HUAWEI IdeaHub S2, ES2, S2 Pro, ES2 Pro, and ES2 Plus 23.1 Must-See Tips

Contents

Whiteboard

1. Open Whiteboard
2. Canvas & Pen
3. Erase
4. Select & Zoom
5. Insert
6. Co-Author
7. Smart Pen
8. Global Annotation
9. Save & Take Away

◎ Move the cursor to the video and click ▶ to play.

CMYK-SRGB | 13:55

Projection Code

CMYK-SRGB

Use IdeaShare Client for Projection | Projection Network: Wlanaccess2.0

Whiteboard

Get Started | Settings | Power

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.

◎ Move the cursor to the video and click ▶ to play.

CMYK-SRGB | 13:55

Exit   File   Share

Zoom   Undo   Redo   Insert   Settings   01 / 01   Add Page
                                              Page Management
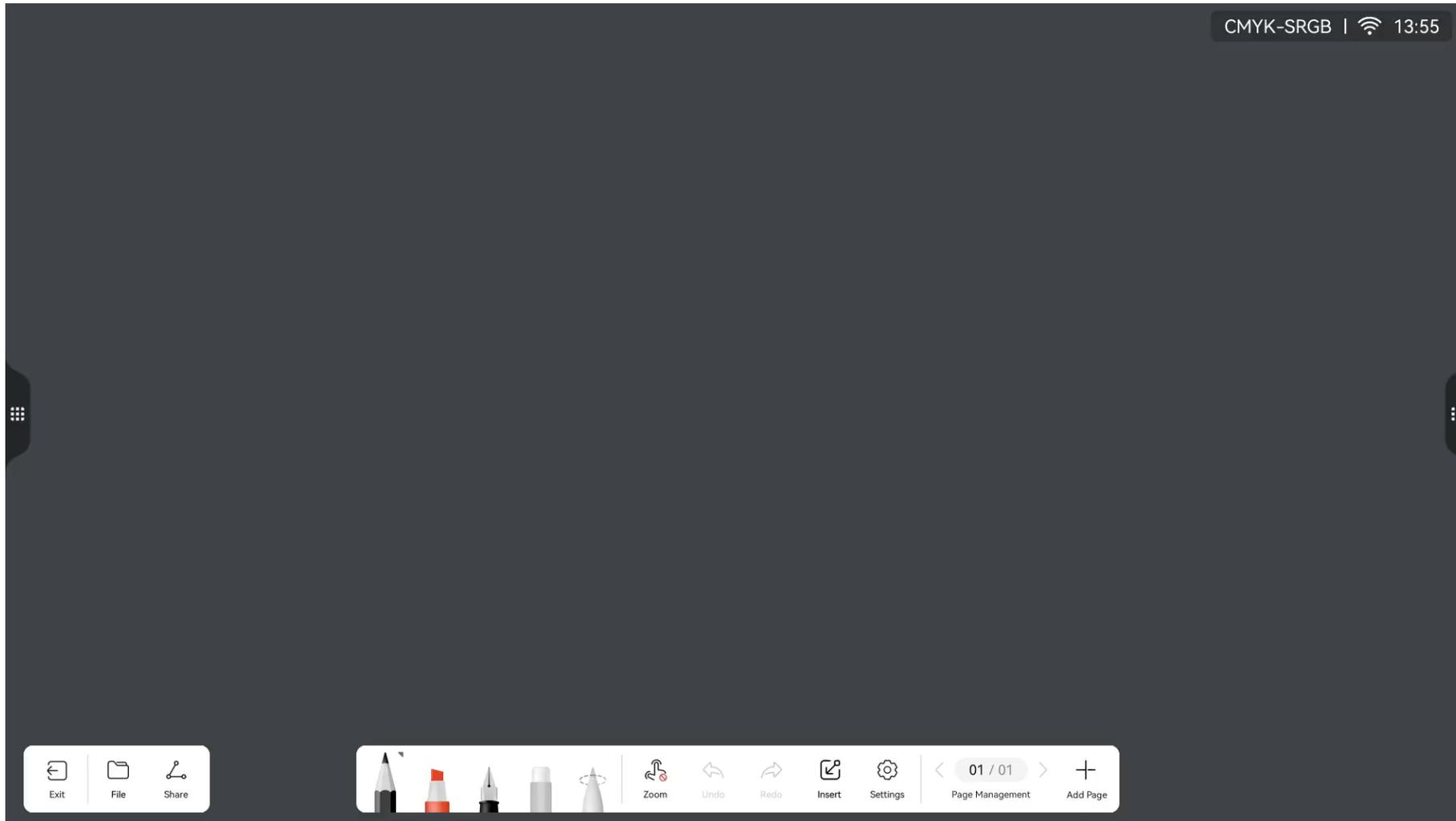
Canvas & Pen

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** .

◎ Move the cursor to the video and click ▶ to play.

CMYK-SRGB | 🛜 13:55

Erase a large area

80%

Sector chart   20%～80%

Exit   File   Share

Zoom   Undo   Redo   Insert   Settings   01 / 01   Add Page
Page Management

Erase

You can select different methods to erase 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.
- Knuckle gesture: Touch the large screen horizontally with the second knuckle of your index finger to trigger the knuckle gesture and quickly erase a small area.
- Tap eraser 🖊 and use your fingertip to erase content in a tiny area.
- Tap eraser 🖊 and select **Clear** 🧹 to clear all content on the current page.

Whitebaord

◎ Move the cursor to the video and click ▶ to play.

CMYK-SRGB | 📶 13:55

Select

20%
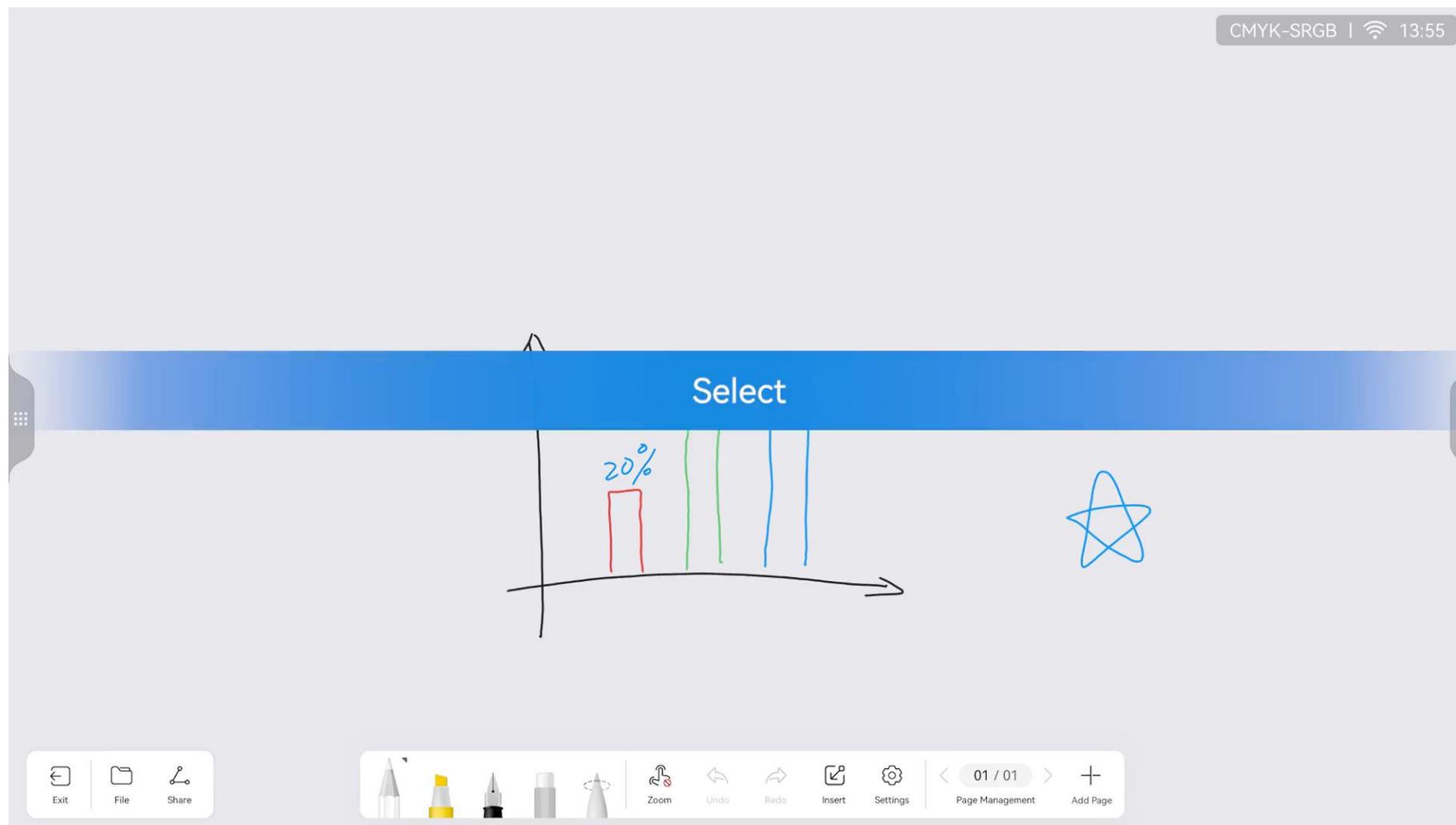
Select & Zoom

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 co-author 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 co-author 👆 allows two 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, co-authoring 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.

Exit File Share

Zoom Undo Redo Insert Settings 01 / 01 Page Management Add Page

◎ Move the cursor to the video and click ▶ to play.

CMYK–SRGB | 📶 13:55

Exit   File   Share

Zoom   Undo   Redo   Insert   Settings   01 / 01   Add Page
                                            Page Management

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.

◎ Move the cursor to the video and click ▶ to play.

