



HUAWEI IdeaHub Board 3 Pro 24.1 Must-See Tips





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Whiteboard

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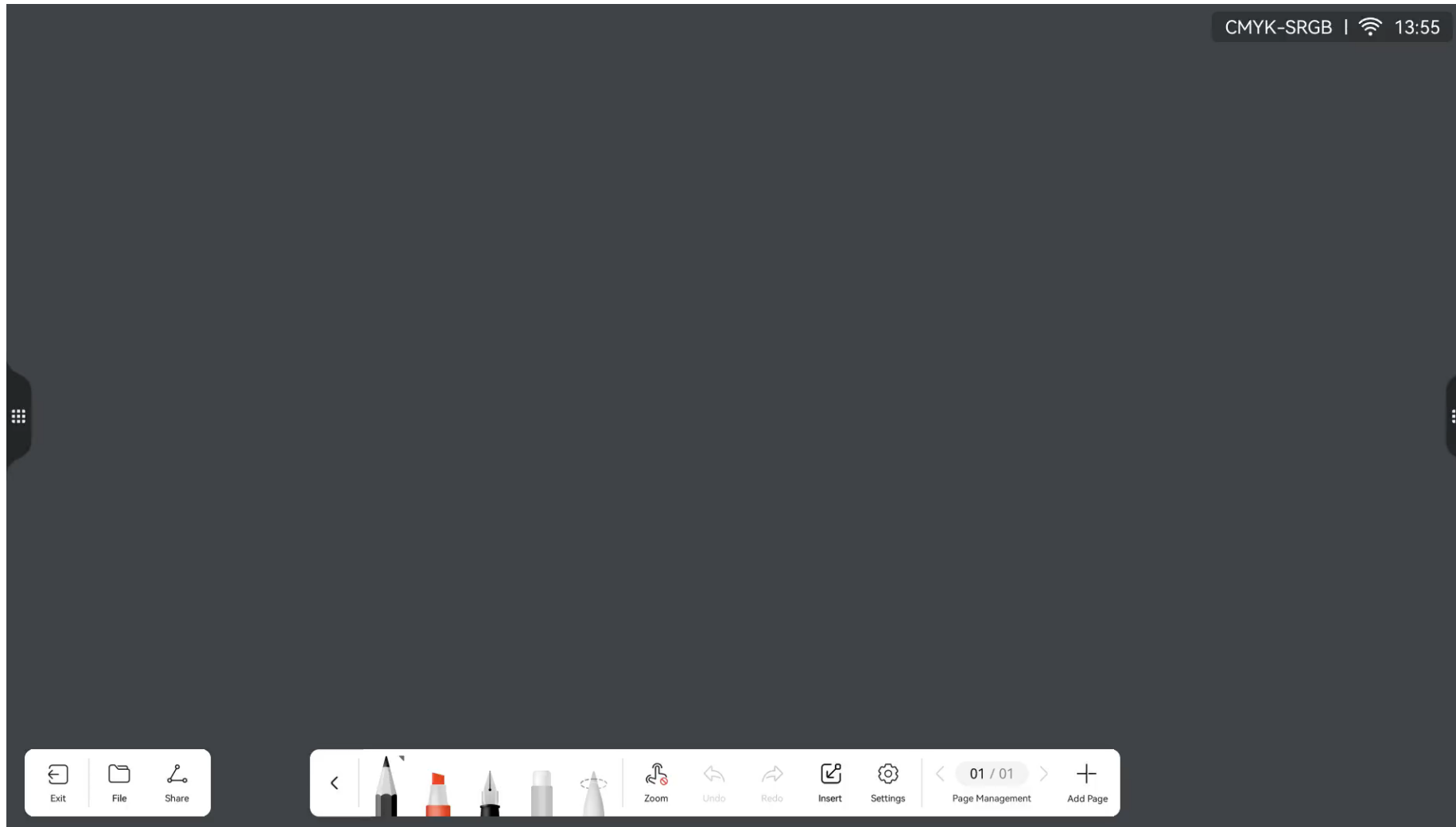
Open Whiteboard

You can create a whiteboard or open a historical whiteboard by scanning the QR code or locally.

Method

- Creating a Whiteboard: Tap the whiteboard icon on the home screen to create a whiteboard.
- Opening a Historical Whiteboard: In the lower left corner of the whiteboard, choose **File > Open > Local** or USB storage device, and select a whiteboard.
- Scanning the QR Code to Open a Whiteboard: In the lower left corner of the whiteboard, choose **File > Open > Scan**, and use the scanning function of a mapping mobile client to open the whiteboard file.

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Canvas & Pen

You can select different canvases and pens to write on the whiteboard.

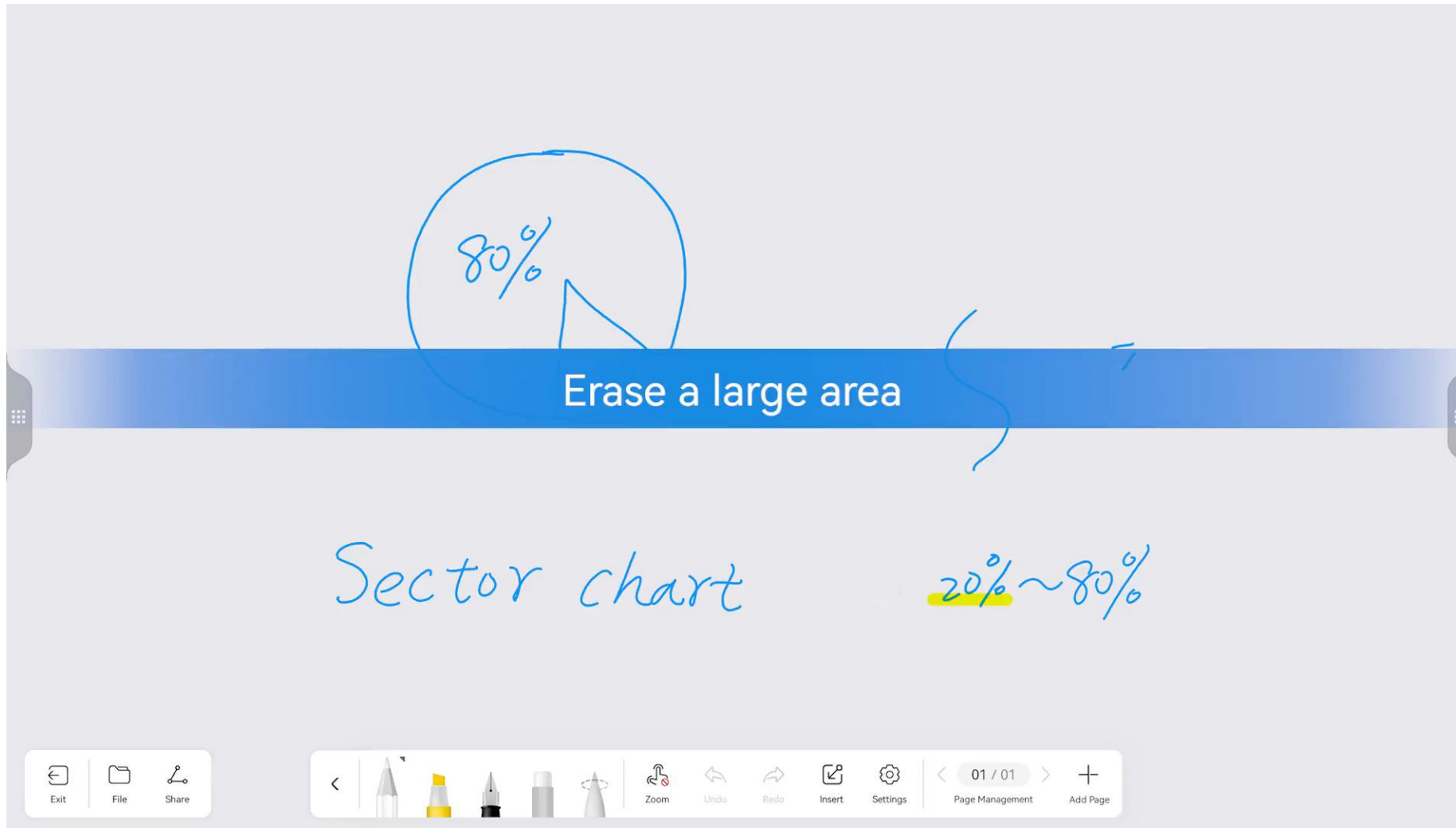
Method

- Setting the Canvas: Click **Settings** and select a whiteboard background.
- Setting the Pen: Tap the pen icon on the toolbar to set the pen type, color, and thickness.

Note

Pen types include **Pencil** , **Pen** , **Highlighter** , and **Smart Pen**  .

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Erase

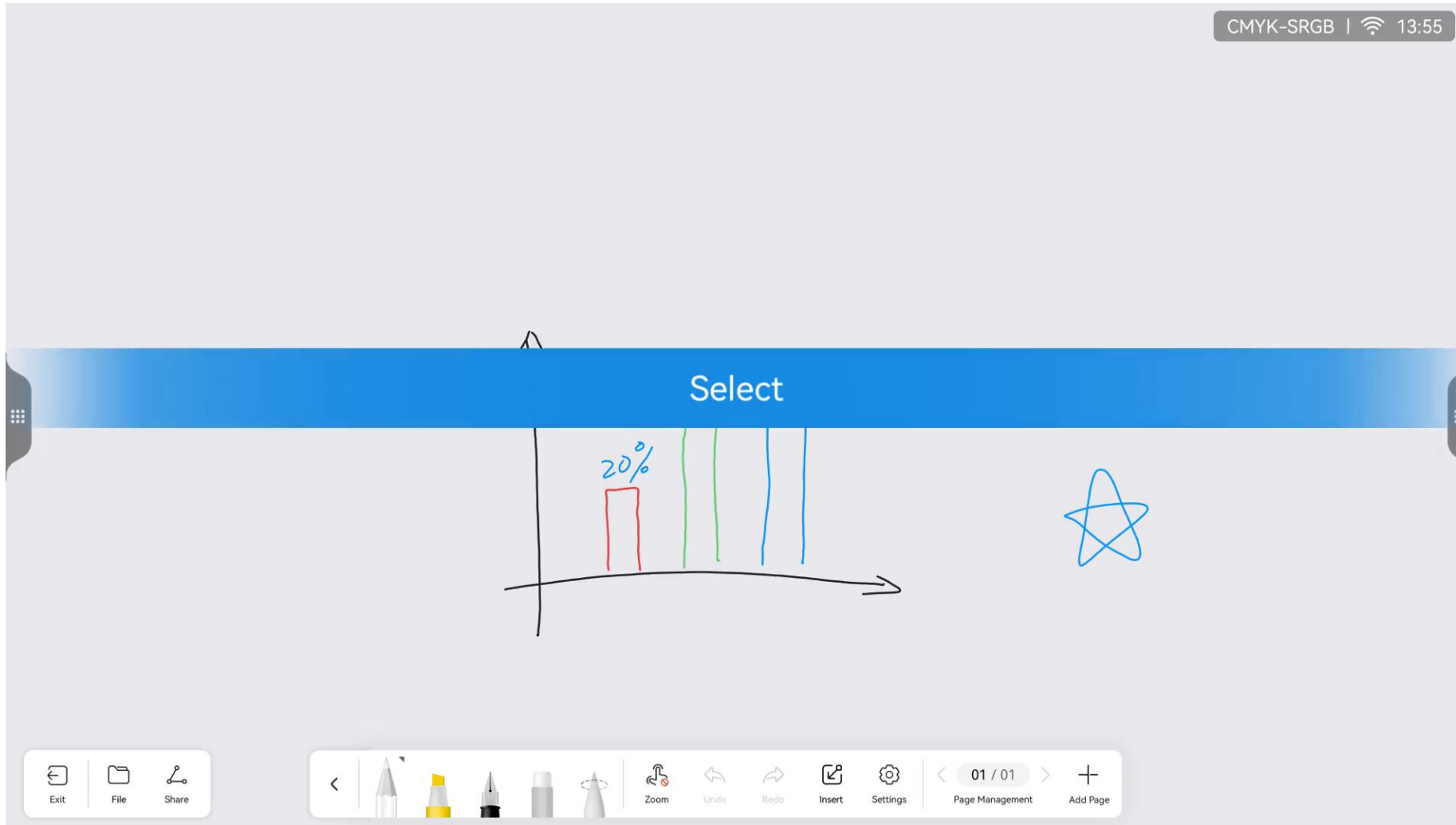
You can select different methods to erase certain content or clear all based on the size of the area to be erased.

Method

The erase methods are as follows:

- Expand your palm to erase content in a large area.
- Clench your fist to erase content in a small area.
- Tap eraser  and use your fingertip to erase content in a tiny area.
- Tap eraser  and select **Clear Page** to clear all content on the current page.

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Select & Zoom

You can circle an area of handwriting or graphics to move, zoom in/out, or delete it.

Method

Select: Tap  and circle an area to move, zoom in or out, copy or delete content or change the color in the area.

Zoom: The Zoom and Multi-Person Write icons are in the same position. When either is enabled, the function will be displayed at the bottom of the whiteboard.

Zoom  allows you to zoom in or out anywhere on the whiteboard, and Multi-Person Write  allows two or more people to write concurrently.

Tap  to switch to zoom, and vice versa.

