ViPlex Handy

User Manual

Contents

1 Introduction

ViPlex Handy is a screen management app for Android, iOS and HarmonyOS phones, allowing for management of various devices such as the Taurus series multimedia players, TU series LED playback and control processors and NS series LCD multimedia players.

Key Features:

- Single login, automatic reconnection: Your device is automatically bound after your first login. It is connected instantly the next time when you open ViPlex Handy, skipping the tedious network setups and saving your time.
- Live view, remote monitoring: Once a device is connected, ViPlex Handy mirrors the content playing on the LED screen in real-time, allowing you to monitor playback from anywhere and eliminating the need for on-site troubleshooting. ViPlex Handy also features smart controls for brightness, screen status, video sources, network, power, and time synchronization.
- Flexible publishing, multi-screen sync: Automatically matches your screen's resolution during content creation. ViPlex Handy defaults to your connected device for publishing, while allowing you to easily select additional devices for synchronized multi-screen publishing. The all-new remote publishing mode lets you create and push content to cloud-connected devices via the Internet.
- AI image generation for endless assets: Short on visual assets or want to avoid expensive stock photos? Simply enter a text prompt or upload a reference image, and our AI image generator will instantly generate high-quality images. Create freely without worrying about copyright issues or budgets.
- Massive templates, smart auto-fit: Out of inspiration? ViPlex Handy comes loaded with preset templates covering various industries and resolutions. Our AI image generator automatically adjusts layouts and aspect ratios, ensuring a perfect fit even if the template does not match your screen resolution. Creativity comes to life effortlessly.
- Snap and create with AI: Upload a quick product photo, add your copy, and let our one-tap AI beautification instantly generate professional-grade display visuals. It’s as easy as designing a poster, but with a dramatically elevated visual impact.

2 Installation

Downloading ViPlex Handy

Scan the QR code below to download ViPlex Handy for Android, iOS or HarmonyOS.

Installing ViPlex Handy

Install the app by following the on-screen instructions.

3 Local Device Connection

When a device is connected via Wi-Fi AP or LAN, the device control method is local control, allowing users to control the device, create and publish solutions, and more.

3.1 Add Devices

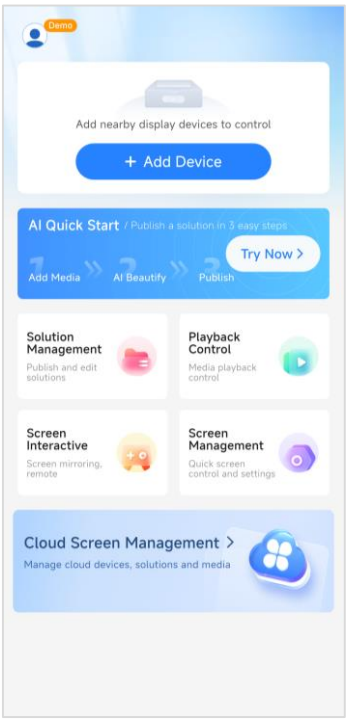
Scenarios

Add a device by connecting to its Wi-Fi AP or searching for it by IP address.

Operating Procedure

Step 1 On the homepage of ViPlex Handy, tap **Add Device**.

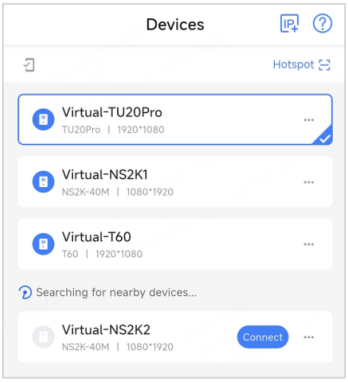
Figure 3-1 Adding a device



Step 2 Add a device by connecting to its Wi-Fi AP or searching for it by IP address.

- Connect to its Wi-Fi AP: Enter the password for the Wi-Fi AP. (For the default password, see SSID label or the Quick Start Guide of the device.)

Figure 3-2 Connecting to a device

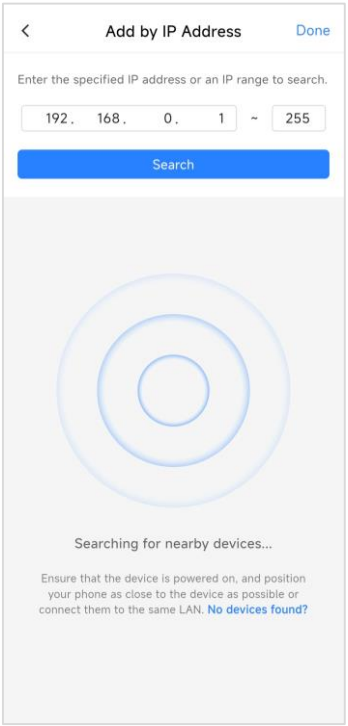


- Search for the device by IP address.

  a. If the screen and ViPlex Handy are not on the same subnet, tap IP+ at the top right.

  b. Specify an IP address or IP range in the pop-up window, then tap **Search**. After the search is complete, select the device and tap **Done**.

Figure 3-3 Adding a device by IP address



Step 3 From the device list, find the device and tap **Connect**.

Step 4 Enter the password for the "admin" user and then tap **OK**.

For the default password, see SSID label or the Quick Start Guide of the device.

Upon successful connection,  is displayed. ViPlex Handy saves the account information automatically.

Step 5 (Optional) Tap Hotspot and scan the hotspot QR code. (Only available for the TU series)

- Android: The hotspot password is displayed after you scan the QR code and you can copy the password to connect to the hotspot.
- iOS: The hotspot is connected automatically after you scan the QR code.

3.2 Live View

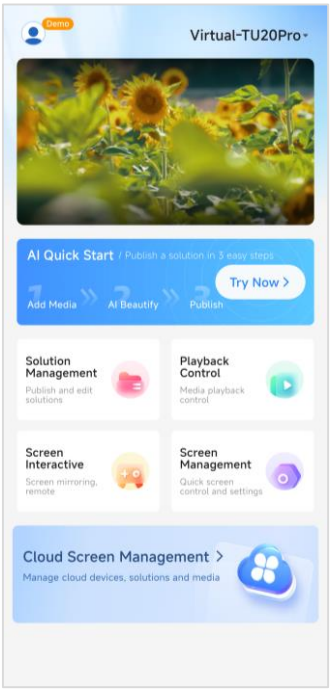
Scenarios

The content currently playing on the device can be mirrored in real-time at the top of the homepage, with options to capture screenshots, zoom in or out, and adjust the sound and brightness.

Operating Procedure

Step 1 On the homepage, tap **Devices**.

Step 2 After a device is added, the playing content will be displayed at the top of the homepage of ViPlex Handy.



If no content is currently playing on the device, there will be no corresponding display.

Step 3 Capture screenshots of the current display, zoom in or out, and adjust the sound or brightness.

- : Tap to make the screen go black and tap again for normal display (only volume can be adjusted in black screen mode and other controls are inactive).
- : Tap to capture a screenshot.
- : Download the screenshot to local gallery.
- : Full screen (landscape and portrait available).

- : Tap to pause the playback and tap to resume the playback.
- : Adjust volume.
- : Adjust brightness.

3.3 Manage Devices

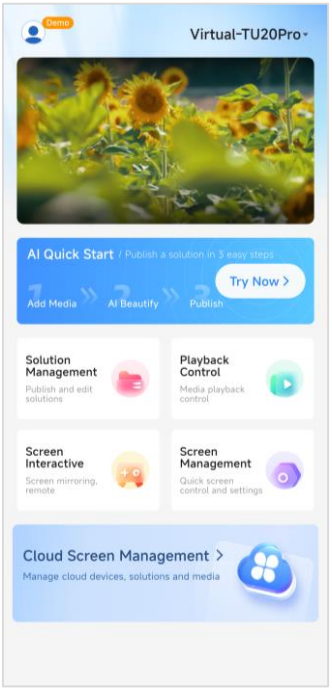
Scenarios

When there are added devices, continue adding devices or switch between devices.

Operating Procedure

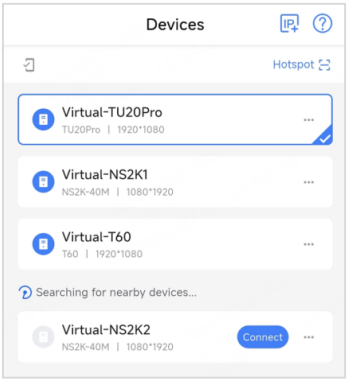
Step 1 On the homepage, tap the device name at the top right to access **Devices**.

Figure 3-4 Homepage



Step 2 From the device list, find the target device and tap **Connect**.

Figure 3-5 Connecting to a device



Step 3 Enter the password for the "admin" user and then tap **OK**.

For the default password, see SSID label or the Quick Start Guide of the device.

Upon successful connection,  is displayed. ViPlex Handy saves the account information automatically.

Step 4 Tap to select a connected device to switch to the device.

You can select a single device or a group of devices used for a splicing screen.

Figure 3-6 Select a single device

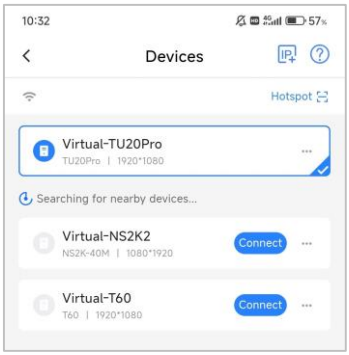
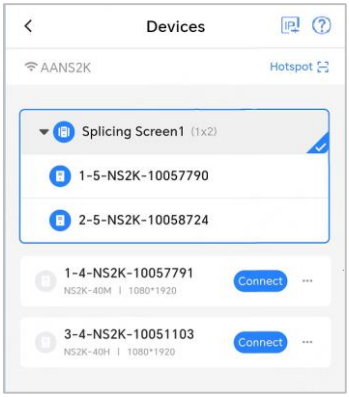


Figure 3-7 Splicing screen devices



Related Operations

A single device

- When the device is online and not connected, tap ··· to do the following as required.

  Delete: Remove the device from **Devices**.

- When the device is connected, tap ··· to do the following as required.
  - Disconnect: Disconnect the device.
  - Rename: Set the device name.
  - Delete: Remove the device from **Devices**.

A group of devices used for a splicing screen

- When the devices are online and not connected, tap ··· to do the following as required.

  Delete: Remove the devices from **Devices**.

- When the devices are connected, tap ··· to do the following as required.
  - Disconnect: Disconnect the devices.
  - Delete: Remove the devices from **Devices**.

3.4 Solution Management

Notes

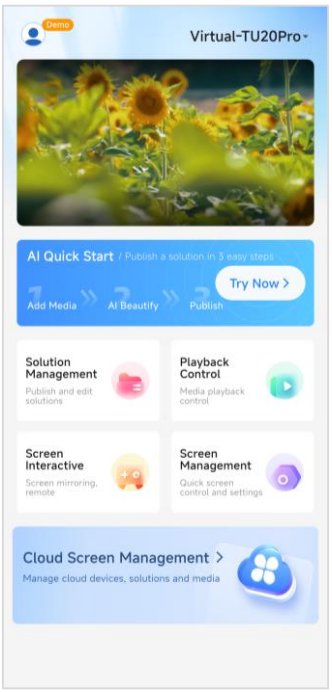
To edit, publish and play solutions normally, complete the following settings on iOS 11.0 and later in advance.

- Photos: **Settings** > **Photos** > **Download and Keep Originals**
- Camera: **Settings** > **Camera** > **Formats** > **Most Compatible**

3.4.1 Quick Start

Operating Procedure

Step 1 On the homepage, tap **Try Now**.



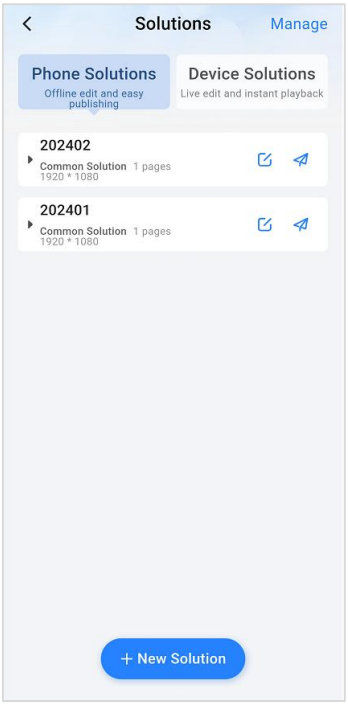
Step 2 Check whether there is a local device connected. Follow the steps in 3.4.2 Create Solutions to 3.4.4 Publish Solutions to create, save and publish solutions.

3.4.2 Create Solutions

Operating Procedure

Step 1 On the homepage, tap **Solution Management**.

Figure 3-8 Solution types

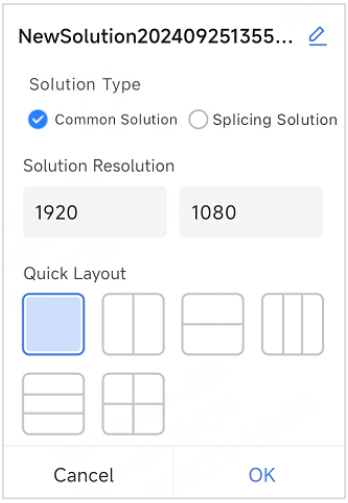


Step 2 Tap **New Solution**.

Step 3 Select a solution type, edit the solution information, and tap **OK**.

- If **Common Solution** is selected, enter the solution resolution and select a window layout.

Figure 3-9 Editing solution information

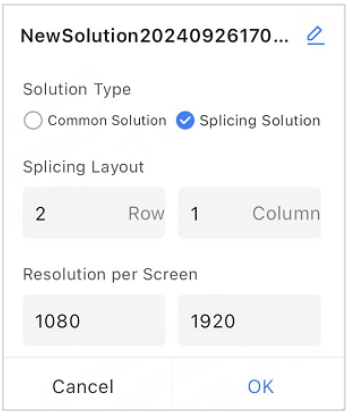


Notes

- To create an ultra-long-screen solution, the solution width must be greater than the maximum pixel width supported by the player.
- Devices that support ultra-long-screen solutions: T30/T50/T60/TB30/TB40/TB50/TB60/TCC160/TN65/TB10 Plus/TB20 Plus and the entire TU series

- If **Splicing Solution** is selected, set the **Splicing Layout** and **Resolution per Screen**.