CMYK-SRGB | 🛜 13:55

Exit File Share

Zoom Undo Redo Insert Settings < 01 / 01 > Add Page
Page Management
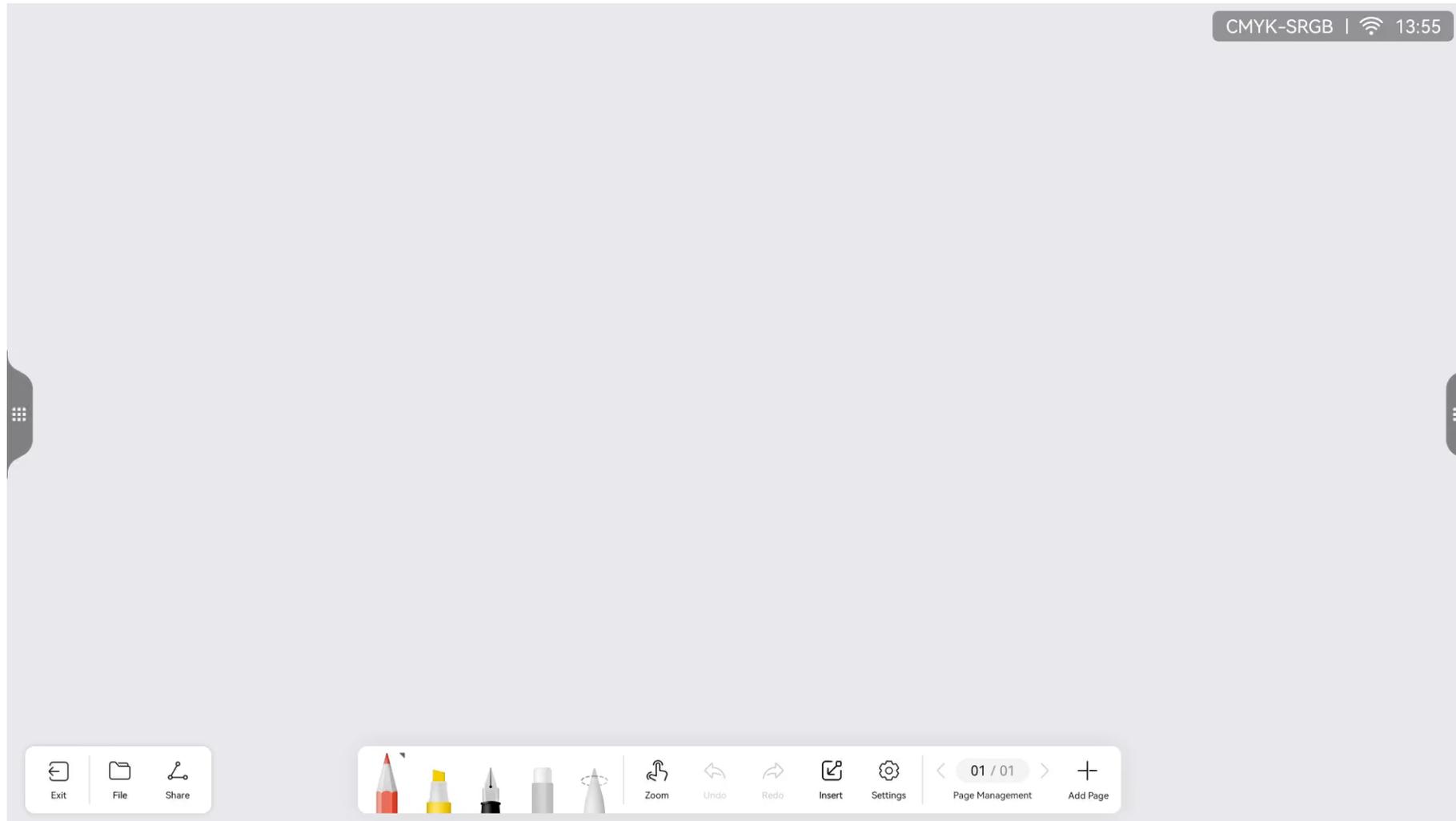
Co-Author

After **Co-Author** is enabled, two people can write on the whiteboard at the same time.

💡 **Method**

The zoom and co-author icons are in the same position. When either is enabled, the function will be displayed at the bottom of the whiteboard.
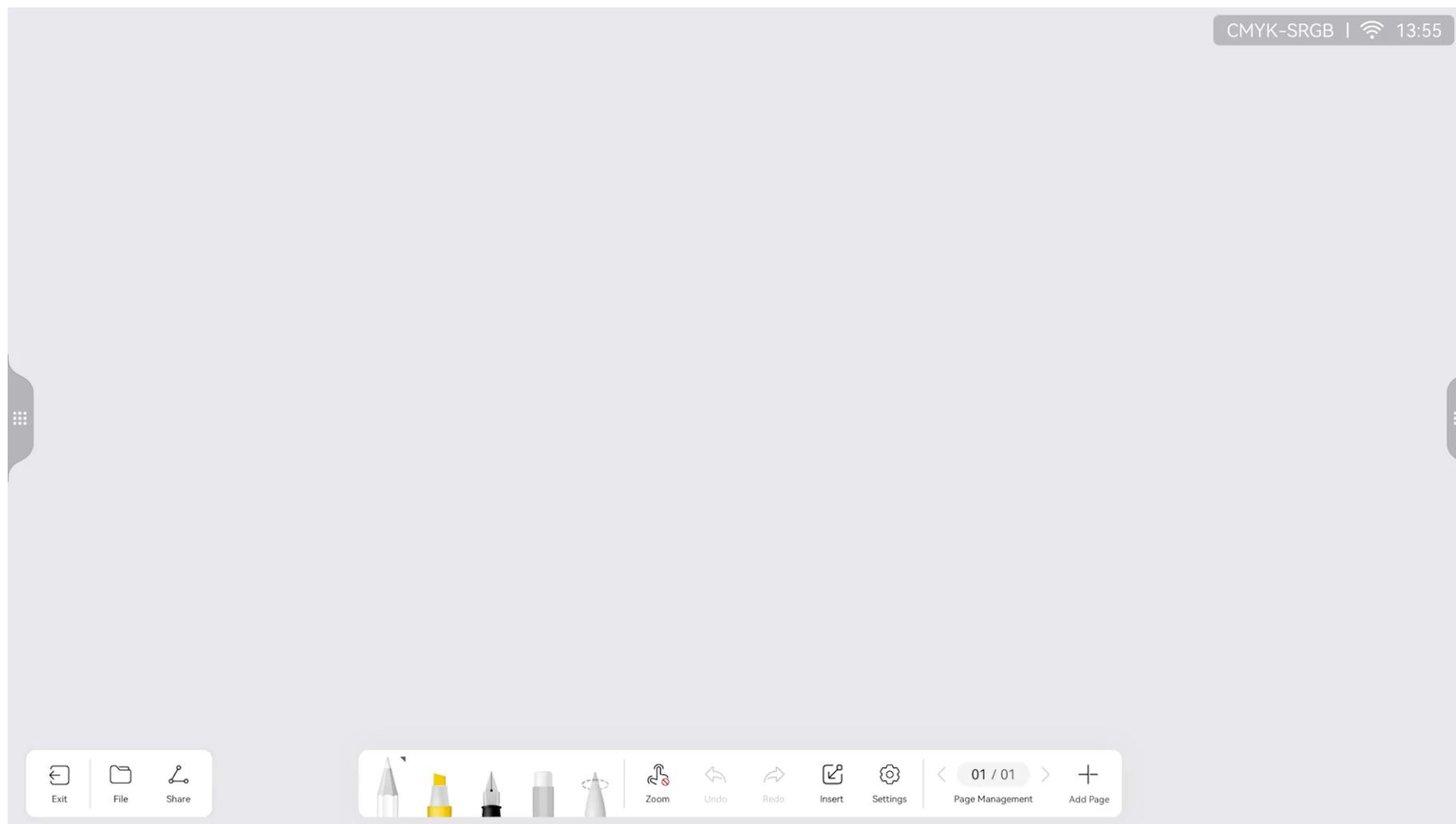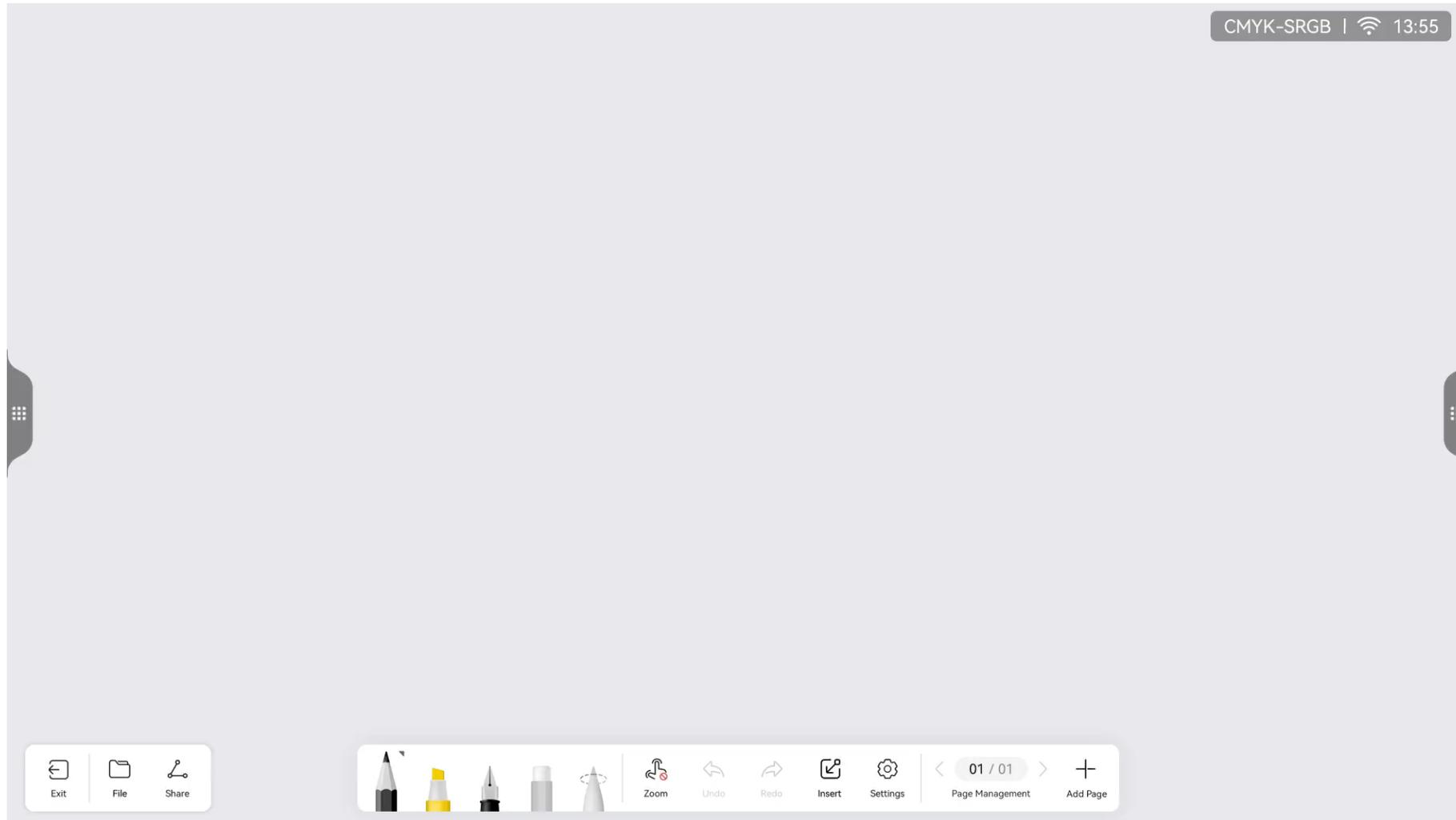
Zoom 👆 allows you to zoom in or out anywhere on the whiteboard, and co-author 👆 allows two people to write concurrently. Tap 👆 to switch to zoom, and vice versa.

🔔 **Note**

During co-authoring, the page cannot be zoomed in or out.

◎ Move the cursor to the video and click ▶ to play.

CMYK-SRGB | 13:55

Exit File Share

Zoom Undo Redo Insert Settings Page Management 01 / 01 Add Page

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, co-authoring is unavailable.

