



# HUAWEI IdeaHub B2

## 2.1 Must-See Tips





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# Whiteboard

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5. Co-Author
6. Smart Pen
7. Save & Take Away



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### Method 1: Create New Whiteboard

### Open Whiteboard

You can create a whiteboard page or open a whiteboard by scanning the QR code or from the local storage.

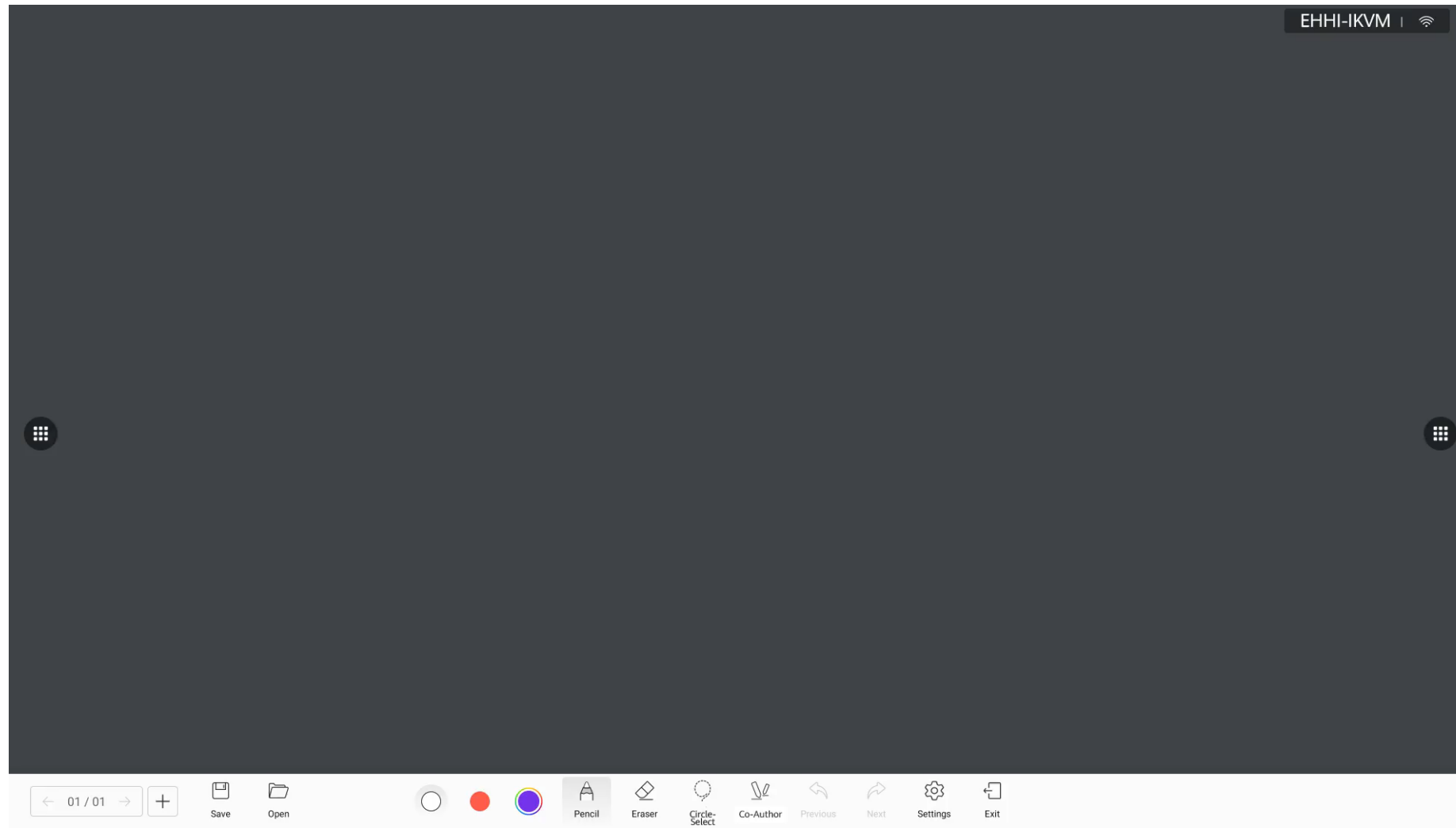
#### Method

- Tap the whiteboard icon on the home page to create a whiteboard.
- To open a whiteboard file, tap **Open** in the lower left corner of the whiteboard, and open the whiteboard as prompted.

#### Note

**QR Code:** Scan the QR code using the **Scan** function of a supported mobile client (HUAWEI CLOUD Meeting) to open a whiteboard file.

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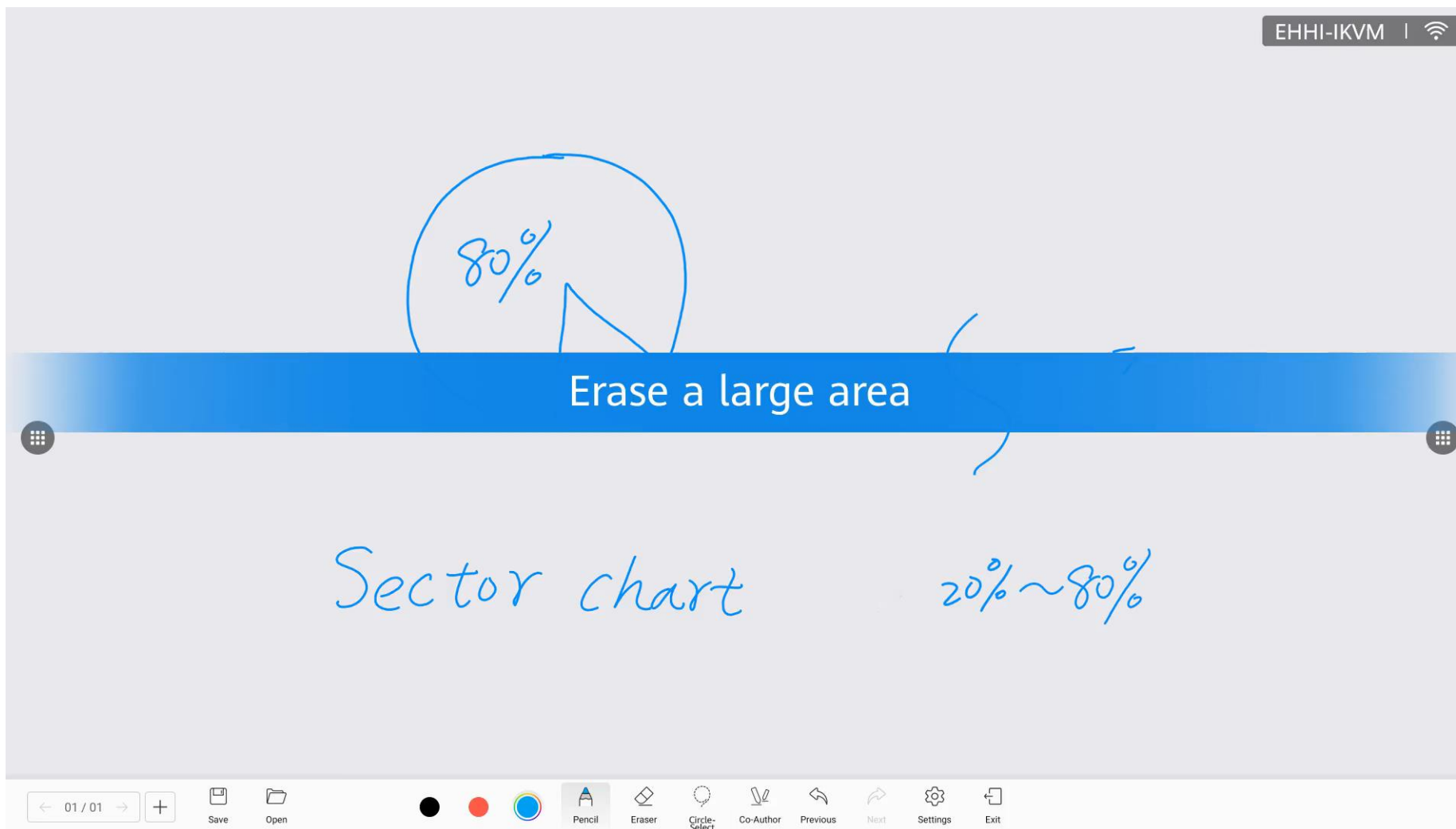
## Canvas & Pen

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

### Method

- Tap **Setting**  and select a whiteboard background.
- Tap  to select a pen type or adjust the thickness for handwriting.
- Tap    and select a pen color.