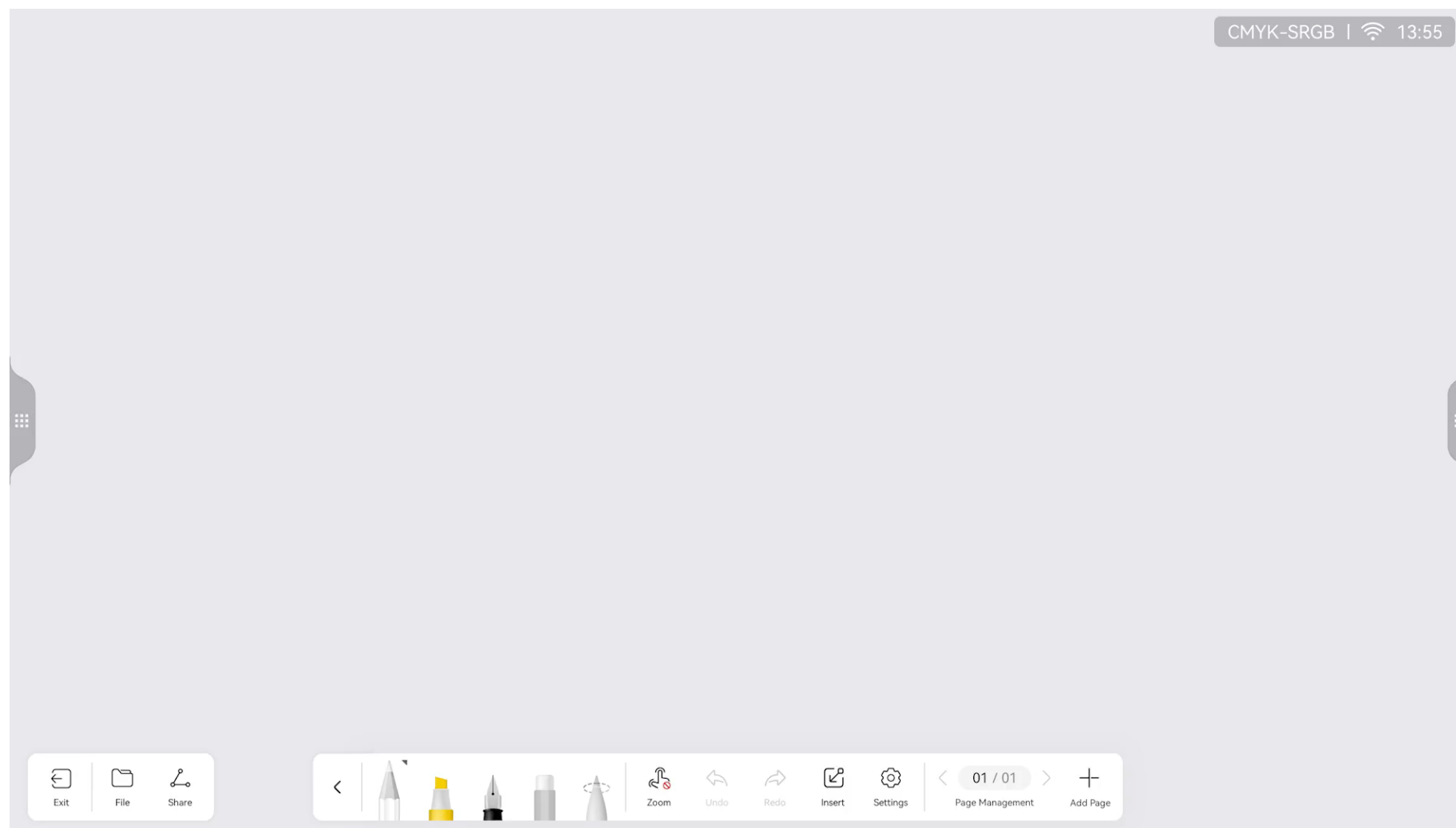
Canvas expansion: In zoom mode, the whiteboard supports unlimited canvas expansion. After a user writes or operates an element, the whiteboard automatically expands the canvas for unlimited creative space.

Note

In zoom mode, multi-person writing is not available.

The canvas can be expanded for multiple times. Each expansion is centered on the writing or operation element, and a screen size is expanded up, down, left, and right.

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Insert

You can insert shapes, images, and other objects from favorites on the whiteboard.



Method

Tap **Insert** on the whiteboard toolbar and choose:

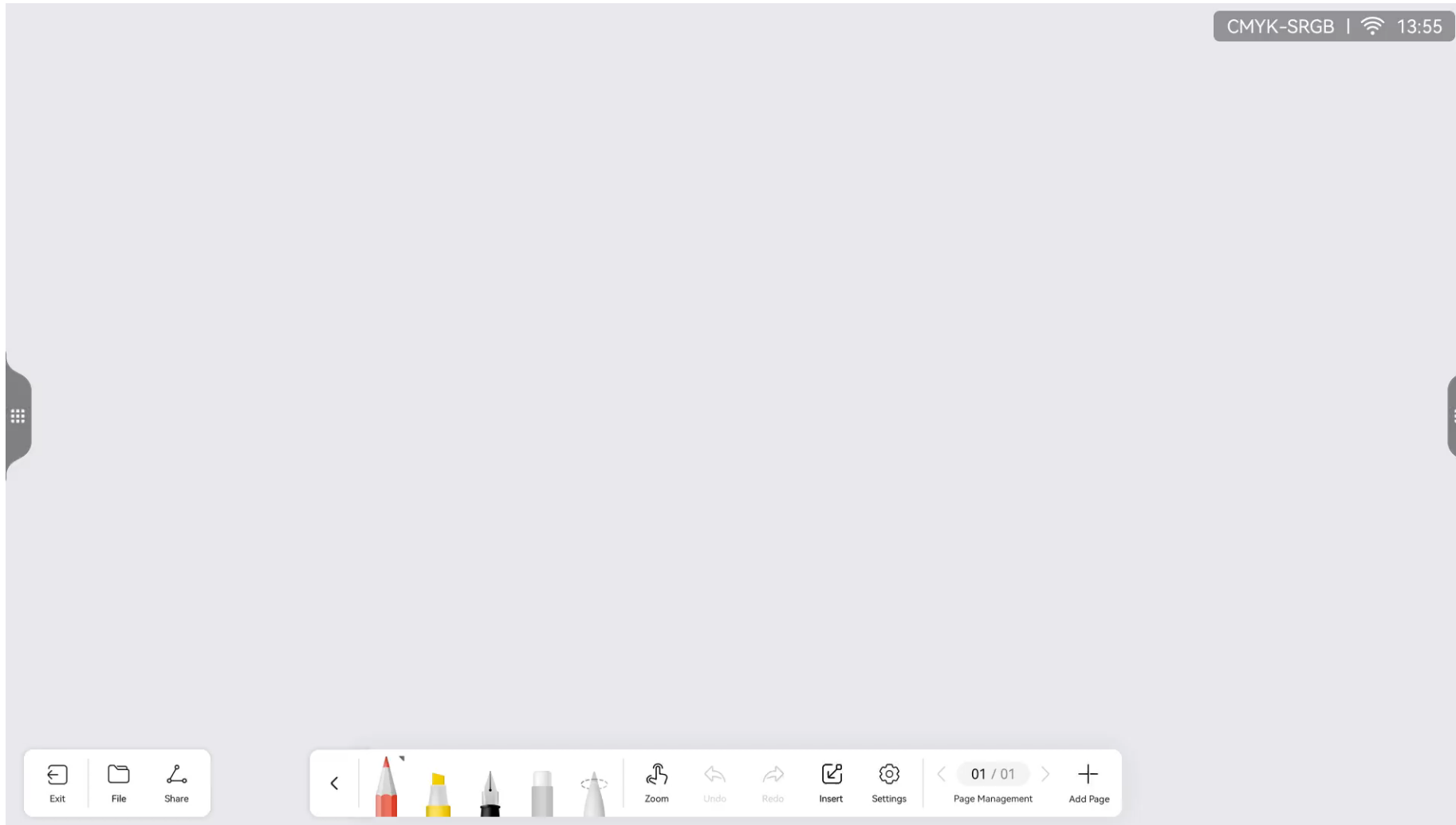
- **Shapes:** You can insert eight common shapes, such as square, triangle, and circle.
- **Images:** You can insert a local image and crop it as needed.
- **Favorites:** You can insert handwriting, shapes, or images from the favorites. You can also add handwriting, a shape, or an image to the favorites by one tap.
- **Intelligent Search:** You can use the Intelligent Search in the whiteboard and insert search results into the whiteboard.



Note

The large model is configured on the IdeaManager (cloud service). When the endpoint accesses the IdeaManager (cloud service) platform and the intelligent whiteboard search function is enabled, intelligent search can be used in the whiteboard app.

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Multi-Person Write

After **Multi-Person Write** is enabled, two or more people can write on the whiteboard at the same time.

Method

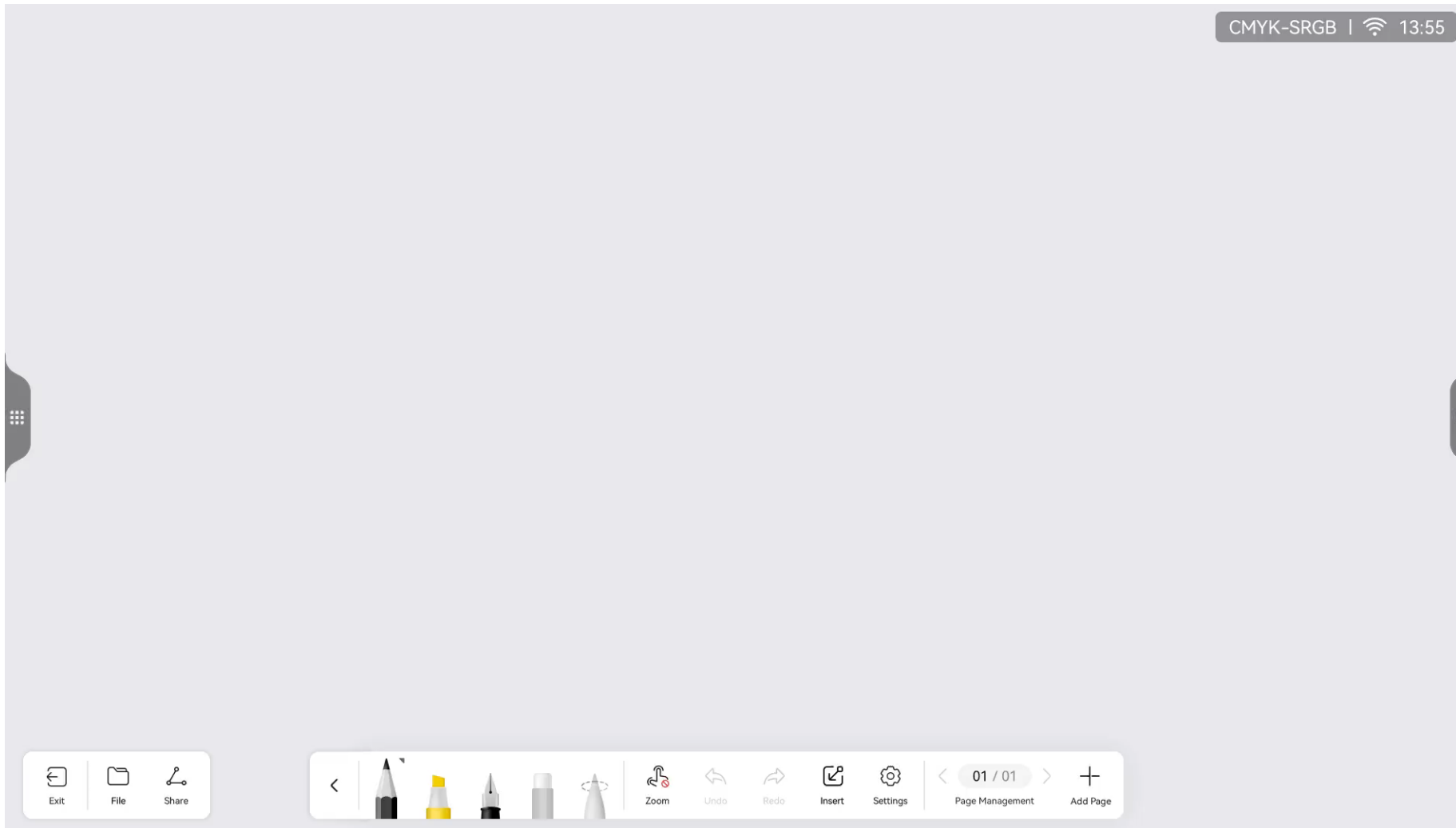
The Zoom and Multi-Person Write icons are in the same position. When either is enabled, the function will be displayed at the bottom of the whiteboard.

Zoom  allows you to zoom in or out anywhere on the whiteboard, and Multi-Person Write  allows two or more people to write concurrently. Tap  to switch to zoom, and vice versa.

Note

During multi-person writing, the page cannot be zoomed in or out.

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Smart Pen

After **Smart Pen** is enabled, text is converted into printed text and shapes into basic shapes. You can delete any content with gestures.