◎ Move the cursor to the video and click ▶ to play.
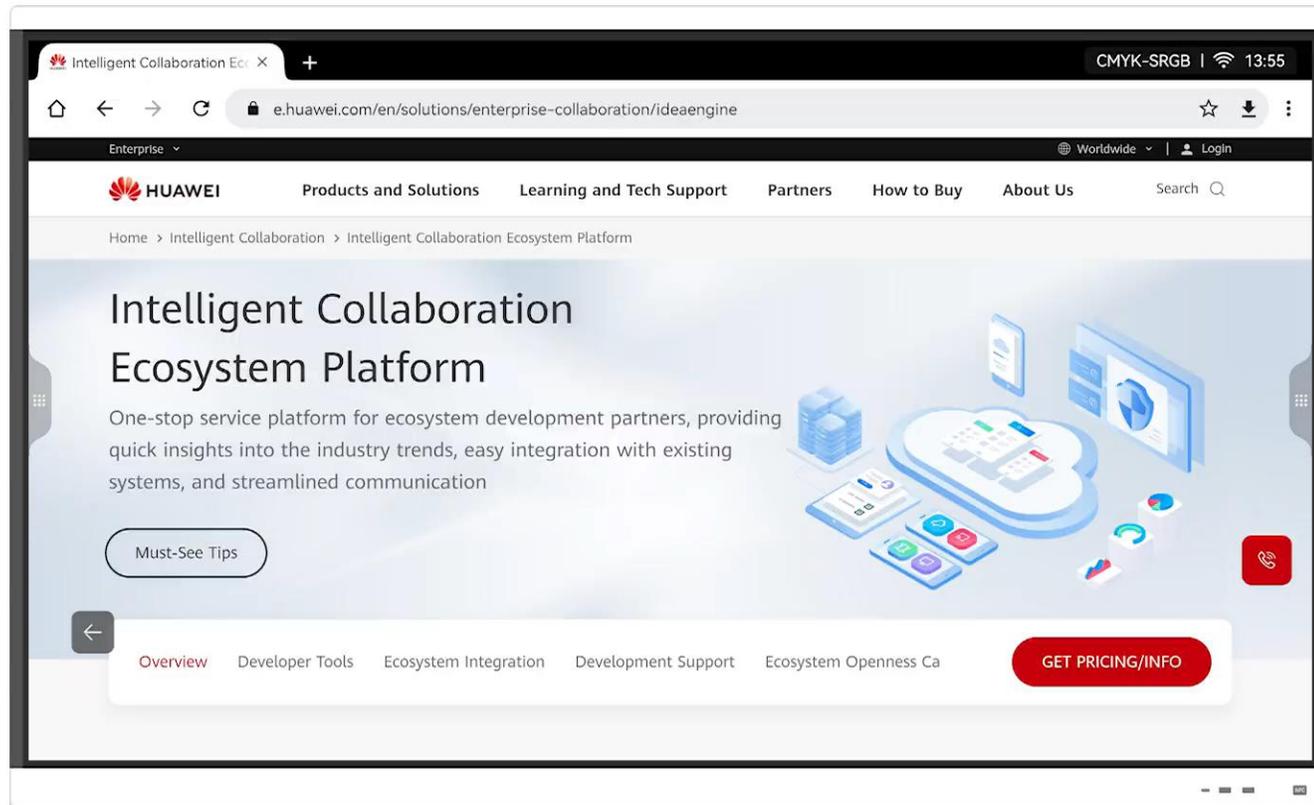
Global Annotation

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.

◎ Move the cursor to the video and click ▶ to play.
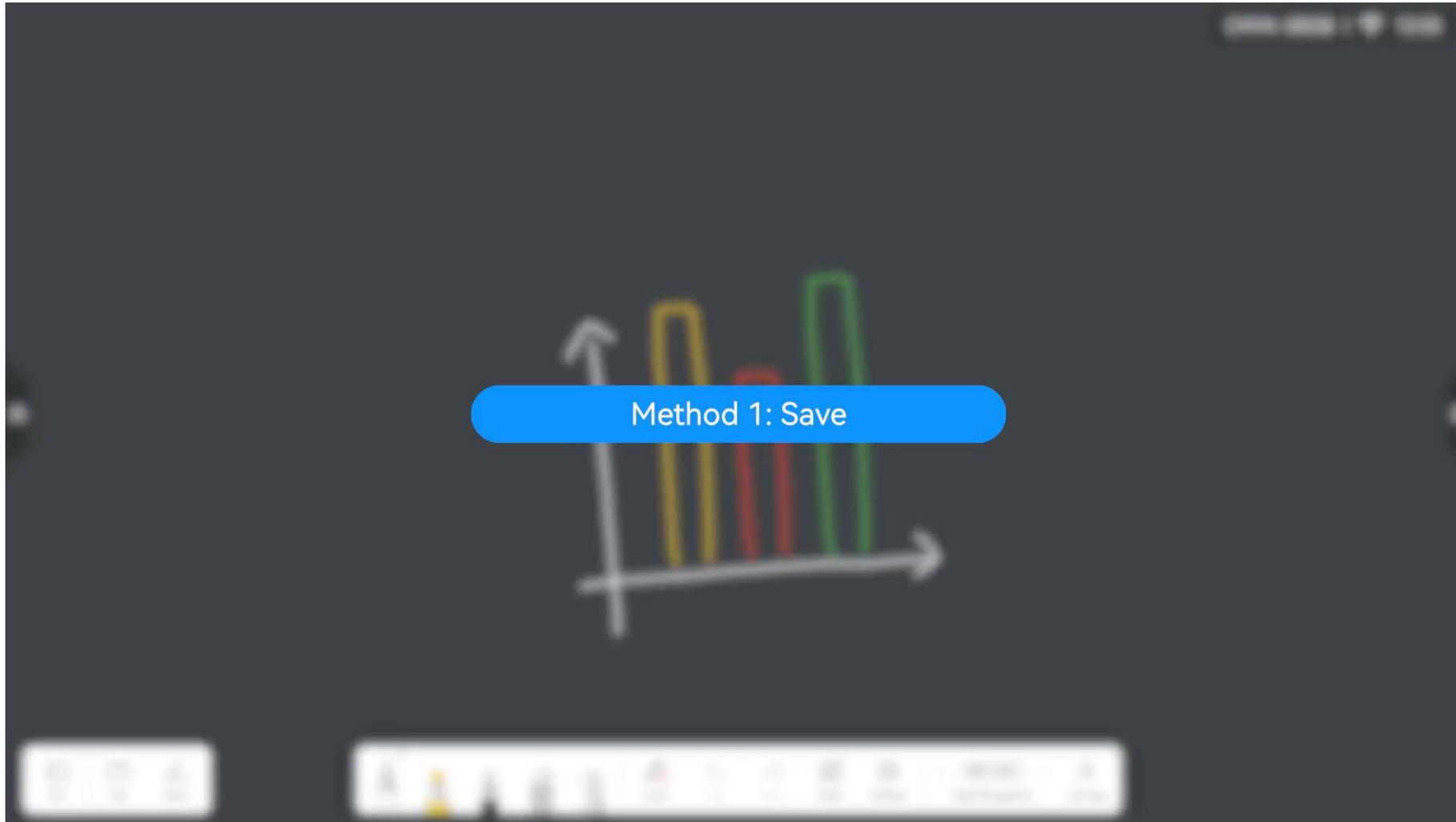
Method 1: Save

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 page, choose **Whiteboard > Settings** > **Advanced**, enable **Save Whiteboard** 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 or .pdf format).
- Scan: Use the scan function of the mobile client (Huawei Cloud Meeting, WeChat 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 page, tap **Settings** > **Advanced** > **System** > **Email Address Setting** > **Sender Email Address Setting** to configure the email address.

Remote Meeting

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

◎ Move the cursor to the video and click ▶ to play.

Site number: 01000000012345

NOSE-DFAU | 🖥 16:43

Projection Code

NOSE-DFAU

Use IdeaShare Client for Projection | Projection Network: ABC123

Meeting

Whiteboard

Projection

Get Started   ⚙ Settings   ⏻ Power

Create a Meeting
(On-Premises)

After the on-premises meeting environment 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, tap **Create Meeting** to create a meeting.

🔔 **Note**

On-premises capabilities supported by large screens vary with the large screen model. For details, see the **Product Documentation** > **FAQs** > **FAQs** > **Activation** > **What On-Premises Capabilities Can Be Activated on Large Screens?**. You can obtain the product documentation from Huawei technical support website.

◎ Move the cursor to the video and click ▶ to play.

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.
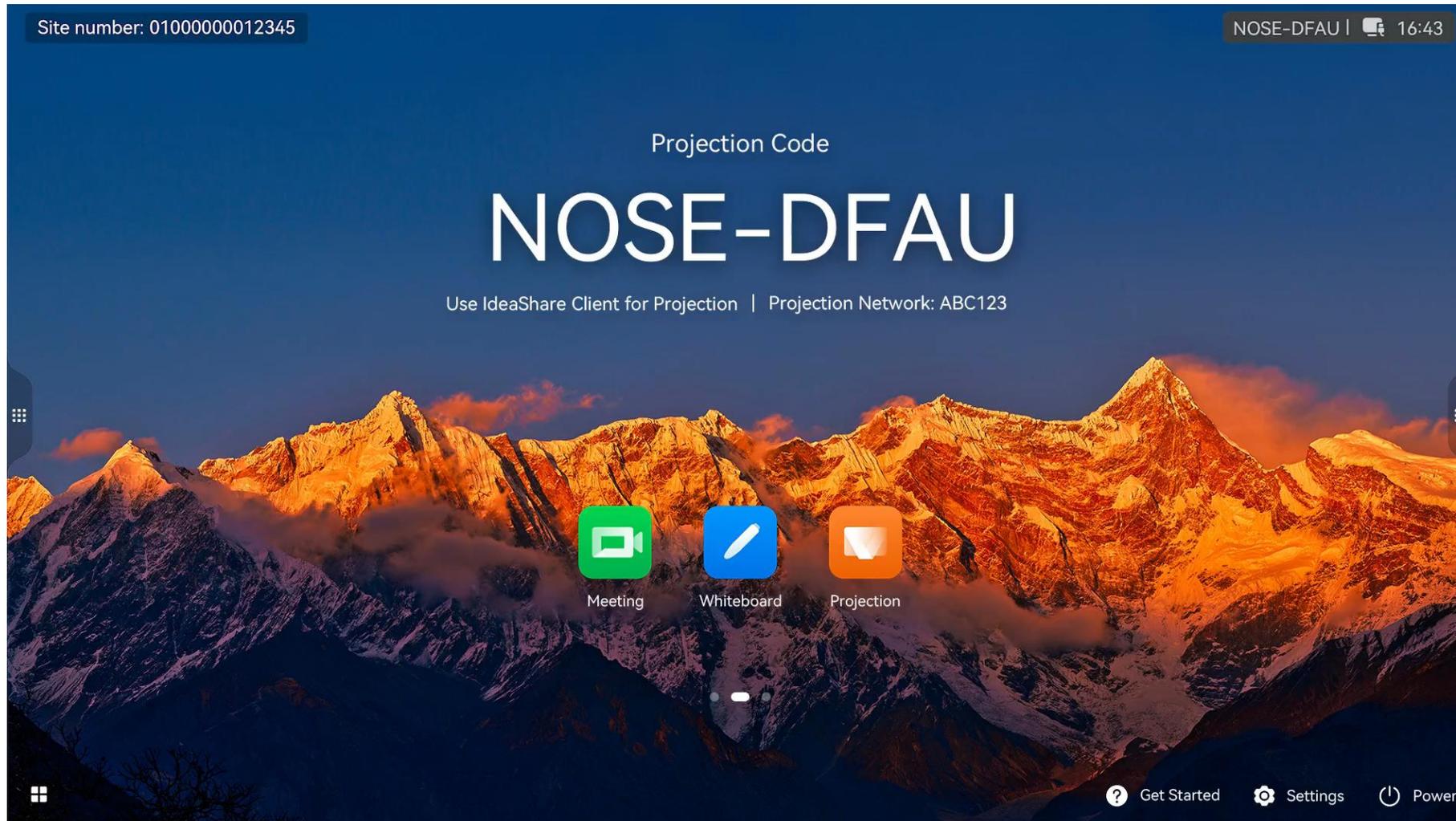
💡 **Method**

Tap the meeting icon on the home page. 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.