Figure 3-10 Editing solution information (Splicing solution)



3.4.3 Edit Solutions

Scenarios

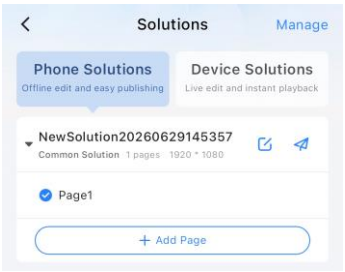
Edit saved solutions.

Operating Procedure

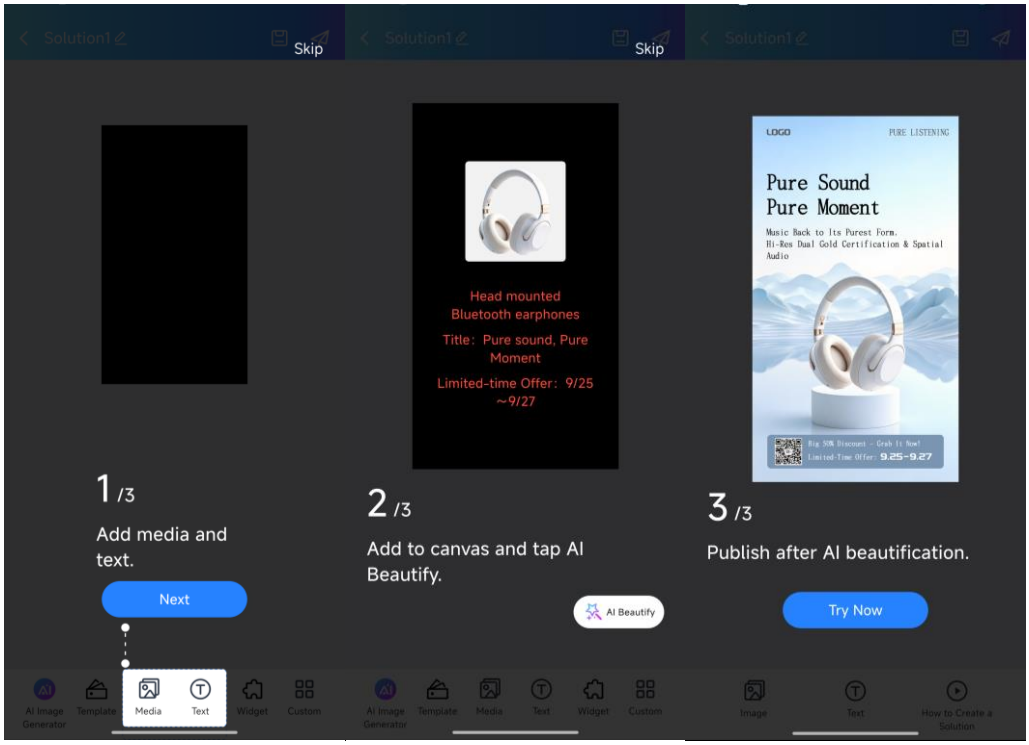
Step 1 On the homepage, tap **Solution Management**.

Step 2 Select a solution type, tap **Phone Solution** or **Device Solution**.

Step 3 Tap to access the editing page.



Step 4 View the on-screen instructions if you create a solution for the first time.



Step 5 Tap a media type icon at the bottom of the page that appears to add media. For the media types supported by ViPlex Handy, see Table 3-1.

Figure 3-11 Adding media

Note:

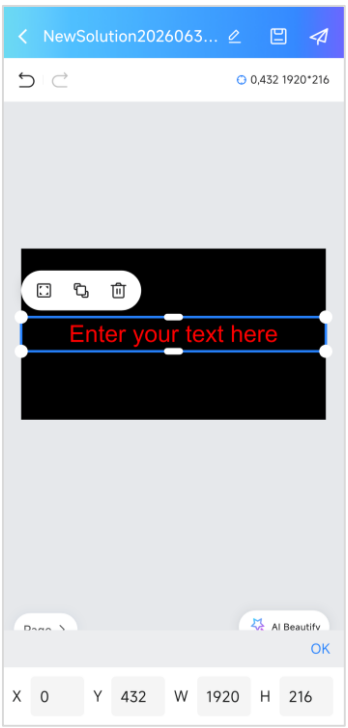
After the media type is added, edge alignment, center alignment, and auto-snapping are supported, allowing users to adjust the layout flexibly.

Table 3-1 Media type description

Menu		Description
AI Image Generator		Describe the image you wish to generate and then tap **Generate**.
Template		Select a template from the template library, tap **Create Similar**, and proceed with solution creation.
Media	Phone Albums	After selecting media, tap **Import**. • For images: Set file properties, playback duration, and effects. Supported formats include JPEG, BMP, GIF, PNG, and WEBP. • For videos: Set playback effects. Ensure video resolution does not exceed 4K (4096×2160). Upon publishing, the platform will automatically transcode the video into common formats, including H.265/HEVC, AVC, H.264, MPEG4, and MJPEG.
	Device Media (available only on TU series)	
	AI Assets	
Text		Add single-line text or multi-line text (without limitations on the number of characters), set text properties, playback duration and animation, enable

		sharpening, and preview text. More fonts can be downloaded from the cloud. For details, see 5.6 How to obtain more fonts?
Widget	Analog Clock	Add analog clock widgets and set the style, text and playback duration.
	Digital Clock	Add digital clock widgets and set the style, text and playback duration.
	Weather	Add weather widgets and set the style, text and playback duration.
	HDMI IN (HDMI1 input source)	This is only available for TU40 Pro/TU4K Pro and enables the HDMI input source and the internal source of the playback control device to be displayed on the same screen simultaneously. Users can set the playback duration.
Custom		Add a combination of the above types of media.

Step 6 After adding media types, tap the icon in the upper right of the canvas area. Then, set the media's X (horizontal start position), Y (vertical start position), W (width), and H (height) as needed. Once set, tap **OK**.

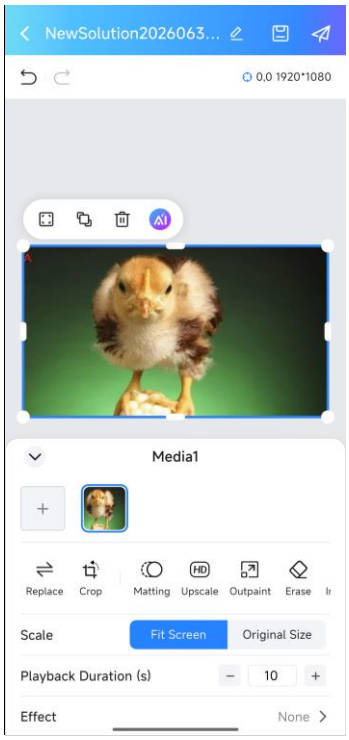


Step 7 Tap an icon at the top of the window to set the properties.

- :
  - : Scale to fit the entire screen
  - : Scale to fit the screen horizontally

- : Scale to fit the screen vertically

- :
  - : Bring to front
  - : Bring forward
  - : Send backward
  - : Send to back
- : Delete the window
- : AI editing, allowing for replacement, cropping, matting, upscaling, outpainting, erasing, and inpainting of media within the media group.



  - Replace: Replace media within the media group.
  - Crop: Choose a cropping ratio or rotate/mirror. Ratios include **Original**, **Free**, **1:1**, **3:4**, **4:3**, **9:16**. Rotation/mirroring options include , and . Once satisfied, tap **OK** in the upper right.
  - Matting: Key out elements in the media. During this process, other AI editing buttons are disabled. Once satisfied, tap **OK** in the upper right.
  - Upscale: Enhance resolution to ultra-clear, with other AI editing buttons disabled during the process. Once satisfied, tap **OK** in the upper right.
  - Expand: Enlarge media and automatically match window size. Describe additional content below and tap **Generate**. Once satisfied, tap **OK** in the upper right.

- Erase: Choose a brush/eraser and size to remove unwanted areas. After completion, tap **Generate**. Once satisfied, tap **OK** in the upper right.
- Inpaint: Choose a brush/eraser and size, and describe the area you want to redraw. After completion, tap **Generate**. Once satisfied, tap **OK** in the upper right.

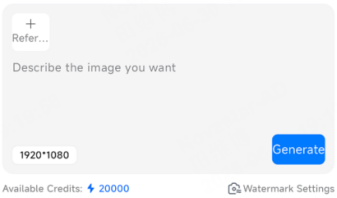
Step 8 Set the media properties.

The properties of different media vary. AI image generator, template and analog clock are used as examples.

1. AI image generator

   a. Tap **AI Image Generator**, enter prompts below to describe the desired image, or tap 

to select a picture from your phone albums, then tap **Generate**.

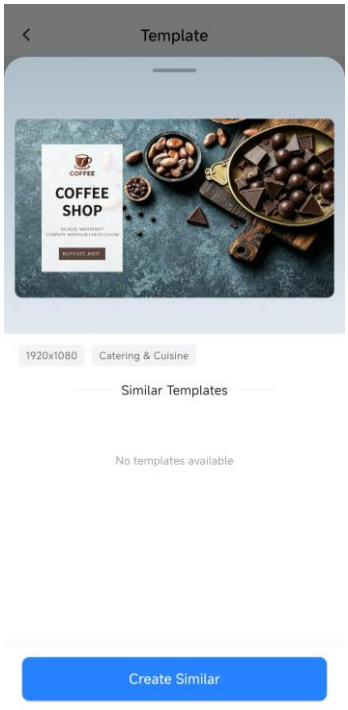


   b. Once generation is complete, tap **Add to Canvas** to place the image in the canvas area directly. If unsatisfied with the generated image, tap to perform **AI Editing** or **Edit**.

   AI Editing: See Step 7 for detailed operations.

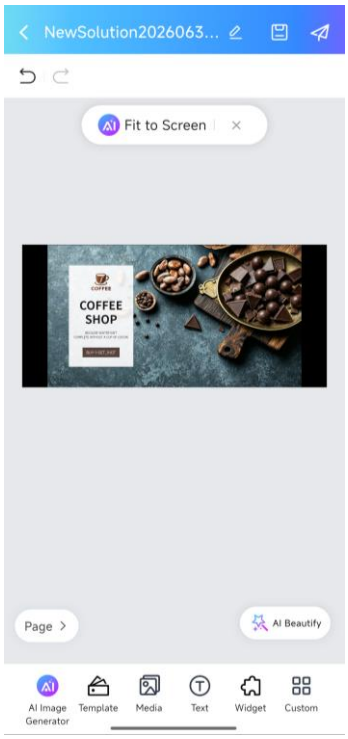
   Edit: Enter prompts to describe the desired image and regenerate it.

2. Template: Tap **Template**, select the desired template from the library, then tap **Create Similar**.



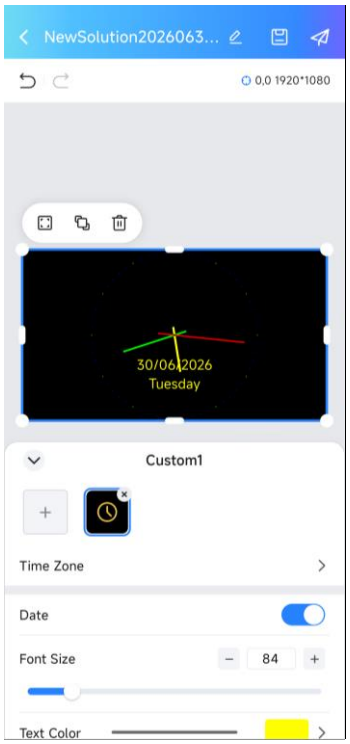
Importing a template will clear all contents on the canvas. To proceed, tap **OK** in the dialog box that appears.

After importing the template, if a size mismatch with the canvas is detected, tap **Fit to Screen** to automatically adjust the template to the canvas's actual resolution.

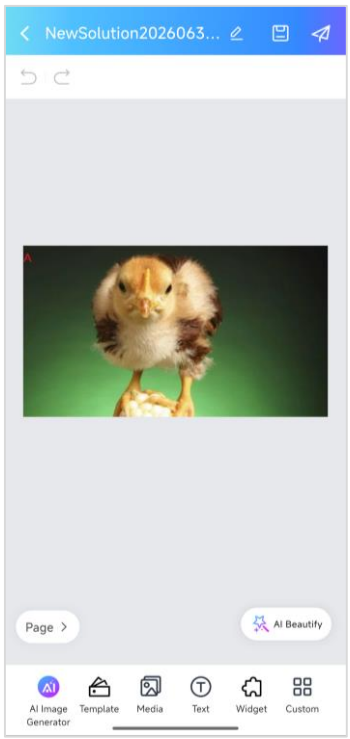


3. Analog clock

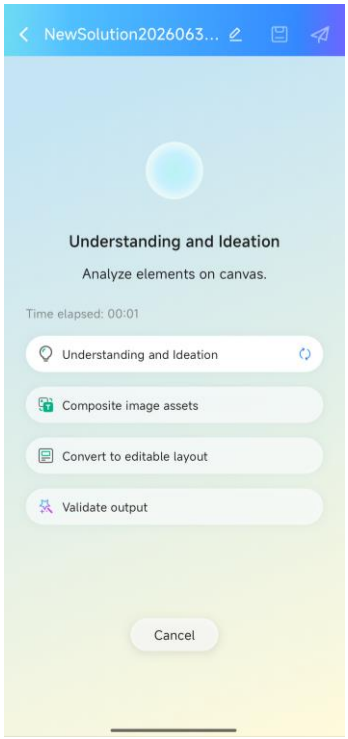
Figure 3-12 Analog clock properties



Step 9 (Optional) In the lower right corner of the canvas area, tap **AI Beautify** to beautify the added media.



1. Wait for the AI beautification to complete.



Note:

AI beautification currently supports only images and text. If you proceed with AI beautification, any media containing videos or other unsupported elements will be removed.

2. Upon completion, view the beautification results.

   At the bottom of the interface, you can choose to add images or text and set the playback duration as needed. You can also edit elements on the beautified content.

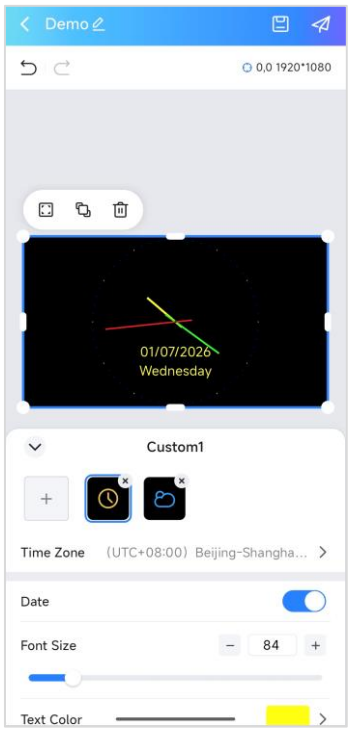
   If unsatisfied with the result, tap in the lower right to select **Revert** or **Re-beautify**.