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## Erase

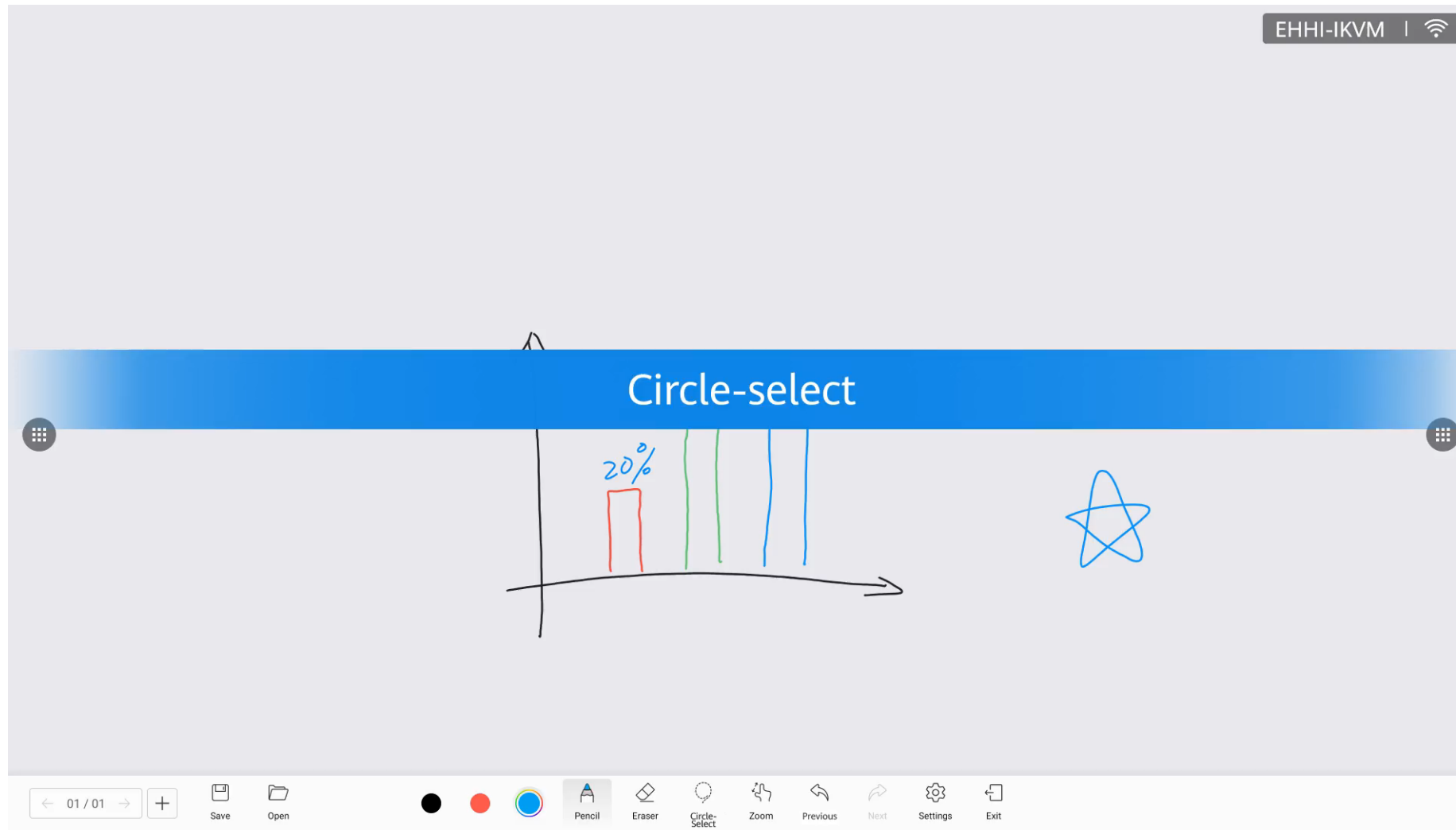
You can select different methods to erase or clear all based on the size of the area to be erased.

### 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.
- Tap **Eraser**  and use your fingertip to erase content in a tiny area.
- Tap **Eraser**  and select **Clear All**  to clear all content on the current page.

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## Circle-Select & Zoom

You can circle, zoom in or out, and delete the selected area.

### Method

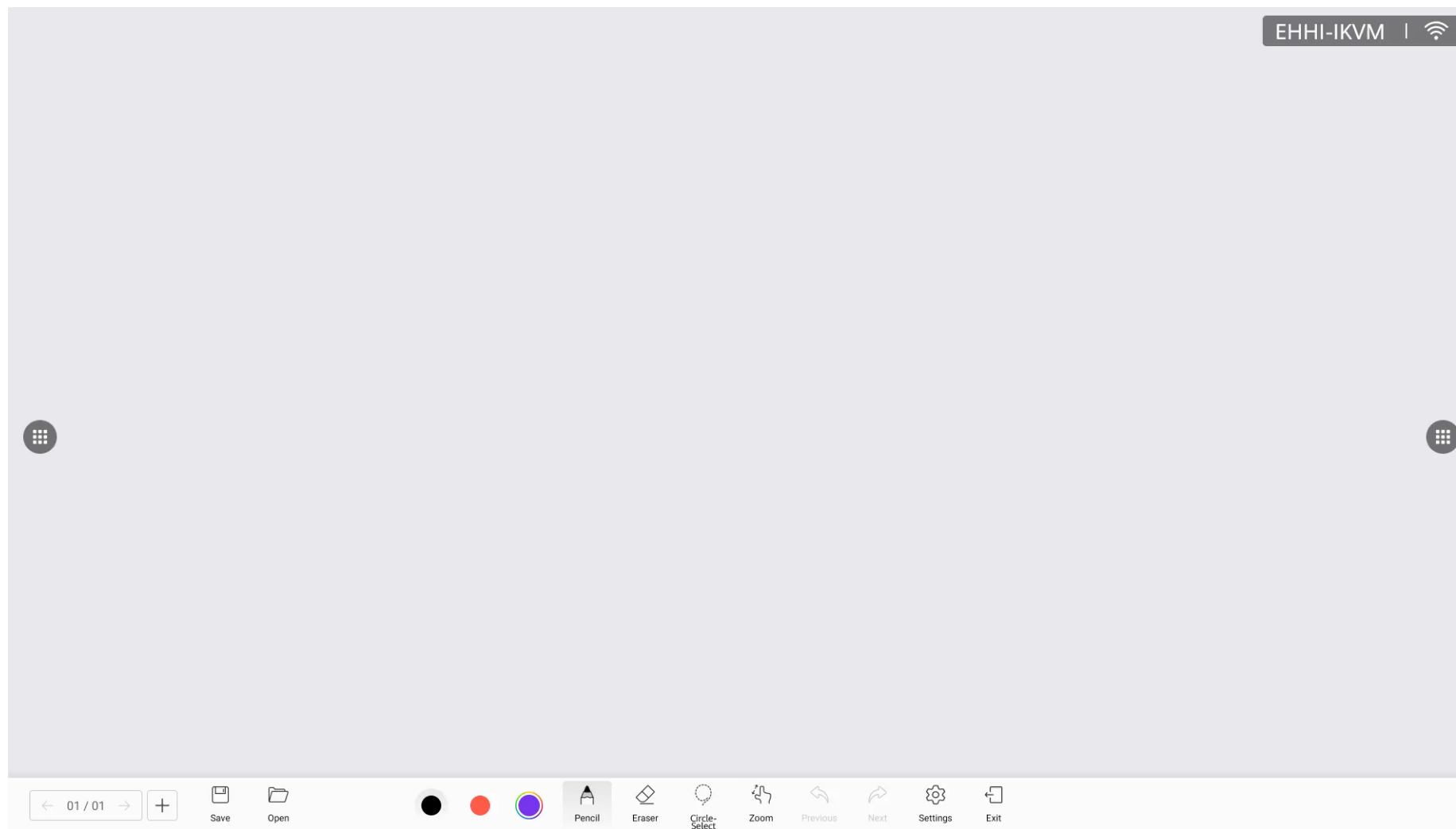
**Circle-Select:** Tap **Circle-Select**  and circle an area to move, zoom in or out, or delete content in the area.

**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 **Co-Author**  to switch to **Zoom** , and vice versa.

### Note

In **Zoom** mode, co-authoring is not available.