◎ Move the cursor to the video and click ▶ to play.

Site number: 01000000012345

NOSE-DFAU | 🖥 16:43

Projection Code

NOSE-DFAU

Use IdeaShare Client for Projection | Projection Network: ABC123

Meeting

Whiteboard

Projection

Get Started   ⚙ Settings   ⏻ Power

Join a Meeting (On-Premises)

In the on-premises meeting environment, you can quickly join a meeting using a meeting ID.

💡 Method

Tap the meeting icon on the home screen to go to the meeting screen. Enter the meeting ID and tap **Join**. Then, enter the guest password followed by the pound key (#) to join the meeting.

🔔 Note

On-premises capabilities supported by large screens vary with the large screen model. For details, see the **Product Documentation** > **FAQs** > **FAQs** > **Activation** > **What On-Premises Capabilities Can Be Activated on Large Screens?**. You can obtain the product documentation from Huawei technical support website.

◎ Move the cursor to the video and click ▶ to play.

NOSE-DFAU | 📶 13:55

Projection Code

CMYK-SRGB

Use IdeaShare Client for Projection | Projection Network: Wlanaccess2.0

Join a Meeting Using a Meeting ID

Cloud Meeting

Whiteboard

Projection

❓ Get Started   ⚙ Settings   ⏻ Power

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 page. 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 page 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.

◎ Move the cursor to the video and click ▶ to play.

Meeting ID: 9953455 ⓘ ⊕ ▮▮▮

CMYK-SRGB | 📶 13:55

Share Whiteboard

🎤 Microphone 🔊 Speaker 📹 Camera ▦ Share ▲ 👤² Sites 👤 Invite ⊞ Keypad ⋮⋮ More Leave

Share Content

Share content in a meeting.

💡 Method

- Sharing an app: Tap **Share** on the meeting control bar, select the app to be shared, and tap **Share** to share the app screen with the peer site.
- Sharing and projection: If you initiate projection during a meeting, you can directly share the projected content with the peer site.

🔔 Note

This video uses the on-premises meeting UI as an example, which is slightly different from cloud meeting UI. Please refer to the actual UI.

◎ Move the cursor to the video and click ▶ to play.

Meeting ID: 9953455 ⓘ ⊕ 🛡 ▮▮▮

CMYK-SRGB | 📶 13:55

Meeting Annotation

🎤 Microphone 🔊 Speaker 📷 Camera 🔲 Share 👥² Sites 👤 Invite 🔢 Keypad ⠿ More Leave

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

- Tap **Stop Sharing** on the meeting control bar in the lower right corner to stop annotation sharing during a meeting.
- This video uses the on-premises meeting UI as an example, which is slightly different from cloud meeting UI. Please refer to the actual UI.

◎ Move the cursor to the video and click ▶ to play.

Meeting Control - Microphone

You can control the local microphone in a meeting.

💡 **Method**

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

🔔 **Note**

This video uses the on-premises meeting UI as an example, which is slightly different from cloud meeting UI. Please refer to the actual UI.

◎ Move the cursor to the video and click ▶ to play.

Meeting ID: 9953455 ⓘ ⊕ ⏹

GKLG-PIKM | 🖥 16:43

Microphone Speaker Camera Share Sites Invite Keypad More Leave

Meeting Control - Speaker

You can adjust the local speaker in a meeting.

💡 **Method**

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

🔔 **Note**

This video uses the on-premises meeting UI as an example, which is slightly different from cloud meeting UI. Please refer to the actual UI.

◎ Move the cursor to the video and click ▶ to play.

Meeting ID: 9953455 ⓘ ⊕ ▬▬▬

GKLG-PIKM | ▣ 16:43

Microphone Speaker Camera Share Sites Invite Keypad More Leave

Meeting Control - Camera

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

💡 **Method**

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

🔔 **Note**

This video uses the on-premises meeting UI as an example, which is slightly different from cloud meeting UI. Please refer to the actual UI.

◎ Move the cursor to the video and click ▶ to play.

Meeting ID: 9953455 ⓘ ⊕ ⏸

GKLG-PIKM | 🖥 16:43

Microphone | Speaker | Camera | Share | Sites | Invite | Keypad | More | Leave

Meeting Control - Joining by Invitation

The meeting chairperson can invite others to join a meeting.

💡 **Method**

During a meeting, tap **Invite** in the control bar at the bottom. After the invitees agree, they can be invited to the meeting.

🔔 **Note**

This video uses the on-premises meeting UI as an example, which is slightly different from cloud meeting UI. Please refer to the actual UI.

◎ Move the cursor to the video and click ▶ to play.

Meeting Control - Layout

You can change the image layout in a meeting.

💡 **Method**

In a multistreaming meeting, tap **Layout** on the control bar at the bottom to switch the meeting layout. The options are as follows:

- Presenter mode
- PiP mode
- Gallery mode
- For more enhanced layouts, deliver them from the SMC conf-portal.

🔔 **Note**

Only on-premises meetings with multistreaming meeting function enabled support the layout change.

◎ Move the cursor to the video and click ▶ to play.

Meeting ID: 9953455 ⓘ ⊕ ▥ ▥ ▥

GKLG-PIKM | 🖥 16:43

🎤 Microphone   🔊 Speaker   📹 Camera   ▥ Share   👤 Sites 2   👤 Invite   ⠿ Keypad   :: More   🔴 Leave

Meeting Control - More

You can view more meeting settings in a meeting.

💡 Method

During a meeting, tap **More** in the control bar at the bottom to perform the following operations:

- Viewing meeting information
- Camera (Intelligent Tracking)
- Raise Hand
- Releasing/Applying for the chair role
- Extending a meeting (supported by the chair)
- Focus on Speaker
- Showing/Hiding the meeting ID
- Lock Meeting

🔔 Note

This video uses the on-premises meeting UI as an example, which is slightly different from cloud meeting UI. Please refer to the actual UI.

Screen Projection

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

◎ Move the cursor to the video and click ▶ to play.

Use the IdeaShare client to implement BYOM
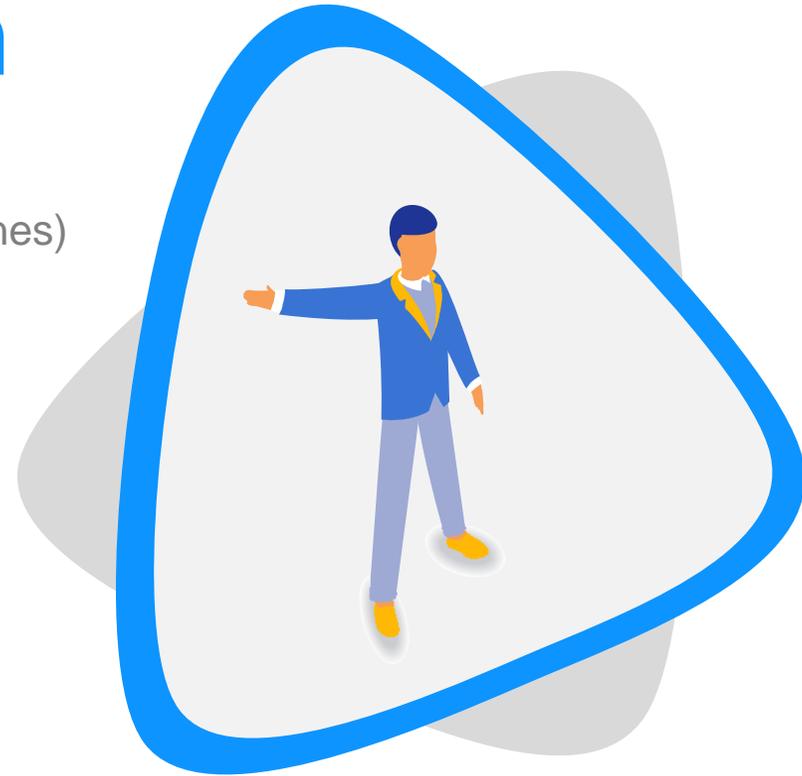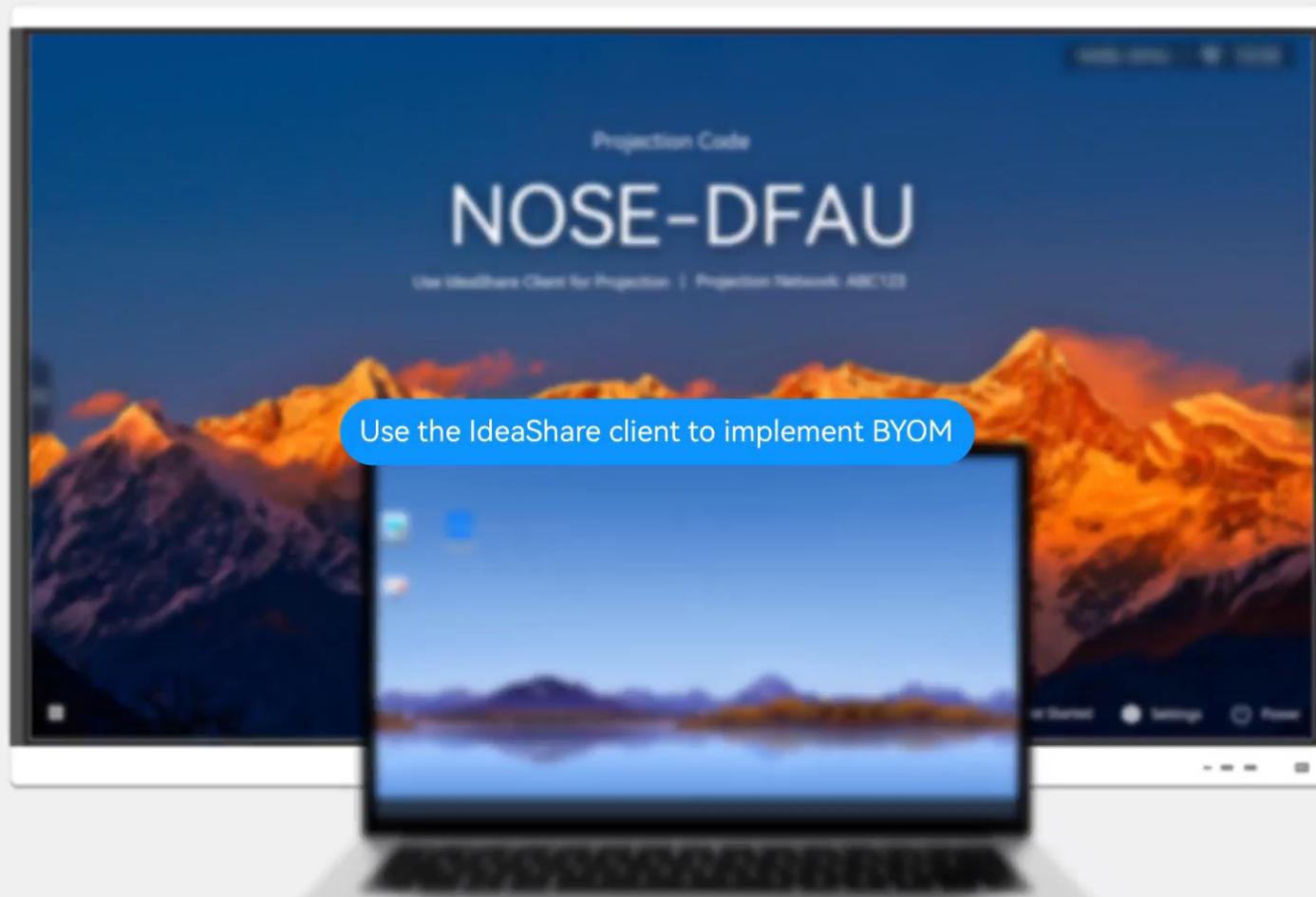
BYOM (IdeaShare Client)