   - Re-beautify: Choose different styles from **Style** and **Composition** types, and add descriptions as needed.
   - Revert: Revert to the pre-beautified content for further editing.

Step 10 (Optional) Set playlist playback. Tap **Custom** to add media items to the window and set media properties such as playback duration.

After the settings are done, the media items in the solution will be played in sequence.

Figure 3-13 Setting playlist playback



Step 11 (Optional) Tap **Page** and **+** to add a solution page.

Hold and drag a page to adjust its order. Tap a page to edit its name or delete the page.

Figure 3-14 Adding solution pages

Step 12 Check whether the solution contains multiple windows.

- Yes: Repeat Step 4 to Step 8 to edit all the windows in the solution.
- No: Go to Step 13.

Step 13 After the solution editing is done, do the following as required.

- Tap  to save the solution.
- Tap  , select one or more devices and then tap **Publish** to publish the solution.

Step 14 (Optional) Tap **+ Add Page** in the drop-down options to add a new page.

Note:

Solutions only created and saved on the phone, published from the phone and created and saved with TU series can be edited.

3.4.4 Publish Solutions

Scenarios

Publish saved solutions.

Notes

TU series devices support the management of device solutions.

Operating Procedure

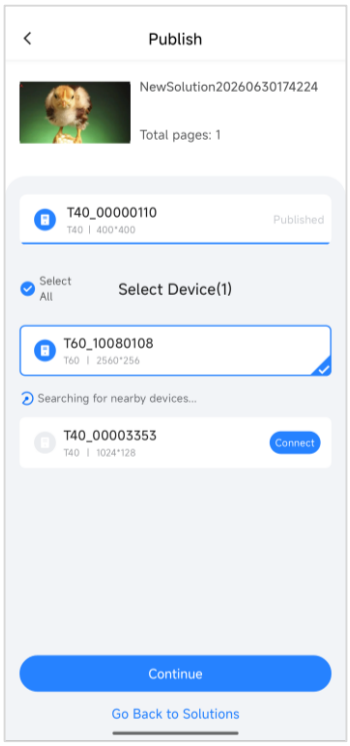
Step 1 On the homepage, tap **Solution Management**.

Step 2 Choose **Phone Solution** or **Device Solutions** (available for TU series only) to access the corresponding tab.

Step 3 Select the solution(s) to be published from the phone or to be played on the device.

Publish a phone solution(s).

- Publish a single solution:
  - Tap  next to the solution.
  - Select connected devices and tap **Publish**.
- Publish multiple solutions:
  - Tap **Manage** at the top right of the **Solution Management** page, select solutions and tap **Publish**.
  - Select connected devices and tap **Publish**.
- Publish additional solutions: During solution publishing, if you want to publish the same solution to multiple connected devices, select the devices and tap **Continue**.



- Play a device solution: Tap ▷ next to a solution.

Notes

- When common solutions and splicing solutions are selected at the same time, the solutions can be deleted only and cannot be published.
- Multiple splicing solutions cannot be published at the same time.
- A group of devices used for a splicing screen can be selected for solution publishing.
- Publishing multiple solutions at the same time and publishing a solution to multiple devices are not available for TU series.
- When a solution exceeds the supported range of the device, it will be transcoded automatically.

3.4.5 Delete Solutions

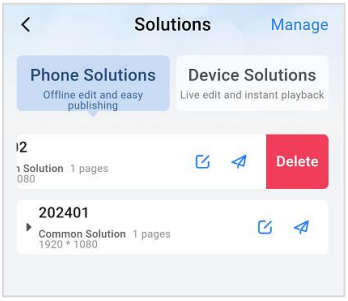
Operating Procedure

Step 1 On the homepage, tap **Solution Management**.

Step 2 Delete a solution(s).

- Delete a single solution: Slide a solution to the left and Tap **Delete** > **OK**.
- Delete multiple solutions: Tap **Manage** at the top right of the **Solution Management** page, select solutions and tap **Delete** > **OK**.

Figure 3-15 Deleting solutions



Note:

The built-in solutions of the TU series cannot be deleted.

3.5 Playback Control

3.5.1 Solution Playback

Scenarios

Read solutions stored on the device and control solution playback in real time.

Prerequisites

Local devices are connected.

Operating Procedure

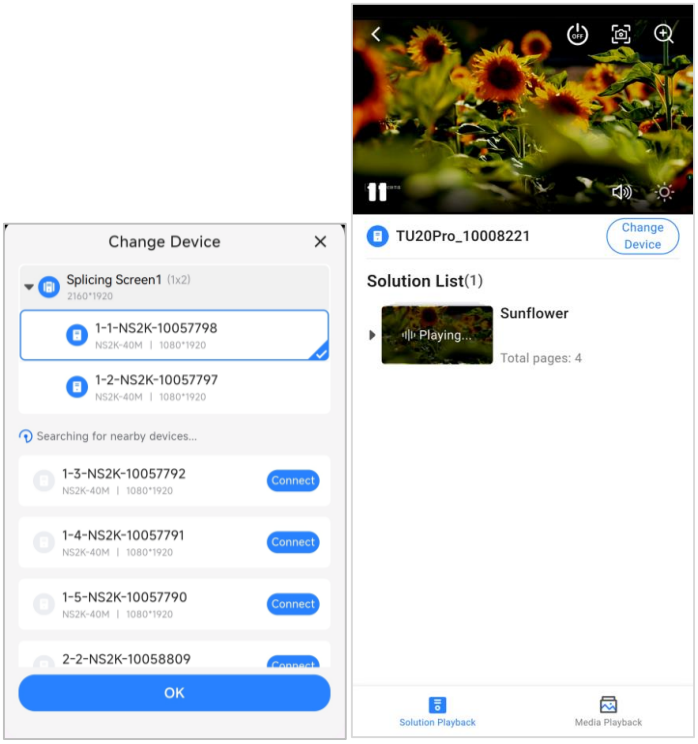
Step 1 On the homepage, tap **Playback Control** and select **Solution Playback**.

Step 2 (Optional) Tap **Change Device** to switch between devices.

Step 3 Tap the solution to be played.

The solution is playing on the screen in real time.

Figure 3-16 Playing a solution



Notes

- Any single screen of a splicing screen can be selected for solution switching.
- A splicing screen can be selected for solution switching.
- A group of devices used for a splicing screen can be selected for solution publishing.
- When a splicing screen is selected, the actions in Step 4 are not supported.

Step 4 Tap the following icons as required.

- : Tap to make the screen go black and tap again to return to normal. (When a black screen is displayed, other control options are disabled.)
- : Tap to capture a screenshot.
- : Tap to zoom in the screenshot.
- : Tap to pause the playback.
- : Tap to adjust the volume.
- : Tap to adjust the brightness.

3.5.2 Media Playback

Scenarios

Read media files stored on the device and control media playback in real time.

Prerequisites

Local devices are connected and the devices are TU series (V1.4 and later).

Operating Procedure

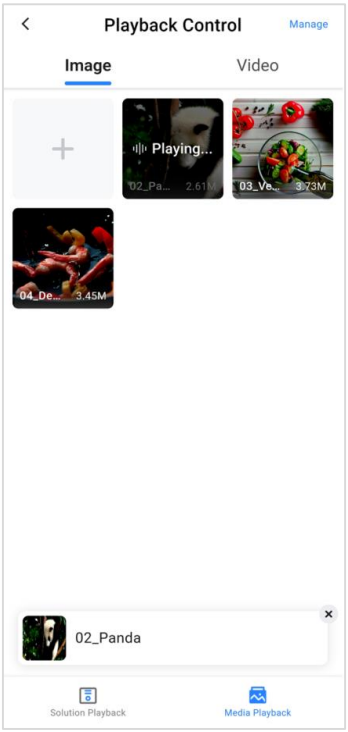
Step 1 On the homepage, tap **Playback Control** and select **Media Playback**.

Step 2 Tap **+** and select **Choose from Album** or **Import from USB Drive**.

Step 3 Select **Image** or **Video** and tap the media you want to play.

The media is being played on the screen in real time.

Figure 3-17 Media playback



Step 4 Tap **x** to exit playback.

3.6 Screen Interactive

Scenarios

Supports wireless mirroring and control from phone.

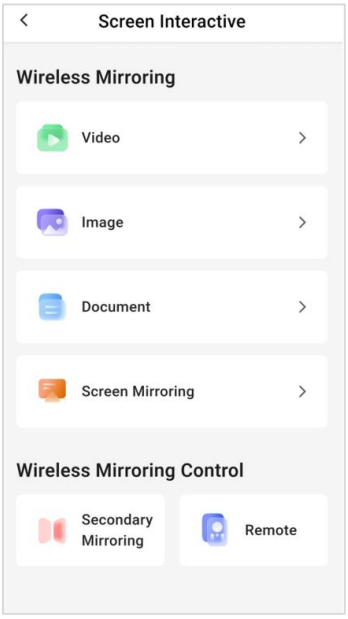
Prerequisites

- HarmonyOS does not support screen interactive.
- A TU series device is connected.

Operating Procedure

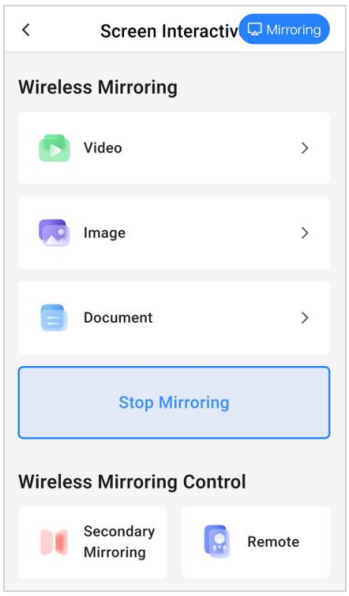
Step 1 On the homepage, tap **Screen Interactive**.

Figure 3-18 Screen mirroring and control



Step 2 Do the following as required.

- Video: Tap **Video** and choose a video from the albums of the phone to mirror the video to the LED display. You can control the playback progress, adjust the volume and brightness of the video, and switch between videos.
- Image: Tap **Image** and choose a photo from the albums of the phone to mirror the photo to the LED display. You can flick left or right to move between photos.
- Document: Tap **Document** and choose a local document to mirror it to the LED display. You can slide the pages and zoom in/out. Only WORD, PDF, EXCEL and PPT (support for full screen playback and exit) documents can be mirrored to the LED display. Only ViPlex Handy for Android supports document mirroring.
- Screen Mirroring: Tap **Screen Mirroring** to mirror the screen from a phone/tablet to the LED display. Tap **Stop Mirroring** to stop screen mirroring.

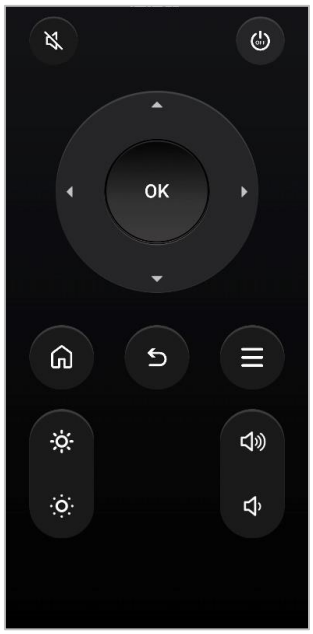


Notes:

- Tap Mirroring at the top of the page to stop mirroring.
- Before screen mirroring, allow the floating window permission for ViPlex Handy.
- Before screen mirroring, turn on **Screen Mirroring** in the control center of iOS devices. Turn off **Screen Mirroring** to stop mirroring.
- Other mirroring functions are not allowed during screen mirroring.

- Secondary Mirroring: Tap **Secondary Mirroring** to control the LED display with your phone/tablet in real time.
- Remote: On the **Devices** page or mirroring page, tap **Remote** to control the LED display by moving the cursor, sliding the page, return to the main menu, back to the previous menu, pinch to zoom in/out an image or document, etc.

Figure 3-19 Remote



3.7 Screen Management

Scenarios

Remotely control screens in real time or as scheduled, sync time, set multi-screen mosaic and more.

Prerequisites

The corresponding local device is connected.

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Note:

The functions supported by different models of devices may vary. The screen management page may be different when different models of devices are connected.

Step 2 Complete the settings of the functions as required.

The description of each function is shown in Table 3-2.