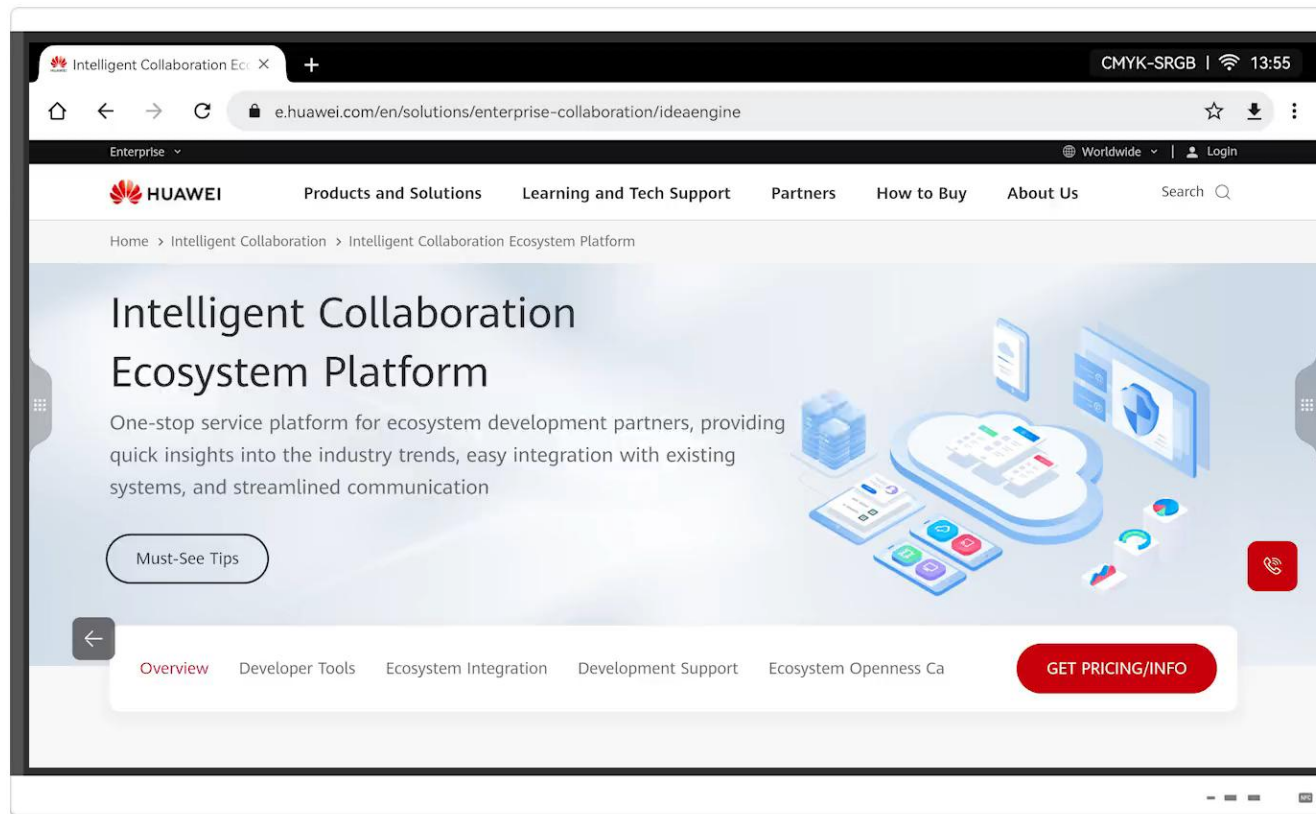
Method

1. Enabling **Smart Pen**: Tap **Settings** and enable **Smart Pen**.
2. Selecting **Smart Pen**: After **Smart Pen** is enabled, the smart pen is  by default, which can convert written text to printed text. You can also tap the **Smart Pen** icon and switch the pen to  so that shapes can be converted into basic shapes.
3. Gesture Deletion: Draw a straight line or wavy line through the text to delete it.

Note

- The supported shapes of **Smart Pen** include straight lines, arrows, circles, ellipses, squares, rectangles, and triangles.
- In **Smart Pen** mode, multi-person writing is unavailable.

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Global Annotation

When you use the annotation function of the large screen, the screenshot of the current page is added to the whiteboard and the whiteboard is automatically opened. You can customize annotations or save and take away the annotations.

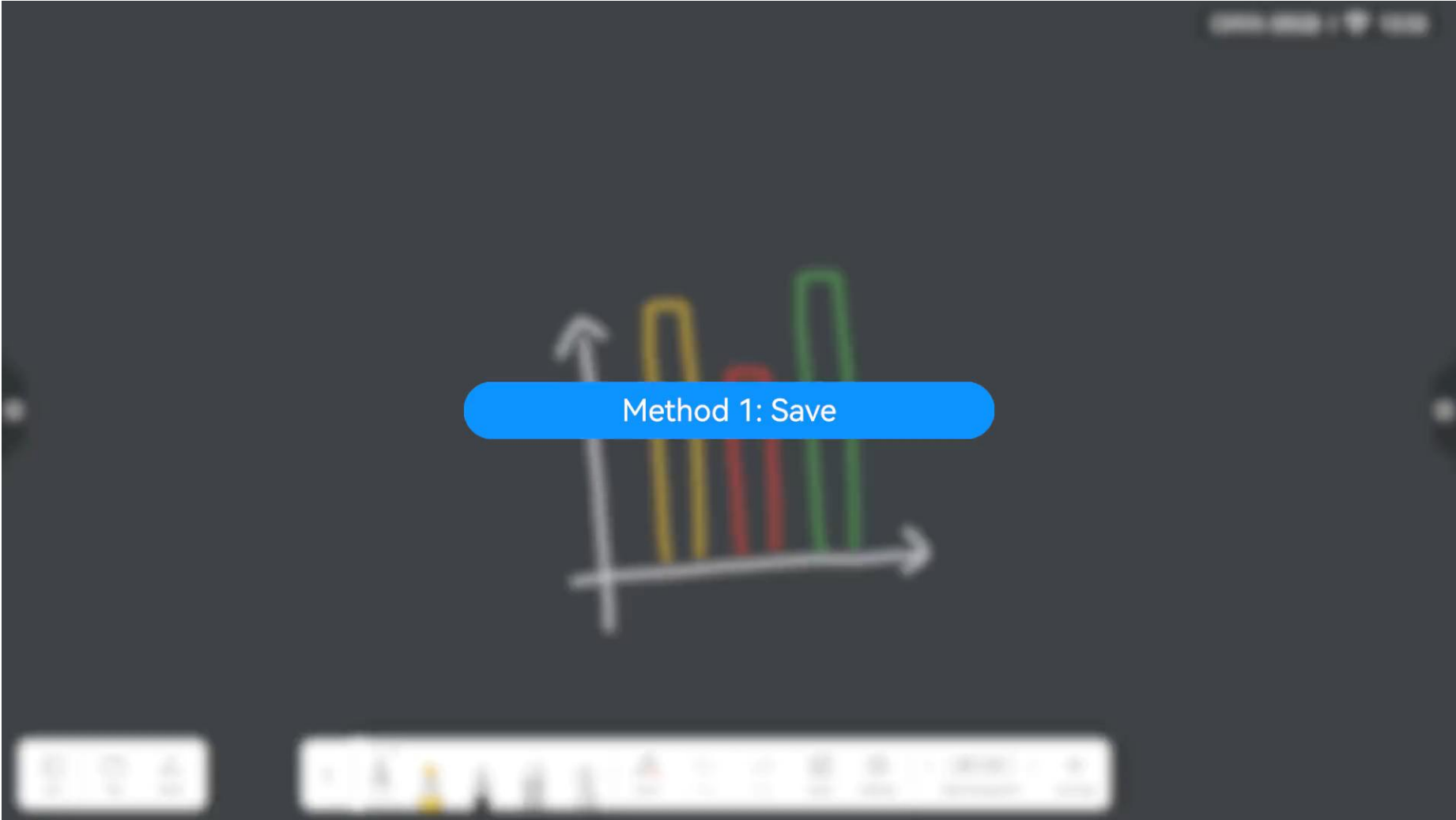
Method

- Tap the button on the right of the large screen, tap **Annotate**. 
- Gesture: Swipe a certain distance (no more than 1/3 of the screen) from the lower left corner or lower right corner of the large screen to the center of the screen and release.

Note

- After the background is inserted, you can touch and hold the image to crop the background.
- You can save and take away the annotated content.

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Method 1: Save

Save & Take Away

Whiteboard content can be saved or taken away in three modes: **Save**, **Scan**, and **Mail**.

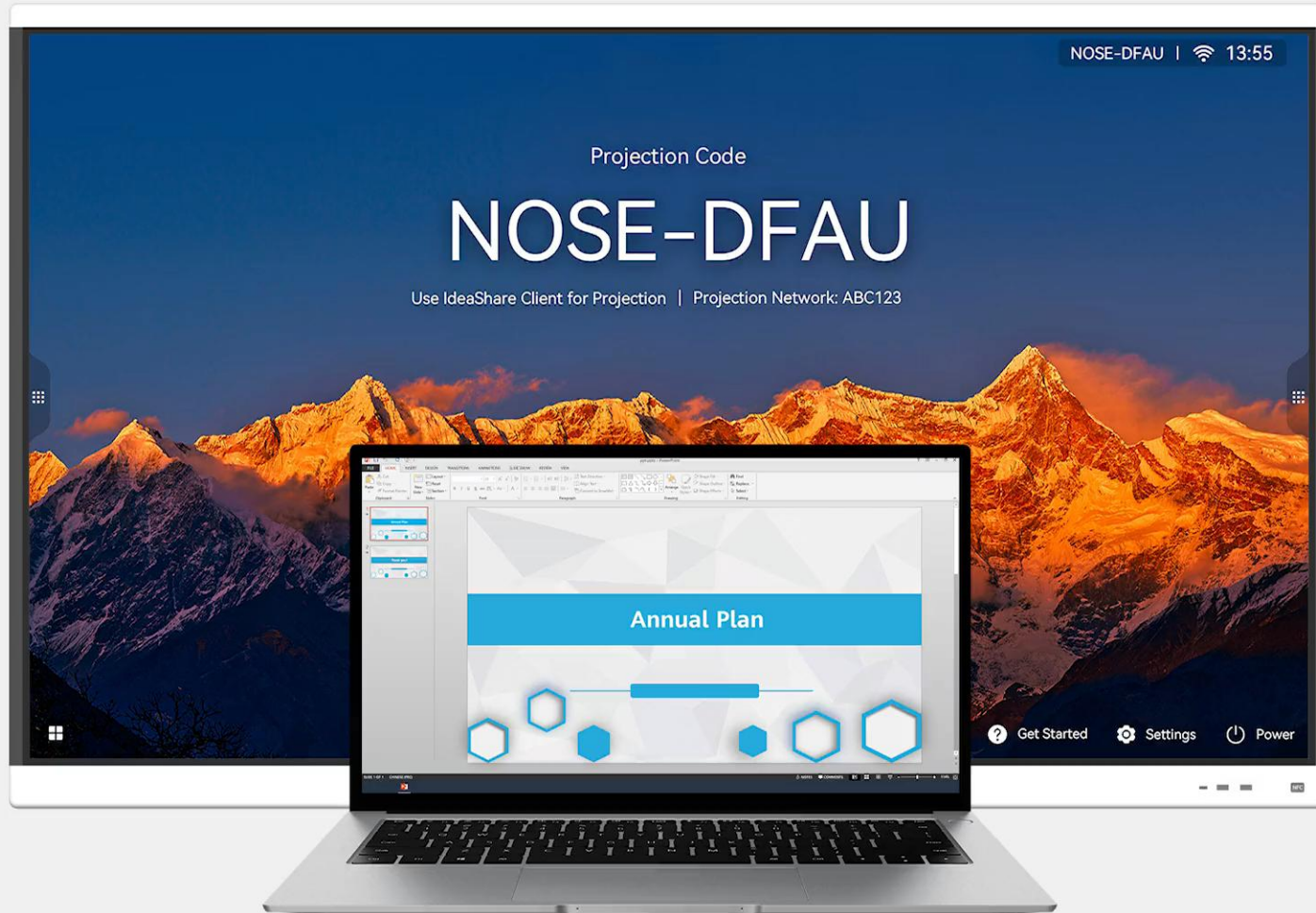
Method

1. Setting the Whiteboard: The whiteboard content can be saved or taken away only after related configuration is complete. On the home screen, choose **Whiteboard > Settings > Advanced**, enable **Save Whiteboard**, **More** and **QR Code Scan**.
2. In the lower left corner of the whiteboard page, tap **Share**, or tap **File** and choose **Save**.

Note

- **Save:** After **Save Whiteboard** is enabled, you can save the whiteboard content locally or export the whiteboard content to a USB flash drive (in .cwb .pdf or .pptx format), and you can change the default file format of the whiteboard.
- **Scan:** Use the scan function of the mobile client (Huawei Cloud Meeting or Browser) to scan the QR code on the large screen.
- **Mail:** After the email address is configured, the whiteboard content can be sent via email. In the lower right corner of the home screen, tap **Settings > Advanced > System > Email Address Setting > Sender Email Address Setting** to configure the email address.

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Cross-screen Annotation

You can annotate on the PowerPoint file on the large screen and save it. A low-latency writing effect is provided for common pens.