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

◎ Move the cursor to the video and click ▶ to play.
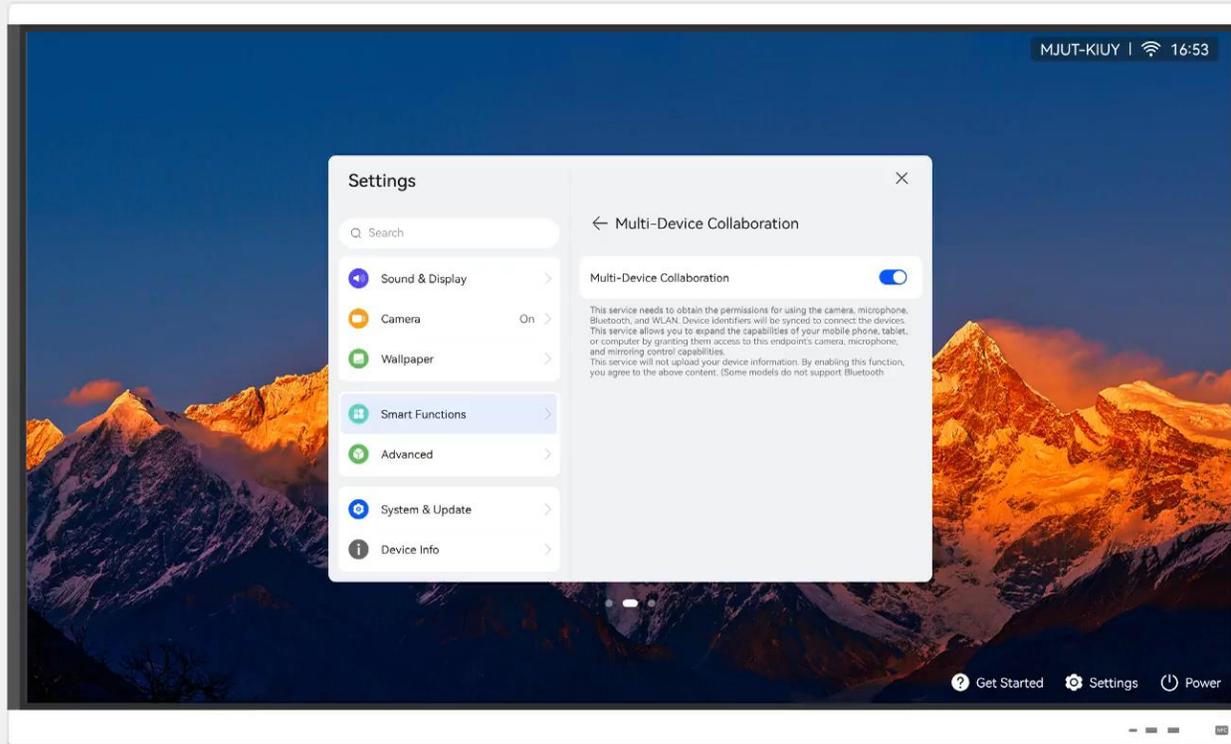
BYOM (Multi-Device Collaboration with Phones)

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.
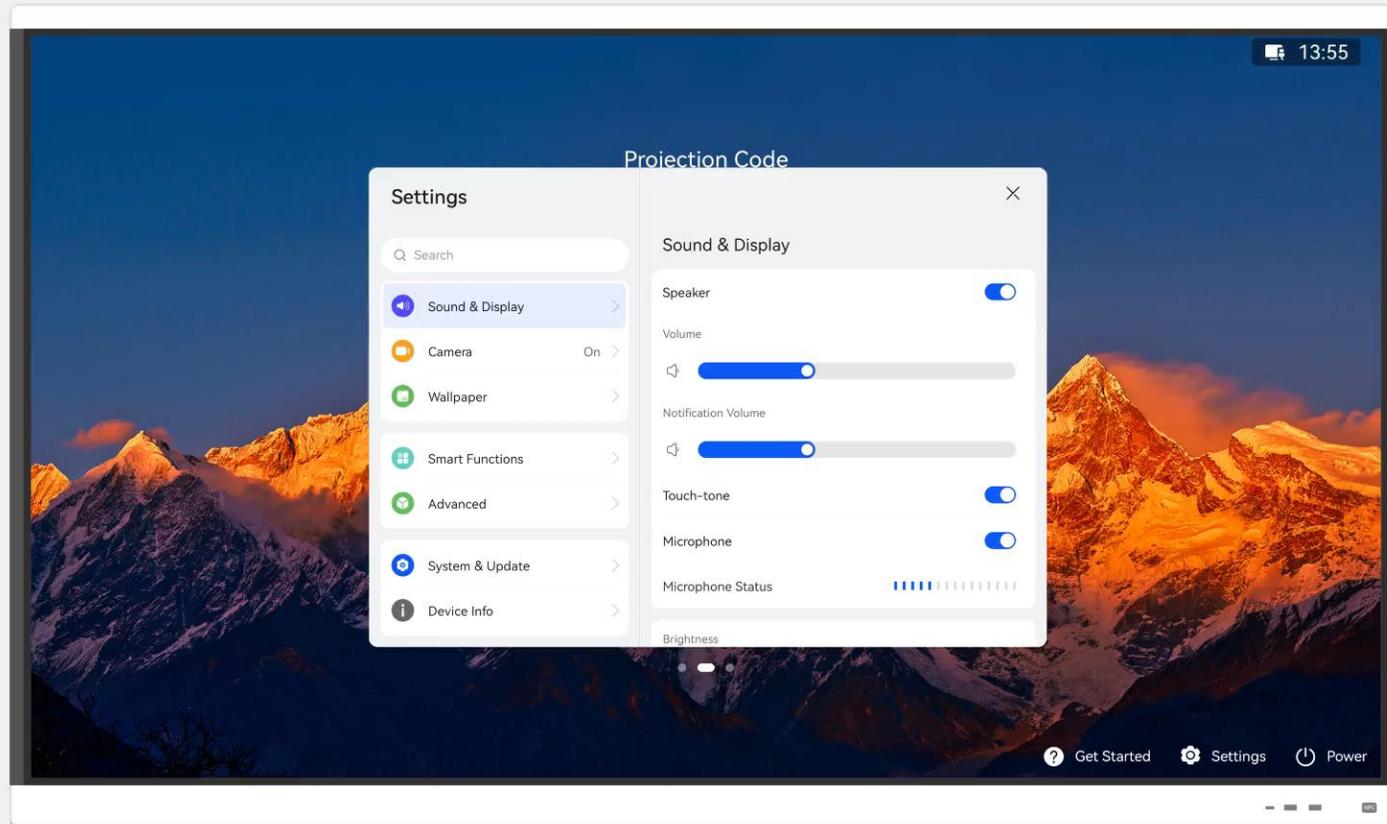
💡 Method

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, 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.

◎ Move the cursor to the video and click ▶ to play.

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 or later.

◎ Move the cursor to the video and click ▶ to play.

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.
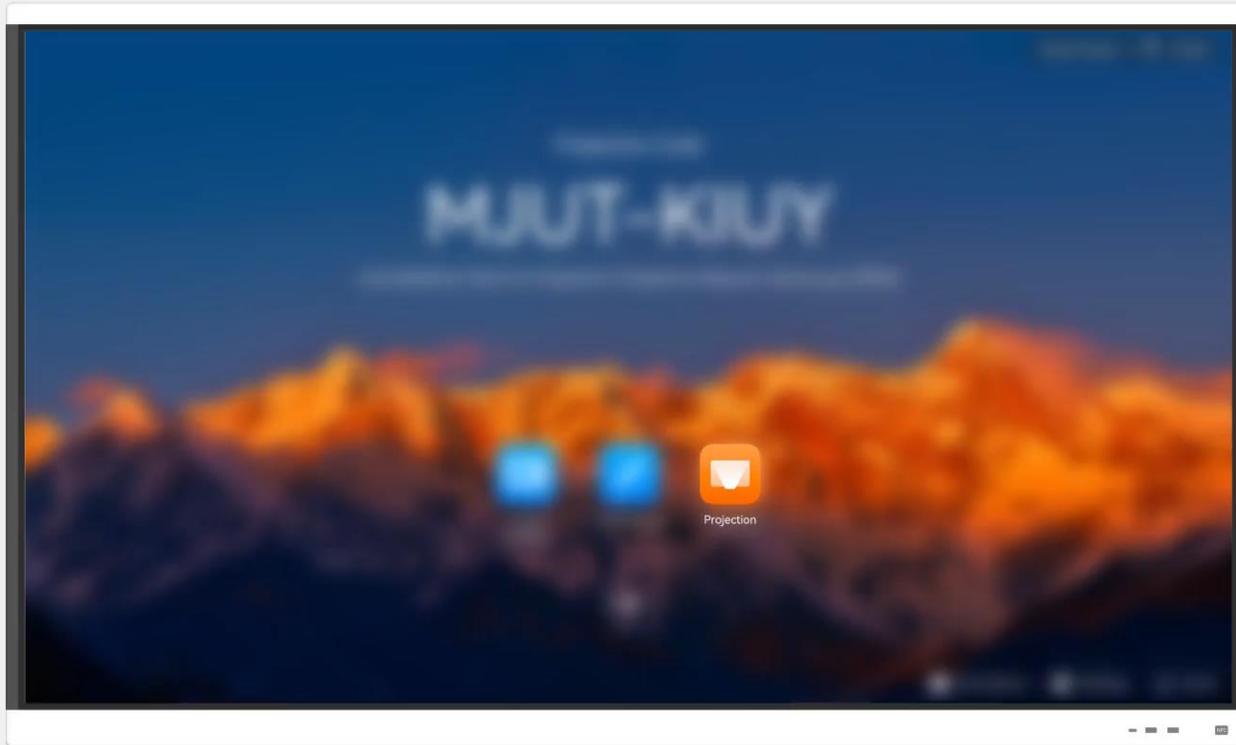
💡 Method

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 or later
  ➢ 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.

◎ Move the cursor to the video and click ▶ to play.