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## Co-Author

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

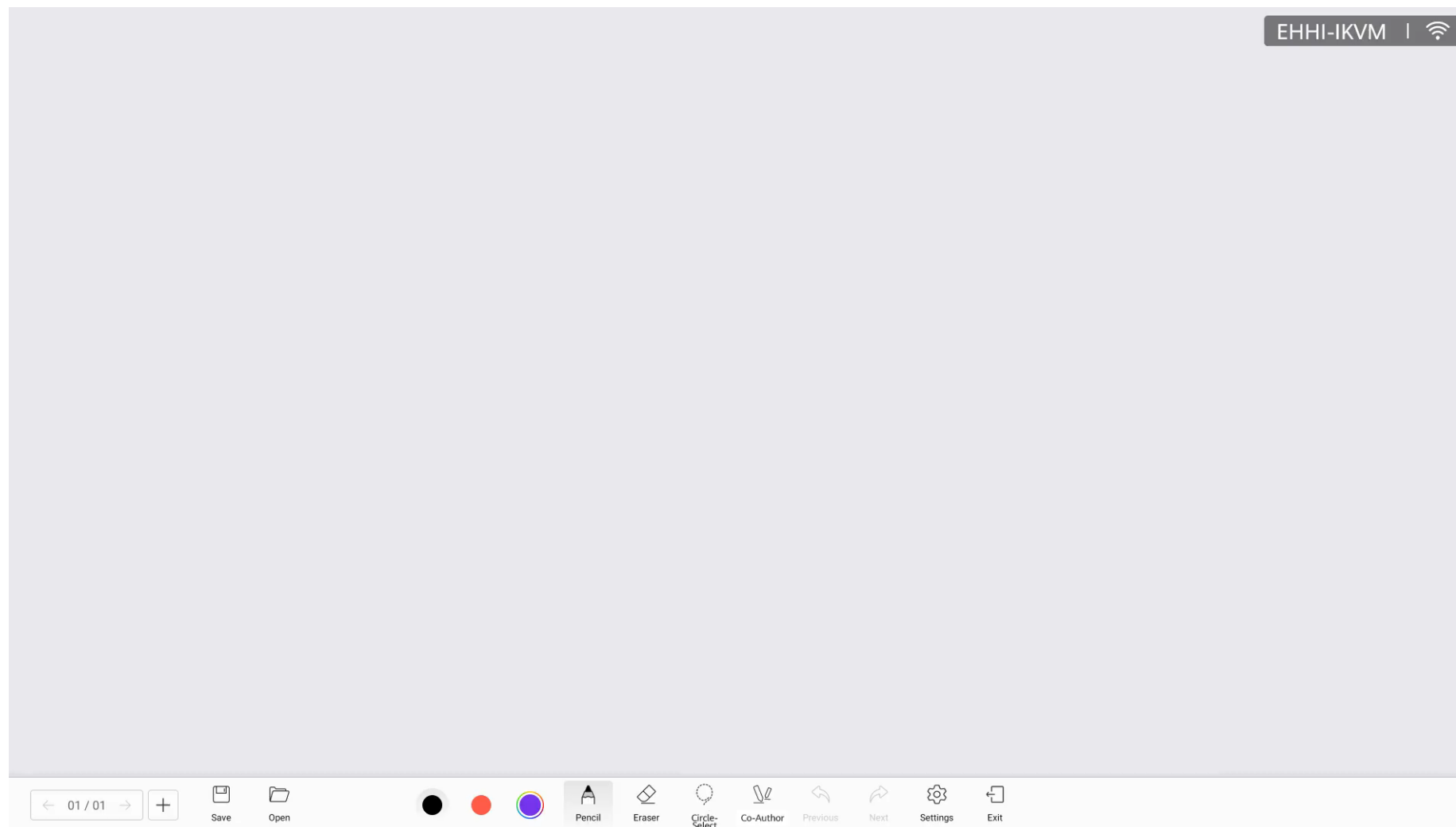
### Method

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. **Co-Author**  allows two people to write concurrently, and **Zoom**  allows you to zoom in or out anywhere on the whiteboard. Tap **Zoom**  to switch to **Co-Author** , and vice versa.

### Note

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

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## Smart Pen

After Smart Pen is enabled, select **Text**  and write. Your handwriting can be recognized as digital text. Select **Chart**  to draw shapes that will be recognized as graphics. In addition, you can swipe to clear text.

### Method

On the whiteboard page, choose **Setting** > **Smart pen** to enable this function. Tap  or  to write or draw, respectively.

### Note

- The supported intelligent graphics include straight lines, arrows, circles, ellipses, squares, rectangles, and triangles.
- In the **Smart Pen** mode, co-authoring is not available.

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### Method 1: QR Code (HUAWEI CLOUD Meeting)

## Save & Take Away

A whiteboard file can be saved or taken away in four modes: QR Code, Save, Export or Mail.

### Method

In the lower left corner of the whiteboard, tap **Save**. In the dialog box that is displayed, select a method to save or take away a whiteboard file.

### Note

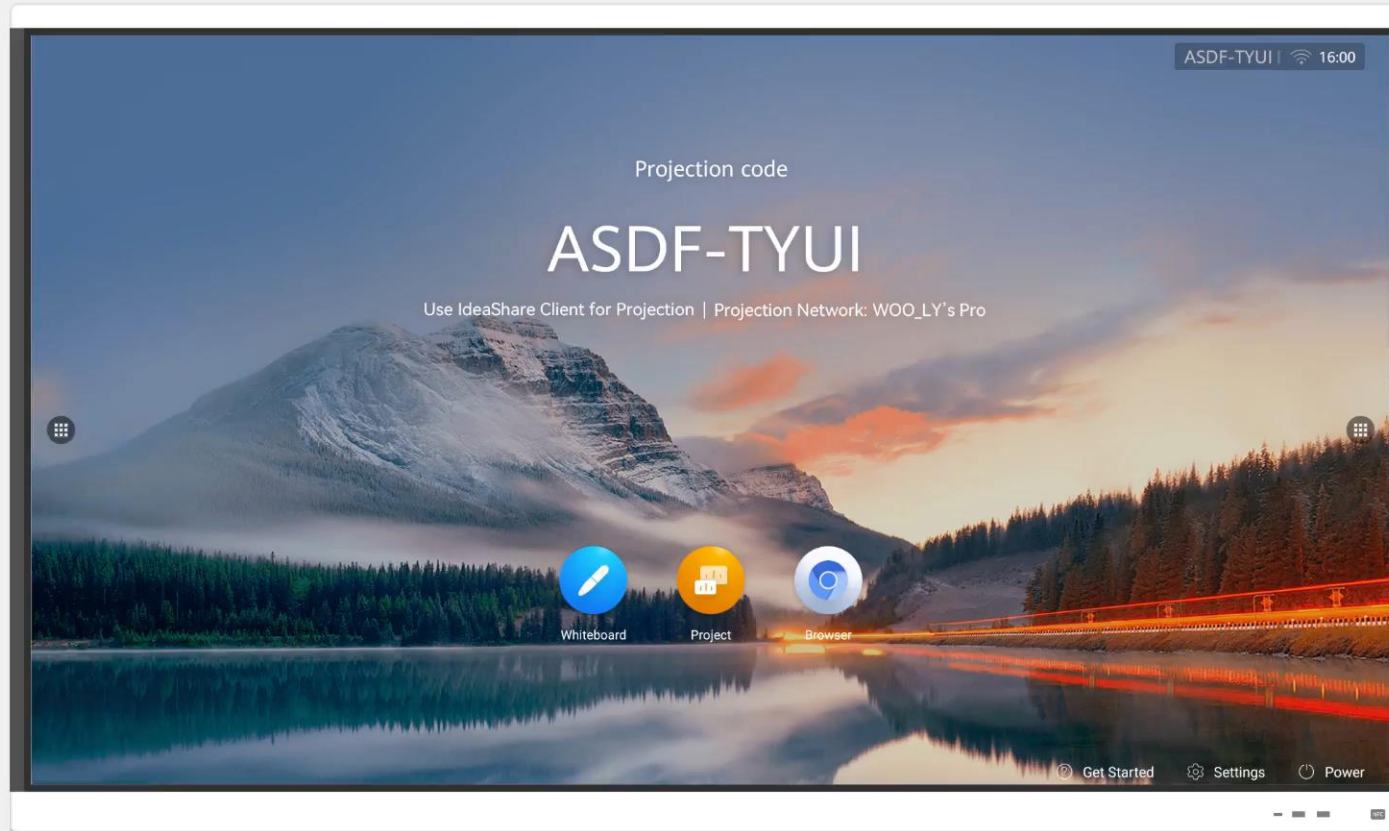
- QR code: Scan the QR code using the **Scan** function of a matching mobile client (HUAWEI CLOUD Meeting, WeChat and Browser) to open a whiteboard file. In the lower right corner of the homepage, choose **Settings > Advanced > Whiteboard > QR Code Scan** to enable this function, and set **Scan Method** as required.
- Save: In the lower right corner of the homepage, choose **Settings > Advanced > Whiteboard > Whiteboard Local Storage**. With this function enabled, a whiteboard file can be saved to a local folder or USB flash drive in .cwb format.
- Export: In the lower right corner of the homepage, choose **Settings > Advanced > Whiteboard > Whiteboard Local Storage**. With this function enabled, a whiteboard file can be exported to a local folder or USB flash drive in .pdf format.
- Mail: In the lower right corner of the home page, choose **Settings > Advanced > Mail**. With this function enabled, a whiteboard file can be taken away by sending an email.

# Screen Projection

1. Mobile Client Projection
2. DLNA Projection
3. Cast+ Projection
4. Phone Wired Projection
5. PC Wired Projection
6. PC Client Projection
7. IdeaShare Key Projection
8. Reverse Control



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## Mobile Client Projection

On the IdeaShare mobile client, enter the projection code on screen to project content from a mobile phone to screen.

