change the nickname of the XR Headset (only while the connection is established between the XR Headset and your computer).

2. Restart
   You can restart the XR Headset.

3. (Power)
   You can turn off the XR Headset.

4. Indications of the states of the connections between the XR Headset and the controllers/computer
   The states of the connections between the XR Headset and each of the controllers as well as between the XR Headset and your computer are individually indicated.

   - XR Headset and Controllers
     The states of the connections between the XR Headset and the controllers are indicated.

   - XR Headset and Computer

While a connection is established between the XR Headset and your computer, the communication signal strength is indicated.

5. Information about the states of the XR Headset and the controllers
   The power charging states and the remaining battery power of the XR Headset and the controllers are displayed.
   Selecting the XR Headset or either one of the controllers displays its detailed information.
   The following describes the items that are displayed.

   - XR Headset
     The state of the connection between the XR Headset and your computer is displayed.
     Displayed under [Detailed information] is the detailed information about the XR Headset, including the serial number and the firmware version.

   - Pointing controller/Ring controller
     The state of the connection between the XR Headset and the Pointing controller/Ring controller is displayed.
     Displayed under [Detailed information] is the detailed information about the Pointing controller/Ring controller, including the serial number and the firmware version.

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[PC connected setting]

The following describes the [PC connected setting] menu of the “XR Headset Connect” app.
Through the [PC connected setting] menu, you can specify the audio and graphics settings for the XR Headset that is connected with your computer.

The following describes the main setting items.

[Audio setting] tab

You can make settings for the speaker(s) and microphone to use with your computer.

[Graphic setting] tab

You can make adjustments to your computer performance by changing the graphics settings.

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[This app setting]

The following describes the [This app setting] menu of the “XR Headset Connect” app.
Through the [This app setting] menu, you can check for available updates to the “XR Headset Connect” app or view the third-party license.

The following describes the main setting items.

[General] tab

- Version
  The software version of the “XR Headset Connect” app is displayed.
  To check for available updates, select [Update]. (You will be redirected to the external website.)

- OpenXR Runtime
  The current runtime name is displayed.
  To use the XR Headset, activate the XR Headset Connect Runtime.
  When any OpenXR runtime other than the XR Headset Connect Runtime is activated, select [Runtime change] to change the runtime.

  Hint

  - When any OpenXR runtime other than the XR Headset Connect Runtime is activated, a notification appears at the top of the “XR Headset Connect” app window.

  What is OpenXR?
  OpenXR is a consolidated, yet royalty-free, open standard that provides high-performance access to AR (augmented reality), VR (virtual reality), and MR (mixed reality) platforms and devices.

- Activation Code
  You can view the activation code to enter in the course of making the initial settings.

- Language
  You can specify the language to use.

- Auto startup
  While this option is activated, starting your computer subsequently launches the “XR Headset Connect” app.

- Confirm when connecting to a XR Headset
  While this option is activated, the message asking for a permission appears when a connection is established between the XR Headset and your computer.

[Communication Setting] tab

- Address information
  The IP address of your computer is displayed.

- Pairing port information
  You can view and edit the port number for the computer to use for paring with the XR Headset.
  This port number must be identical to the one specified for the XR Headset.
  For the instructions on how to view the pot number specified on the XR Headset, see “[PC connected setting].”

- Remote rendering port information

You can view and change the communication port information necessary for image and audio rendering on your computer.

[About] tab

You can view the third-party license.

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[Help]

The following describes the [Help] menu of the “XR Headset Connect” app.
Through the [Help] menu, you can view the following information.

- Help Guide
  This Help Guide opens.
- FAQ
  The website opens, showing frequently asked questions and answers.
- Contact us
  The website opens, showing the contact information.

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Precautions for use

Please read this Help Guide and, especially, the “Reference Guide” provided separately for your safety in using the XR Head-Mounted Display. After reading the “Reference Guide,” be sure to keep it at hand for reference.

Intended age range of users

The intended age range for using the XR Head-Mounted Display is 13 years old and above. Do not let children under age of 13 use the XR Head-Mounted Display.

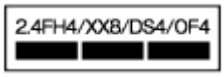
Safety regulations

USB AC adaptor and USB cable

- Use a commercially available USB AC adaptor that provides 9 V/3 A output and complies with the USB PD-PPS standard.
- Use the supplied USB cable.

Frequency band

The Bluetooth and wireless LAN features of the XR Head-Mounted Display use the following frequency band.