DLNA Projection

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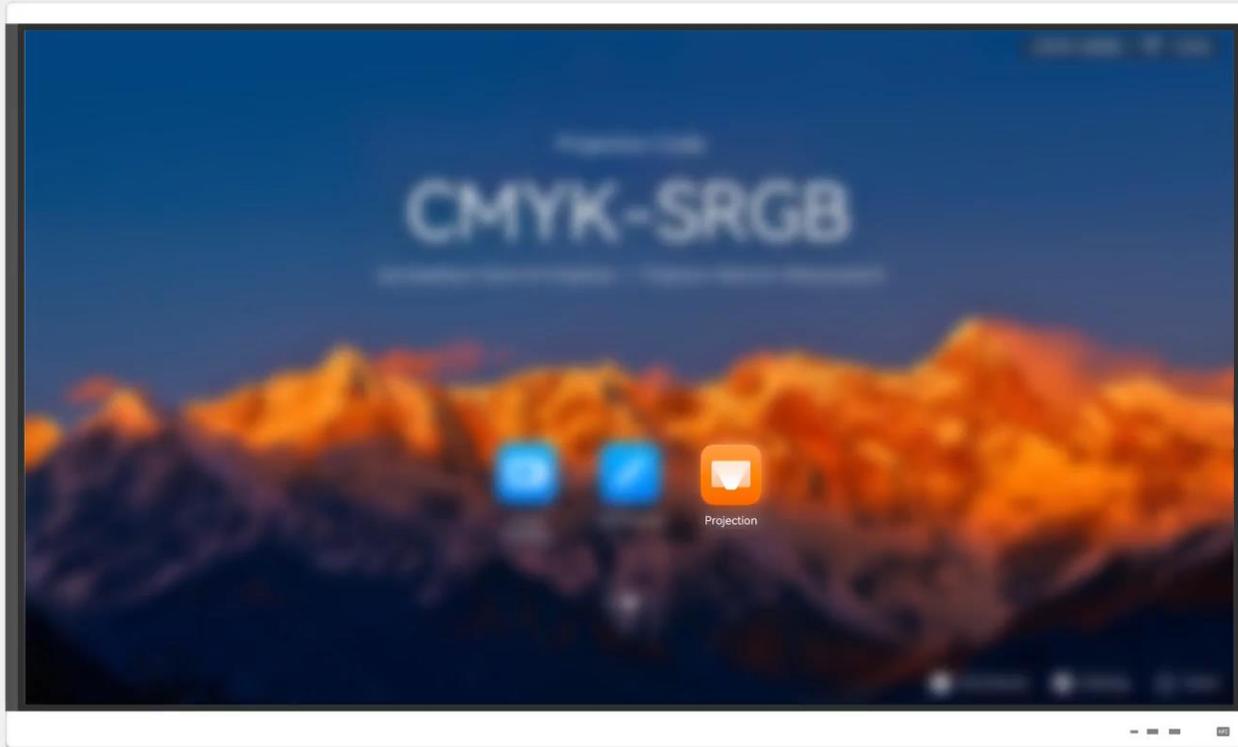
💡 Method

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.

◎ Move the cursor to the video and click ▶ to play.

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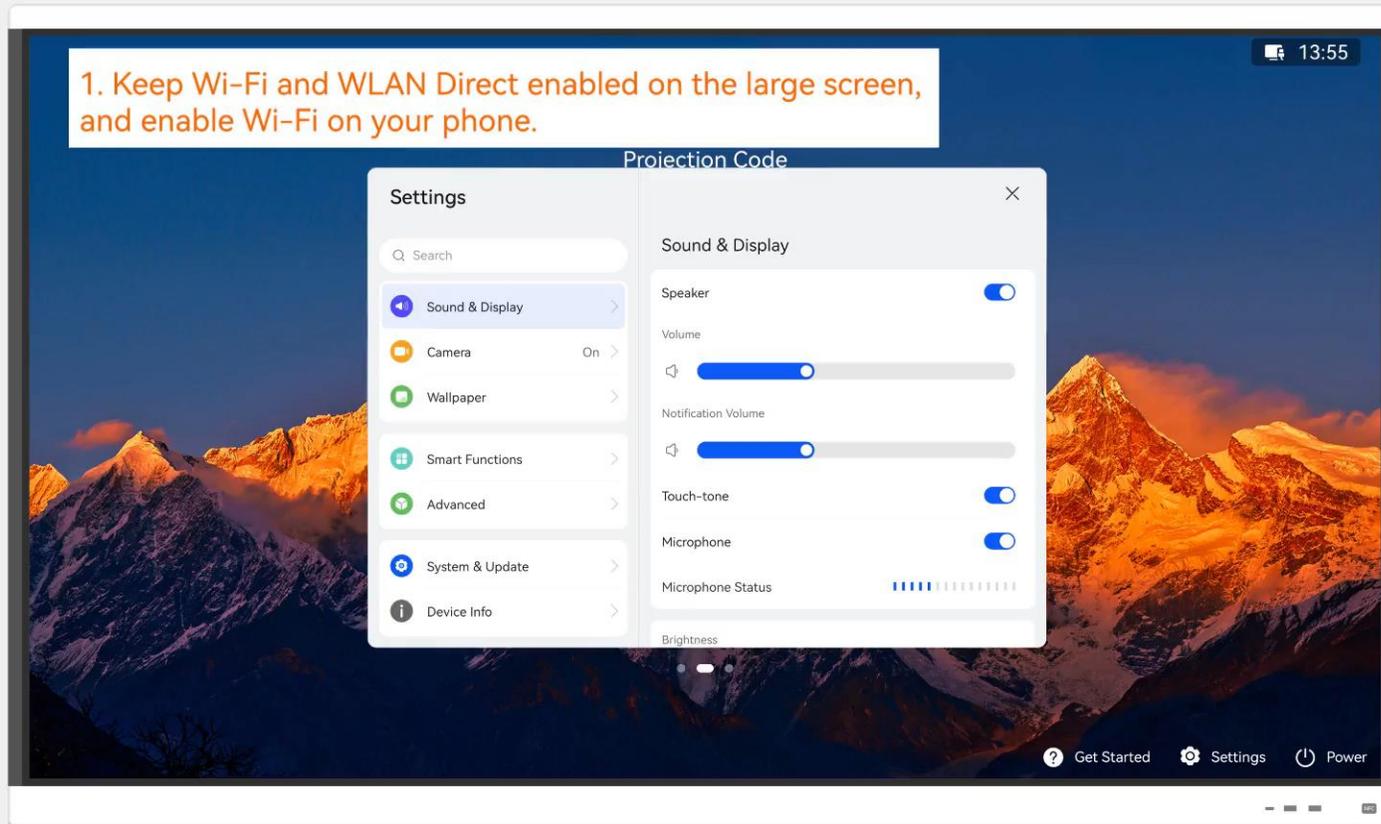
Method

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.

◎ Move the cursor to the video and click ▶ to play.

1. Keep Wi-Fi and WLAN Direct enabled on the large screen, and enable Wi-Fi on your phone.

Projection with Miracast

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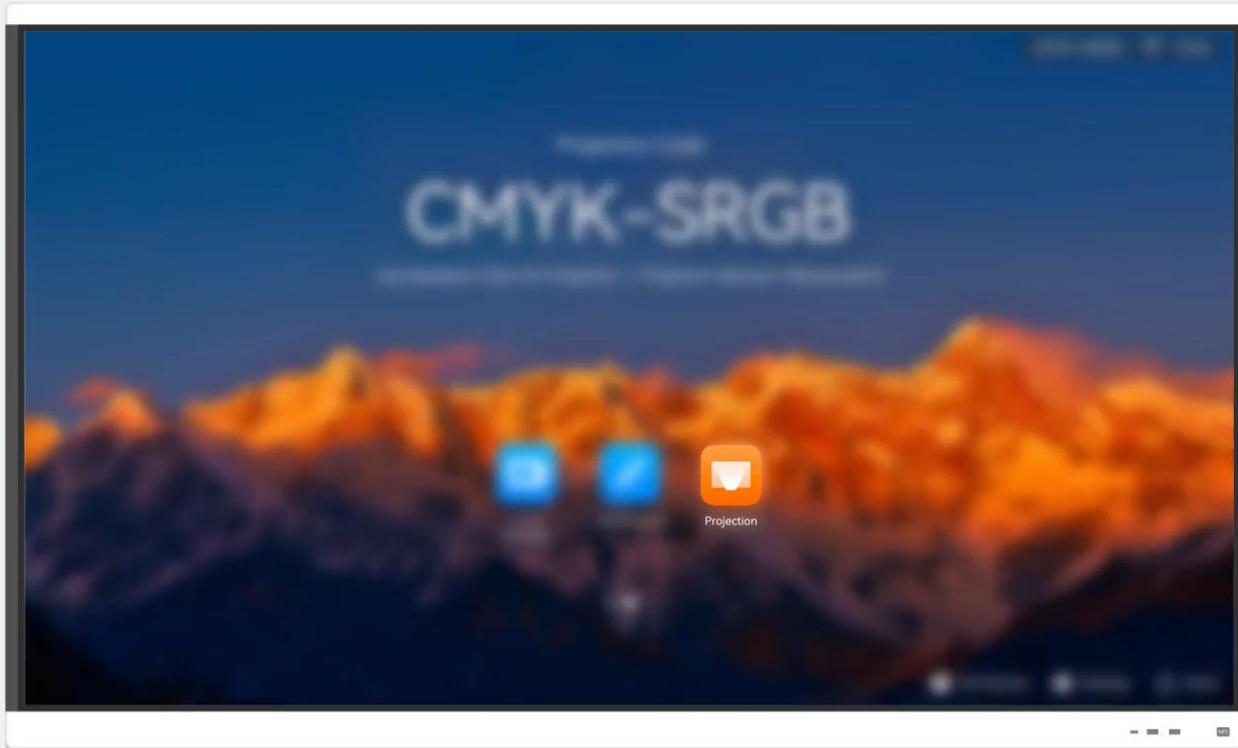
💡 Method

1. Keep **Wi-Fi** and **WLAN Direct** enabled on the large screen, and enable Wi-Fi on your phone. 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. From the search list, select an available large screen device to start projection.

🔔 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.

◎ Move the cursor to the video and click ▶ to play.