Method

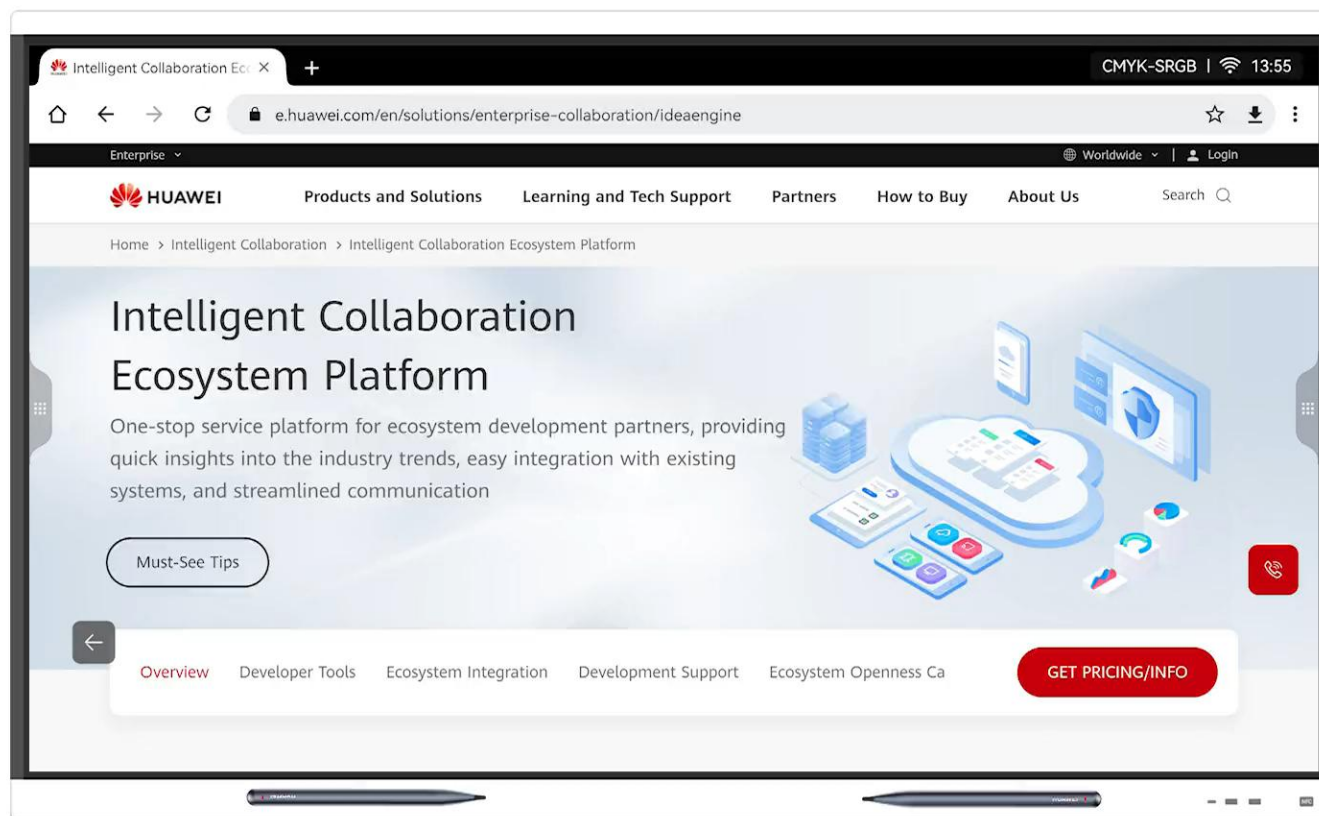
1. Use the IdeaShare Windows client to project content to the large screen.
2. Open a PowerPoint file on the computer and play it in full screen.
3. Tap **Cross-Screen Annotation** in the lower right corner of the large screen to annotate on the file, and tap **Eraser** to remove the writing.

Note

To use this function, ensure that the following version requirements are met:

- Computer OS: Windows 10 or 11
- Client version: V7.05.1.01 or later
- PowerPoint: activated Microsoft PowerPoint 2013/2016/2019/2021 Enterprise and Professional

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Instant Writing with Stylus

With Instant Writing with Stylus enabled on the IdeaHub, you can use a new-gen stylus to write on the screen for annotation.

Method

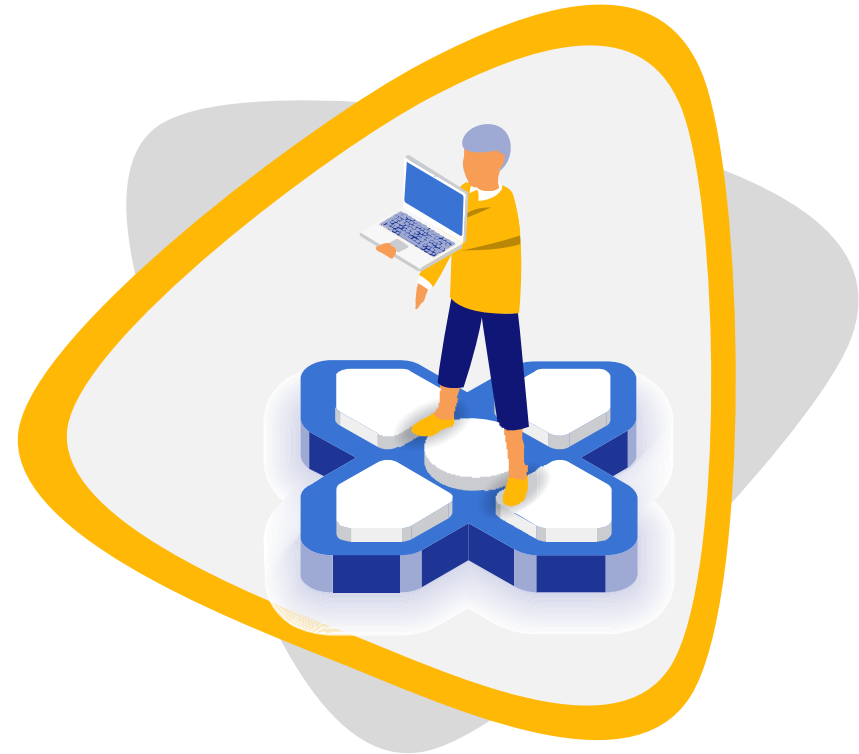
1. Instant Writing with Stylus: Go to **Settings** > **Smart Functions** > **Writing Settings** from the lower right corner of the home screen and enable **Instant Writing with Stylus**.
2. Dynamic Annotation: After enabling **Instant Writing with Stylus**, you can enable **Dynamic Annotation** to annotate on a dynamic background. The dynamic display of the screen content is not affected during annotation.

Note

- When dynamic annotation is enabled, only the pencil is supported; when this function is disabled, the pen and smart pen are supported.
- Instant Writing with Stylus is not supported in the following scenarios:
Whiteboard running at the frontend, four-finger swipe mode, screen verification code screen, sidebar displayed, agreement re-signing, emergency pop-up displayed, system upgrade, Windows mode, startup wizard, and power menu displayed
- You can write on the screen during a meeting, but the content cannot be shared to remote sites.

Remote Meeting

1. Create a Meeting
2. Join a Meeting
3. Share Whiteboard
4. Share Content
5. More Meeting Controls



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Remote Meeting

Create a Meeting (Huawei Cloud Meeting)

After the Huawei Cloud Meeting network is set up, you can quickly create a meeting through the large screen.

Method

Tap the meeting icon on the home screen. On the meeting details page, choose **Start meeting** to create a meeting.

Note

- After a meeting is created, the meeting ID, guest password, and QR code are automatically generated, tap the meeting ID in the upper left corner to view.

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Remote Meeting

Join a Meeting (Huawei Cloud Meeting)

In the Huawei Cloud Meeting network scenario, you can join a meeting using the meeting ID or QR code.

Method

- Meeting ID: Tap the meeting icon on the home screen. On the page displayed, enter a meeting ID, tap **Join meeting**, and enter the guest password to join the meeting.
- QR code: Tap the meeting icon on the home screen to access the meeting details page. Open the Huawei Cloud Meeting client, tap **Scan** in the upper right corner, and scan the QR code on the large screen to join the meeting.

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Share Content

Share content in a meeting.

Method

In a meeting, you can share a whiteboard or your projected screen. Whiteboard: In a meeting, tap **Share** to share whiteboard content. Projection: In a meeting, tap **Share** to share projected screen content.

Note

- Both wired and wireless projection modes are supported for sharing the projected screen.
- Those functions related to Huawei Cloud WeLink are supported only inside the Chinese mainland.

Remote Meeting

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Meeting Annotation

In a meeting, annotate a screenshot and share it with remote sites.

Method

After the projection sharing is successful, tap **Annotate** in the lower right corner of the screen to take a screenshot of the current screen and annotate on it. After the meeting annotation is enabled, annotations will be shared with remote sites in real time.

Note

- In the lower right corner, tap **Sharing** and then **Stop** to stop sharing meeting annotations.
- Those functions related to Huawei Cloud WeLink are supported only inside the Chinese mainland.

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Meeting Control - Microphone

You can control the local microphone in a meeting.

Method

During a meeting, tap **Microphone** on the meeting control bar in the lower part to mute or unmute the local microphone..

Note

- Those functions related to Huawei Cloud WeLink are supported only inside the Chinese mainland.

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Meeting Control - Speaker

You can adjust the local speaker in a meeting.

Method

During a meeting, tap **Speaker** on the meeting control bar in the lower part to adjust the volume of the local speaker.

Note

- Those functions related to Huawei Cloud WeLink are supported only inside the Chinese mainland.

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Meeting Control - Video

You can enable or disable the local camera in a meeting.

Method

During a meeting, tap **Video** on the meeting control bar in the lower part to enable or disable the local video.

Note

- Those functions related to Huawei Cloud WeLink are supported only inside the Chinese mainland.

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Meeting Control - Participant

You can manage and invite participants in a meeting.

Method

During a meeting, tap **Participant** on the meeting control bar in the lower part to manage participants that have joined the meeting or invite new participants to the meeting.

Note

- Those functions related to Huawei Cloud WeLink are supported only inside the Chinese mainland.

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Meeting Control - Settings

You can view more meeting settings in a meeting.

Method

During a meeting, tap **Settings** on the meeting control bar in the lower part to configure the following settings:

- Basic settings
- Audio
- Video
- Share
- Security
- Network detection
- Feedback

Note

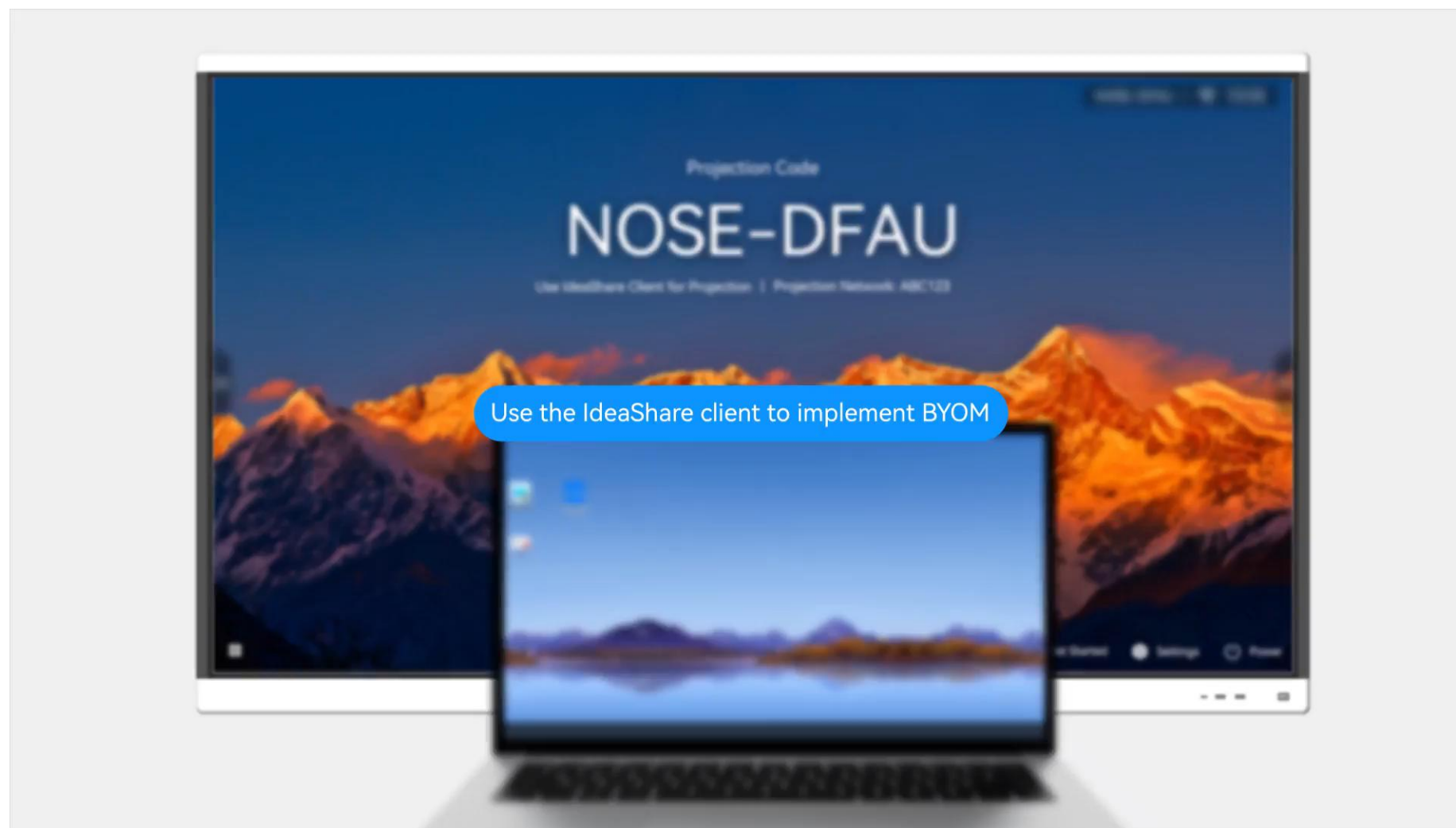
- The meeting control bar may vary according to the cloud meeting service resources you purchased. The actual page prevails.
- If **Collect troubleshooting logs** is enabled, the Huawei Cloud Platform can collect logs of the Huawei Cloud Meeting client.
- Those functions related to Huawei Cloud WeLink are supported only inside the Chinese mainland.

Screen Projection

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2. BYOM (Multi-Device Collaboration with Phones)
3. Wi-Fi P2P Projection
4. Mobile Client Projection
5. PC Client Projection
6. Ultrasonic Projection
7. IdeaShare Key Projection
8. Mirror & Control
9. DLNA Projection
10. Cast+ Projection
11. Projection with Miracast
12. NFC OneHop Projection
13. Wired Projection
14. Reverse Control



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Screen Projection

BYOM (IdeaShare Client)

With Bring Your Own Meeting (BYOM), the microphone, speaker, and camera of the large screen can be used as virtual peripherals for third-party meeting software installed on computers or mobile phones.

