# ViPlex Express

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## Studio Mode User Manual

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## **1** Software Introduction

ViPlex Express is a display content publishing management system for PC, which is installed in the Windows operating system and allows you to edit solutions and play the solutions on LCD or LED displays. In async mode, ViPlex Express is also used to control multimedia players. This document introduces you to the functions and operations in studio mode.

ViPlex Express is part of the cloud solution. On the startup page of studio mode, clicking **Cloud Platform** on the left menu allows you to view the related information.

#### **Two Working Modes**

ViPlex Express has two working modes and you can switch to your desired mode based on the application scenario.

#### Studio Mode

When a solution is being played in ViPlex Express, the solution is also played synchronously on the display. This mode is applicable to synchronous playback.

The playback window is on the extended display. You can use the screen monitoring function to view the playback on your primary monitor.

#### Async Mode

ViPlex Express sends solutions to multimedia players. The solutions will be stored in the multimedia players and played according to their playback plans. This mode is applicable to the scenario when multimedia players load displays.

#### **Professional Solution Editing**

ViPlex Express is designed with a professional solution editing function allowing you to edit solutions with various contents and complex schedules as required.

#### Multiple pages

A solution can be added with multiple pages that are played in order from top to bottom.

#### Flexible layout

You can use a system template or customize a template when adding a page. In a template, you can set the number, coordinates, width, and height of windows based on your needs.

#### A variety of media

On a page, you can add general windows, cut-to-display window, Office documents, images, videos, GIF, text, colorful text, digital clocks, analog clocks, timers, weather, RSS, streaming media, web pages, and cut-to-display window.

#### Multiple properties

Every type of media has multiple properties that can satisfy your needs and present a variety of solutions.

#### Scheduling as you wish

You can set a period and cycle for each page to play. The schedules of a page can be batch applied to other pages. If the periods of several pages overlap, the pages will be played in order from top to bottom

#### Quick preview

Clicking the preview button allows you to preview the current page. The preview window refreshes immediately when you move on to another page.

#### **All-round Control**

In async mode, ViPlex Express enables you to fully control multimedia players, such as brightness adjustment, time synchronization, font management, terminal upgrade, video source switching, screen status control, play log query, network configuration, RF management, and standalone playback.



# 2 Getting Started

## 2.1 Preparing a PC

Minimum requirements:

- OS: Windows 7 SP1 64-bit
- CPU: i5
- RAM: 4 GB
- HDD: 60 GB

## 2.2 Installing Software

#### **Prerequisites**

- Framework 4.6.x is installed.
- The official version of Visual C++ 2017 runtime components are installed.
- The installation package of ViPlex Express is obtained.

#### Where to Obtain

http://www.en.vnnox.com/download

#### **Installing Software**

Double click the installer to install ViPlex Express by following the wizard.

## 2.3 Checking PC Configuration Options

Table 2-1 Configuration options

To ensure stable playback, please check the Windows configuration options shown in Table 2-1. If a configuration option does not conform to the target status, please change it. This chapter takes Windows 10 as an example.

Configuration Options	Target Status
Windows automatic update	Off
Firewall	• Off
	Allow program connection
	Conforms to any of the above statuses.
Turn off screen	Never
Sleep	Never
Scaling size	100%
Multiple displays	Duplicate these displays
UAC	Never notify
Antimalware Service Executable	Disabled
Superfetch	Manual

#### 2.3.1 Windows Automatic Update

Step 1

Click on the Windows Start menu.

Step 2 Choose Update & Security.

Step 3 On the Windows Update page, click Advanced options.



Step 4 Check whether Windows automatic update is turned off.

#### Figure 2-1 Windows automatic update

Update Options

Give me updates for other Microsoft products when I update Windows.