Table 3-2 Function description

Menu	Submenu	Description	Supported Devices
Brightness	-	Manually adjust screen brightness or set rules for smart or scheduled brightness adjustment.	Taurus/TU/NS

Menu	Submenu	Description	Supported Devices
Color Temperature	-	Set the color temperature of the screen. Color temperatures include standard, cool and warm.	Taurus/TU
Screen Status	-	Make the screen go black or back to normal.	Taurus/TU
Volume	-	Drag the slider or tap the volume up and down buttons to adjust the volume.	Taurus/TU/NS
Video Source	Switch Mode	Set the video source switching mode. • Manual: Switch between the video sources manually. • Scheduled: Switch between the video sources as scheduled. • HDMI preferred: The HDMI source is preferred. (Available for Taurus only)	Taurus/TU
	Scheduled Video Source Configuration	When the video source switching mode is set to **Scheduled**, you can add a video source type (internal source and HDMI) and select the time, repetition method, and execution date.	Taurus/TU
	Video Source Readback	Select a video source type. Switching between the internal source and HDMI is supported. You can set the following: • Resolution/Frame Rate: Select a resolution/refresh rate for the video source. • Scaling: Turn on or off scaling. (For Taurus devices, scaling is supported only when HDMI 1 is selected as the video source.)	Taurus/TU
	Internal Source Resolution Configuration	Select a resolution and frame rate. • Resolution: Customize the internal source resolution. • Frame Rate: Customize the internal source frame rate.	Taurus/TU
	Input Source EDID Configuration	Select an input source, EDID, and frame rate. • Input Source: Choose the type of input source. • EDID: Customize the input source EDID. • Frame Rate: Customize the input source frame rate.	Taurus/TU
	Output Position	Set the start position of the video output. (This can be set only in manual control mode.)	Taurus

Menu	Submenu	Description	Supported Devices
Date & Time	Mode	Set time synchronization. If you want to enable different devices to play the same content synchronously, time synchronization is required.	Taurus/TU/NS
	Time Zone	Set the UTC time zone.	Taurus/TU/NS
	Time	Display the corresponding time of the time zone you set.	Taurus/TU/NS
Network Settings	Wireless Network	Set the Wi-Fi AP and Wi-Fi Sta of the device. • Hotspot: When the phone is connected to the device Wi-Fi AP, you can set the hotspot name and password. • Wi-Fi: When the device supports dual Wi-Fi modes, you can also set Wi-Fi Sta which allows the device and ViPlex Handy to be connected by connecting the device and ViPlex Handy to the WLAN of the same router. **Notes:** For the devices that support only one Wi-Fi mode, you can switch its built-in Wi-Fi AP to Wi-Fi Sta with ViPlex Handy so as to connect the devices to a WLAN. Switching between Wi-Fi modes requires the device firmware version to be V3.6.2 or later.	Taurus/TU/NS
	Wired Network	Turn on or off DHCP. When the device is connected via Ethernet cable, turn off DHCP and set a static IP address and other relevant information.	Taurus/TU/NS
	Mobile Network	Turn on or off mobile data. If the device is installed with a 4G module, turn on the mobile network when the device is connected to the Internet via mobile data. The carrier is displayed on the page.	Taurus/NS
Synchronous Playback	-	Turn on or off the synchronous playback function. When the function is turned on, synchronous playback can be enabled if the time of different devices is synchronized and all the devices play the same content.	Taurus/NS/TU
Standalone	-	Create standalone solutions after standalone	Taurus

Menu	Submenu	Description	Supported Devices
Playback		playback is turned on. You can set the playback duration, scaling and effect. This feature allows the device to play video and image files without requiring the device password.	NS
Screen Rotation	-	Set the screen rotation angle to 0° (Default), 90°, 180°, or 270°.	Taurus NS
Multi-Screen Mosaic	-	Allows you to quickly mosaic multiple screens. Devices that support multi-screen mosaic: T50/T60/TB40/TB50/TB60/AD20 Horizontal mosaic of screens is supported. You can choose to mosaic screens by quantity or width. The screens are connected with HDMI cables. You only need to configure the starting screen and publish solutions to this screen. For the detailed settings of multi-screen mosaic, see 3.7.11 Multi-Screen Mosaic.	Taurus
Soft Splicing	-	Create splicing screens for playing splicing solutions.	NS
Power Control	Control Mode	Choose manual or scheduled.	Taurus/TU
	Scheduled Power Control	When the control mode is set to **Scheduled**, you can add power labels, turn on/off power, and select the time, repetition method, and execution date.	
	Player Power	Turn on/off board power.	
	Multifunction Card-Relay Power	Turn on/off multifunction card-relay power.	
Restart	Restart Now	Restart the device immediately. (The device password is required.)	Taurus/TU/NS
	Schedule Restart	Restart the device as scheduled. You can set rules for scheduled restart.	Taurus/TU/NS
Power On/Off	-	Schedule power on/off and specify the repetition frequency. The interval between power on and off cannot be less than 2 minutes. The device will be powered on/off as scheduled.	NS
Restore	Clear Unused	Clear the media that is not played. (The device	Taurus/TU/NS

Menu	Submenu	Description	Supported Devices
	Media	password is required.)	
	Clear All Media	Clear all the media stored in the device. (The device password is required.)	Taurus/TU/NS
	Restore Factory Settings	Reset the device to factory settings. (The device password is required.)	Taurus/TU/NS
Bind to Cloud	-	Bind devices to VNNOX Standard/AD. **Notes:** • Before binding a device, connect the device to the Internet, otherwise, it cannot be bound successfully. • Bind devices to VNNOX Standard/AD requires authentication information. Log in to VNNOX (www.vnnox.com) and choose > **Screen Authentication** from the top right to view **VNNOX Standard/AD Authentication Information**.	Taurus/TU/NS
Device Password	-	Change device connection password.	Taurus/TU/NS
Monitoring Information	Ambient Brightness	Display the ambient brightness. This is available only when a light sensor is connected to the device.	Taurus/TU/NS
	CPU	Displays the CPU usage.	Taurus/TU/NS
	Available Memory	Display the memory usage of the device.	Taurus/TU/NS
	Internal Storage	Display the internal storage usage.	Taurus/TU/NS
	Storage Expansion USB Drive	Display the storage usage of the storage expansion USB drive. (This feature is only available for TU V1.5.1 and later)	TU
	External Storage	Display the external storage usage.	Taurus/TU/NS
	Time Zone	Display the time zone of the device.	Taurus/TU/NS
	Date & Time	Display the date and time of the device.	Taurus/TU/NS
Device Information	-	• Set the device name, and display the device model, SN, Android version, system version,	Taurus/TU

Menu	Submenu	Description	Supported Devices
		FPGA version, MAC address and sub-software version. • Set the registration address • Obtain the logs related to the screen. • View device connection information.	
Device Diagnostics	-	Test the hardware, working status, display and network of the device. Users can view and share the diagnostics report.	TU
Device Upgrade	-	One tap to upgrade the device to the latest version. The device restarts and is disconnected after upgrade.	TU/Taurus (V4.7.4 and later)

3.7.1 Brightness Adjustment

Operating Procedure

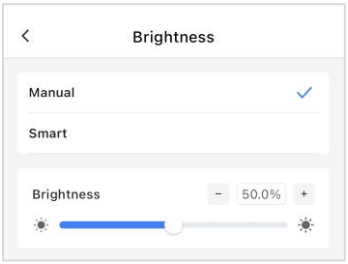
Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Brightness**.

Step 3 Select a brightness adjustment mode, including **Manual** and **Smart**.

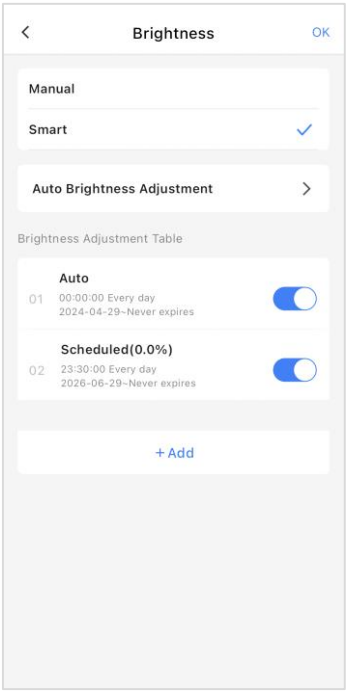
- Manual brightness adjustment: tap − / + or drag the slider to manually adjust the brightness value.

Figure 3-20 Manual brightness adjustment



- Smart brightness adjustment: Set automatic brightness adjustment parameters and add a brightness adjustment table.

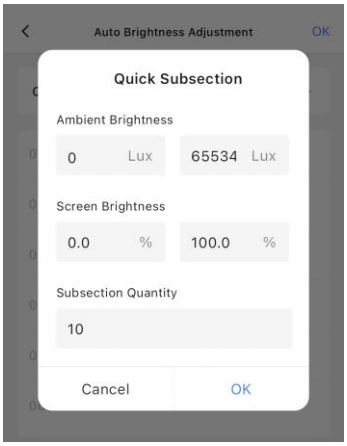
Figure 3-21 Smart brightness adjustment



- Set automatic brightness adjustment parameters: Tap **Quick Subsection**, set the range of ambient brightness and screen brightness and the number of subsections in the pop-up window, and then tap **OK**.

  After completing the settings, tap **OK**.

Figure 3-22 Automatic brightness adjustment parameters

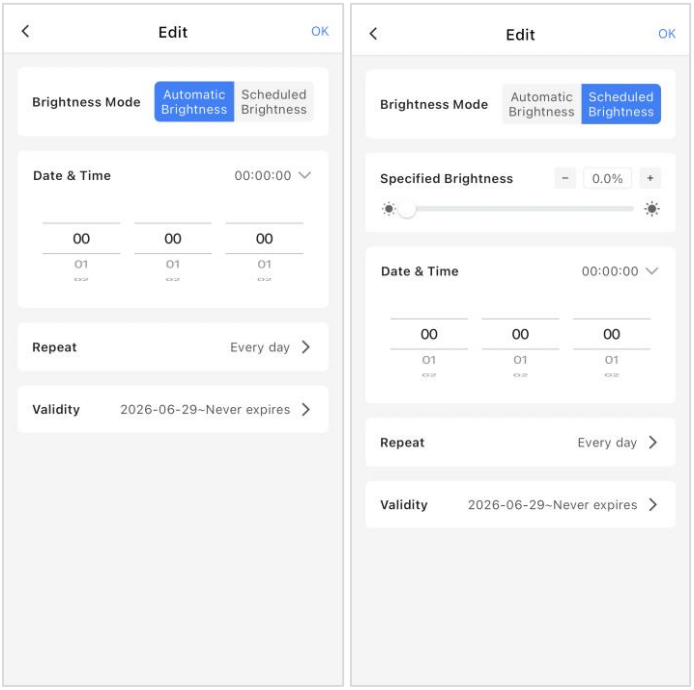


- Add a brightness adjustment table: Tap **Add** and select a brightness mode, including **Automatic Brightness** and **Scheduled Brightness**.

  Automatic brightness: The screen brightness is automatically adjusted according to the brightness mapping table within the specified time range.

  Scheduled brightness: Set a brightness value, time, repetition method, and validity period.

Figure 3-23 Brightness adjustment table



After completing the settings, tap **OK**.

Note:

For the smart brightness adjustment parameters to take effect, a brightness sensor needs to be connected to the device.

Step 4 Return to the **Brightness** page to view the brightness adjustment table and select whether to enable the brightness adjustment task. The screen brightness will be automatically adjusted according to the brightness mapping table during the specified time range.

Step 5 The brightness mapping table divides the ambient brightness into several intervals, sets the corresponding screen brightness for each interval, and then specifies the brightness collection interval and number of times. The screen brightness will automatically adjust according to the range of ambient brightness collected.

Step 6 Tap **OK** to complete the brightness settings.

3.7.2 Color Temperature Adjustment

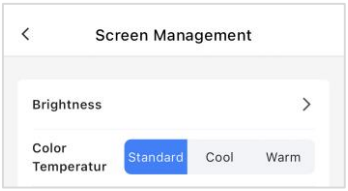
Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Color Temperature**.

Step 3 Select the color temperature of the screen, including **Standard**, **Cool**, and **Warm**.

Figure 3-24 Color temperature



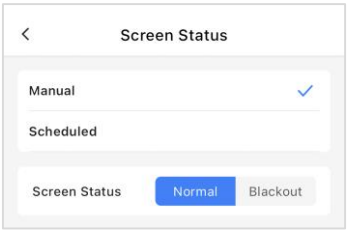
3.7.3 Screen Status Control

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Screen Status**.

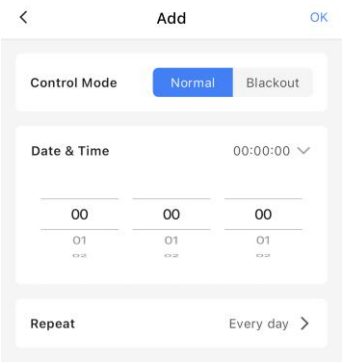
Figure 3-25 Screen status



Step 3 Select a screen status control method, including **Manual** and **Scheduled**.

- Manual: Manually set the screen status to **Normal** or **Blackout**.
- Scheduled: Tap **Add** to select a control mode, time, and repetition method. Tap **OK**.

Figure 3-26 Scheduled



3.7.4 Volume Adjustment

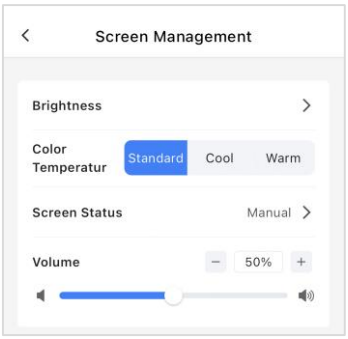
Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Volume**.

Step 3 Tap the − / + or drag the slider to manually adjust the volume value.

Figure 3-27 Volume adjustment



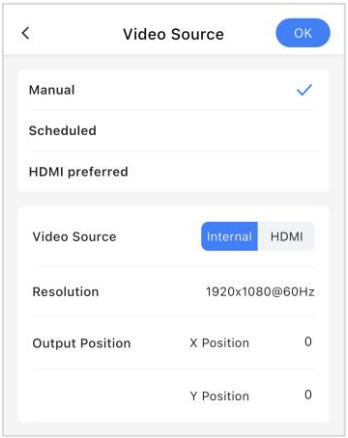
3.7.5 Video Source Configuration

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Video Source**.

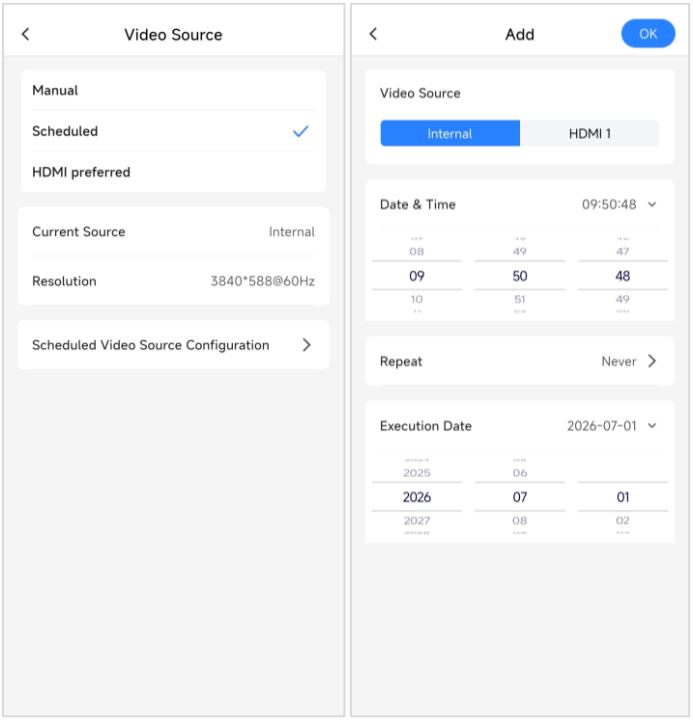
Figure 3-28 Video source



Step 3 Set the video source switching mode.

- Manual: Manually switch between video sources.
- Scheduled: Switch between video sources as scheduled. Tap **Scheduled Video Source Configuration**, and on the **Scheduled Video Source List** page, tap **Add** to add a video source type, including **Internal** and **HDMI**, and select the time, repetition method, and execution date. After completing the settings, tap **OK**.