2.4： Indicates that the wireless facility uses the 2 400 MHz band.
FH/XX/DS/OF: Indicates the modulation method is FH-SS, method other than the stated here, DS-SS, or OFDM.
4: Indicates that the expected interfering distance is 40 m or less.
8: Indicates that the expected interfering distance is 80 m or less.
▬ ▬ ▬: Indicates that the full band between 2 400 MHz and 2 483.5 MHz is used and the band of the mobile identification devices can be avoided.
The available channels vary depending on the country or region.
About the use of the Bluetooth and wireless features in the aircraft, ask the airline company in advance.

Precautions about the use of the Bluetooth devices

- The frequency band used by the XR Head-Mounted Display is also used by household electric appliances (such as a microwave oven) and industrial, scientific, and medical equipment, as well as by campus radio stations for mobile identification that are used, for example, at factory production lines and require a license, specified low power radio stations that require no license, and amateur radio stations (hereinafter referred to as “other radio stations”).
  - Before using the XR Head-Mounted Display, make sure that there are no “other radio stations” in operation nearby.
  - If radio interference occurs between the XR Head-Mounted Display and “other radio stations,” immediately change the location of the XR Head-Mounted Display in use or turn off the XR Head-Mounted Display to avoid radio interference.
  - If you have any issues or questions, contact our customer support center.
- In some countries or regions, the use of the Bluetooth feature may be restricted. To use the Bluetooth feature overseas, please check the terms and conditions, including the laws and regulations of your destination country or region, in advance.

Guidance about the use of the wireless LAN (WLAN)

- The wireless LAN (WLAN) provides exchange of information through radio waves, thus has an advantage that it can freely be connected within the radio coverage range. On the other hand, without security measures, it has the risk of communication interception or unauthorized access by a malicious third party. It is advised that you should take security measures on your own judgement and responsibilities before using the wireless LAN feature.

- About the use of the wireless LAN feature
  Do not use the wireless LAN feature in the vicinity of a source of magnetic energy or electromagnetic waves, such as an electric appliance, AV equipment, or OA equipment. Otherwise:

  - The magnetic energy or electric noise may increase the volume of noises or may disturb radio communications. (Especially in the vicinity of a microwave oven that is being used, it is likely that there is a consequence.)

  - The nearby TV or radio may experience a reception failure or the TV screen may flicker.

  - When multiple wireless LAN access points that use the same channel are nearby, no proper search may be possible.

- In some countries or regions, the use of the wireless LAN feature may be restricted. To use the wireless LAN feature overseas, please check the terms and conditions, including the laws and regulations of your destination country or region, in advance.

2.4 GHz機器使用上の注意事項

WLAN搭載機器の使用周波数帯では、電子レンジなどの家電製品や産業・科学・医療用機器のほか工場の製造ラインなどで使用されている移動体識別用の構内無線局（免許を要する無線局）および特定小電力無線局（免許を要しない無線局）ならびにアマチュア無線局（免許を要する無線局）が運用されています。

- 本製品を使用する前に、近くで移動体識別用の構内無線局および特定小電力無線局ならびにアマチュア無線局が運用されていないことを確認してください。

- 万一、本製品から移動体識別用の構内無線局に対して有害な電波干渉の事例が発生した場合には、速やかに使用周波数を変更するかご利用を中断していただいた上で、カスタマーサポートまでお問い合わせいただき、混信回避のための処置など（例えば、パーティションの設置など）についてご相談ください。

- その他、本製品から移動体識別用の特定小電力無線局あるいはアマチュア無線局に対して電波干渉の事例が発生した場合など何かお困りのことが起きたときは、カスタマーサポートまでお問い合わせください。

5 GHz機器使用上の注意事項

本製品は、5 GHzの周波数帯において、5.2 GHz帯（W52）、5.3 GHz帯（W53）、5.6 GHz帯（W56）の3種類の帯域を使用できます。

- 5.2 GHz帯（W52／36、40、44、48ch）

- 5.3 GHz帯（W53／52、56、60、64ch）

- 5.6 GHz帯（W56／100、104、108、112、116、120、124、128、132、136、140、144ch）

5.2/5.3 GHz帯無線LANの屋外利用は法律で禁止されています（5.2 GHz帯高出力データ通信システムのアクセスポイント／中継局と通信する場合を除く）。

6 GHz機器使用上の注意事項

LPIモードで動作する6 GHz帯無線LANの屋外利用は法律で禁止されています。

Usage warning

- **The XR Head-Mounted Display should not be used by children under age of 13.**

- **The XR Head-Mounted Display should not be used outdoors.**

- **The following persons must consult with their doctors before using the XR Head-Mounted Display.**
  For pregnant women, elderly persons, persons diagnosed with binocular visual dysfunction, and persons with mental or cardiac problems, prior medical consultation is required.