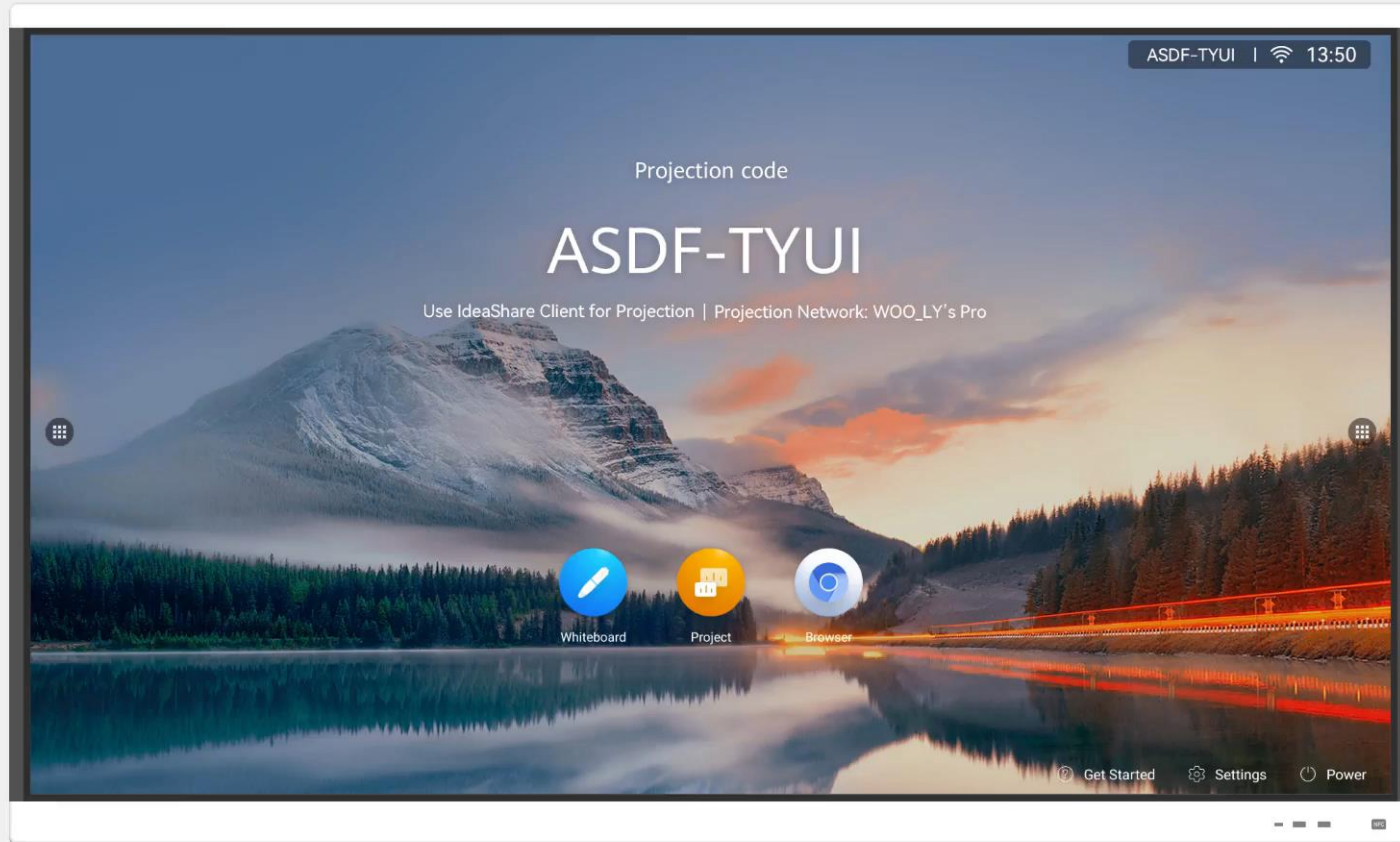
### Method

1. Search for **IdeaShare** in the app store of the mobile phone to download and install the client.
2. Connect the phone and large screen to the same network.
3. Open IdeaShare, enter the projection code displayed on the large screen, tap **Share Screen**, and then tap **Start Now** to start projection.

### Note

- Operating system requirements for installing the IdeaShare mobile client:
  - Android 8.0 or later (Android 10.0 or later supports audio projection.)
  - iOS 13.0 or later
  - HarmonyOS 2.0 or later
- To configure the projection client mode, open a browser on the large screen, and enter **127.0.0.1** in the address box to log in to the web interface (username and password are **admin** and **Change\_Me**, respectively). Choose **Application > Wireless Projection > Parameter Configuration**, and set **IdeaShare mode** to **Offline** to implement projection on the IdeaShare mobile client.

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## Screen Projection

### DLNA Projection

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

#### Method

Enable **Multi-screen Collaboration** on the large screen and connect your phone and large screen to the same LAN.

Method 1 (App projection):

1. Open a video app that supports the DLNA function on your phone, and tap "TV" in the upper part of the video to search for large screen devices.
2. Select the available device from the search results and start projection.

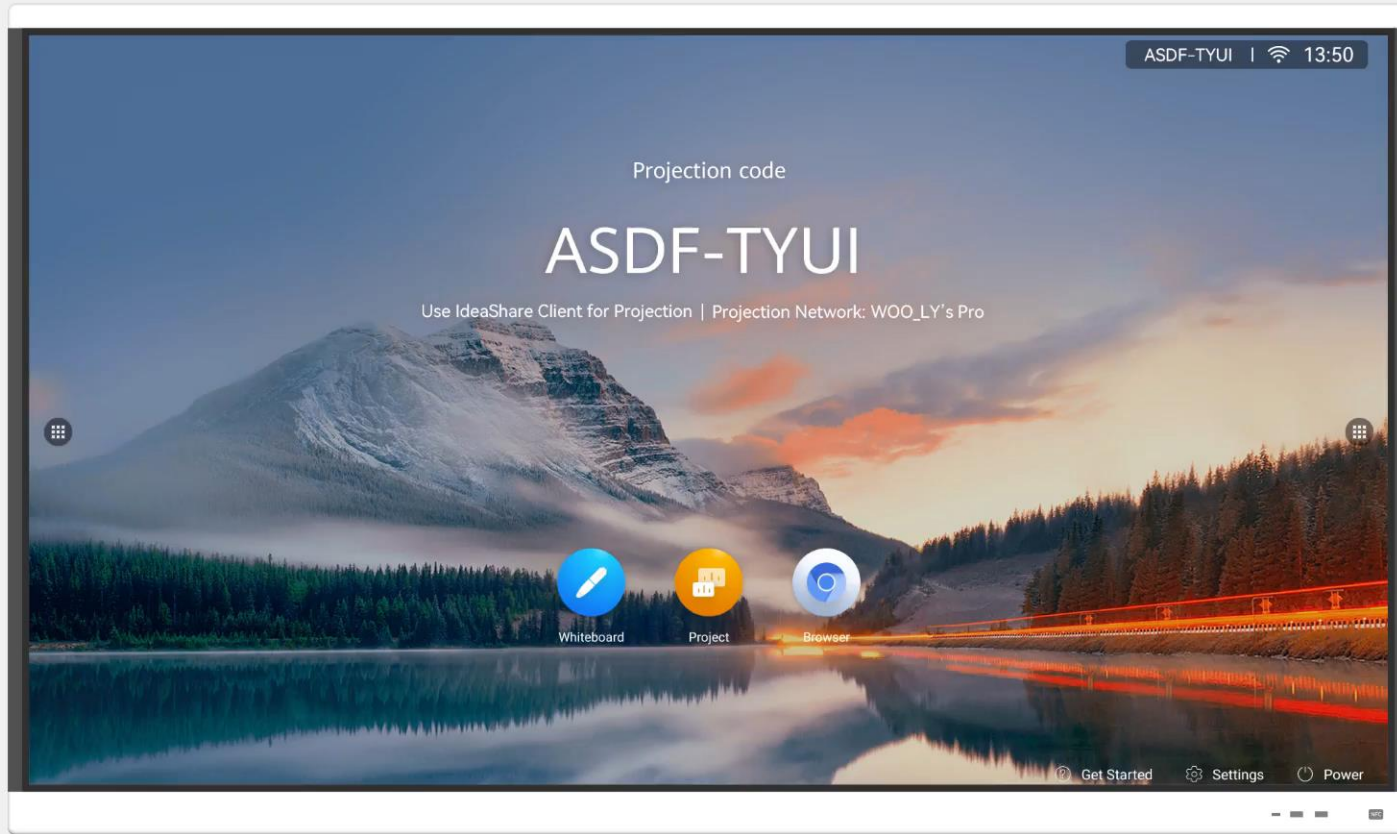
Method 2 (Local resource projection, only for Huawei mobile phones):

1. Swipe down from the status bar to open the notification panel on your phone (continue swiping down to show all shortcuts), tap Wireless Projection, and search for available projection devices.
2. After the connection is successful, open and share content from Huawei built-in apps (Gallery, Music, and Video).

#### 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 the phone enables hotspot to provide network for the large screen or connects to the hotspot of the large screen, the 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.