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.
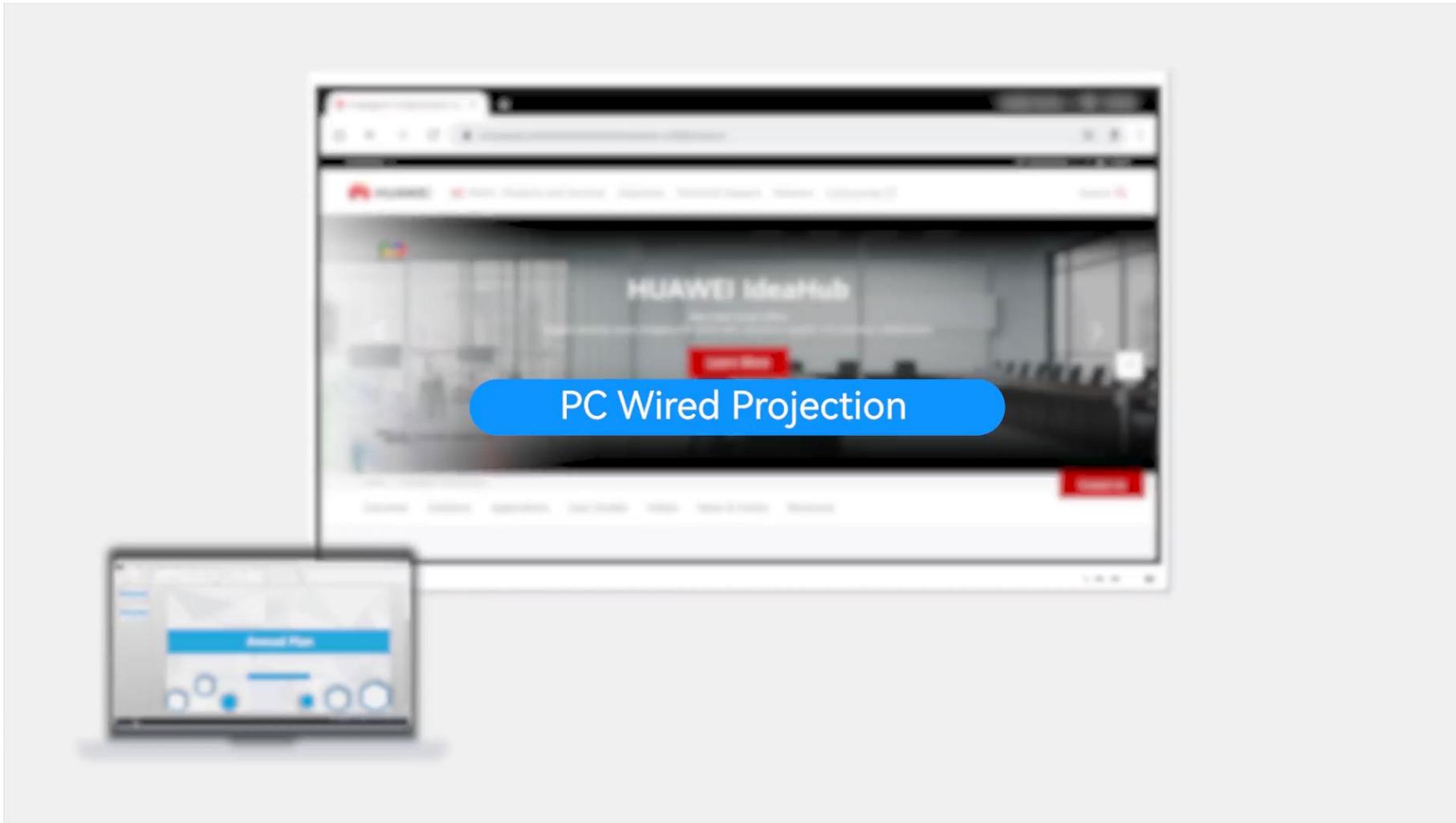
💡 Method

1. Earlier version on the large screen: Enable **Multi-screen Interaction** or **Multi-Device Collaboration**.
   HarmonyOS 4.0 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.

◎ Move the cursor to the video and click ▶ to play.

PC Wired Projection

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.

◎ Move the cursor to the video and click ▶ to play.

PC Client Projection (IdeaShare)

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.

◎ Move the cursor to the video and click ▶ to play.

IdeaShare Key Projection

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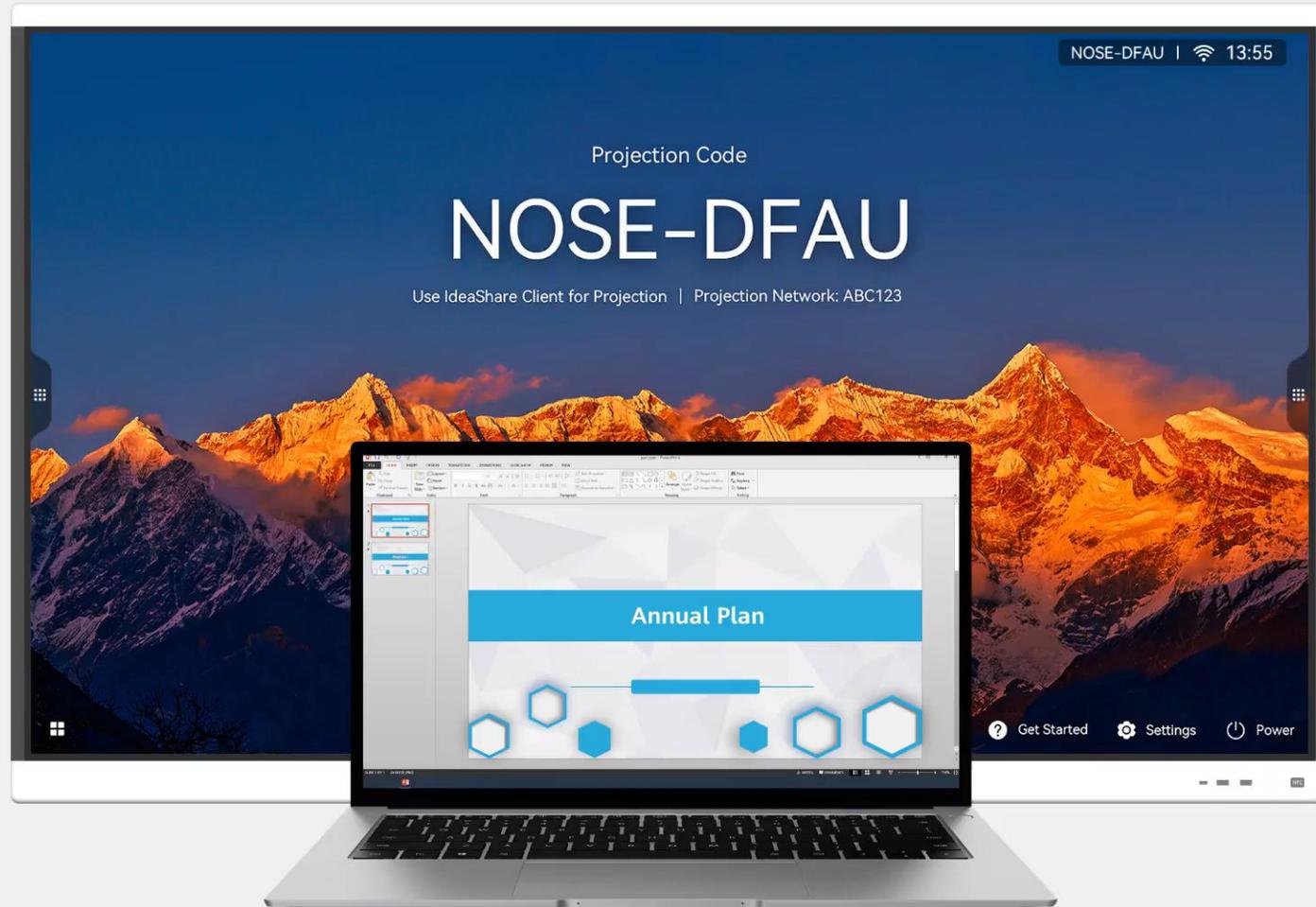
💡 Method

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.

◎ Move the cursor to the video and click ▶ to play.

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

◎ Move the cursor to the video and click ▶ to play.
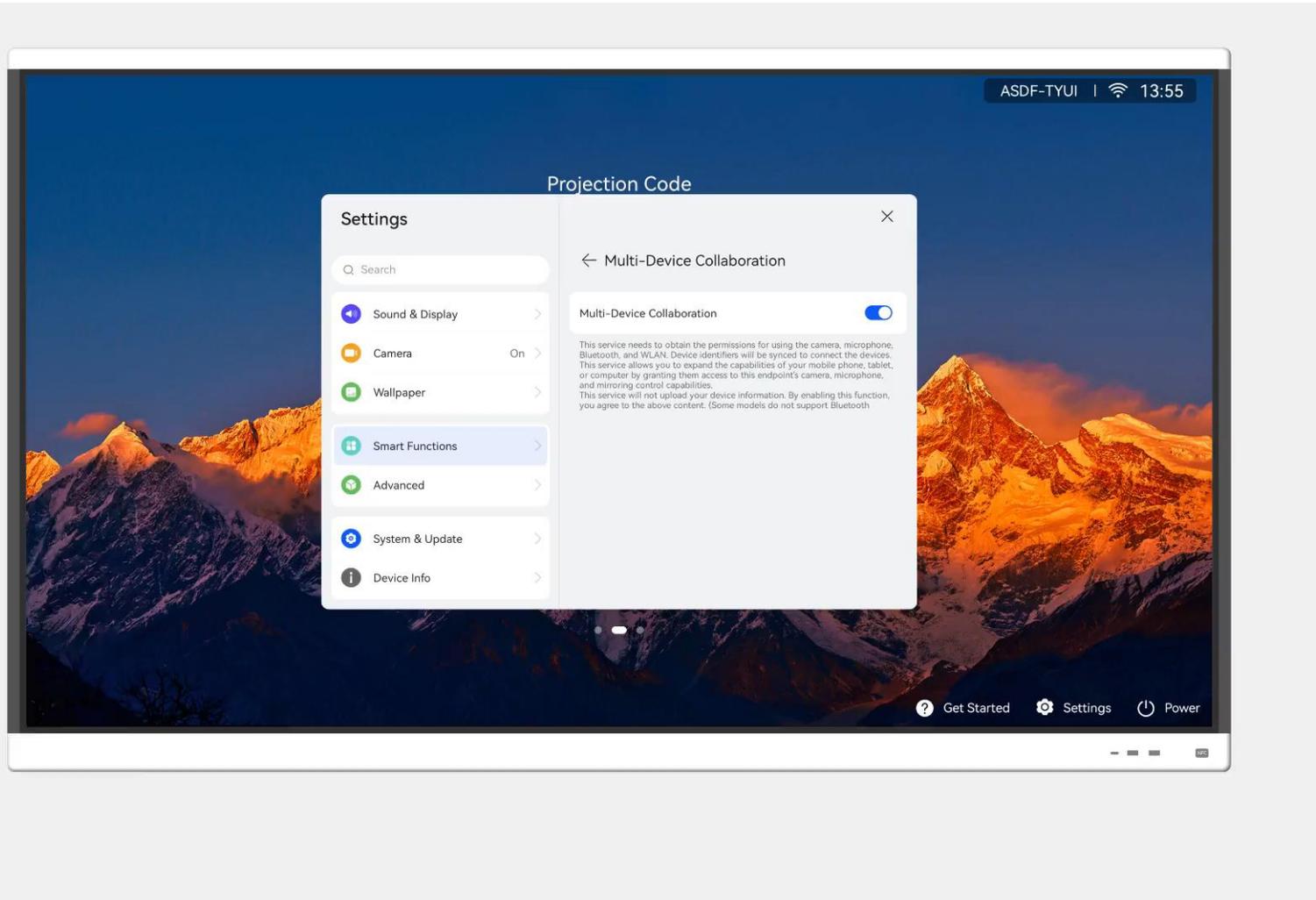
Mirror & Control

After the IdeaShare client is connected to a large screen, you can tap **Mirror & Control** on the client to control the large screen.

💡 Method

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 (used with IdeaShare V7.03.1.01 or later)
  ◆ HarmonyOS 2.0 or later (used with IdeaShare V7.03.1.01 or later)
  ◆ iOS 13.0 or later (used with IdeaShare V2.0.0 or later)
- If **Require authorization for mirroring control** is enabled on the web interface, authorization on the large screen is required when the IdeaShare client initiates mirror & control for the first time.