- **During the use of the XR Head-Mounted Display, breaks must be taken at appropriate intervals.**
  When something does not feel right while using the XR Head-Mounted Display, take off the XR Head-Mounted Display and terminate its use, and then wait until the symptoms subsides before resuming the use of the XR Head-Mounted Display. After feeling comfortable with using the XR Head-Mounted Display, it is still required for you to take a break, for example, every 60 minutes.

Precautions for wellness

About seizures induced by light stimuli

- **Persons with experiences of the following symptoms must consult with their doctors in advance.**
  Symptoms (photosensitive seizures), including eye pain, defective vision, migraine, spasm, and unconsciousness (for example, a blackout), may be induced by light stimuli, including a blinking screen, on rare occasions.

When using the wireless communication features:

- **Keep the XR Head-Mounted Display away from medical equipment.**
  When using the wireless communication features, make sure that the XR Head-Mounted Display is at least 15 cm away from the implanted cardiac pacemaker. Otherwise, radio waves of wireless communication may interfere with the operation of the cardiac pacemaker.

- **Do not use the wireless communication features in a location where the use of wireless communication is prohibited, for example, in a hospital as well as in the vicinity of electronic equipment*.**
  Otherwise, radio waves interfere with electronic equipment* and could cause a malfunction of the equipment, resulting in an accident.

  * Medical electronic equipment including cardiac pacemakers, fire alarms, automatic control equipment including automatic doors, and others

About the magnets inside

- **Since the XR Head-Mounted Display contains magnets inside, keep the XR Head-Mounted Display away from medical equipment, including cardiac pacemakers and pressure-adjustable shunt valves for hydrocephalus.**
  The XR Head-Mounted Display (including the supplied items) contains magnets inside and may interfere with the operation of medical equipment, including cardiac pacemakers and pressure-adjustable shunt valves for hydrocephalus. Keep the XR Head-Mounted Display away from a person with such equipment implanted. In addition, those who have such equipment implanted should consult with their doctors before using the XR Head-Mounted Display.

About the vibration feature

- **If you are in the following conditions, you should not use the vibration feature of the Pointing controller.**

  - You have medical equipment, such as a cardiac pacemaker or a pressure-adjustable shunt valve for hydrocephalus, implanted.
  - You have a medical condition or symptom that may be worsened by vibration stimuli.
  - You feel discomfort due to vibration or feel strange in your hands.

  The vibration feature can be activated or deactivated through [Setting] - [Controller] - [Pointing controller] - [Vibration level] selected from the Dock on the HOME screen of the XR Headset monitor.

Precautions for using the XR Head-Mounted Display

Occasions requiring immediate termination of use

- **When you feel one of the following symptoms, immediately terminate the use of the XR Head-Mounted Display.**

If the symptom does not subside after the use of the XR Head-Mounted Display is terminated, seek medical attention.

  - Symptoms described in “About Seizures induced by light stimuli”
  - Symptoms concerning vision, including double vision
  - Headache, dizziness, nausea, fatigue, blurred vision, a symptom similar to carsickness
  - Discomfort or pain in part of your body, including head, eye, ear, hand, arm, and leg
  - Pain, stiffness, and numbness in muscles, joints, neck, wrists, skin
- When you are tired, sick, or short of sleep, you should not use the XR Head-Mounted Display.
- It may take a while for you to become accustomed to seeing images on the XR Headset monitor. It is advised that you should use the XR Headset for a short period of time at first, then gradually increase the time period.
- For your wellness, take a sufficient break on a regular basis. Since the adequate length of a break and the adequate frequency of taking a break vary on an individual basis, take a break on your own judgement.
- When you feel discomfort after using the XR Head-Mounted Display, take a sufficient rest. This discomfort feeling may grow stronger over time. Rest until the symptom subsides and refrain from using a means of public transportation, driving a car or a bicycle, operating heavy machinery, or handling hazardous substances.

Observe the following as well.

- **If the XR Head-Mounted Display disagrees with your skin, immediately terminate its use.**
  If the symptom does not subside after the termination, seek medical attention.
- **When using the XR Head-Mounted Display, watch out for the audio volume.**
  - Keep listening at a loud volume for an extended period of time may harm your hearing.
  - If the audio level is turned up too much to begin with, a blast of sound may harm your hearing.
- **Protect against infection.**
  To avoid making other people infected, do not let the XR Head-Mounted Display shared with anyone who might have a symptom of infection, a contagious disease, or other diseases (especially an eye trouble, such as conjunctivitis, or a skin or scalp trouble).
- **Protect against low-temperature burns.**
  While using the Charging dock and the USB AC adaptor, do not keep your skin in contact with either of them for an extended period of time to prevent possible low-temperature burns.
- **Adjust the lens spacing.**
  The use of the XR Head-Mounted Display with the lens spacing unadjusted may induce a symptom, such as nausea or eye fatigue. Before using the XR Head-Mounted Display, be sure to adjust the lens spacing. When multiple users take turns to use the XR Head-Mounted Display, adjust the lens spacing in each turn.