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## Screen Projection

### Cast+ Projection

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

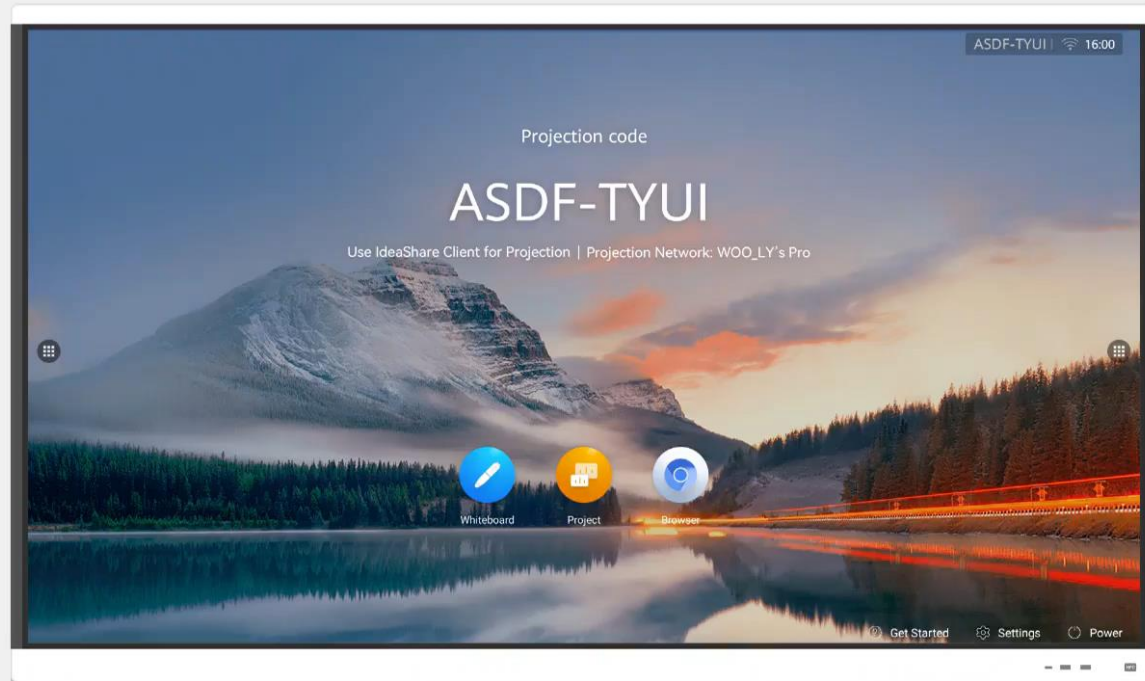
#### Method

1. Enable **Multi-screen Collaboration** on the large screen.
2. Connect your phone and large screen to the same LAN network.
3. Swipe down from the status bar to open the notification panel on your phone, enable **Wireless Projection**, and search for large screen devices.
4. Select the available device from the result list for projection.

#### Note

- Connection code is required for the first use of Cast+ function.
- One of the following network connections is required to implement Cast+ 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 the phone enables hotspot to provide network for the large screen or connects to the hotspot of the large screen, the Cast+ projection is unavailable on the phone.
- Required operating systems: EMUI 10.1.0 or later, Magic UI 3.1 or later, HarmonyOS 2.0 or later.

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### Phone Wired Projection

Connect your phone to screen using a Type-C cable and project content from the phone on the large screen.

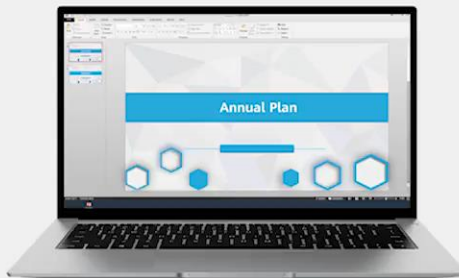
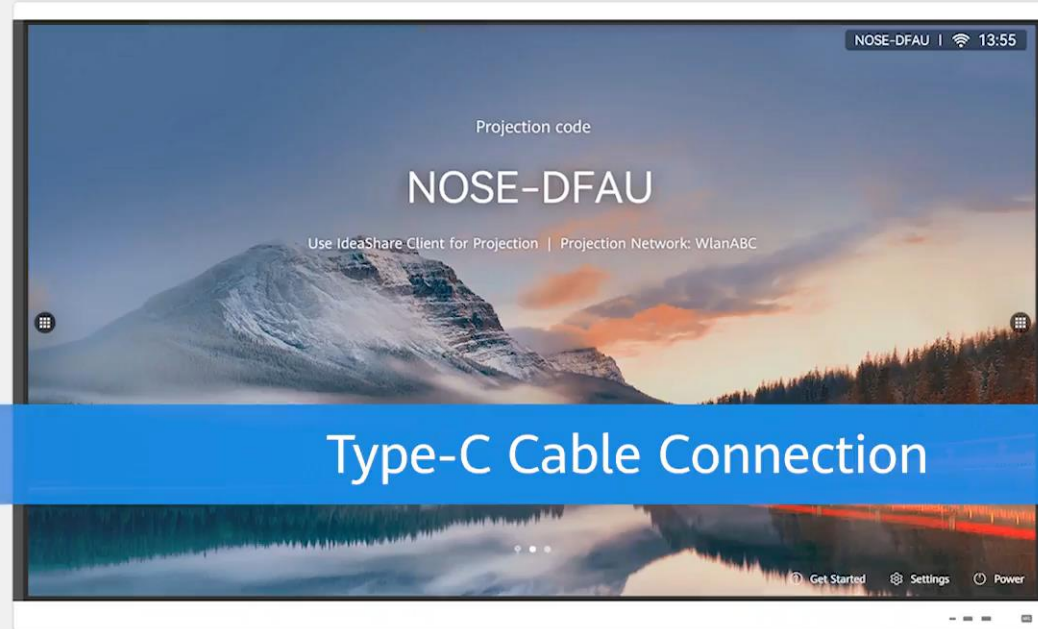
#### Method

1. Connect your phone to screen using a Type-C cable.
2. The projection is available once the connection is successful.

#### Note

- The Type-C projection is available only when your phone uses the port that is USB 3.1 or later and supports audio & video transmission as well as the used cable supports audio & video transmission.
- PCs also support Type-C wired projection. For details, see [PC Wired Projection](#) .

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### PC Wired Projection

Connect your PC to the large screen using a Type-C or HDMI cable to project content from the PC to the large screen.

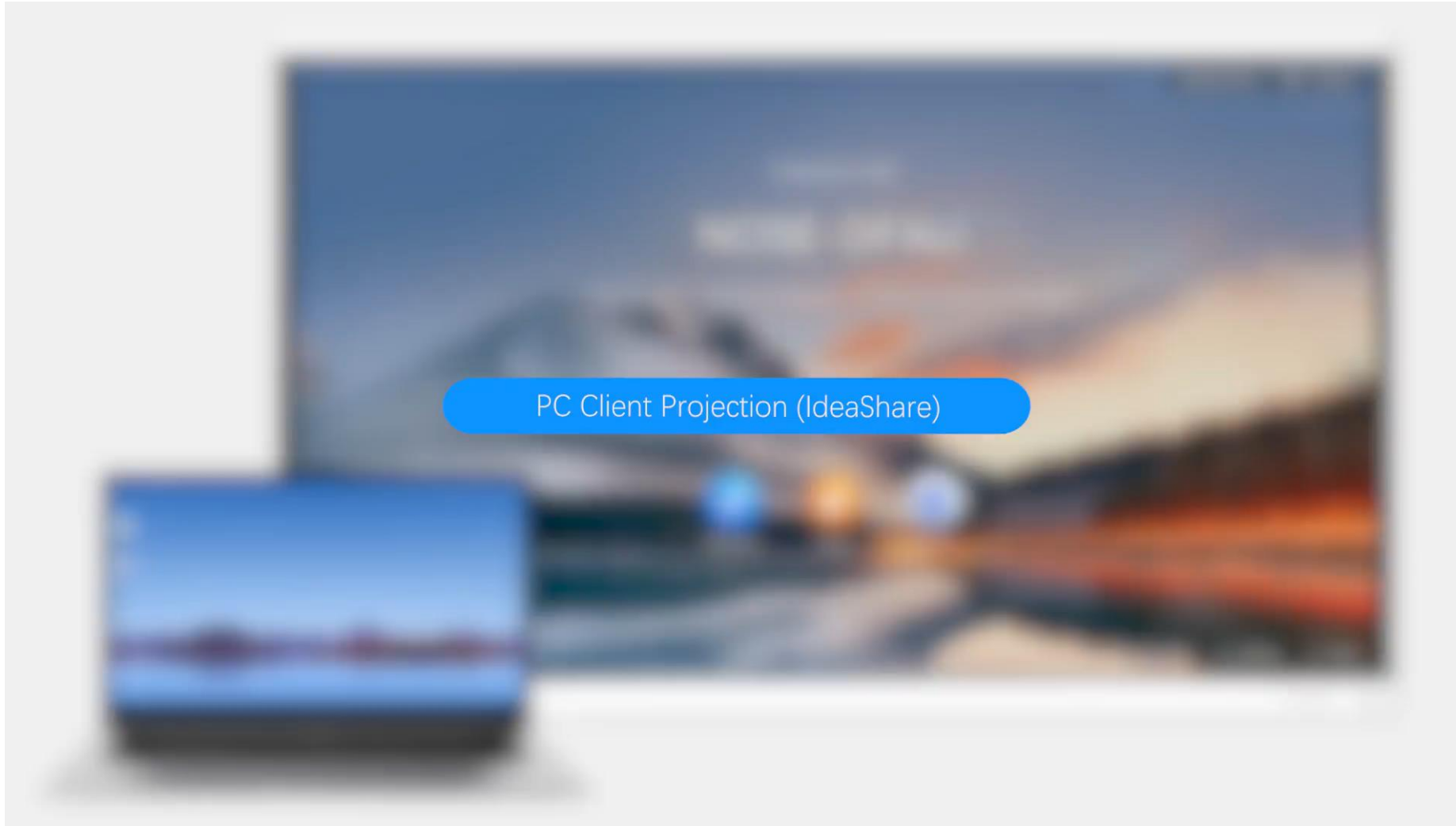
#### Method

1. Connect your PC to the large screen using a Type-C or HDMI cable.
2. After the connection is successful, tap **Connect** on the homepage, choose **HDMI** or **Type-C** at the bottom of the screen to switch the connection mode, and tap **Open** to start projection.