Peripherals

1. Use OPS
2. Controller
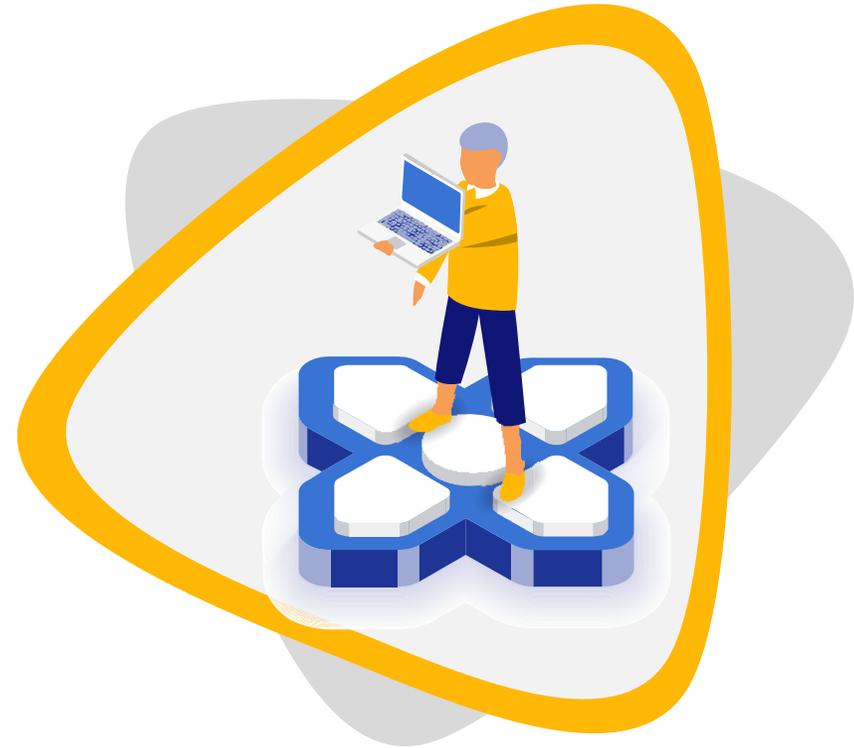
◎ Move the cursor to the video and click ▶ to play.
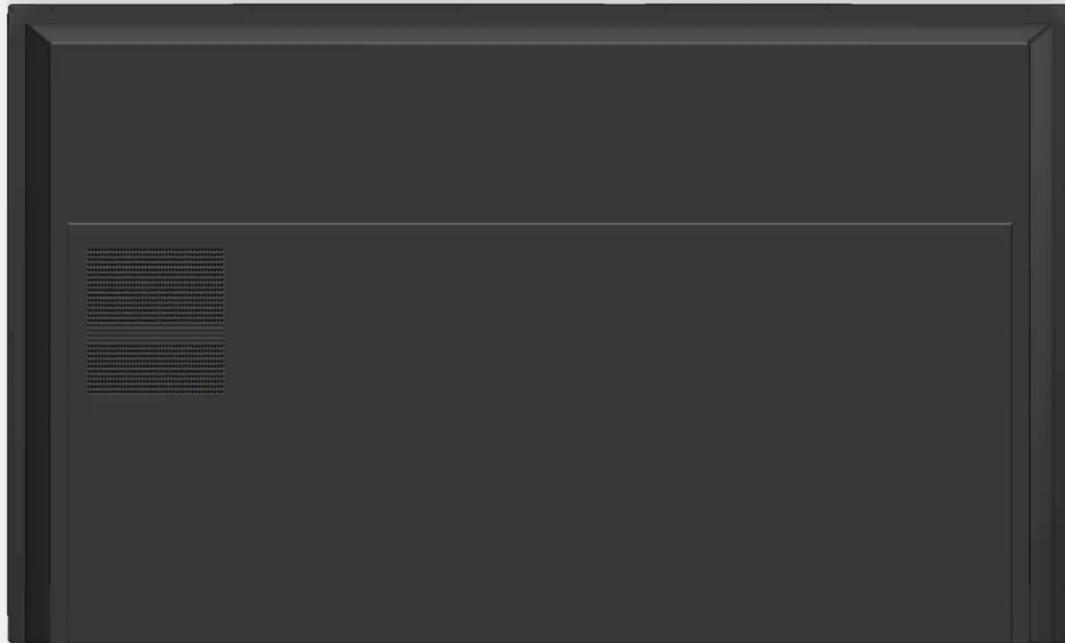
Use OPS

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 page 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 page. 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**.
- 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 page and set a password, which is required for accessing advanced settings in HarmonyOS or Windows mode.

◎ Move the cursor to the video and click ▶ to play.

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

If the large screen has been connected to the OPS, you are advised to perform the following configurations before inserting the Controller receiver into the USB Type-A port in the lower right corner of the large screen:

- In HarmonyOS mode, choose **Settings** > **Advanced** > **Input/Output** > **USB** in the lower right corner of the large screen, disable **Automatic Switchover**, and set **USB Mode** to **HarmonyOS mode**.
- In Windows mode, swipe right from the left edge of the large screen to display the shortcut operation screen, tap **Advanced**, and enable **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.

Smart Functions

1. Intelligent Tracking
2. Acoustic Baffle

Voice tracking

(conversation mode supported)

Conversation mode: split-screen display

Conversation mode: combined display

Auto-Framing

Intelligent Tracking

When intelligent tracking is enabled, voice tracking or Auto-Framing can be implemented during a meeting.

💡 Method

Choose **Settings** > **Camera** in the lower right corner of the home screen. When the camera is turned on, you can enable **Intelligent Tracking**. Then select **Voice Tracking** or **Auto-Framing** to enable the selected function.

🔔 Note

Voice Tracking:

- When a participant speaks, the camera automatically takes a close-up of the speaker. If no one speaks, the focal length of the camera is automatically adjusted based on the number and locations of participants to display the panoramic view of all participants at a site.
- Voice tracking supports two-person conversations. When two persons speak in turn (such as A-B-A mode), the large screen will trigger a conversation mode.
  - ➢ Split-screen display: When two persons are far away from each other, the large screen displays the close-up images of the two persons in two panes.
  - ➢ Combined display: When two persons are close to each other, their close-up images are combined to display on the large screen.

Auto-Framing:

With this function, the camera automatically adjusts its focal length based on the number of participants and their locations to display the panoramic view of all participants at a site.
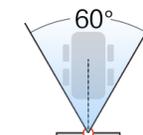
Acoustic Baffle

When the acoustic baffle function is enabled during a meeting, noise outside the invisible sound wall at the local site can be effectively reduced to prevent impact on remote sites.
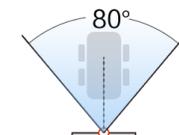
💡 Method

In the lower right corner of the home screen, choose **Settings** > **Smart Functions** > **Acoustic Baffle** and enable the function. After this function is enabled, you can adjust the sound pickup range for the acoustic baffle. The sound pickup distance is 6-meter.
The following figure shows the sound pickup range.

Pickup range: Small   **Pickup range: Big**

60°   80°

Center of the large screen   Center of the large screen

🔔 Note

The acoustic baffle is not supported in the following situations:
- An external microphone or camera is connected to the large screen.
- Dual audio channels have been enabled for the current meeting.
- **AUDIO IN echo cancellation** has been enabled on the web interface.

More

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

◎ Move the cursor to the video and click ▶ to play.

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.

◎ Move the cursor to the video and click ▶ to play.

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.

◎ Move the cursor to the video and click ▶ to play.

Projection Code

CMYK-SRGB

Use IdeaShare Client for Projection | Projection Network: Wlanaccess2.0

CMYK-SRGB | 📶 13:55

Meeting Whiteboard Projection

❓ Get Started   ⚙ Settings   ⏻ Power

Customize Home Screen Apps

You can customize the app icons on the home page.

💡 **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 page, and tap ➕ .
- Method 2: Swipe left on the home page 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 page.
- The content displayed may vary depending on large screen configurations and models. The actual page prevails.
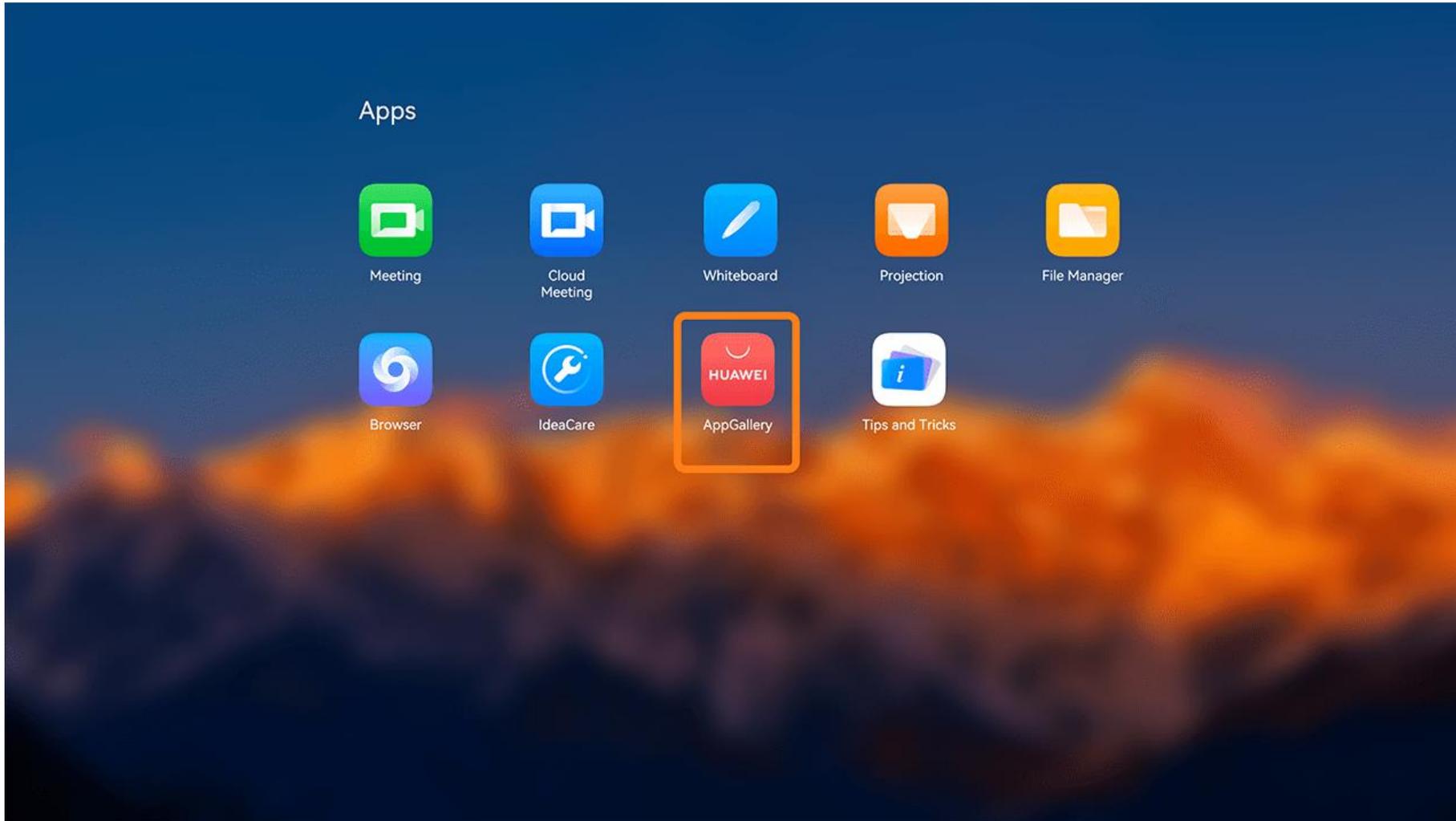
Download App

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 page 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.

◎ Move the cursor to the video and click ▶ to play.

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.

Projection Code

CMYK-SRGB

Use IdeaShare Client for Projection | Projection Network: Wlanaccess2.0

Cloud Meeting

Whiteboard

Projection

Get Started   Settings   Power

THANKS