General precautions about the XR Head-Mounted Display

When you find a fluid leaking from the built-in battery of the controller:

- **Avoid touching a fluid with bare hands.**
  - When you find a fluid leak, immediately terminate the use of the controller and contact our customer support center for consultation.
  - When a fluid gets into your eyes, immediately rinse your eyes with clean water and seek medical attention. The fluid in your eyes could cause blindness.

- When a fluid gets on your clothing, immediately wash off the fluid with clean water. If you find a burn or an injury on your skin, consult with your doctor.

- **Take the controller away from any fire source.**
  Otherwise, the leaked fluid or the evaporated fumes may catch fire and could cause the controller to ignite or burst.

Using/moving/placing

- **Do not attempt to disassemble or modify.**
  Otherwise, there is a risk of a fire, an electric shock, or an injury.

- **Prevent ingress of water or foreign matter to the interior (through ports and vents).**
  Otherwise, there is a risk of a fire, an electric shock, or a malfunction.

- **Do not plug to any terminal or port that is covered with dust or foreign matter.**
  Otherwise, there is a risk of a fire or an electric shock.

- **Do not let the cables damaged.**
  When handling the cables, observe the following. Otherwise, there is a risk of damage to the cables or deformation of the cables that could result in a fire or an electric shock. Do not use any damaged or disformed cables.

  - Do not attempt to modify or heat the cables.

  - Keep the cables away from heating appliances.

  - Do not let the cables caught in a gap, for example, between the wall and a rack.

  - Avoid applying excessive force to the cables, for example, by putting an object on the cables or tugging or bending the cables.

  - Unplug the cables before moving the XR Head-Mounted Display.

- **Give some thought to where to place the XR Head-Mounted Display.**
  Avoid the following locations for using or storing the XR Head-Mounted Display or for considering as a destination to move the XR Head-Mounted Display.
  Otherwise, there is a risk of a fire, an electric shock, an injury, or a malfunction of the XR Head-Mounted Display.

  - Location exposed to oil fumes or steam

  - Location with extreme humidity or filled with dust or cigarette smoke

  - Location closed to a heating appliance, exposed to direct sunlight, or filled with hot air

  - Unstable location, such as on a wobbling table

- **Keep the XR Head-Mounted Display out of reach of small children.**
  Otherwise, there is a chance that they swallow a small component by accident, tug the USB cable to make the XR Headset, the controllers, and the Charging dock fall from where they are, or wind the USB cable around the neck, which all could cause an accident, an injury, or a malfunction of the XR Head-Mounted Display.

When using the XR Headset:

- **Since wearing the XR Headset makes you oblivious to your surroundings as well as what is happening around you, keep the following in mind.**
  You may bump into an obstacle, such as a person, a wall, a piece of furniture, or an object, step on something, or lose your balance and fall, which all could cause an accident, an injury, or a malfunction of the XR Headset.

  - Before wearing the XR Headset, make sure that there are no obstacles in and around the Work area, the floor is flat and solid, and nobody is in the Work area, and then secure a sufficient space for your work.

- Since the Work area feature does not help you identify exactly everything in the whole real space, avoid defining the Work area that is too close to the wall or furniture.
- While using the XR Headset, ensure your safety in the Work area. Especially when you have small children or pets, make sure that they stay out of the Work area.
- When you are caught in the coiled USB cable, uncoil the cable first and then resume the use of the XR Headset.
- While using the XR Headset, be careful with what you do. Avoid making broad movements. For example, do not move your head, arms, or body to the full extent, nor do move around in haste.

- **While seeing your surroundings through the See through view of the XR Headset, make slow, careful movements.**
  Through the See through view, your vision is narrowed and the spatial depth appears different. This could yield a chance that you bump into an obstacle, such as a person, a wall, a piece of furniture, or an object, step on something, or lose your balance and fall, which all could cause an accident, an injury, or a malfunction of the XR Headset. Be sure to watch out for your surroundings, and then make slow, careful movements.
  In addition, when you happen to see the sun or bright outdoor scenes through the See through view while using the XR Headset, the exposure adjustment feature may work to darken the screen and your vision could suddenly deteriorate. Use the XR Headset in the environment with no bright outdoor lights coming in, for example, in a room with all the curtains drawn shut.