#### Note

- The Type-C cable projection is available only when your computer uses the port that is USB 3.1 or later and supports audio & video transmission as well as the used cable supports audio & video transmission.
- Reverse control is supported for projection using a Type-C cable on the computer.

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### PC Client Projection (IdeaShare)

On the IdeaShare PC client, enter the projection code on screen to project content from a PC to screen.

#### Method

1. Open huaweicloud.com on the PC, search for **IdeaShare**, and download and install the client.
2. Connect the PC and large screen to the same network.
3. Open IdeaShare, enter the projection code displayed on the large screen, and tap **Share** to start projection.

#### Note

To configure the projection client mode, open a browser on the large screen, and enter **127.0.0.1** in the address box to log in to the web interface (username and password are **admin** and **Change\_Me**, respectively). Choose **Application > Wireless Projection > Parameter Configuration**, and set **IdeaShare mode** to **Offline** to implement projection on the IdeaShare PC client.

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USB Type-A IdeaShare Key



USB Type-C IdeaShare Key



This video uses the IdeaHub Key (USB Type-A) as an example.

### IdeaShare Key Projection

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

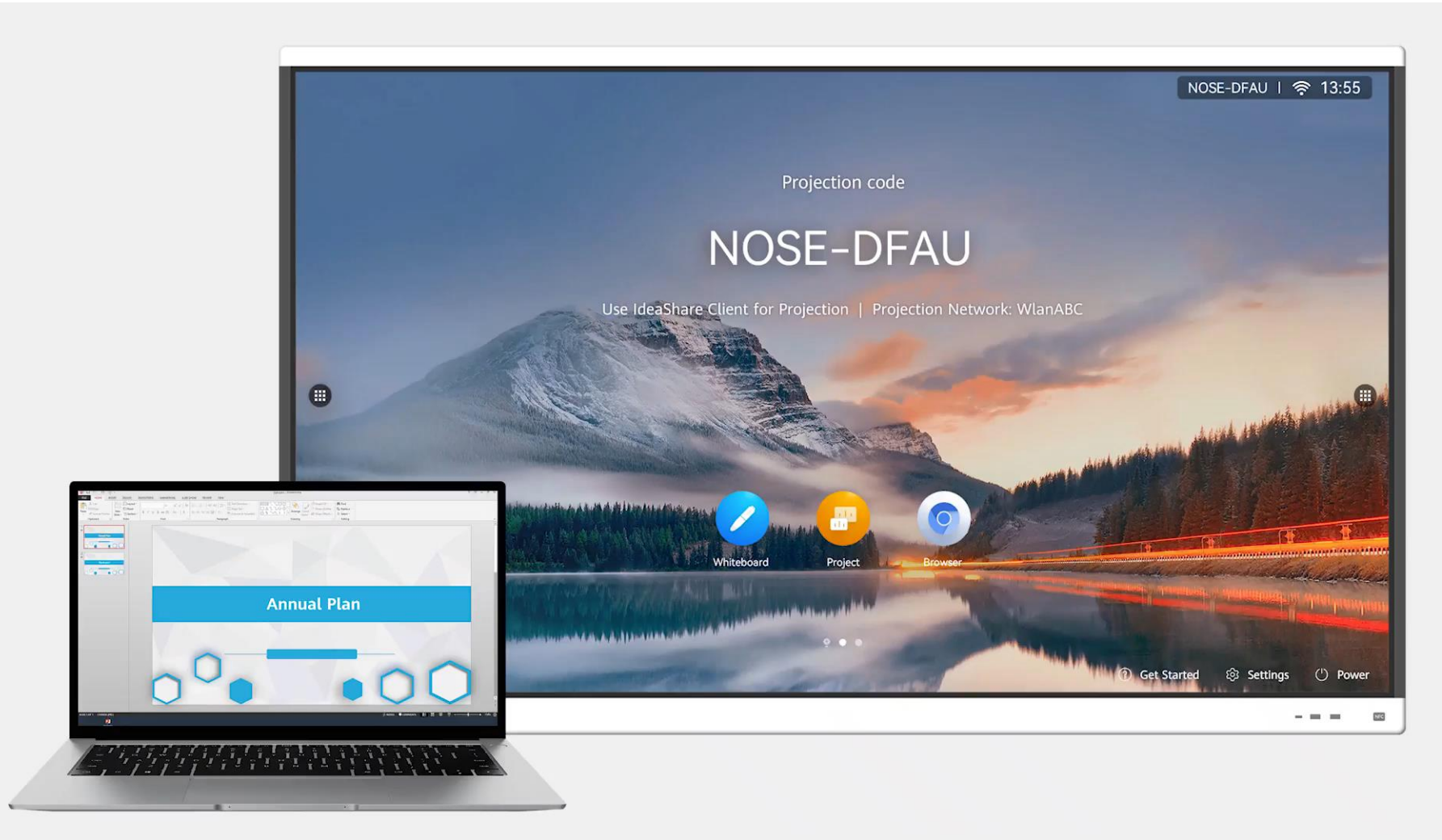
#### Method

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 USB Type-A IdeaShare Key is steady on in low brightness or the white indicator of the USB Type-C IdeaShare Key is steady on, press the IdeaShare Key button to start projection. Then, you can press it again to stop projection.

#### Note

- USB Type-A IdeaShare Key: If you use it for the first time, you need to install the IdeaShare Key software to connect the large screen.
- USB Type-C IdeaShare Key:
  - 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 homepage 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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### Reverse Control

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

#### Method

After the projection is successful, tap **Reverse Control** in the **Toolbar** in the lower right corner of the large screen to control the phone or PC.

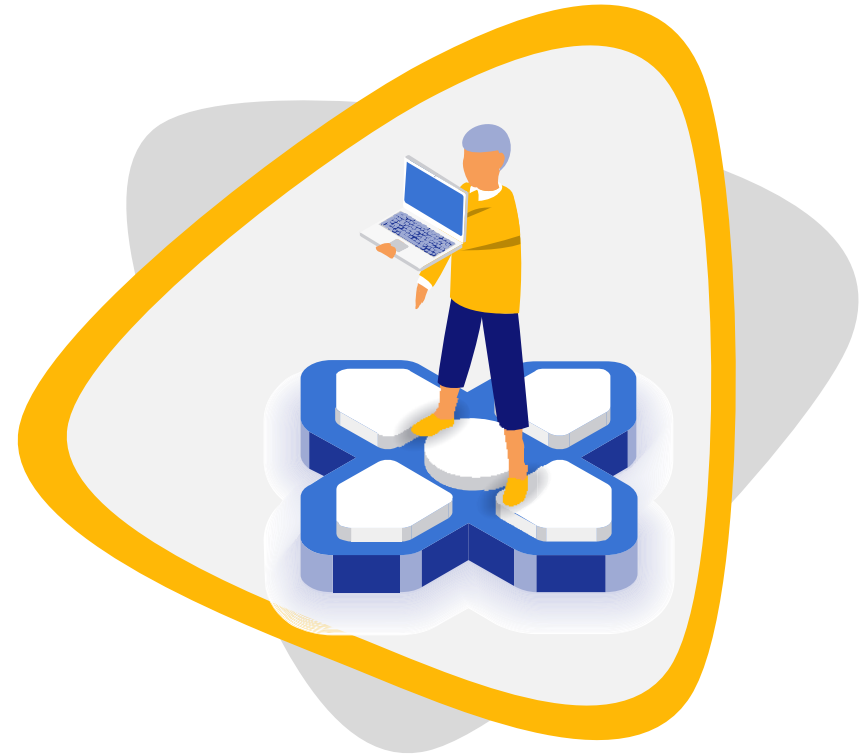
#### Note

The following projection modes support reverse control:

- PC client projection
- IdeaShare Key Projection
- Phone Wired Projection (Type-C)
- PC Wired Projection (Type-C)
- Cast+ Projection

# OPS

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 Android and Windows modes.

- Android (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. Tap **Home** to return to the home page.
- Windows: The large screen is used as the display to display the OPS only. To switch to the Windows mode, choose **Settings > Advanced > Switch to Windows Mode** in the lower right corner of the home page, and tap **Open**. 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 Android mode.

### Note

- Using the built-in camera and microphone: Choose **Settings > Advanced > Camera & Microphone Settings** in the lower right corner of the home screen and tap **Windows**.
- 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 both Android or Windows mode.

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## Controller

You can configure the Controller and Controller receiver for the Device. The Controller can be used to perform routine operations on multiple types of endpoints and provide convenient control functions.