Figure 3-29 Scheduled



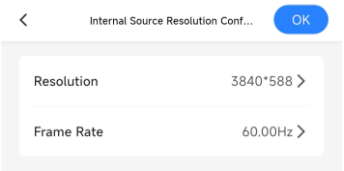
- HDMI preferred (only available for Taurus): Prioritize the use of the HDMI source.

Step 4 Select a video source type. Switching between internal and HDMI sources are supported. The following settings can be made:

- Resolution/Frame Rate: Set the resolution/frame rate of the video source.
- Scaling: Enable or disable scaling (for Taurus, scaling is only supported when HDMI is selected as the video source).

Step 5 If the video source type is selected as internal source, configure the internal source resolution.

Figure 3-30 Internal source resolution configuration

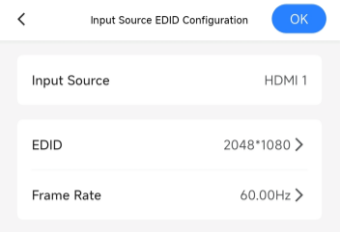


- Resolution: Customize the internal source resolution.
- Frame Rate: Customize the internal source frame rate.

After completing the settings, tap **OK**.

Step 6 If the video source type is selected as HDMI, configure the input source EDID. Select input source, EDID, and frame rate.

Figure 3-31 Input source EDID configuration



- Input Source: Select an input source type.
- EDID: Customize the input source EDID.
- Frame rate: Customize the input source frame rate.

Step 7 After completing the settings, select **OK**.

3.7.6 Time Synchronization Configuration

Related Information

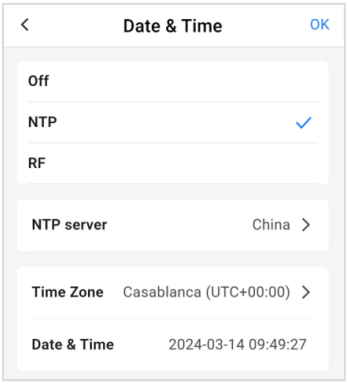
- When RF time synchronization is used, it is necessary to set one Taurus in the RF network as the master device and the other Taurus as slave devices.
  - The master device is used as a time reference, and the slave devices synchronize time from the master device by the radio frequency signal.
  - Taurus supports time synchronization of the master device from the NTP server.
  - Before using RF time synchronization, it is necessary to install the RF module in advance. ViPlex Express can detect and display the status of RF modules.
- Before using GPS for time synchronization, it is necessary to purchase and install a network module in advance.

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Date & Time**.

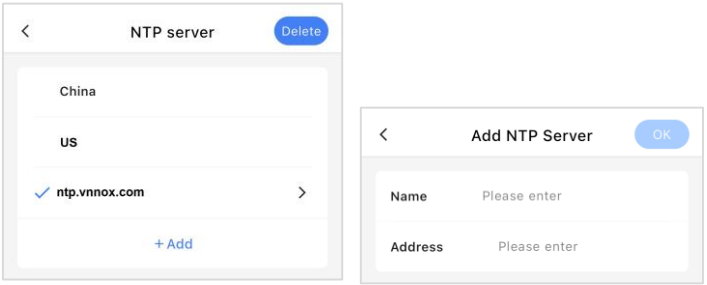
Figure 3-32 Date and time



Step 3 Select a time synchronization mode, including **Off**, **NTP**, and **RF**.

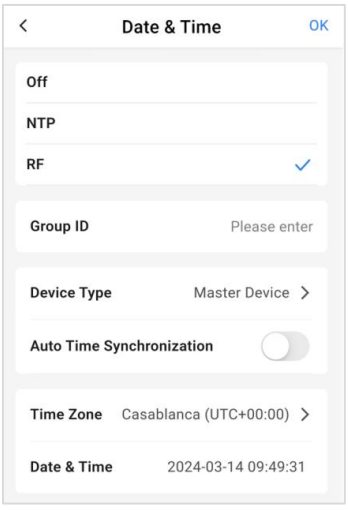
- Off: Manually set the time zone and view the corresponding time.
- NTP: Select an NTP server. Choose **NTP server** > **Add**, enter a server name and address on the **Add NTP Server** page, and then tap **OK**.

Figure 3-33 Adding an NTP server



- RF: Set an organization ID, device type, and whether to turn on the automatic time synchronization.

Figure 3-34 RF time synchronization



  - Organization ID: Enter the organization ID of the master device for the slave device to divide it into a group with the master device.

- Device type: Select a device type, including **Master Device** and **Slave Device**.
- Auto Time Synchronization: If the master device needs to synchronize from an NTP server, enable **Auto Time Synchronization** and set up an NTP server.

Step 4 After completing the settings, select **OK**.

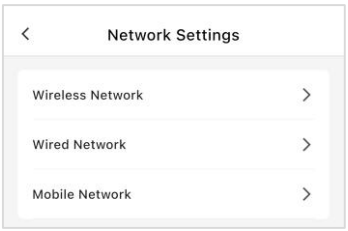
3.7.7 Network Configuration

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Network Settings**.

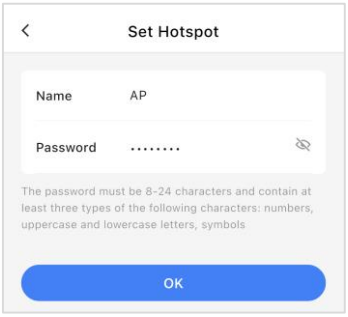
Figure 3-35 Network settings



Step 3 Set the wireless network, wired network, and mobile network as needed.

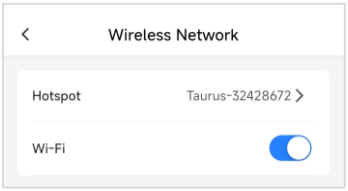
- Wireless Network: Set the device's hotspot and Wi-Fi.
- Hotspot: Set the name and password of the device's hotspot when connecting the device via Wi-Fi AP. After completing the settings, tap **OK**.

Figure 3-36 Hotspot



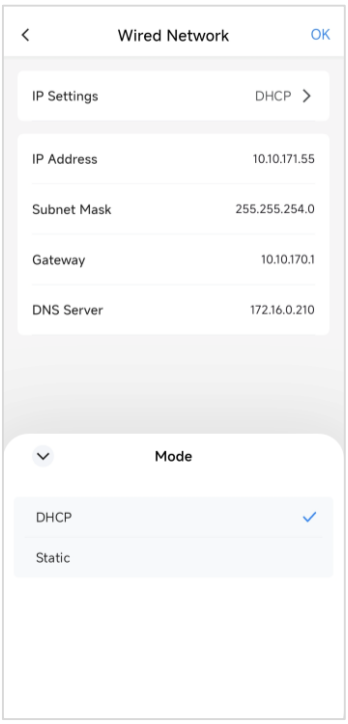
- Wi-Fi: When the device supports Wi-Fi mode, after turning on Wi-Fi, connect the device and phone with ViPlex Handy installed to the same WLAN through an external router to realize device connection.

Figure 3-37 Wi-Fi



- Wired Network: Tap **IP Settings** to switch between **DHCP** and **Static**. When selecting **Static**, enter the IP address, subnet mask, gateway, and DNS server information. After completing the settings, tap **OK**.

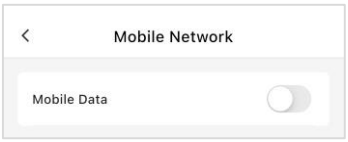
Figure 3-38 Wired network settings



- Mobile Network: Turn on or off mobile data.

  If your device has a 4G module, please turn on mobile network when the device is connected to the Internet via mobile data. The page will then display the carrier information.

Figure 3-39 Mobile network settings



3.7.8 Synchronous Playback

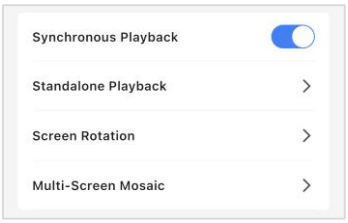
Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Turn on or off **Synchronous Playback**.

When synchronous playback is turned on, if different devices are time synchronized and the playing content is the same, synchronous playback of different screens can be enabled.

Figure 3-40 Synchronous playback



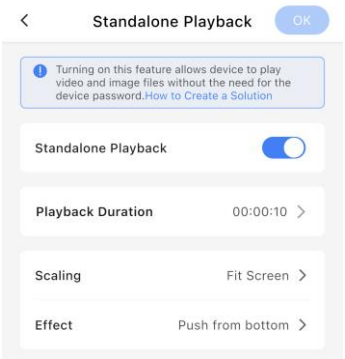
3.7.9 Standalone Playback

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Standalone Playback**.

Figure 3-41 Standalone playback



Step 3 After turning on standalone playback, set the playback duration, scaling and effect, so that the device can play video and images without requiring the device password.

Step 4 Tap **OK**.

Step 5 Insert a USB drive into the computer, create a playback directory, and place the required files to the root directory of the USB drive.

Rules for solution file names: 3-digit numbers in ascending order (example: 001-XXX, 002-XXX…999-XXX)

Step 6 Insert the USB drive into the device's USB port.

The copying progress is displayed on the screen. Once copied to the device, the files will be played on the screen.

3.7.10 Screen Rotation

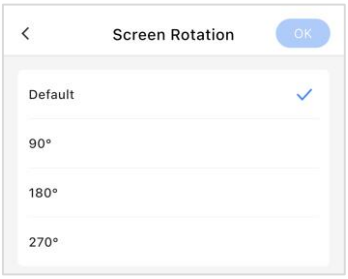
Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Screen Rotation**.

Step 3 Set the screen rotation angle, including 0 degrees (default), 90 degrees, 180 degrees, and 270 degrees.

Figure 3-42 Screen Rotation



Step 4 After completing the settings, tap **OK**.

3.7.11 Multi-Screen Mosaic

Scenarios

Quickly mosaic multiple screens with the same specifications.

Prerequisites

- The model of devices used for multi-screen mosaic is T50/T60/TB40/TB50/TB60/AD20.
- The devices used for multi-screen mosaic must be of the same model and firmware version.
- Only horizontal mosaic of screens with the same specifications is allowed.
- Screens are connected in order via HDMI. Users need to configure the starting screen and publish a solution to it.
- Up to 10 screens can be mosaicked and the maximum mosaic width is 4096 pixels.

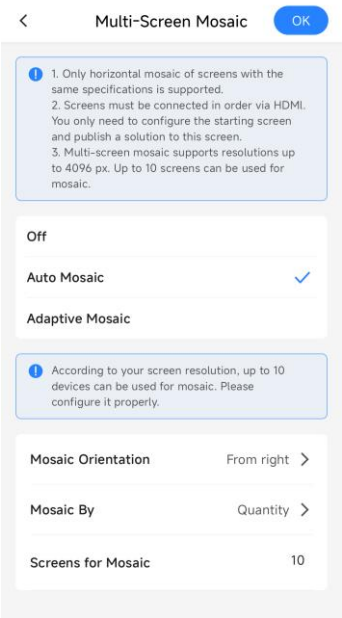
Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Multi-Screen Mosaic**.

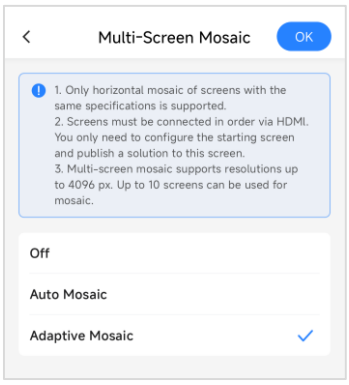
Step 3 Select a multi-screen mosaic method, including **Auto Mosaic**, **Adaptive Mosaic** and **Off**.

- Auto Mosaic: Only the mosaic parameters of the device at the starting position are configured according to the actual situation.



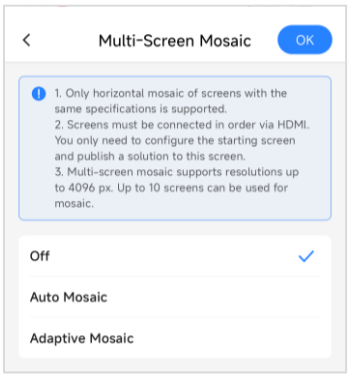
  - Mosaic Orientation: Set the mosaic orientation of the screens to **From left** (default) or **From right**.
  - Mosaic By: Choose to mosaic screens by quantity (default) or width.
  - Screens for Mosaic: When you choose to **Mosaic By Quantity**, set **Screens for Mosaic**, namely the number of screens used for mosaic.

- Adaptive Mosaic: Use HDMI cable to cascade the devices, without setting the quantity, the screens can automatically adapt to display the complete image.



- Off: Turn off multi-screen mosaic.

  After multi-screen mosaic is turned off, all screens display the same complete image.



Step 4 After completing the settings, tap **OK** at the top right of the page.

Note:

For more operations on multi-screen mosaic, see *Multi-Screen Mosaic Configuration Guide*.

3.7.12 Soft Splicing

Prerequisites

- HarmonyOS does not support soft splicing.
- The NS2K series devices are connected.

Operating Procedure

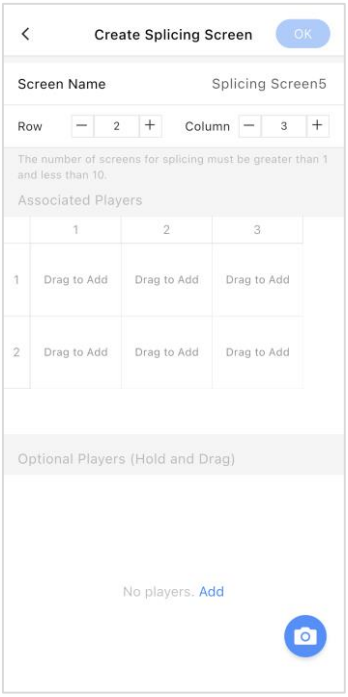
Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Soft Splicing**.

Step 3 Create a splicing screen.

1. Select Soft Splicing to access the Create Splicing Screen page.
2. Set the screen name and the number of rows and columns for splicing the screen.
3. Specify a screen name and splicing layout.
   a. Take a photo: Tap and upload a Mapping photo.
      1) Tap **Camera** to take a Mapping photo. Make sure the Mapping on the photo is complete and clear, and then tap **Use**.
      2) Tap **Choose from Album** to choose and upload a complete and clear Mapping photo.