When using the controllers:

- **While using the controllers, take care not to let the controllers hit against another person or an object.**
  Letting the controllers hit against a person or an object could cause an accident, an injury, or a malfunction of the controllers. When using the controllers, observe the following.
  - Before using the controllers, make sure that you have a sufficient surrounding space secured for your work.
  - To prevent the controllers from slipping off your hands, securely wear the controllers and avoid shaking your hands violently.
  - If feel pain or discomfort in your finger after long hours of wearing the Ring controller, terminate the use of the Ring controller.

Observe the following as well.

- **Do not swing around the XR Head-Mounted Display.**
  Otherwise, there is a risk of an injury or a malfunction of the XR Head-Mounted Display.
- **Do not let a strong impact applied to the XR Head-Mounted Display, for example, do not place an object on the XR Head-Mounted Display or throw or drop the XR Head-Mounted Display nor do stomp on the XR Head-Mounted Display.**
  Otherwise, there is a risk of an injury or a malfunction of the XR Head-Mounted Display.
- **Do not leave the XR Head-Mounted Display on the floor.**
  Otherwise, there is a risk of an injury or a malfunction of the XR Head-Mounted Display.
- **Do not see the sun while wearing the XR Headset.**
  Otherwise, there is a risk of damaging the RGB image sensor, resulting in a malfunction of the XR Headset.
- **Give some thought to how you dispose of the XR Head-Mounted Display that is no longer necessary.**
  Since the XR Head-Mounted Display is made of metal and plastic, it is dangerous to burn the XR Head-Mounted Display. When disposing of the XR Head-Mounted Display, follow the instructions from your local government.

Precautions about heat buildup in the XR Headset

- While in use, the XR Headset surfaces and the Charging dock may become hot to touch. Although the XR Headset and the Charging dock may become hot to touch while the XR Headset is in use or power charging is in progress, there is no problem as far as the operation is concerned.

- If the temperature inside the XR Headset significantly rises, the XR Headset may be forced to shut down for the sake of safety. In such a case, wait until the XR Headset cools down, and then use it in a cool location.
- When the warm air is coming out of the fans and vents of the XR Headset, keep your hands away.
- When the XR Headset or the Charging dock becomes abnormally hotter to touch than usual, its malfunction is suggested. Turn off the XR Headset or the Charging dock and unplug the USB AC adaptor from the power outlet to terminate the use of the XR Headset or the Charging dock, and then contact our customer support center.

Precautions about water/dust resistance performance

The XR Head-Mounted Display is not water resistant nor is dust resistant. Negligence of the following could cause an electric short circuit or corrosion, resulting in the inability of the XR Head-Mounted Display.

- Avoid ingress of water to the interior.
- Do not use the XR Head-Mounted Display in a damp location, such as a location exposed to water splash, or in a location filled with dust, oil fumes, or steam.
- Prevent the XR Head-Mounted Display from coming in contact with the sweaty skin or clothing.
- Keep your wet hands away from the XR Head-Mounted Display.

Precautions about the display

- The XR Headset employs a 4K OLED microdisplay. Keeping the same image on the display for an extended period of time may leave an afterimage, yet this does not indicate a malfunction of the display. To prevent an afterimage from being left on the display, do not keep the same image on the display for an extended period of time.
- Increasing the brightness of the display more than necessary or using the display for an extremely extended period of time may cause a decrease in brightness at some areas on the display or discoloration of the areas. In addition, unevenness of color tones or brightness or some change in colors may be noticed depending on the direction from which you are looking at the display. These are attributes to the structural characteristics of the 4K OLED microdisplay and do not indicate a malfunction of the display.

Precautions about the lenses

- Do not let a strong impact or an excessive force applied to the lenses. Chipping or breaking of the lens could cause an injury. If the lens chips or breaks, you are advised to immediately terminate the use of the XR Headset and keep your hands away from the damaged lens.
- Do not let the lenses exposed to the direct sunlight. The direct sunlight may cause damage to the XR Headset that contains optical components and a display, resulting in deterioration of the XR Headset.

Additional information

The services and features described in the operation manuals may not be available or require additional charges depending on the country or region or on the version of your software.
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Customer support

Visit the website at: https://support.sw.siemens.com/

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Maintenance

When you find the XR Headset rather soiled, clean the XR Headset. To ensure your safety while cleaning, turn off the XR Headset and unplug all the cables from the XR Headset as well as the Charging dock.
To avoid alteration and discoloration of the XR Headset surfaces, observe the following:

- Wipe clean with a dry, soft cloth.
- Do not spray any volatile agent, such as a pesticide, over the XR Headset.
- Do not leave any rubber or vinyl product in contact with the XR Headset for an extended period of time.
- Do not use a solvent such as a paint thinner or a product containing benzene or alcohol for cleaning. Nor do wipe the XR Headset with a chemical cloth.