### Method

Choose **Settings > Advanced > USB Port** and enable **USB Storage Device**. 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-only mode)
- Turn to the previous page
- Turn to the next page
- Laser pointer(Support the click function)
- Enable/Disable the microphone (Not supported in Windows-only mode)
- Mute/Unmute(Not supported in Windows-only mode)
- Enable/Disable the camera(This function is available only for endpoints configured with built-in cameras and is not supported in Windows-only mode)
- Increase the volume
- Decrease the volume

### Note

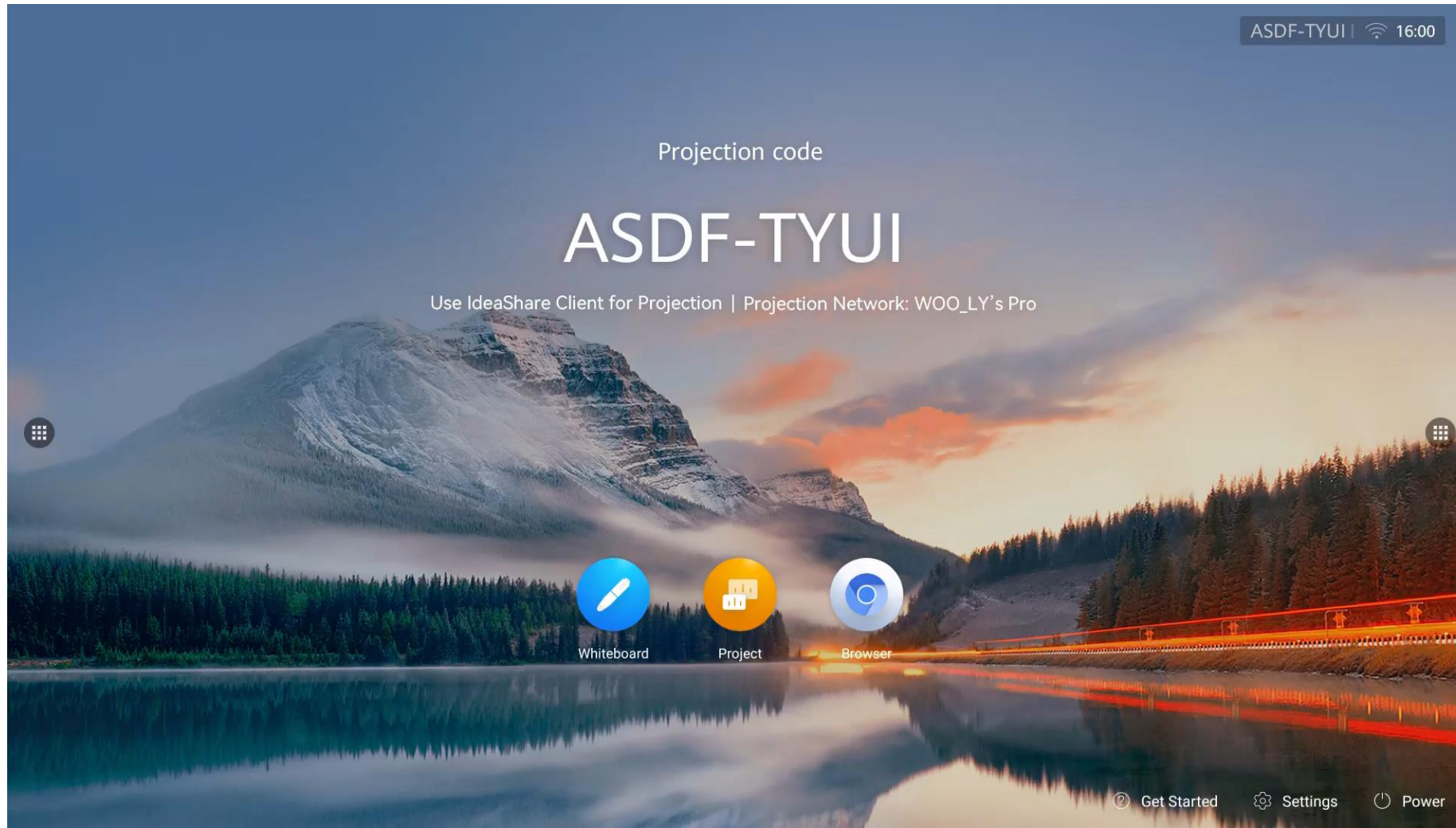
In projection mode, the Controller can be used only with the IdeaShare and HUAWEI CLOUD Meeting projection software.

# More

1. Customize and Demo
2. Change Wallpaper
3. Customize Homepage
4. Download App
5. Annotate During Screen Projection
6. Annotate in App



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## Customization and Demo

You can customize the HiBoard.

### Method

1. Swipe right on the home page to enter HiBoard.
2. In the lower left corner of the HiBoard, tap **Template**.
3. After selecting a template, edit the template text.
4. After editing, tap the screen and then tap **Start** displayed at the bottom of the large screen 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 (7680 x 4320) 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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### Method 1

## Change Wallpaper

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

### Method

Method 1: Tap and hold the home page to select a wallpaper.

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

### Note

- You can import a wallpaper on the web interface. Only one wallpaper can be imported at a time and will replace the original one. The imported wallpaper must be in JPG or PNG format. 1080p and 4K images are supported. Images with other resolutions will be stretched.
- To import a wallpaper, log in to web interface, choose **System Settings > GUI Display > Touchscreen UI > Wallpaper**.

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## Method 1

### Customize Homepage

You can customize the app icons on the home page.

#### Method

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

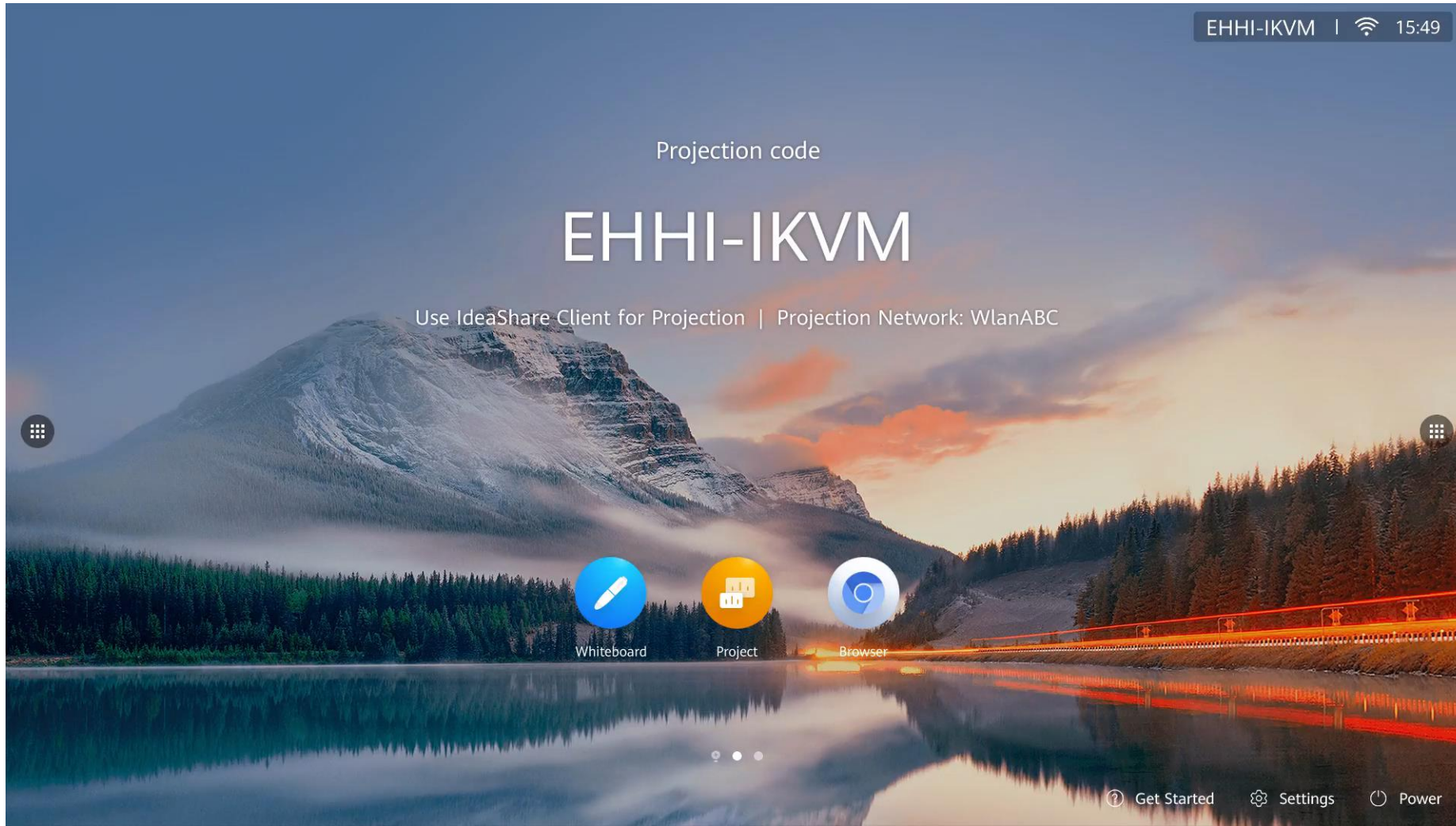
Method 1: Tap and hold an app icon on the home page, and tap .