Method

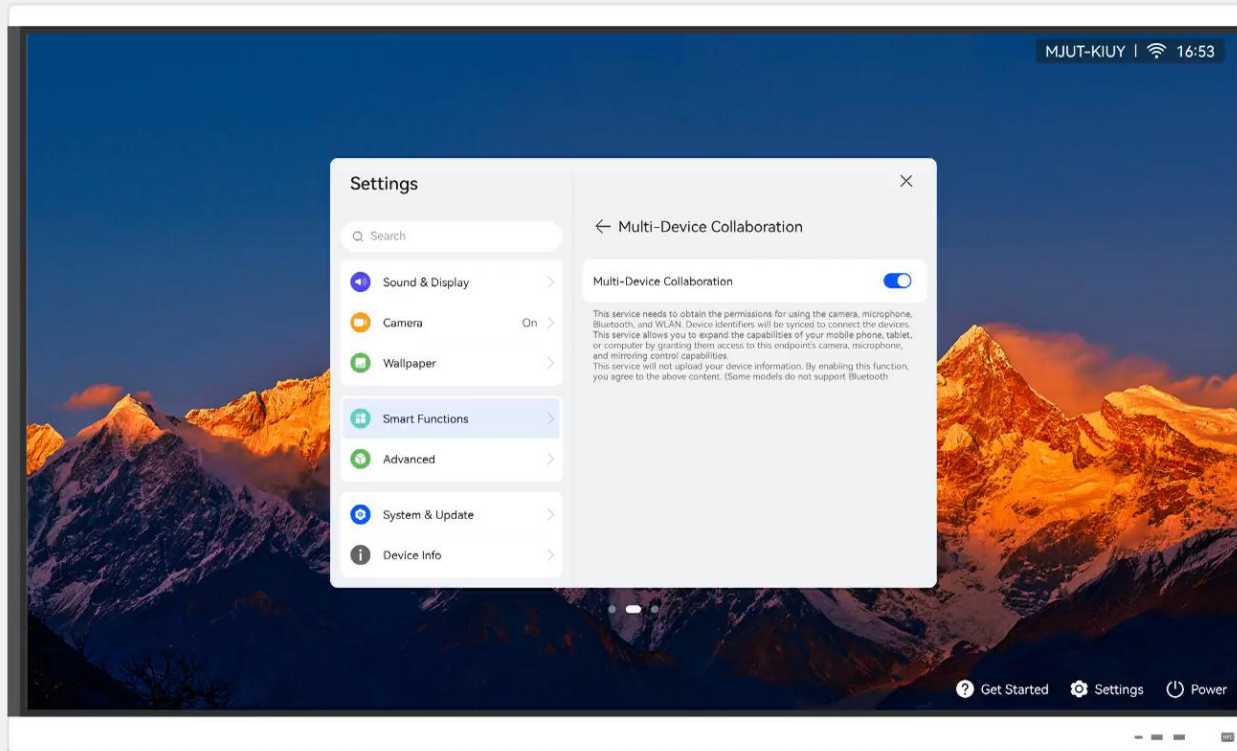
The following uses the IdeaShare client as an example to describe how to implement BYOM. For details about other application scenarios, see **Product Documentation > Advanced User > BYOM**.

1. Download and install the IdeaShare client on the computer. During the installation, select **Install BYOM driver** (supported only by the administrator account).
2. In the lower right corner of the large screen's home screen, choose **Settings > Smart Functions** and enable **Multi-Device Collaboration**.
3. Use the IdeaShare client to connect the large screen to the computer.
4. After you initiate or join a meeting on the computer, you can use the microphone, speaker, or camera of the large screen through the settings module on the meeting page.

Note

- To use this function on the IdeaShare Windows client, ensure that:
 - The client is of V6.19.0.33 or later.
 - The computer is a 64-bit Windows 10 or 11 computer of version 2004 or later.
- For the first use, you need to obtain the trust authorization from the large screen.
- Currently, the large screen supports the BYOM in the following scenarios:
 - IdeaShare client
 - IdeaShare Key (Type-C)
 - Type-C cable
 - OPS
 - Multi-device collaboration with phones

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BYOM (Multi-Device Collaboration with Phones)

After a HarmonyOS device searches for and finds a large screen and successfully connects to it, the device can invoke the microphone, speaker, and camera of the large screen as virtual peripherals.

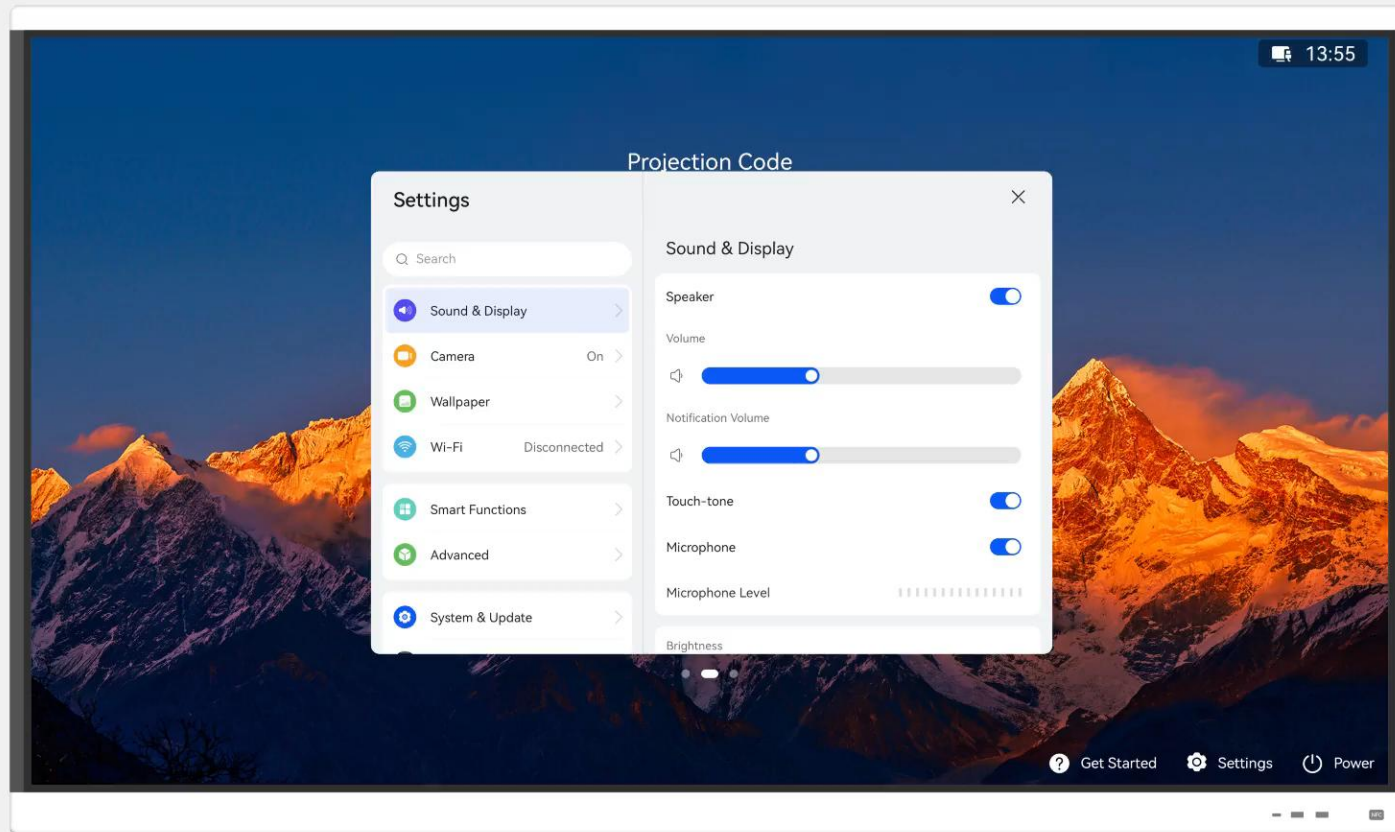
Method

1. Enable **Wi-Fi** on the large screen, and turn on **Wi-Fi** and **Bluetooth** on your phone.
2. In the lower right corner of the large screen's home screen, choose **Settings > Smart Functions** and enable **Multi-Device Collaboration**. (If the large screen runs HarmonyOS 4.0 or later, you also need to enable **Multi-screen Interaction** for the large screen.)
3. Swipe down from the status bar of the mobile phone to open the notification panel, enable **Wireless Projection**, and search for and connect to an available large screen.
4. On the status bar of **Wireless Projection**, you can use the large screen's camera, speaker, and camera via **Switch audio/video**.

Note

- Upon the first use of multi-device collaboration on your device, obtain authorization from the large screen and enter the device connection code.
- Audio and video switching can be performed only on the phone.
- This function applies only to models that support the Wi-Fi function.

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Wi-Fi P2P Projection

Based on the Wi-Fi Direct protocol, devices can use the IdeaShare client to implement peer-to-peer connections as long as Wi-Fi is enabled.

Method

This method applies only to Android, HarmonyOS, and Windows, and the IdeaShare version must be V6.19.0.32 or later.

1. Download and install the IdeaShare client on your mobile phone or computer.
2. Enable **Wi-Fi** and **Wi-Fi Direct** on the large screen, and turn on Wi-Fi on your phone.
3. Enter the large screen projection code on the mobile phone or computer client. Autocomplete is supported so you simply need to tap the correct one code from the list to connect to the large screen. For the first connection, you need to confirm the connection on the large screen.
4. On the client, click **Share Screen** to start screen projection.

Note

- This function applies only to endpoints that support the Wi-Fi function.
- Android and HarmonyOS phones cannot use mobile hotspot and Wi-Fi P2P at the same time. You need to disable mobile hotspot first.
- The following operating system requirements must be met: Windows 10.0.10240.0 or later, Android 8.0 or later, and HarmonyOS 2.0 to 5.0 (excluding 5.0).
- A maximum of four clients can connect to the large screen through Wi-Fi P2P at the same time.

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Mobile Client Projection (IdeaShare)

Mobile Client Projection

On the mobile client of IdeaShare or Huawei Cloud Meeting, enter the projection code displayed on the large screen to project content from a mobile phone to the large screen.



Method

1. Search for the client name such as IdeaShare or Huawei Cloud Meeting in the app store of the mobile phone, and download and install the client.
2. Set the network.
Method 1: Connect your phone and large screen to the same LAN.
Method 2: Keep Wi-Fi enabled on your phone and large screen
(For details, see [Wi-Fi P2P Projection](#))
3. Use either of the following for projection:
 - IdeaShare: Enter the projection code and choose **Share Screen > ALLOW**.
 - Huawei Cloud Meeting: Tap  in the upper right corner of the app, enter the projection code, and choose **Start projection > START NOW**



Note

- Operating system requirements for installing the IdeaShare mobile client:
 - Android 8.0 or later
 - HarmonyOS 2.0 to 5.0 (excluding 5.0)
 - iOS 13.0 or later
- Android 10.0 or later supports audio projection.
- Wi-Fi-related functions apply only to endpoints that support the Wi-Fi function.

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PC Client Projection

On the PC client of IdeaShare or Huawei Cloud Meeting, enter the projection code displayed on the large screen to project content from a PC to the large screen.

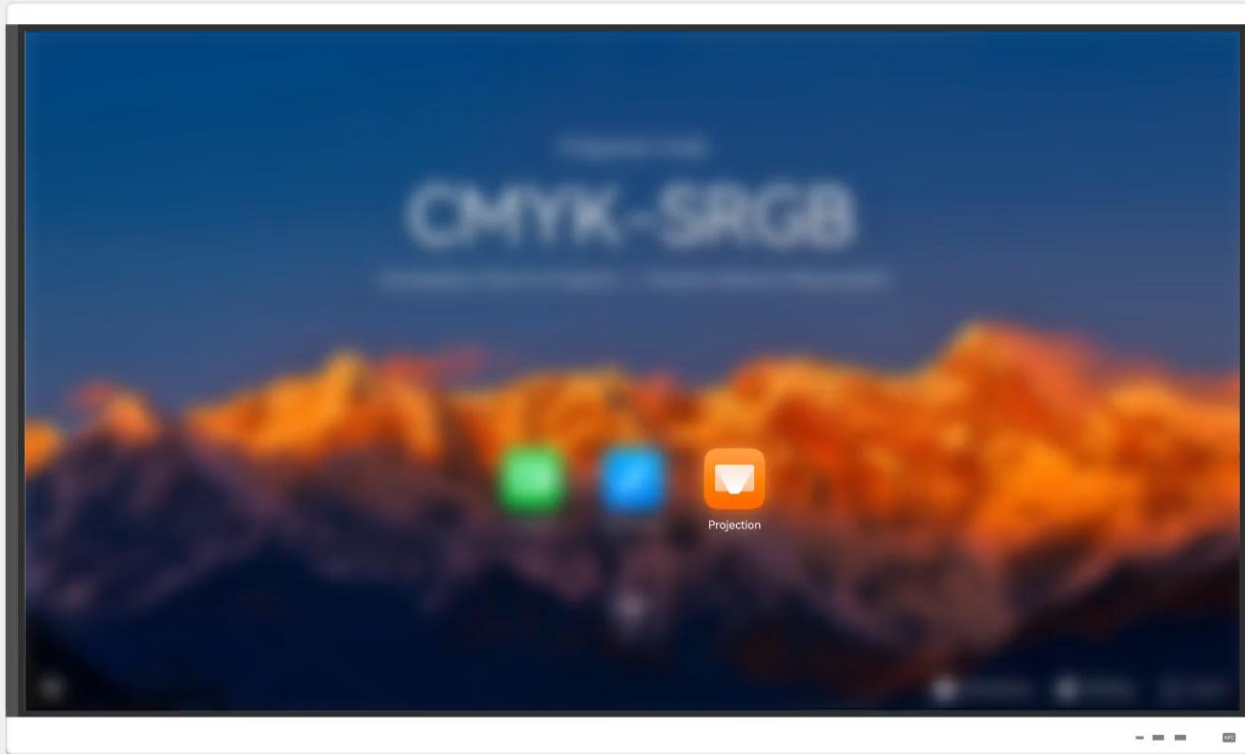
Method

1. Open huaweicloud.com on the PC, search for **IdeaShare** or **Huawei Cloud Meeting**, and download and install the client.
2. Set the network.
Method 1: Connect your PC and large screen to the same LAN.
Method 2: Keep Wi-Fi enabled on your PC and large screen.
(For details, see [Wi-Fi P2P Projection](#))
3. Open the client:
 - **IdeaShare**: enter the projection code displayed on the large screen, and tap **Share** to start projection.
 - **Huawei Cloud Meeting**: tap projection icon in the upper right corner, enter the projection code on the large screen, and tap **Projection** to start projection.