Light shields

See "Interchanging the Light shields (supplied)" and remove the Light shield from the XR Headset, and then wipe clean with a dry, soft cloth.

Lenses

- Avoid directly touching the lens surface and protect it against soiling and scratching while using the XR Headset.
- When the lens surface appears soiled, blow off dust with a blower, and then gently wipe off the soil with a soft, clean cloth that is made exclusively for lenses. (Use of a cleaning cloth is recommended.)
  Do not use any paper product, such as a power towel or a paper tissue, that is not made exclusively for lenses. Be aware that rubbing the lens surface with force or wiping it with a hard or dusty cloth causes scratches on the lens surface.
- For the soil that is hard to remove, you can use a cleaning cloth that is wet with a small amount of water to wipe off. Use of a dirty cleaning cloth may result in the partially or unevenly cleaned lens surface. Depending on how you wipe with a cleaning cloth, the lens surface may be left partially or unevenly cleaned as well.
- Never use any organic solvent, such as a paint thinner or a product containing benzene.
- Do not let a strong impact or an excessive force applied to the lenses. Chipping or breaking of the lens causes a possible injury. If the lens chips or breaks, you are advised to stop using the XR Headset immediately and keep your hands away from the damaged lens.

Protecting the controllers and the Charging dock against malfunctions

- Use of the controllers and the Charging dock, which are wet with sweat or water, for power charging causes corrosion to the charging terminals and pins.
  When you are finished with using the controllers and the Charging dock as well as before you start power charging, be sure to completely wipe off the moisture from the controllers and the Charging dock, and then leave and let them dry at a normal temperature.
- In cold climates, droplets on the surface may freeze. When you are finished with using the controllers and the Charging dock, be sure to wipe off droplets from the controllers and the Charging dock.
- When the charging terminals on the controllers and the charging pins on the Charging dock appear soiled, wipe clean with a dry, soft cloth.

- Make sure that none of the pockets of your clothing contains the controllers before laundry.
- Do not let the controller drop off, nor do let a physical impact applied to the controller. Otherwise, deformation of the controller or damage to the controller may be induced, resulting in degradation of its performance.
- When you find a crack on the controller surface or find the controller deformed, stop using the controller.

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Updating the Charging dock

When any update is found available for the firmware of the Charging dock, a notification appears on the XR Headset monitor. Follow these steps to apply the update.

1. **From the Dock on the HOME screen, select [Setting] - [System] - the [Software update] menu.**

2. **Select [Update] under [Charging dock update].**

3. **Follow the on-screen instructions on the XR Headset to apply the update to the firmware of the Charging dock.**

   You must interchange the Cable No.1 and the Cable No. 3 (both supplied). Follow the on-screen instructions on the XR Headset to proceed further operations.

Note

- Availability of updates for the Charging dock is determined after firmware updates for the XR Headset are applied.

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Specifications

XR Headset

Display
3 552 × 3 840 pixels (per eye)
Cameras
Front RGB camera × 2
Tracking camera × 4
Eye tracking IR camera × 2
Audio
Built-in microphone × 2
Speaker × 2
Bluetooth compatible earphone
Wireless connectivity
Wi-Fi 6E compatible
Bluetooth Ver. 5.2/BLE
Port
USB Type-C (USB 3.2 Gen. 1 compatible)
Battery
Built-in lithium-ion rechargeable battery
Up to XX hours of battery life (provided that XX)
Dimensions
XX mm × XX mm × XX mm (XX inch × XX inch × XX inch)
(Width × Length × Depth, excluding the most projecting part, including the Headband shortened to the maximum state)
Mass
770 g (xx oz) (Default configuration at shipment)
Operating temperatures
5 °C - 35 °C (41 °F - 95 °F)

Ring controller

Sensor
6-axis detection system
Battery
Built-in lithium-ion rechargeable battery
Up to XX hours of battery life (provided that XX)
Mass
XX g (XX oz)
Operating temperatures
5 °C - 35 °C (41 °F - 95 °F)

Pointing controller

Haptics
Haptic feedback compatible (vibration feedback)
Battery
Built-in lithium-ion rechargeable battery
Up to XX hours of battery life (provided that XX)
Mass
XX g (XX oz)

Operating temperatures
5 °C - 35 °C (41 °F - 95 °F)

Charging dock

Port
USB Type-C × 3
Rating
9 V 3 A
Mass
XX g (XX oz)
Operating temperatures
5 °C - 35 °C (41 °F - 95 °F)

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Power/power charging

The XR Headset or the controllers fail to turn on.