Figure 3-43 Splicing by taking a photo

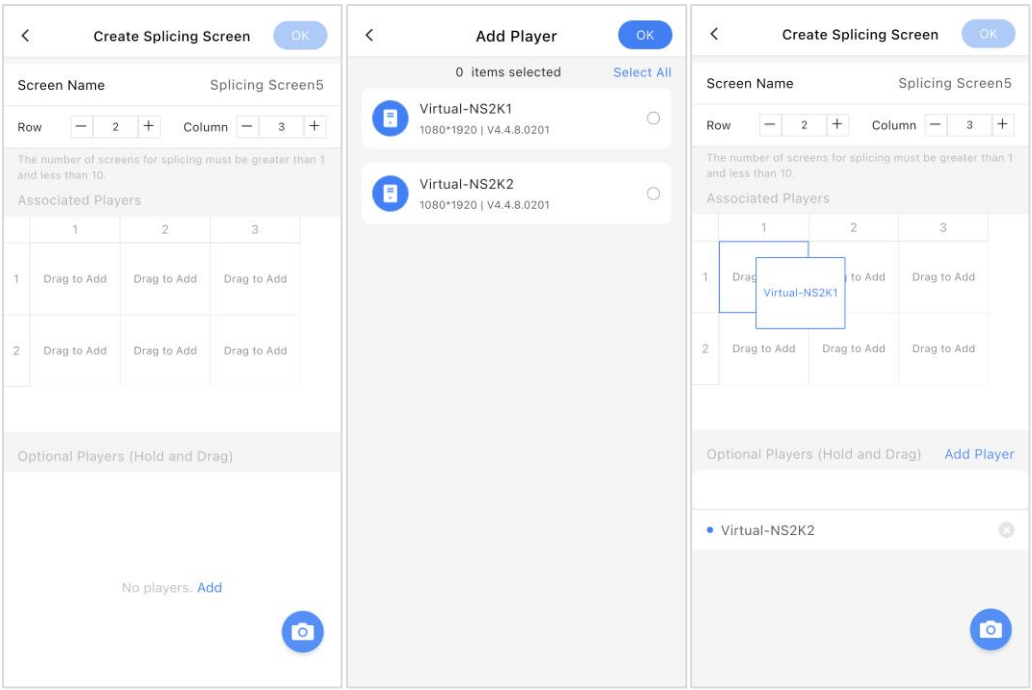


b. Manual splicing:

1) Tap **Add**, select the required devices from the list that appears, and then tap **OK**. (Make sure the resolutions of the selected devices are the same.)

2) Drag the devices in the **Optional Players** area to the corresponding windows of the splicing screen.

Figure 3-44 Manual splicing



3) At the top right of the page, tap **OK** to create a splicing screen.

3.7.13 Power Control

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Power Control**.

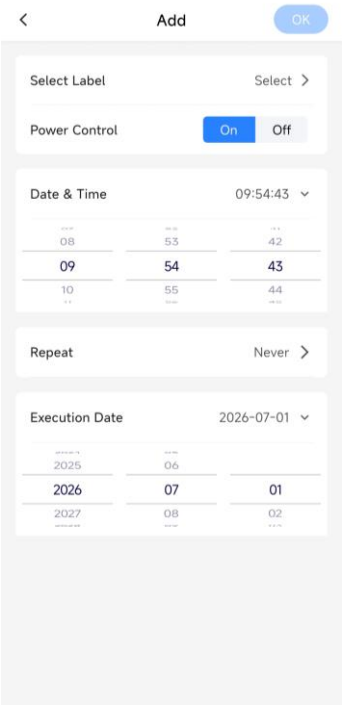
Figure 3-45 Power control

Step 3 Select a control mode, including **Manual** and **Scheduled**.

- Manual: Turn on the screen or turn off the power of this board (player power supply).
- Scheduled: Tap **Scheduled Power Control** and tap **Add** on the **Scheduled Power Control** page.

  You can add power labels, set power on or off, select time, repetition method, and execution date.

Figure 3-46 Scheduled power control



Step 4 After completing the settings, tap **OK**.

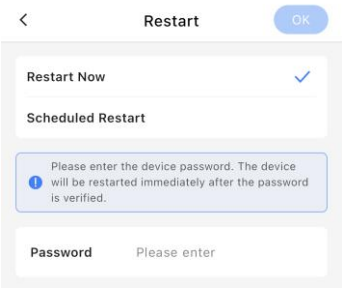
3.7.14 Restart Settings

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

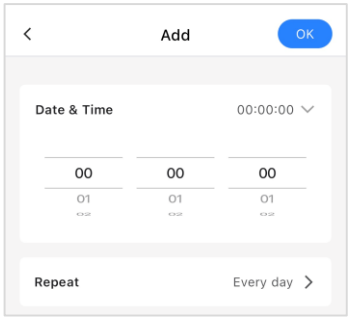
Step 2 Select **Restart**.

Figure 3-47 Restart



Step 3 Choose **Restart Now** or **Scheduled Restart**.

- Restart Now: Restart the device immediately. This action requires the screen password. After entering the information, tap **OK**.
- Scheduled Restart: Scheduled restart of the device requires setting the time and repetition method. After completing the settings, tap **OK**.



3.7.15 Power On/Off

Prerequisites

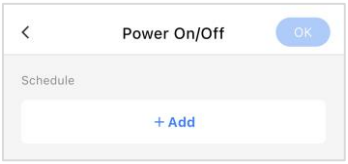
The NS2K series devices are connected.

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Power On/Off**.

Figure 3-48 Power on/off



Step 3 Tap **Add** to set the power-on time, power-off time, and repetition method.

Figure 3-49 Power-on and power-off rules

Note:

The interval between power on and off cannot be less than 2 minutes.

Step 4 Tap **OK**.

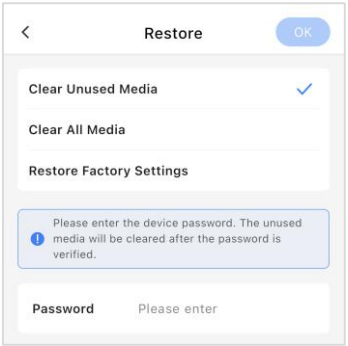
3.7.16 Restore

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Restore**.

Figure 3-50 Restore



Step 3 Select **Clear Unused Media**, **Clear All Media**, or **Restore Factory Settings** as required, all these actions require the screen password.

- Clear Unused Media: Clear the unplayed media stored in the device.
- Clear All Media: Clear all media stored in the device.
- Restore Factory Settings: Restore the device to its factory settings.

Step 4 Tap **OK**.

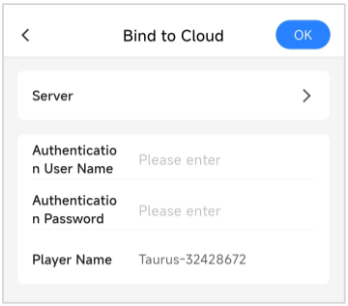
3.7.17 Bind to Cloud

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Bind to Cloud**.

Figure 3-51 Bind to cloud



Step 3 Select a server and enter the authentication username and password.

Binding devices to cloud publishing requires authentication information. Please log in to VNNOX (www.vnnox.com) and choose > **Screen Authentication** in the upper right corner of the page to view the authentication information.

Step 4 Tap **OK**.

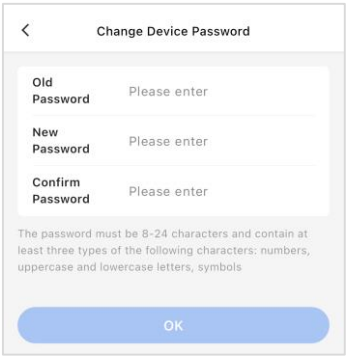
3.7.18 Device Password

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Device Password**.

Figure 3-52 Device password



Step 3 After changing the connection password for the local device, tap **OK**.

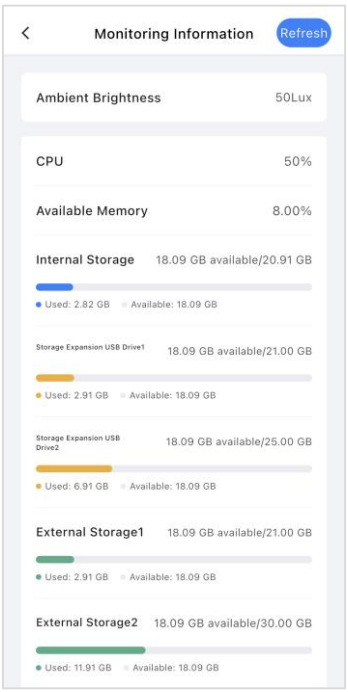
3.7.19 Monitoring Information

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Monitoring Information**.

Figure 3-53 Monitoring information



Step 3 Monitor the ambient brightness, CPU, available memory, device storage, USB expansion, time zone, time, and other information.

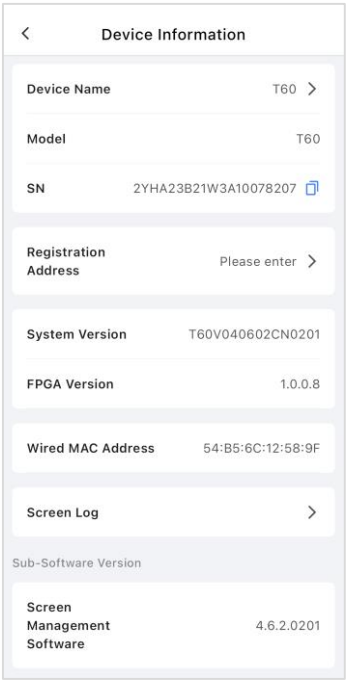
3.7.20 Device Information

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Device Information**.

Figure 3-54 Device information



Step 3 Display information such as device model, SN, Android version, system version, FPGA version, MAC address, and sub-software version. You can also set the device name, enter registration address, obtain screen logs, and view device connection information.

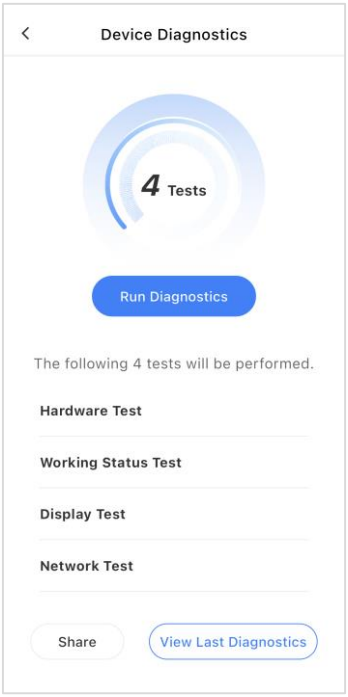
3.7.21 Device Diagnostics

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

Step 2 Select **Device Diagnostics**.

Figure 3-55 Device diagnostics



Step 3 Tap **Run Diagnostics** to check the device hardware, working status, display, and network. After the test is completed, you can view and share the test report.

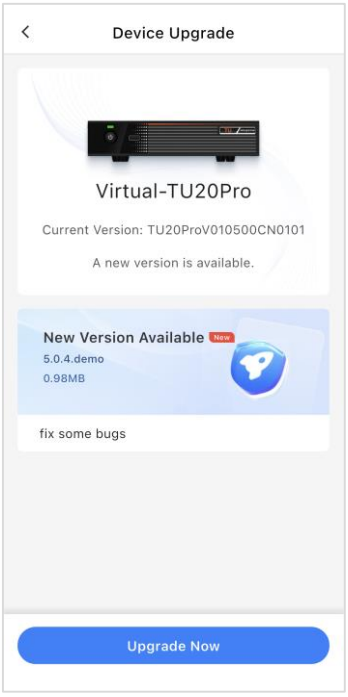
3.7.22 Device Upgrade

Operating Procedure

Step 1 On the homepage, tap **Screen Management**.

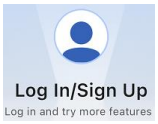
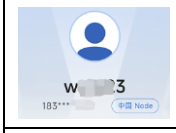
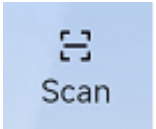
Step 2 Select **Device Upgrade**.

Figure 3-56 Device upgrade



Step 3 Tap **Upgrade Now** to upgrade the device to the latest version. The device will restart and disconnect once the upgrade is complete.

3.8 Personal Settings

Menu	Description
	Log in or sign up for an account. (This is displayed when you are not logged in)
	Your account and node are displayed. (This is displayed when you are logged in)
	Scan the QR code on login page of VNNOX to allow you to log in to VNNOX, enabling interconnectivity between ViPlex Handy and VNNOX accounts. Note: The login node in VNNOX must remain the same as the node in ViPlex Handy.
My Credits	View current credit details and set AI watermark. For detailed operations, see 3.8.1 View AI Credits and Watermark Settings.
Bind Device to Cloud	If the account is not logged in, tap **Bind Device to Cloud** to bind the device to cloud by entering or scanning the device SN. For detailed operations, see 3.8.2 Bind Device to Cloud.

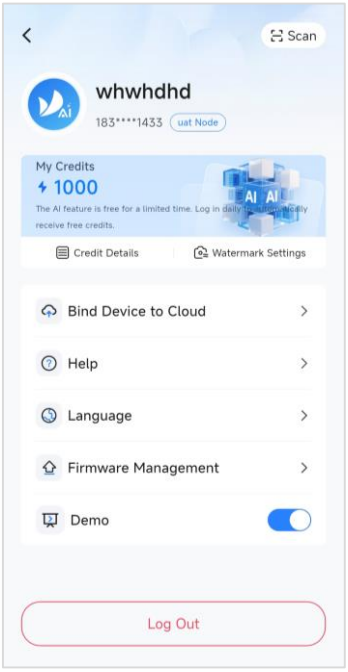
Menu	Description
Help	Display the software version, copyright information, email address and provides access to the user manual. You can also give your feedback here.
Language	Change the display language.
Firmware Management	Upgrade the firmware version of the device.
Demo	Turn on/off demo mode. Turning on demo mode allows users to try the features without connecting to real devices.
Log Out	Log out of ViPlex Handy.