Note

- Operating system requirements for installing the IdeaShare PC client:
 - 32-bit and 64-bit Windows operating systems: Windows 7, 8, 8.1, 10, and 11
 - macOS 10.13.6 or later
- Wi-Fi-related functions apply only to endpoints that support the Wi-Fi function.

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Ultrasonic Projection

The IdeaShare client can discover nearby endpoints through the ultrasonic wave, implementing projection without the need to enter the projection code.

Method

The IdeaShare mobile client is used as an example:

1. Enable **Ultrasonic Discovery** on both the large screen and IdeaShare client. To enable this function, perform the following operations:

Large screen: On the home screen, tap **Projection**. On the displayed screen, tap  in the upper right corner, choose **Advanced**, and enable **Ultrasonic Discovery**.

Client: Open the IdeaShare client, tap  in the upper left corner, and choose **Setting**. Enable **Ultrasonic Discovery**. (This function is supported only by IdeaShare V7.06.1.50 and later versions.)

2. Configure the projection network based on the projection mode (same LAN or Wi-Fi Direct projection).

3. Open the IdeaShare client. If "Nearby endpoints found" is displayed on the page, tap the projection code below to start projection.

Note

- This function applies to laptops, tablets, and mobile phones running Windows, Android, and HarmonyOS.
- When using this function, ensure that the microphone of the device where the client is located is enabled and the microphone sampling rate reaches 48 kHz. The speaker of the large screen must be unmuted.
- It is recommended that the projection device be stable during the process of searching for nearby endpoints.
- The optimal effect is achieved when ultrasonic discovery is enabled on only one large screen in a meeting room.

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IdeaShare Key Projection

You can use the IdeaShare Key to project from computer without downloading any projection software.

Method

1. Insert the IdeaShare Key into the large screen, wait until **Pairing successful** message is displayed, and then remove the IdeaShare Key.
2. Insert the IdeaShare Key into the computer.
3. After the blue indicator of the IdeaShare Key (Type-A) is steady on in low brightness or the white indicator of the IdeaShare Key (Type-C) is steady on, press the IdeaShare Key button to start projection. Then, you can press it again to stop projection.

Note

- IdeaShare Key (Type-A): If you use it for the first time, you need to install the IdeaShare Key software to connect the large screen.
- IdeaShare Key (Type-C):
 - If the Type-C port on the computer supports audio and video transmission, you can directly connect the computer to the large screen without installing the IdeaShare Key software. In addition, no dialog box will be displayed in the lower right corner of the computer.
 - If the Type-C port on the computer does not support audio and video transmission, the computer can be connected to a large screen only when the IdeaShare Key software is installed.
- To install the IdeaShare Key software, perform the following steps:
 - Windows: On the home screen after you click **My PC** or **This PC**, double-click the drive or double-click **IdeaShare Key.exe** in the drive path to manually complete the installation.
 - macOS: Double-click **IdeaShareKeySetup** in the **IdeaShareKey** drive path on the desktop to manually complete the installation and authorization.

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Mirror & Control (IdeaShare Client)

Mirror & Control

After the IdeaShare client / IdeaShare Key (Type-C) is connected to a large screen, you can use the mirror & control function to control the large screen.



Method

The IdeaShare client is used as an example.

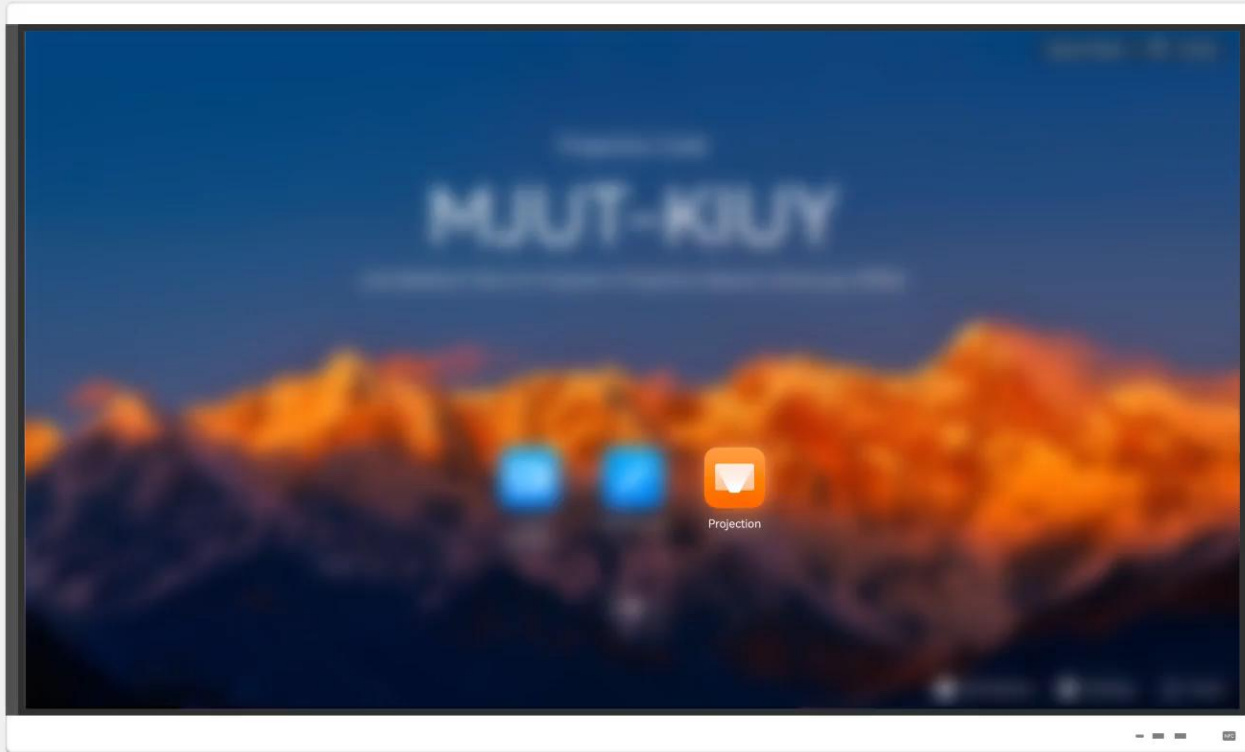
1. In the lower right corner of the large screen's home screen, choose **Settings > Smart Functions** and enable **Multi-Device Collaboration**.
2. Connect the IdeaShare client to the large screen. For details, see [Mobile Client Projection](#).
3. After the connection is successful, tap **Mirror & Control** on the client to perform simple operations on the large screen, such as annotate, go back to the previous screen, and go back to the home screen of the large screen.
4. Tap  to unlock more operations, such as enable or disable the microphone and camera and adjust the volume and brightness.



Note

- Recommended OS versions:
 - ♦ Android 8.0 or later
 - ♦ HarmonyOS 2.0 to 5.0 (excluding 5.0)
 - ♦ iOS 13.0 or later
 - ♦ 32-bit and 64-bit Windows 10, 11
 - ♦ macOS 10.15 or later
- If **Mirror & Control Permissions** is set to **Require authorization**, authorization on the large screen is required when mirror & control is initiated.
- The mirror & control function is supported only when the IdeaShare Key is in app mode.

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DLNA Projection

Project the content from the multimedia player on the phone to the large screen wirelessly over DLNA protocol.



Method

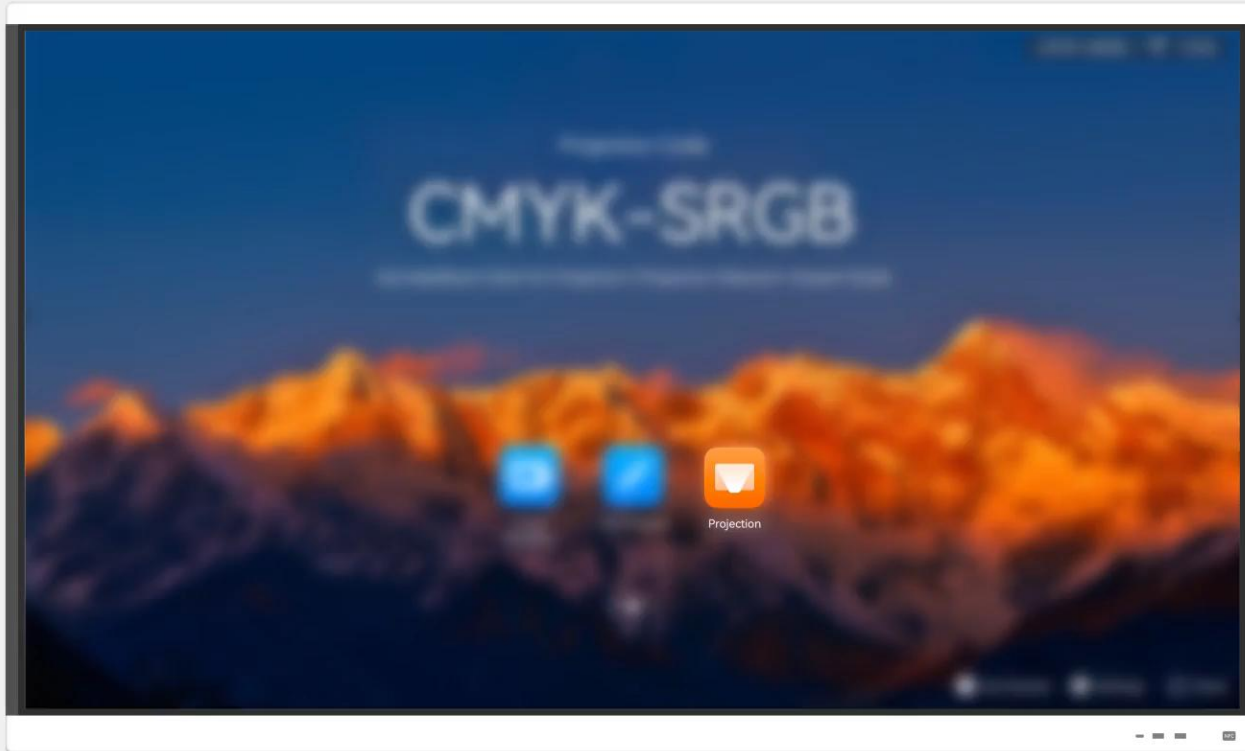
1. On the home screen of the large screen, tap **Projection**. On the displayed screen, tap ⚙️ in the upper right corner, choose **Advanced**, and enable **Multi-Screen Interaction**.
2. Connect your phone and the large screen to the same LAN.
3. Open the Gallery app on your phone, select a photo, and choose **More** > **Project** in the lower right corner of the photo to search for available large screens.
4. From the search list, select an available large screen device to start projection.



Note

- One of the following network connections is required to implement DLNA projection:
 - ✓ Connect the mobile phone and large screen to the same Wi-Fi network.
 - ✓ Connect the large screen to a wired network and the mobile phone to the large screen's hotspot.
 - ✓ Connect the large screen to a wired network and the mobile phone to a Wi-Fi network, where the wired and Wi-Fi networks are on the same LAN.
- When your phone functions as a hotspot to provide network access for the large screen, DLNA projection is unavailable on the phone.
- Required operating systems: Android 7.0 or later, iOS 9.0 or later, HarmonyOS 2.0 or later.
- Wi-Fi-related functions apply only to endpoints that support the Wi-Fi function.

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Cast+ Projection

Project the content from the phone to the large screen wirelessly over Cast+ protocol.