- When the XR Headset or the controllers fail to turn on, charge the XR Headset or the controllers.
  For the detailed instructions on how to charge the XR Headset and the controllers, see the pages listed below.
  - Charging the XR Headset/connecting the XR Headset with a computer
  - Charging the controllers
- When the above instructions do not help solving the issue, contact @@連絡先@@ and ask for repair or replacement of the XR Headset or the controllers.

Power charging fails.

- Use a commercially available USB AC adaptor that provides 9 V/3 A output and complies with the USB PD-PPS standard.
- Use the supplied USB cable.
- Make sure that the supplied cables (Cable No. 1, Cable No. 2, and Cable No. 3) are securely plugged to the power outlet, the Charging dock, and the XR Headset.

The XR Headset is connected with the computer by the USB cable but fails to charge itself.

- To use the XR Headset while charging the power, connect the XR Headset and the computer via the Charging dock that is plugged to a power outlet. For details, see “Charging the XR Headset/connecting the XR Headset with a computer.”

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Wearing the XR Headset

The Headband hinge comes in contact with the forehead, making the Headband feel tight.

- Pull down the rear unit side of the XR Headset, and then make an adjustment so that the Headband is tilted backward on your head at a well-balanced angle.

The vision seems narrow.

- Pull out the Display unit of the XR Headset to the maximum state, and then make an adjustment for a better view by pulling the Display unit closer to your face. For details, see “Wearing the XR Headset.”

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XR Headset monitor

The image of the nose appears in the vision.

- Adjust the lens spacing. For details, see “[Eye tracking].”

Images seem to appear dark.

- The XR Headset may not be properly worn on your head. Try the following adjustments.
  - Adjust the tilt angle of the Headband so that your eyes and the centers of the lenses are leveled, and then tighten and secure the Headband with the Headband adjustment dial. For details, see “Wearing the XR Headset.”
  - Adjust the lens spacing. For details, see “[Eye tracking].”
- Adjust the brightness level of the XR Headset monitor through the Quick settings panel. For details, see “Quick settings panel.”

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Pairing/connection between the XR Headset and the controllers

The connection with the Pointing controller is disconnected while the “Immersive Designer” app is in operation, leaving no way to bring back the HOME screen of the XR Headset monitor.

- Restart the XR Headset.
  Press and hold the Power button on the XR Headset until the power options appear on the XR Headset monitor. Bring the pointer to [Restart] with the movement of your head, which has the XR Headset on, and select it with the Volume +/– buttons on the XR Headset.

Attempts to establish connections with the controllers fail.

Try the following in sequence.

1. Press the MENU button on the Ring controller or the HOME button on the Pointing controller in the vicinity of the XR Headset to try establishing connections.
   When the XR Headset and the controller are located in great distance from each other, no connection with the controller can be established.

2. Sufficiently charge the controllers with the Charging dock.
   Power charging of the controllers may be insufficient. Upon completion of power charging, press the MENU button on the Ring controller or the HOME button on the Pointing controller in the vicinity of the XR Headset to try establishing connections.

3. When none of the above instructions helps establishing connections, unpair the XR Headset and the controllers, and then pair them together all over again.
   For details, see “Controllers.”
   If the Pointing controller fails and cannot be used, move the pointer with the movement of your head that has the XR Headset on.

4. When attempts to pair the controllers with the XR Headset fail, the controllers may be faulty.
   Purchase new controllers through @@新規購入のパス@@. Unpair the old controllers from the XR Headset. Then, pair the new controllers with the XR Headset. For details, see “Controllers.”
   If the Pointing controller fails and cannot be used, move the pointer with the movement of your head that has the XR Headset on.

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Pairing/connection between the XR Headset and the computer

Attempts to pair the XR Headset with a computer fail.

Try the following in sequence.

1. Check the firewall settings.
   The firewall may be blocking pairing attempts.
   Make the following open to the attempts.

   - Protocol: XXXX
   - Port: XXXX

   Depending on the security settings of the organization you work for, only the security department may have the privileges to change the settings.
   In such a case, request the security department of your organization to change the above settings.

2. Check the port settings.
   When the above instructions do not help solving the issue, the port on the computer may be used by another app.
   Follow the instructions in "Changing the port number" to specify the same number for the port numbers for the XR Headset and the computer, and try pairing all over again.

3. Try pairing by way of specifying the IP address.
   When none of the above instructions helps solving the issue, UDP broadcast may be disabled on the computer.

   - Find the IP address of the computer.
     You can find the IP address with the "XR Headset Connect" app. For details, see "[This app setting]."
   - Pair the XR Headset with the computer by way of specifying the IP address of the computer that you found.
     For details, see "[PC connection setting]."

Attempts to connect with the paired computer fail.