3.8.1 View AI Credits and Watermark Settings

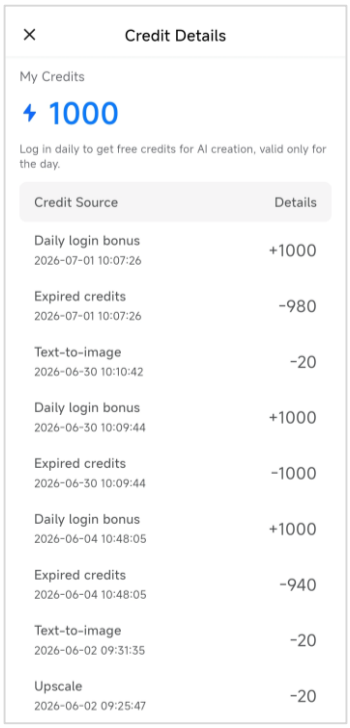
Operating Procedure

Step 1 On the homepage, tap  to access the personal center.

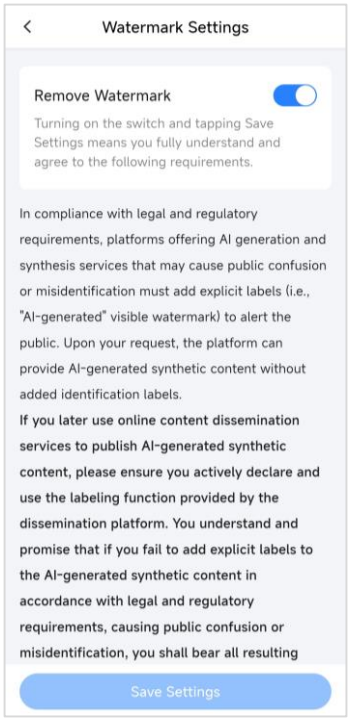
Step 2 In the **My Credits** area, view the credit details and make watermark settings.



- Credit Details: During AI creation, you can view the current credit details. Each creation consumes 20 credits, and 1000 credits will be restored when you log in again or use AI-related functions the next day.



- Watermark Settings: After reading the relevant laws and regulations, you can turn on the watermark removal switch and select the watermark position as needed, and tap **Save Settings**.



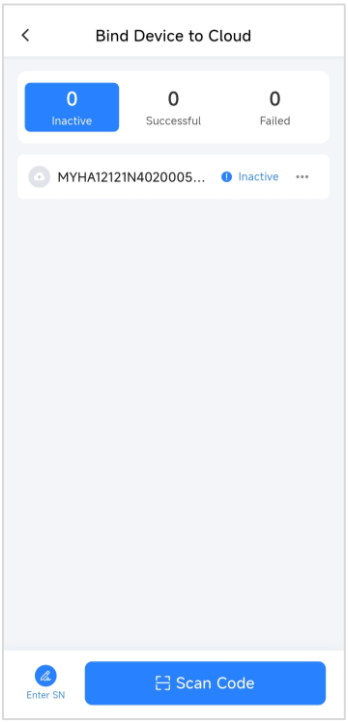
3.8.2 Bind Device to Cloud

Operating Procedure

Step 1 On the homepage, tap  to access the personal center.

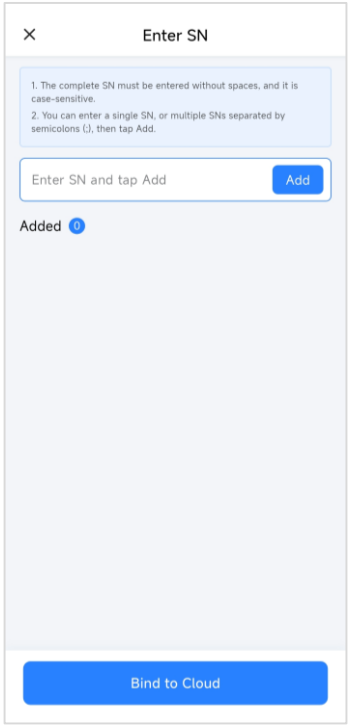
Step 2 If the account is not logged in, tap **Bind Device to Cloud**.

Step 3 On the **Bind Device to Cloud** page, view the status of the devices that are currently bound to the cloud, including **Inactive**, **Successful**, and **Failed**.

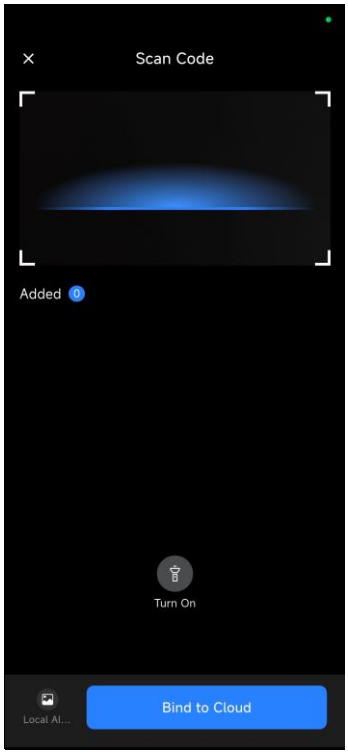


Step 4 Bind the device to the cloud by entering the SN or scanning the SN.

- Enter SN: Enter the SN of the device manually, tap **Add**, and then tap **Bind to Cloud**.



- Scan Code: Scan the device SN, or upload a picture from the local albums. After scanning the SN, tap **Bind to Cloud**.



Step 5 Verify identity to confirm whether the current login account, node and cloud publishing system are correct. After confirmation, tap **OK**.

Step 6 Wait for the device to complete binding.

Step 7 Tap ••• to delete the devices that have successfully bound to the cloud. Cancel binding the devices to be activated to the cloud. Bind the failed devices to the cloud again or delete the devices.

Note:

If a device fails to be bound to the cloud or is inactive, see 5.5 How to bind a device to the cloud?

4 Cloud Screen Management

4.1 Cloud Devices

Scenarios

View and control the devices on the VNNOX cloud platform with ViPlex Handy and bind the connected local devices to cloud.

Prerequisites

- Your phone is connected to the Internet.
- Your VNNOX account has access to **Cloud Devices**.

Operating Procedure

Step 1 On the homepage, tap **Cloud Screen Management**.

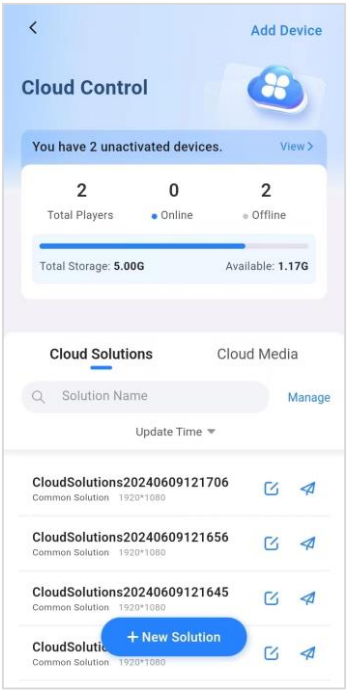
Step 2 Tap **Total Players** to view the cloud devices.

You can tap **Device Status** to filter the devices by status.

-  denotes that the device is online. You can tap to do the following.
  - Control: Set the screen status to **Black** or **Normal**. (You can also tap the device name to set the screen status.)
  - Rename: Set the device name.
  - Delete: Remove the device from the device list of the cloud platform, namely, unbind the device from the cloud platform.
- denotes that the device is offline. You can tap to do the following.
  - Rename: Set the device name.
  - Delete: Remove the device from the device list of the cloud platform, namely, unbind the device from the cloud platform.

Step 3 Tap **Add Device** at the top right of the page to bind local devices to cloud.

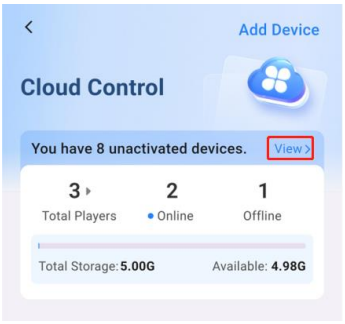
Figure 4-1 Adding local devices



Step 4 Tap **View** next to **You have x unactivated devices** to view the devices that are not bound to the cloud platform yet after you complete the operation of binding.

For troubleshooting, see 5.5 How to bind a device to the cloud?

Figure 4-2 Unactivated devices



Step 5 Tap **Total Players** and tap a player to set the screen brightness, volume and status of the screen in real time.

4.2 Cloud Solutions

Scenarios

View, create, publish, and delete the solutions on the VNNOX cloud platform with ViPlex Handy.

Prerequisites

- Your phone is connected to the Internet.
- Your VNNOX account has access to **Cloud Solutions**.

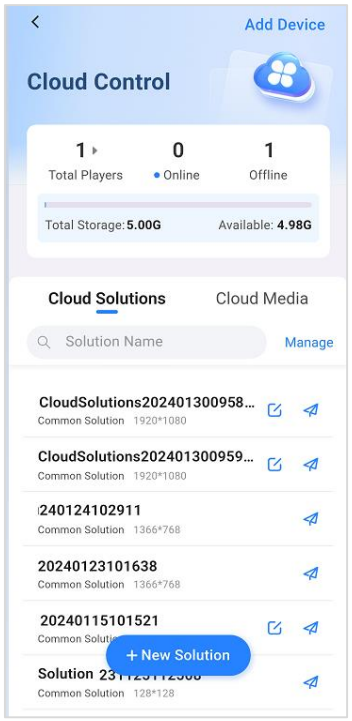
Operating Procedure

Step 1 On the homepage, choose **Cloud Screen Management** > **Cloud Solutions** to view cloud solutions from ViPlex Handy.

Step 2 Create solutions.

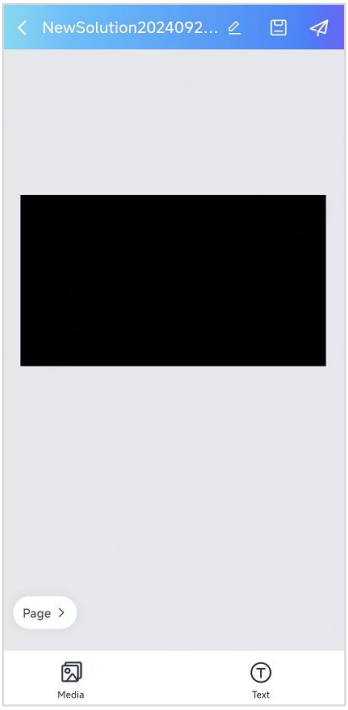
1. Tap +New Solution.

Figure 4-3 Creating a solution



2. Specify a solution name and resolution, then tap **OK**.
3. From the bottom of the editing page, tap to add **Media** or **Text**.

Figure 4-4 Editing the solution



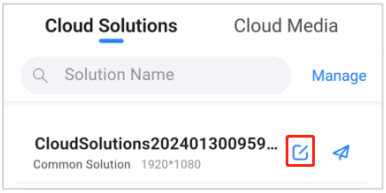
4. Set properties. The properties of different media types vary.
5. Tap a media item. The following icons appear:
   - :
     - : Scale to fit the entire screen
     - : Scale to fit the screen horizontally
     - : Scale to fit the screen vertically
   - :
     - : Bring to front
     - : Bring forward
     - : Send backward
     - : Send to back
   - : Delete the window
6. Tap to save the solution.

Step 3 Edit solutions.

1. Tap next to a solution to edit the solution.

   Solutions only created with ViPlex Handy are editable and is displayed next to each editable solution.

Figure 4-5 Editing a solution

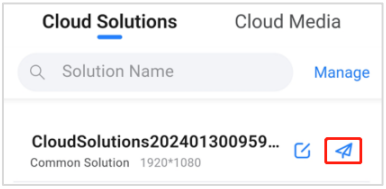


2. Add media, change media properties, or delete media.
3. Tap  to save the solution.

Step 4 Publish solutions.

1. On the editing page or cloud solution list, tap  .

Figure 4-6 Publish a solution



2. Select one or more devices and tap **Publish**.

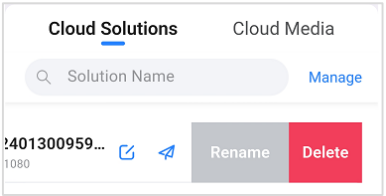
Note:

When the solution exceeds the supported range of the device, it will be transcoded automatically.

Step 5 Delete solutions.

3. On the cloud solution list, slide a solution to left.
4. Tap **Delete** > **OK**.

Figure 4-7 Deleting solutions



4.3 Cloud Media

Scenarios

Upload images and videos to the media library, and view and delete the images and videos in the media library. The media library refers to the media contents in VNNOX Standard.

Prerequisites

- Your phone is connected to the Internet.
- Your VNNOX account has access to **Cloud Media**.

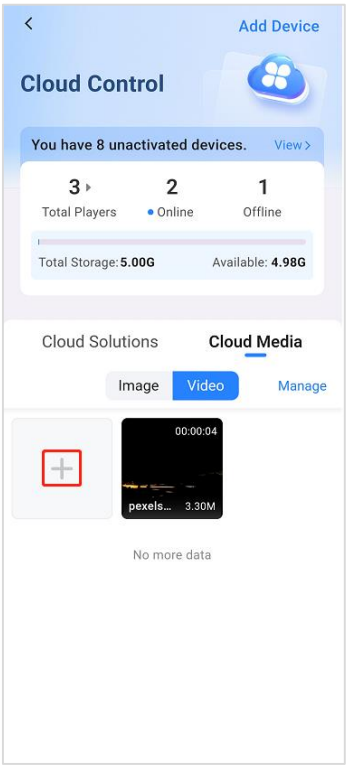
Operating Procedure

Step 1 On the homepage, choose **Cloud Screen Management** > **Cloud Media** to view the images and videos in the media library.

Step 2 Do the following as required.

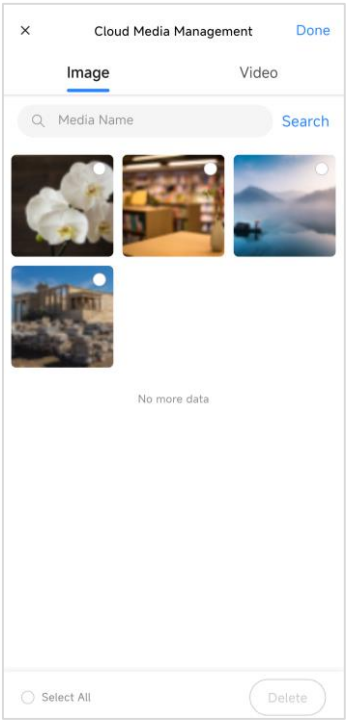
- Upload local media to the media library: Select the **Image** or **Video** tab and tap **Add Media** (when the media library is empty) or **+** (when there are media in the media library) to upload local images and videos to the media library.