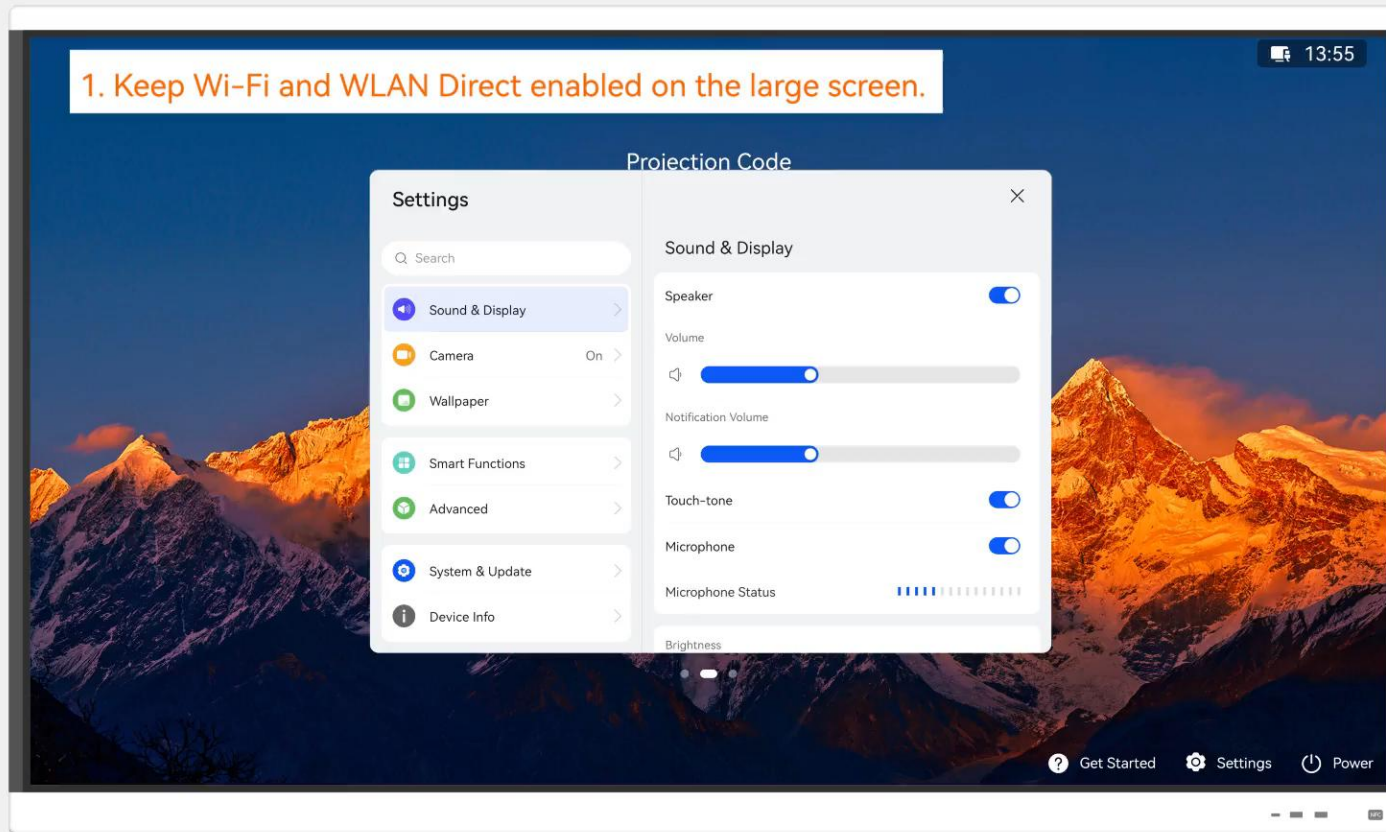
Method

1. On the home screen of the large screen, tap **Projection**. On the displayed screen, tap  in the upper right corner, choose **Advanced**, and enable **Multi-Screen Interaction**.
2. Enable **Wi-Fi** on the large screen, and turn on **Wi-Fi** and **Bluetooth** on your phone. To enable Wi-Fi on a large screen, tap **Settings** in the lower right corner of the large screen's home screen, choose **Advanced > Network Connection > Wi-Fi**, and enable **Wi-Fi**.
3. Swipe down from the status bar to open the notification panel, then swipe down again to show all shortcuts, enable **Wireless Projection**, and search for available large screen devices.
4. From the search list, select an available large screen device to start projection.

Note

- Upon the first use of Cast+ manual projection on your device, obtain authorization from the large screen and enter the device connection code.
- When your phone functions as a hotspot to provide network access for the large screen, Cast+ manual projection is unavailable on the phone.
- Required operating systems: EMUI 10.1.0 or later, HarmonyOS 2.0 or later.
- This function applies only to endpoints that support the Wi-Fi function.

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Projection with Miracast

This function allows you to project content from Android and Windows devices to a large screen in wireless projection mode.

Method

1. Keep **Wi-Fi** and **WLAN Direct** enabled on the large screen.
To enable Wi-Fi and WLAN Direct for a large screen, go to **Settings > Advanced > Network Connection > Wi-Fi** from the lower right corner of the large screen's home screen.
2. On the home screen of the large screen, tap Projection. On the displayed screen, tap  in the upper right corner, choose **Advanced**, and enable **Multi-Screen Interaction** and **Projection with Miracast**.
3. Connect your device to the large screen.

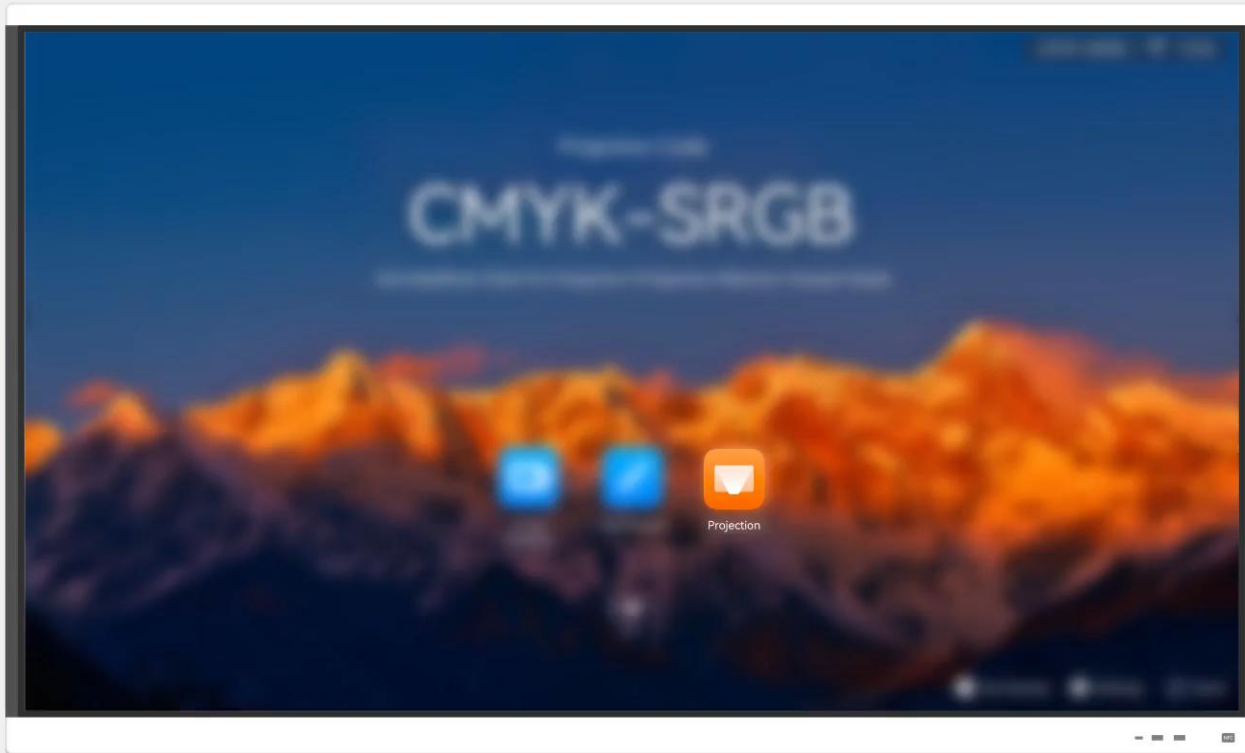
Phone projection: Enable **Wi-Fi** on your phone. Select an available large screen from the search list and start projection.

Computer projection: Method 1: Press **Start+K** or  + **K** on your keyboard to access the cast page, and select the display to be connected. Method 2: In the **Settings** dialog box, go to **System > Display > Multiple displays > Connect to a wireless display** and click **Connect**.

Note

- When your device is connected using the Miracast projection function, you need to confirm the connection on the large screen.
- When your phone functions as a hotspot to provide network access for the large screen, Miracast projection is unavailable on the phone.
- Required operating systems: Android 8 or later, Windows 10 or later.
- This function applies only to endpoints that support the Wi-Fi function.

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NFC OneHop Projection

Place your NFC-enabled phone close to the NFC sensor area of the large screen. After success connection, you can project your phone screen to the large screen.

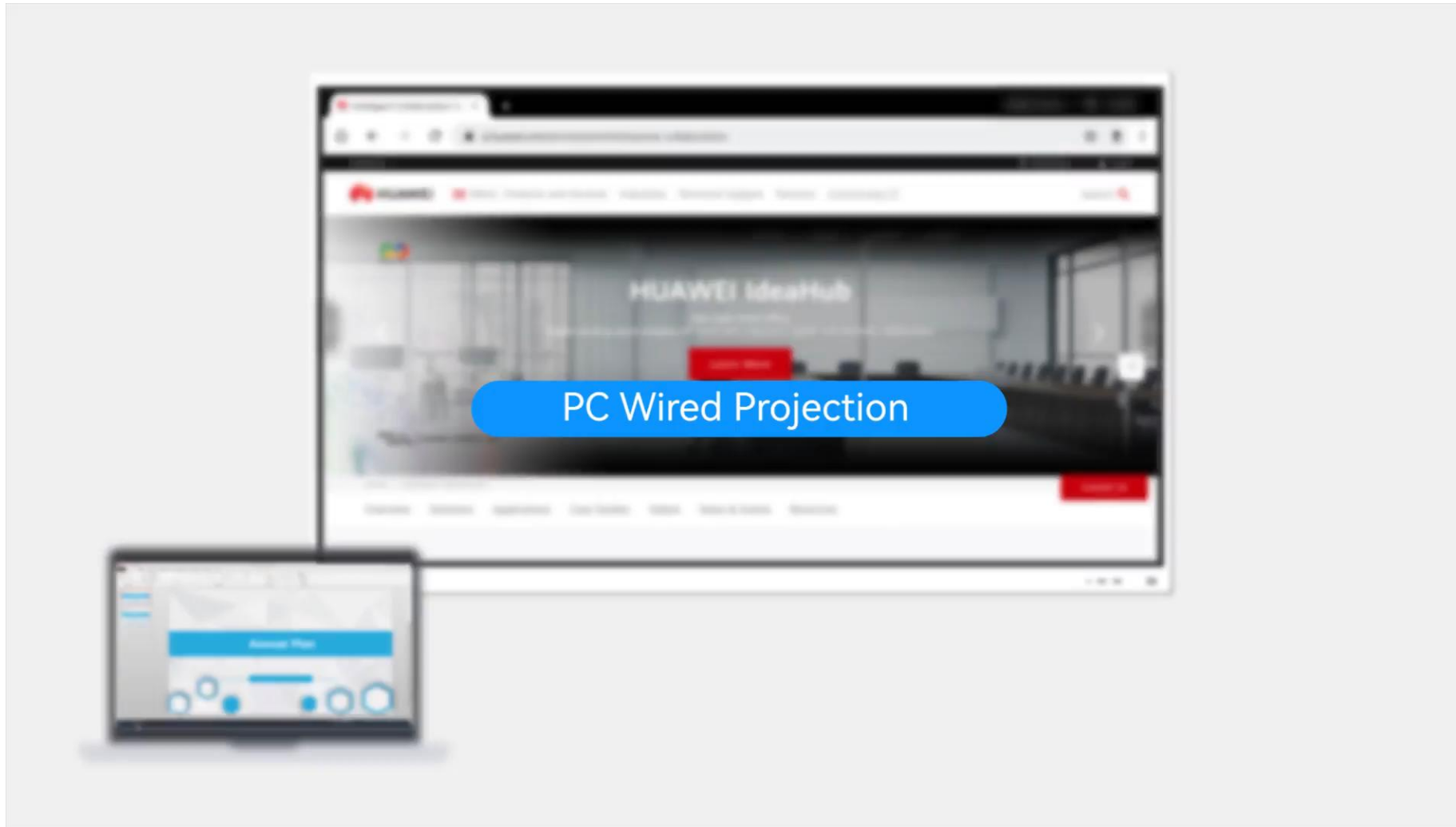
Method

1. Earlier version on the large screen: Enable **Multi-screen Interaction** or **Multi-Device Collaboration**.
HarmonyOS 4.0 or later on the large screen: Enable **Multi-screen Interaction**.
(To enable multi-device collaboration, tap **Settings** in the lower right corner of the large screen's home screen, choose **Smart Functions**, and enable **Multi-Device Collaboration**.)
2. Enable **Wi-Fi** on the large screen, and turn on Wi-Fi and Bluetooth on your phone.
To enable Wi-Fi on a large screen, tap **Settings** in the lower right corner of the large screen's home screen, choose **Advanced > Network Connection > Wi-Fi**, and enable **Wi-Fi**.
3. Swipe down from the status bar to open the notification panel (you can continue to swipe down) and turn on **NFC**. Place the NFC sensor area (camera area on the back) close to the NFC sensor area.
4. After successful sensing, follow instructions on the large screen to determine whether to trust the device to enable projection.

Note

- Upon the first use of NFC OneHop projection on your device, obtain authorization from the large screen.
- When your phone functions as a hotspot to provide network access for the large screen, NFC OneHop projection is unavailable on the phone.
- Required operating systems: EMUI 11.0.0.150 or later, HarmonyOS 2.0 or later.
- The multi-device collaboration function applies only to HarmonyOS 2.0 and later versions.
- This function applies only to endpoints that support the Wi-Fi function.
- The position of the NFC tag (in the lower left corner or lower right corner of the endpoint) may vary, but functions are the same.

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Wired Projection

Use a cable to connect a computer (or phone) to a large screen and share images from the computer (or phone) to the large screen.