- Make sure that the "XR Headset Connect" app is up and running on the paired computer.
- When the XR Headset and the computer are paired via a wireless connection, they must be connected to the same network. Make sure that the XR Headset and the computer are connected to the same network. If pairing attempts fail even though they are connected to the same network, unpair the XR Headset and the computer, and then pair them together all over again. For details, see "[PC connection setting]."
- When the XR Headset and the computer are paired via a wired connection, the XR Headset and the computer must be connected via the Charging dock. In addition, the Charging dock must be plugged to a power outlet by the Cable No.1 (supplied). Make sure that the supplied cables (Cable No. 1, Cable No. 2, and Cable No. 3) are securely plugged to the power outlet, the Charging dock, the computer, and the XR Headset.
  If connection attempts still fail, unpair the XR Headset and the computer, and then pair them together all over again.
  For details, see "[PC connection setting]."
- The XR Headset may not be compatible with the version of the "XR Headset Connect." Update the XR Headset and the "XR Headset Connect" to the latest versions, and then try connecting all over again.
  For details about updating, see the individual pages listed below.

- XR Headset: [System]
- “XR Headset Connect” app: [This app setting]

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Internet connection

Connection attempts from the computer to the Internet fail.

When the Ethernet interface and the USB tethering interface interfere with each other, the network connection is disconnected.
In such a case, follow these steps to change the network interface metric.

1. Start the Windows PowerShell console with admin rights.
2. Obtain the list of network interfaces and find the Ethernet interface and the USB tethering interface.
   Find ifIndex for each interface as well.
3. Change the @Network Interface MetricInterface@ names for the Ethernet interface and the USB tethering interface.
   You can view the interface names with the “ipconfig” command.
4. Specify a smaller InterfaceMetric value for the Ethernet interface than for the USB tethering interface.
   When ifIndex for the Ethernet interface is 15, enter as follows.
   > Set-NetIPInterface-InterfaceIndex15 -InterfaceMetric1

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The XR Headset fails to operate properly

The XR Headset fails to operate, or the XR Headset monitor freezes.

- Force a shutdown of the XR Headset, and then turn the XR Headset back on. For details, see “Turning on/off the XR Headset.”

The XR Headset fails to turn on. (Error code of the XR Headset: G01-0005, G01-0006, G02-0002)

- It appears that the battery life of the XR Headset has expired. Contact @@連絡先@@ and ask for battery replacement.
- The battery of the XR Headset may have a failure. Contact @@連絡先@@ and ask for battery replacement.
- When the Status LED on the XR Headset @@発行パターンの記述@@, the Display unit of the XR Headset may have a failure. Contact @@連絡先@@ and ask for repair or replacement of the XR Headset.

The XR Headset fails to respond to the head movement. (Error code of the XR Headset: G02-0001)

- The tracking system for head movement may have a failure. Contact @@連絡先@@ and ask for repair or replacement of the XR Headset.

The XR Headset fails to respond to the head movement. (Error code of the XR Headset: G02-0003)

- The acceleration sensor may have a failure. Contact @@連絡先@@ and ask for repair or replacement of the XR Headset.

The XR Headset monitor fails to turn to the see through view. (Error code of the XR Headset: G02-0004）)

- The see through view camera may have a failure. Contact @@連絡先@@ and ask for repair or replacement of the XR Headset.

The lens adjustment sensor fails to operate. (Error code of the XR Headset: G02-0007)

- The lens adjustment sensor may have a failure. Contact @@連絡先@@ and ask for repair or replacement of the XR Headset.

The XR Headset operates stand-alone, but fails to operate properly when the app, which is integrated with the computer, is used.

- The port to use for communication between the XR Headset and the computer may already be used by another app on the computer. Change the port number for the computer with the “XR Headset Connect” app, and then try once again. For details, see “[This app setting].”

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The controllers fail to operate properly

The Wi-Fi controller cannot be used. (Error code of the XR Headset: G02-0009)

- The Wi-Fi controller may have a failure. Contact @@連絡先@@ and ask for repair or replacement of the controller.

The infrared LED is not working. (Error code of the XR Headset: G02-0010)

- The controller may have a failure. Contact @@連絡先@@ and ask for repair or replacement of the controller.

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Updating

The XR Headset fails to update itself. (Error code of the XR Headset: OTA-0004, OTA-0005, OTA-0006, OTA-0007, OTA-0008, OTA-0009)

- Download of updates failed. It is possible that the download failed due to unstable network connectivity. Check the network for connectivity, and then try once again.

The message notifying an update failure appears on the XR Headset monitor. (Error code of the XR Headset: OTA-0016)

- Installation of updates failed. Follow the on-screen instructions on the XR Headset to try installing updates once again.

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