Method 2: Swipe left on the home page to go to the app list, tap and hold an app icon, and tap **Customize home page**.

#### Note

A maximum of six app icons can be displayed on the home page.

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## Download App

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

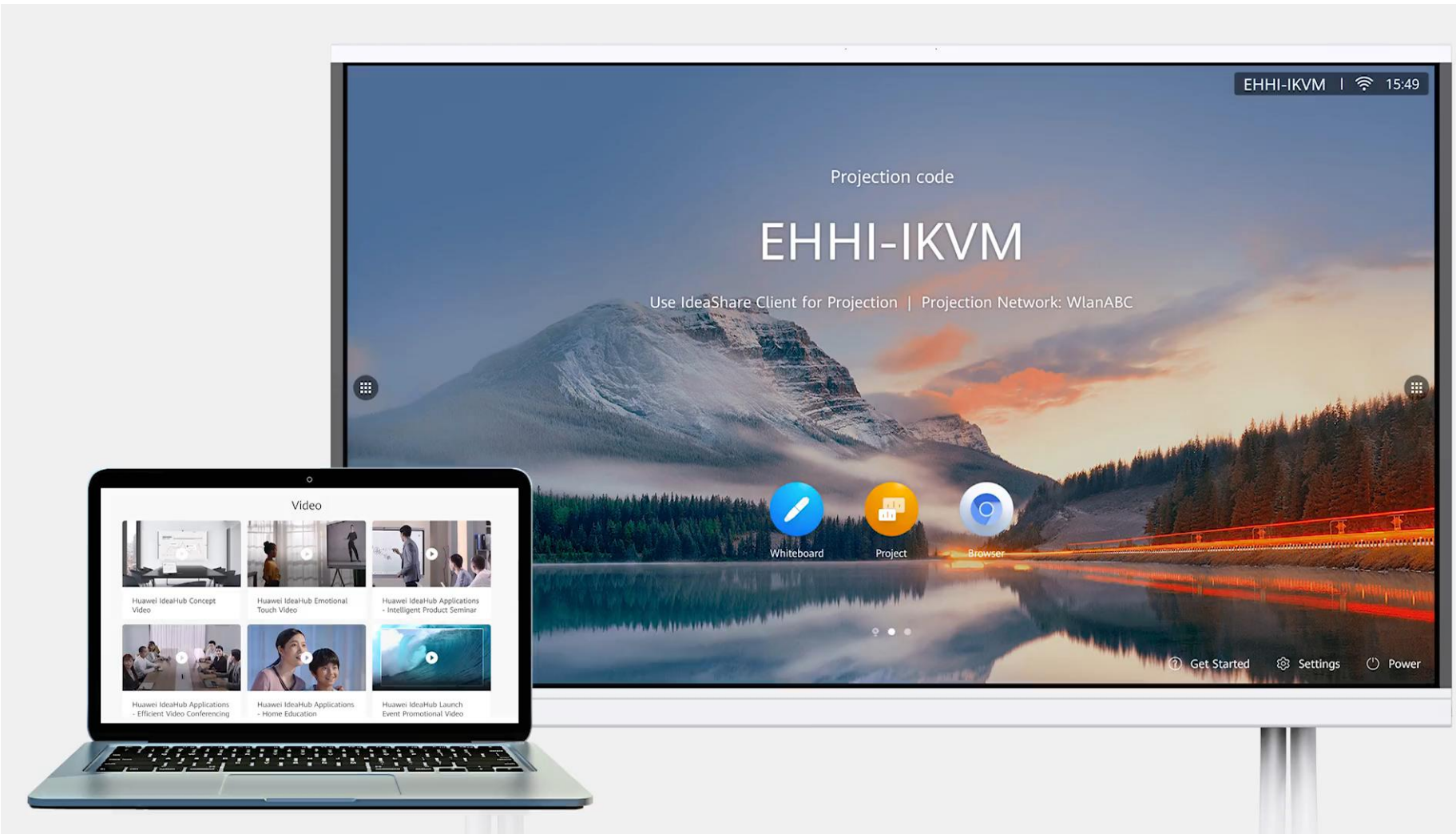
### Method

1. Before downloading an app, ensure that the network is connected and the large screen can access the network.
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 enable it, choose **Settings > Advanced > App Management > App Display** and enable **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 video playback problems occur in the preset browser, change a browser and try again.

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## Annotate During Projection

During projection, you can add annotations to the key content on the projection page and save the annotations.

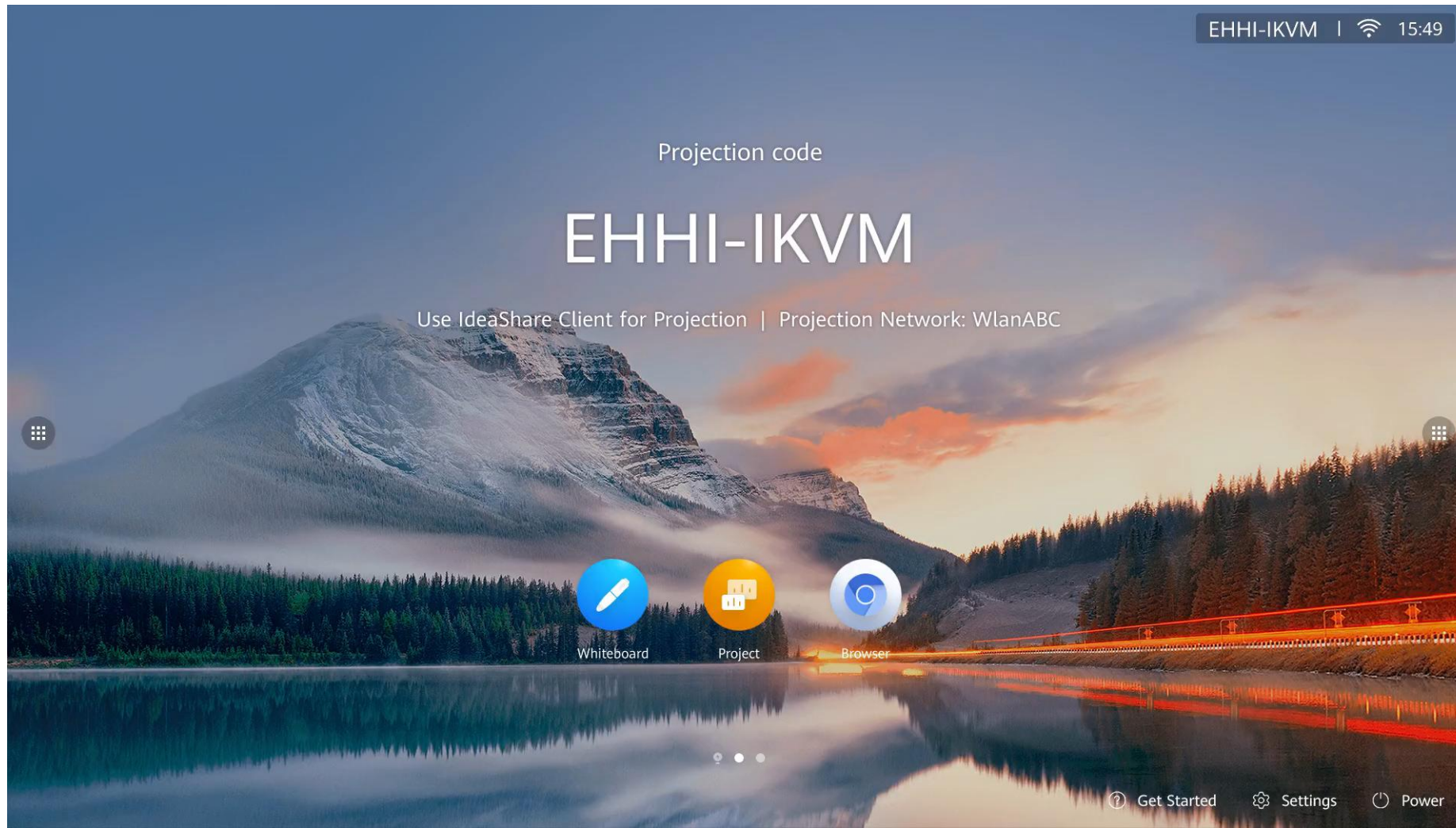
### Method

1. After the projection is successful, tap **Annotation** in the toolbar at the lower right corner of the large screen to add important annotations.
2. Tap **Save** to take annotations away.

### Note

The saving mode can be **Save**, **Export** or **Mail**. For details, see [Save & Take away](#).

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## Annotate in App

In an app, you can add annotations to the key content on the app page and save the annotations.

### Method

1. Open an app and tap **Annotation** in the lower right corner of the large screen to add important annotations.
2. Tap **Save** to take annotations away.

### Note

The saving mode can be **Save**, **Export** or **Mail**. For details, see [Save & Take away](#).



THANKS