Figure 4-8 Uploading media



- Search for media in the media library: Tap **Manage**, enter a media name in the search box, and then tap **Search**.
- Delete media in the media library: Tap **Manage**, select media and tap **Delete** > **OK**.

Figure 4-9 Managing media



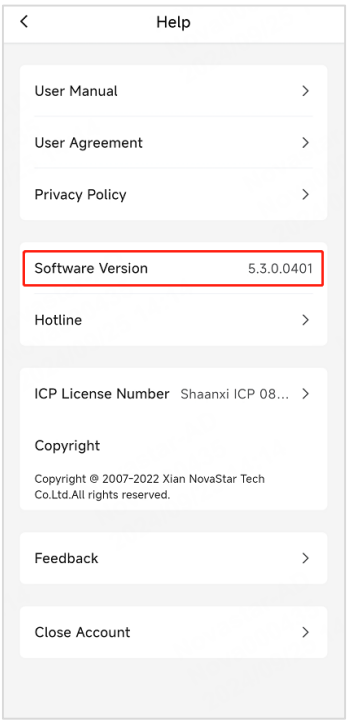
5 FAQ

5.1 How to check the version of ViPlex Handy?

Step 1 On the homepage, tap at the top left.

Step 2 Tap **Help** to view the version of ViPlex Handy.

Figure 5-1 Version of ViPlex Handy



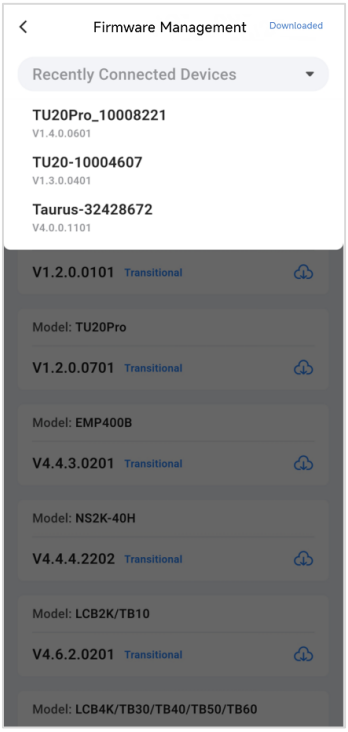
5.2 How to check the firmware version of a device?

Step 1 On the homepage, tap .

Step 2 Tap **Firmware Management** > **Recently Connected Devices**.

Step 3 On the drop-down list, view the firmware versions of the recently connected devices.

Figure 5-2 Firmware versions



5.3 How to upgrade the firmware version of a device?

Strategy

- If the firmware version of a device is earlier than V2.3.0, it must be upgraded to V2.3.0 before upgraded to the latest version.
- If the firmware version of a device is V2.3.0 or later, it can be upgraded directly to the latest version.

Note:

If a device earlier than V1.2.8 is connected to ViPlex Handy, a prompt saying the firmware version is too old will be displayed and instruct you to upgrade the firmware of the device. If you choose not to upgrade the firmware, you cannot continue using ViPlex Handy.

Operating Procedure

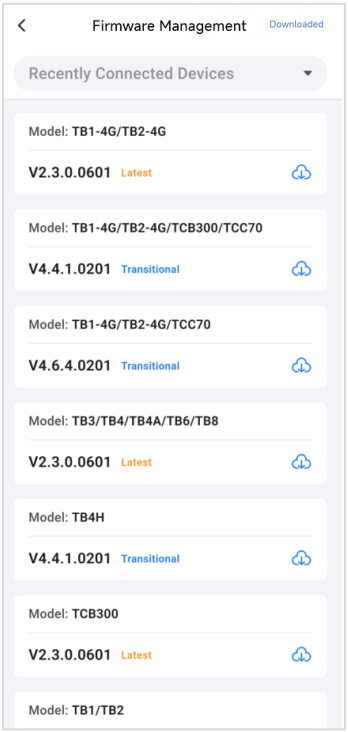
Step 1 On the homepage, tap .

Step 2 Tap **Firmware Management** to access the firmware package list.

Step 3 Connect your phone to a Wi-Fi network with Internet access or turn on mobile data. ViPlex Handy automatically displays the firmware upgrade packages of different models of devices, as shown in Figure 5-3.

If the required firmware upgrade package has been downloaded before, go to Step 5.

Figure 5-3 Firmware management

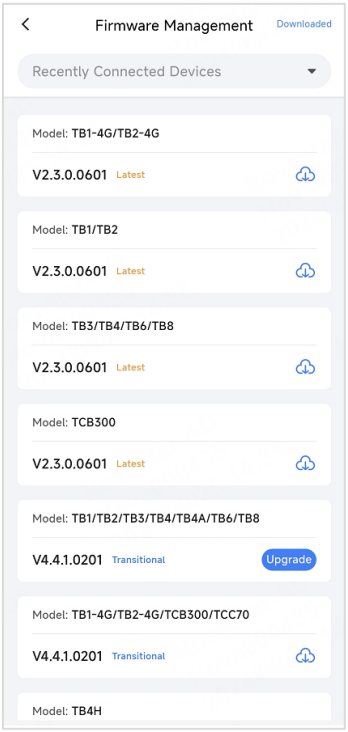


Step 4 Do any of the following to download the required firmware upgrade package.

- Tap the download button next to the required upgrade package.
- Tap **Recently Connected Devices**, select the target device, and tap **OK** to filter out the upgrade packages of the device quickly, then tap next to an upgrade package.

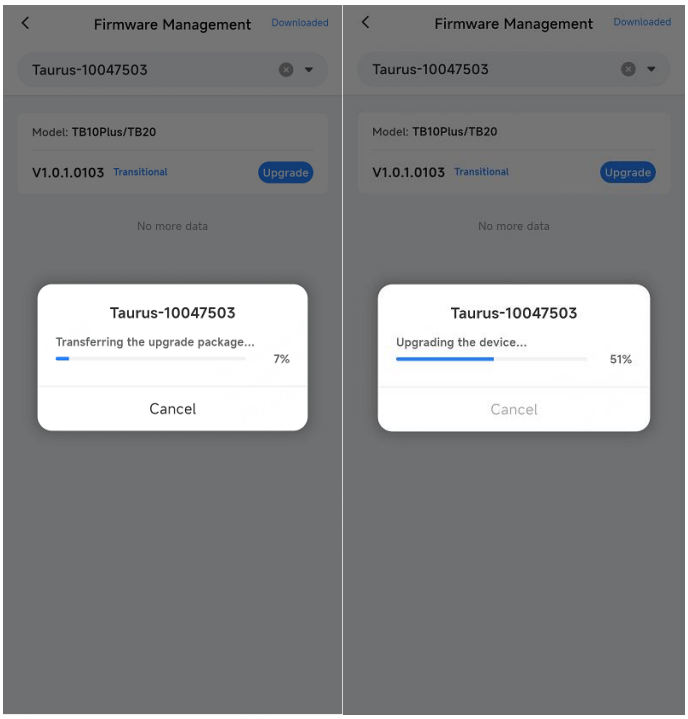
After the download is completed, turns into an **Upgrade** button. You can tap **Downloaded** at the top right of the page to delete downloaded upgrade packages.

Figure 5-4 Download completed



Step 5 Tap **Upgrade** next to the upgrade package of the target version to send the package to the target device.

Figure 5-5 Upgrade



- If you have filtered out the required upgrade package, the target device will be connected automatically after you tap **Upgrade**.

- If you have not filtered the upgrade packages, the recently connected devices will be displayed after you tap **Upgrade**. Select the target device and tap **OK**.
- If device connection fails or no devices are found, manually connect your phone to the Wi-Fi AP of the target device and then tap **Upgrade**.

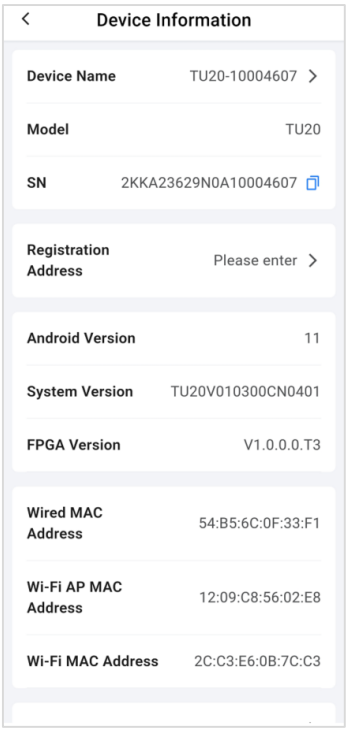
After the firmware package is sent successfully, the device will be upgraded and restarted automatically (this can be done in 15 minutes). Then, reconnect to the device on the homepage.

5.4 How to view the system version of a device?

Step 1 On the homepage, tap **Screen Management**.

Step 2 Tap **Device Information**. The system version is displayed on the page that appears.

Figure 5-6 Firmware versions

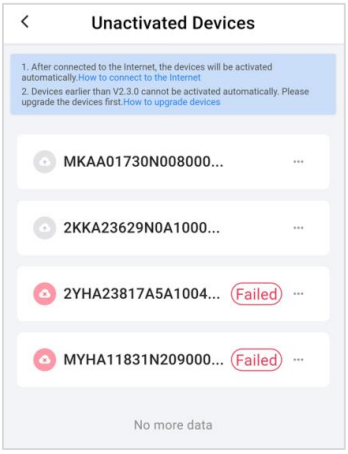


5.5 How to bind a device to the cloud?

Problem Description

After you complete the operation of binding a device to the cloud, it is not bound to the cloud yet and displayed on the **Unactivated Devices** page, as shown in Figure 5-7.

Figure 5-7 Unactivated devices



Possible Causes and Remedies

Status	Possible Cause	Remedy
	The device is not connected to the Internet.	On the **Unactivated Devices** page, tap **How to connect to the Internet** and follow the on-screen instructions to connect the device to the Internet.
	The device and phone are not on the same LAN. (This is required when the device firmware is earlier than V2.3.0.)	Upgrade the device firmware to the latest version with ViPlex Express and then try again.
	The device and cloud server time differ significantly, causing a calibration failure.	Calibrate the device time first, then re-bind to the cloud.
	The device is already bound to the cloud.	Remove the device from the original account.

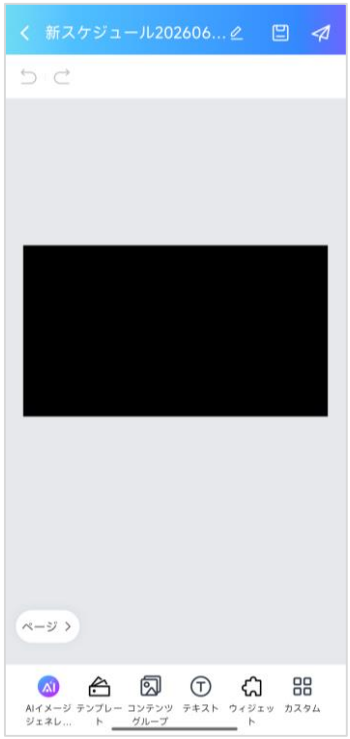
5.6 How to obtain more fonts?

Step 1 On the homepage, choose **Solution Management** > **New Solution**.

Step 2 Select a solution type, edit the solution information, and then tap **OK**.

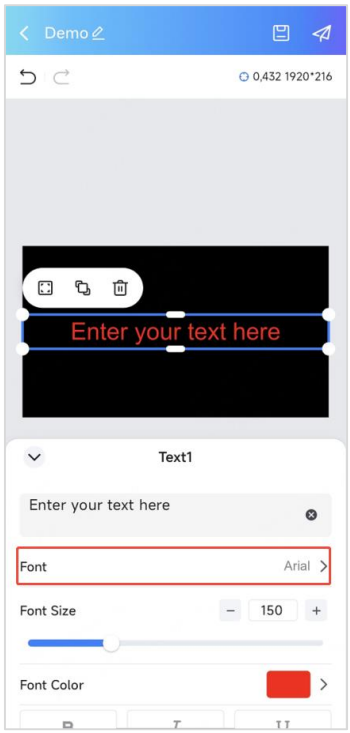
Step 3 Tap **Text** at the bottom of the editing page.

Figure 5-8 Solution editing



Step 4 On the text properties page, select **Font**.

Figure 5-9 Font

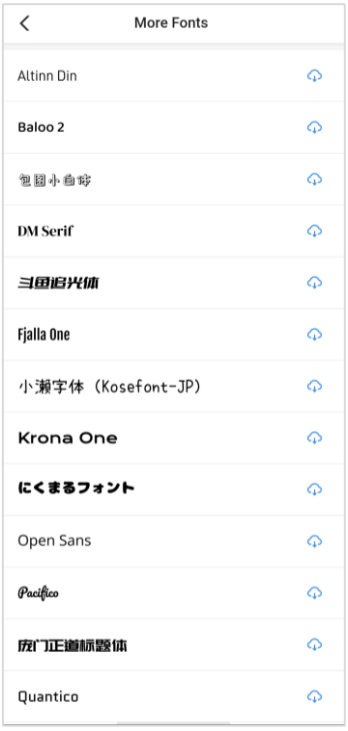


Step 5 Tap **More Fonts**.

Figure 5-10 Font selection

All the fonts on the cloud are displayed by default.

Figure 5-11 More fonts



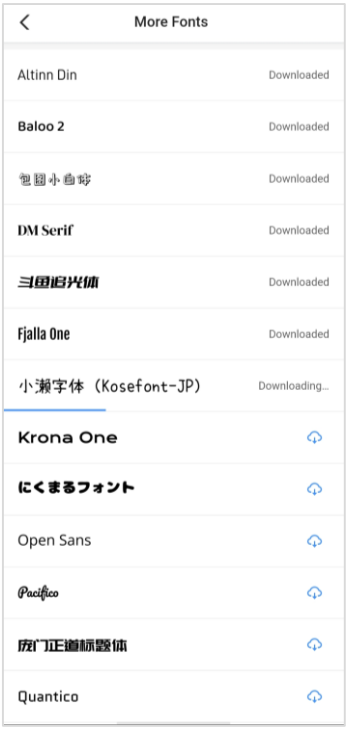
Step 6 Tap next to a font to access the login page of VNNOX.

Make sure your phone is connected to the Internet.

Step 7 Log in to VNNOX.

If you have already logged in to VNNOX, the font download starts. After the download is complete, **Downloaded** is displayed next to the font.

Figure 5-12 Downloading fonts



Step 8 At the top left, tap < to go back to the font page.

The downloaded fonts are displayed on the font list.

Step 9 Select a font to apply it to the text.

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