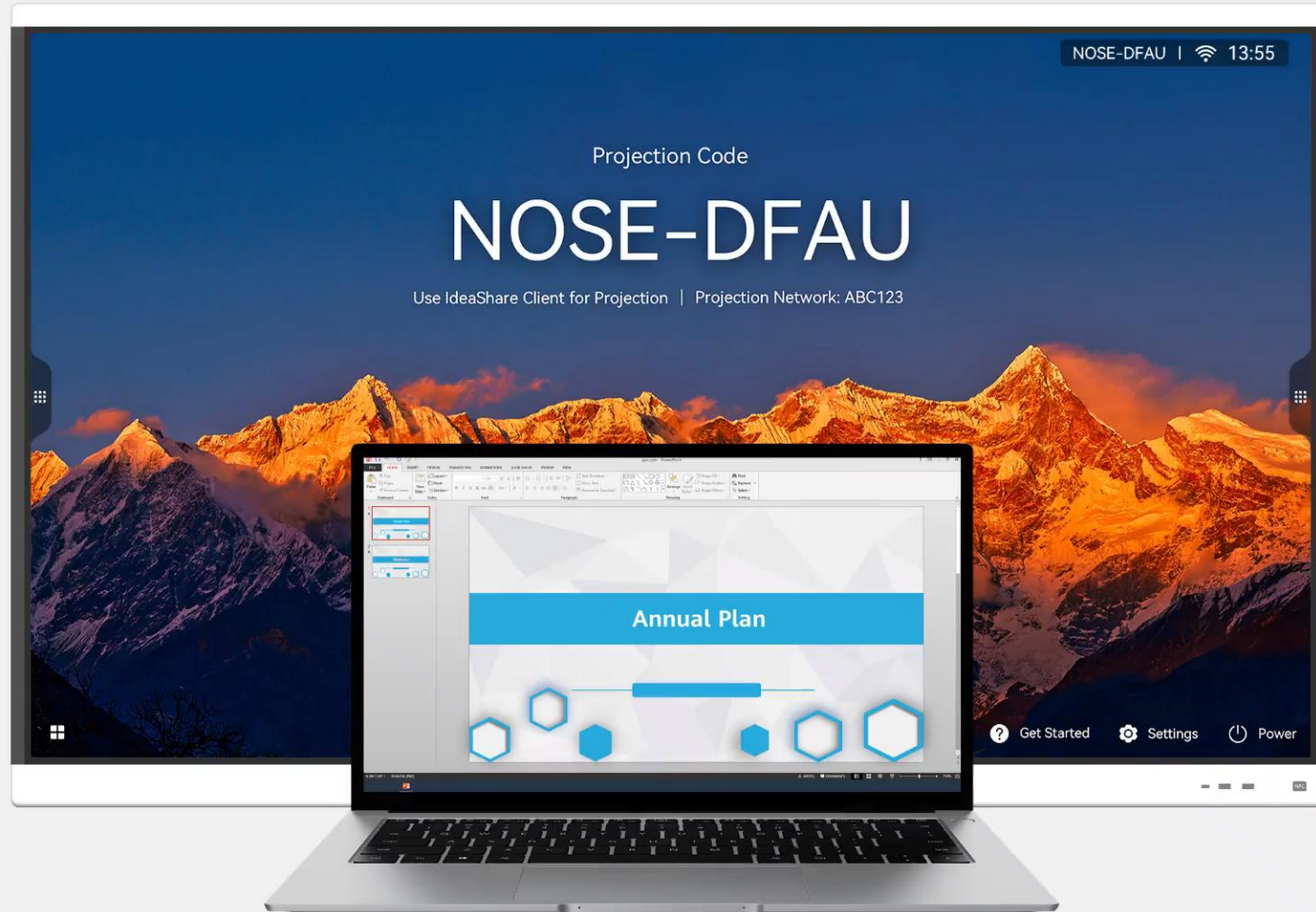
Method

1. Connect the large screen.
Type-C cable: You can use a Type-C cable to connect the computer (or phone) to the large screen.
HDMI cable: You can use an HDMI cable to connect the computer to the large screen.
2. After the connection is set up, you can start projection.

Note

- The Type-C cable projection is available only when your computer and phone use the port that is USB 3.1 or later and supports audio & video transmission as well as the used cable supports audio & video transmission.
- During projection, if the length of the Type-C cable is less than or equal to 2 m, reverse control is supported by default. If the cable length exceeds 2 m, you need to set **Camera & Microphone Settings** to **Disable** to support reverse control.
- During HDMI wired projection, an extra cable to the Type-B port of the large screen is required for reverse control.

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Reverse Control

You can control your phone or PC on the large screen during projection.

Method

After the projection is successful, tap the reverse control icon in the lower right corner of the large screen to control the phone or PC.

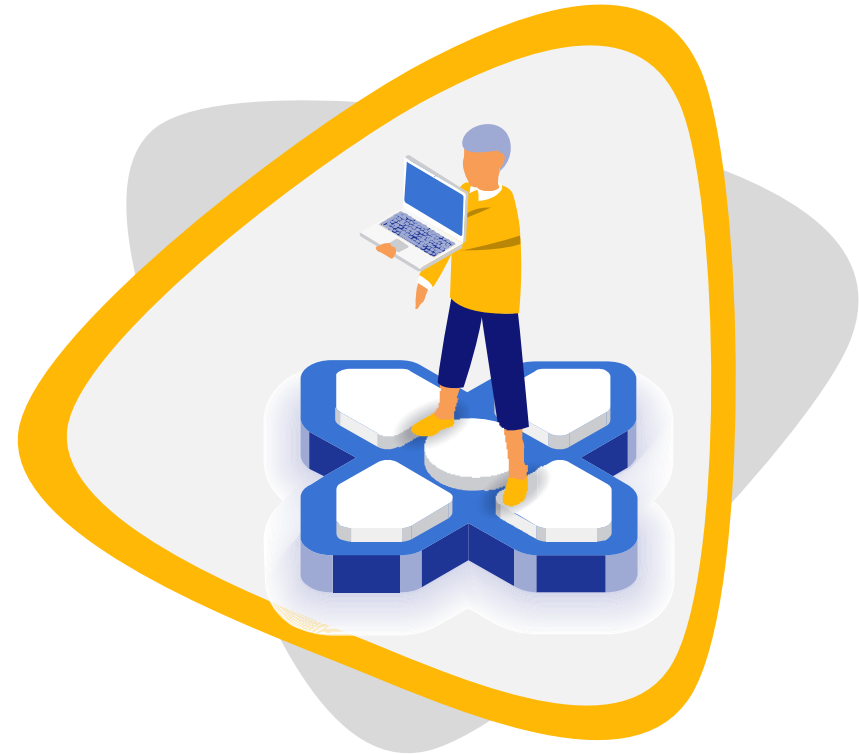
Note

The following projection modes support reverse control:

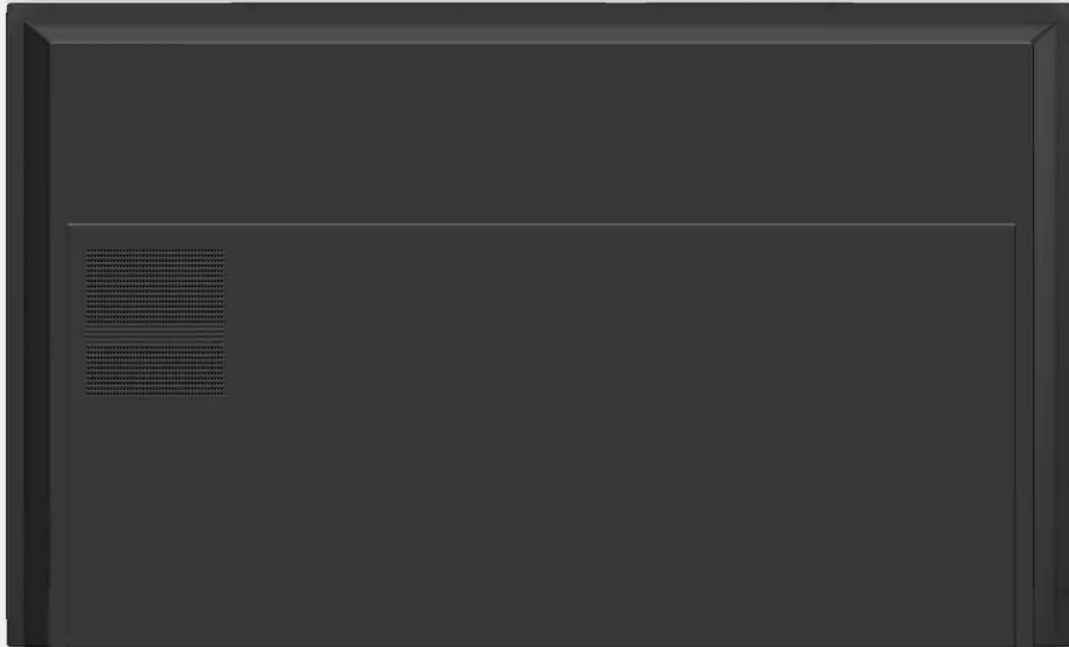
- Cast+ projection
- NFC OneHop projection
- Multi-device collaboration with phones
- Wired projection via a Type-C cable
- PC client projection
- IdeaShare Key projection
- HDMI PC wired projection: An extra cable to the Type-B port of the large screen is required for reverse control.

Peripherals

1. Use OPS
2. Controller



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Use OPS

The Open Pluggable Specification (OPS) is an optional hardware for the large screen. The OPS has a built-in Windows 10 or Windows 11 Enterprise operating system and can be automatically activated after being powered on and connected to a network.

Method

When installing or uninstalling the OPS positioned at the large screen's back, ensure that a hard shutdown is performed for the large screen's power button; otherwise, the OPS may be abnormal. If the OPS is installed during device power-on, perform a hard shutdown and power on the OPS again before using it.

The large screen supports the HarmonyOS and Windows modes.

- HarmonyOS (default): The OPS is presented as an app on the large screen. In this mode, you can tap the Windows icon in the lower left corner of the home screen to access the OPS.
- Windows: The large screen is used as the display to display the OPS only. To switch to the Windows mode, choose **Settings > Advanced > System > System Mode** in the lower right corner of the home screen. In this mode, you can swipe from the left edge of the screen to the right to display the setting page. Tap **Advanced** to switch back to the HarmonyOS mode.

Note

- Using the built-in microphone:
In the Windows mode, swipe right from the left edge of the large screen to display the shortcut operation page, choose **Advanced > Camera & Microphone Settings**, and select **OPS first**.
You are advised to set **Audio-Video Collaboration Setting to Microphone**. After the configuration is complete, restart the large screen for the configuration to take effect.
- Using the software keyboard: In Windows, choose **Setting > Devices > Typing > Touch keyboard** and enable **Show the touch keyboard when not in tablet mode and there's no keyboard attached toggle**.
- Security settings: Choose **Settings > Advanced > Advanced Settings Password** in the lower right corner of the home screen and set a password, which is required for accessing advanced settings in HarmonyOS or Windows mode.

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Controller

You can configure the Controller and Controller receiver for the large screen. The Controller is used to perform routine operations on multiple types of endpoints and provides convenient control functions.

Method

The **USB Mode** is set to the HarmonyOS mode. Choose **Settings > Advanced > Input/Output > USB > USB Mode** and select **HarmonyOS** mode. Insert the Controller receiver into the USB Type-A port at the lower right corner of the screen to receive signals from the Controller. It provides the following functions:

- Sleep/Wake up (not supported in Windows mode)
- Turn to the previous page
- Turn to the next page
- Laser pointer (supporting the click function)
- Enable/Disable the microphone (not supported in Windows mode)
- Mute/Unmute (not supported in Windows mode)
- Enable/Disable the camera (not supported in Windows mode)
- Increase the volume
- Decrease the volume

Note

In projection mode, the Controller can be used only with the Type-C wired projection, IdeaShare Key, IdeaShare, and Huawei Cloud Meeting projection scenarios.

More

1. Customization and Demo
2. Change Wallpaper
3. Customize Home Screen Apps
4. Download App
5. Multi-Window



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Customization and Demo

You can customize the HiBoard.

Method

1. Swipe right on the home screen to enter HiBoard.
2. In the lower left corner of the HiBoard, tap **Background**.
3. After selecting a background template, edit the text in the template.
4. After the editing is complete, tap **Show** to display the page in full screen.

Note

- HiBoard customized background images can only be selected from the large screen's local directory or a USB flash drive. The image format can be .bmp, .jpg, .jpeg, or .png.
- When adding a customized background, ensure that the image resolution does not exceed 8K and the image size does not exceed 30 MB. You are advised to add an image with the aspect ratio of 16:9. Otherwise, the image will be scaled proportionally.
- Tap **Reset** to restore an edited template to its initial state.

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Change Wallpaper

You can change the wallpaper on the home screen. Wallpapers include the built-in wallpapers and newly imported wallpapers.

Method

Method 1: Touch and hold the wallpaper of the home screen.

Method 2: Choose **Settings > Wallpaper > Set Wallpaper** in the lower right corner of the home screen to change the wallpaper.

Note

To import new wallpapers, delete some existing ones and try again. The imported wallpaper must be in JPG, JPEG, or PNG format. 1080p and 4K images are supported. The image size cannot exceed 8 MB, and the resolution cannot exceed 4500 x 2500. You are advised to import a 16:9 image; otherwise, the image will be stretched.

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Customize Home Screen Apps

You can customize the app icons on the home screen.

Method

In the lower right corner of the home screen, choose **Settings** > **Advanced** > **App** > **Permission Control**, and enable **Permission Control** to allow anyone to customize the home screen on this device.

- Method 1: Tap and hold an app icon on the home screen, and tap .
- Method 2: Swipe left on the home screen to go to the app list, tap and hold an app icon, and tap **Customize Home Screen**.

Note

- A maximum of six app icons can be displayed on the home screen.
- The content displayed may vary depending on large screen configurations and models. The actual page prevails.

Apps



Cloud Meeting



Whiteboard



Projection



File Manager



Browser



IdeaCare



AppGallery



Tips and Tricks

Download App

The AppGallery gives you access to countless third-party apps.



Method

1. Before downloading an app, ensure that the network is connected and the large screen can access the Internet.
2. Swipe left on the home screen to enter the app list, enter **AppGallery**, search for and download the app, and install it.



Note

- By default, HUAWEI AppGallery is not displayed on the large screen sold outside the Chinese mainland. To display it, choose **Settings > Advanced > Apps > Hide Apps** and disable **AppGallery**. Then the app will be displayed on the **Apps** screen.
- Other download methods: On the **Apps** page, tap **Browser** to search for and download apps. Alternatively, import the installation package to the large screen using a USB flash drive. Then tap **File Manager**, find the desired installation package, and install the app.
- You may encounter browser compatibility issues on some websites. If an issue such as a video playing error occurs, use another browser.

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Multi-Window

By opening apps in split-screen mode, you can use two apps concurrently to improve efficiency.

Method

1. Open an app that supports split-screen mode on the large screen.
2. Tap **Multi-Window** icon  in the sidebar options to enable split-screen mode.
3. Open an app in **Split-Screen Supported Apps** to use two apps concurrently.

Note

Not all apps support this function. The **Multi-Window** icon is available only for the supported apps.



THANKS