On On

Automatically download updates, even over metered data connections (charges may apply)



We'll show a reminder when we're going to restart. If you want to see more notifications about restarting, turn this on.
Off

#### 2.3.2 Firewall

- Step 1 Click and the Windows Start menu.
- Step 2 Choose Update & Security.
- Step 3 Select Windows Security.
- Step 4 Click Open Windows Defender Security Center.
- Step 5 Check whether the firewall is turned off. If the firewall needs to be turned on, check whether the connection is allowed. For the method to allow program connection, see 7.1 How to set the inbound firewall rules?

Figure 2-2 Firewall







Open McAfee Firewall

work App & browser control No action needed.



Device security No action needed.





Dismiss

Manage how your family uses their devices.

### 2.3.3 Screen off and Sleep

- Step 1 Click 🤓 on the Windows Start menu.
- Step 2 Choose System.
- Step 3 Choose Power & sleep.
- Step 4 Check whether all the four configuration options are set to Never.

#### Figure 2-3 Screen off and sleep

Power & sleep
Screen
On battery power, turn off after
Never
When plugged in, turn off after
Never $\checkmark$
Sleep
On battery power, PC goes to sleep after
Never ~
When plugged in, PC goes to sleep after
Never

## 2.3.4 Scaling Size and Multiple Displays

- Click on the Windows Start menu. Step 1
- Step 2 Choose System.

Step 3 Check whether the scaling size is 100% and the option of multiple displays is set to **Duplicate these displays**. Note: When multiple monitors are connected, the configuration option for multiple displays will appear.

#### Figure 2-4 Scaling size and multiple displays

Scale and layout
Change the size of text, apps, and other items
100% (Recommended) V
Advanced scaling settings
Resolution
1920 × 1080 (Recommended) ~
Orientation
Landscape $\lor$
Multiple displays

Multiple displays	
Duplicate these displays	$\sim$

### 2.3.5 UAC

Step 1 Click on the Windows Start menu.

- Step 2 Type "User Accounts" in the search box and select Change User Account Control Settings.
- Step 3 Check whether UAC is set to Never notify.



Figure 2-5 UAC   User Account Control Settings	_	×	
Choose when to be notified about changes to your computer User Account Control helps prevent potentially harmful programs from making changes to Tell me more about User Account Control settings Always notify	your computer		
-       Never notify me when:         •       Apps try to install software or make changes to my computer         •       -         •       I make changes to Windows settings			
Not recommended.  Never notify			

#### 2.3.6 Antimalware Service Executable

- Step 1 Press Win+R buttons to open the Run window.
- Step 2 Type gpedit.msc command and press Enter to open the Local Group Policy Editor dialog box.
- Step 3 Expand Computer Configuration > Administrative Templates > Windows Components > Windows Defender Antivirus.
- Step 4 Click Real-time Protection.
- Step 5 Check whether the status of Turn on process scanning whenever real-time protection is enabled is Disabled.

Figure 2-6 Antimalware service executable

J Local Group Policy Editor					- /	8	×
File Action View Help							
💠 🔿 🙍 📷 🔒 📓 📰 🝸							
Push To Install	Real-time Protection						
Remote Desktop Services RSS Feeds	Turn on process scanning whenever	Setting	State	Comment			
Search	real-time protection is enabled	Turn off real-time protection	Not configured	No			
Security Center	Edit policy setting	Turn on behavior monitoring	Not configured	No			
Shutdown Options		E Scan all downloaded files and attachments	Not configured	No			
Smart Card	Requirements:	Monitor file and program activity on your computer	Not configured	No			
Software Protection Platform	At least Windows Server 2012, Windows 8 or Windows RT	Turn on raw volume write notifications	Not configured	No			
Sound Recorder	windows o or windows Ki	📓 Turn on process scanning whenever real-time protection is	Disabled	No			
Speech	Description:	E Define the maximum size of downloaded files and attachme	Not configured	No			
Store	This policy setting allows you to	E Configure local setting override for turn on behavior monito	Not configured	No			
Sync your settings	configure process scanning when real-time protection is turned on.	E Configure local setting override for scanning all downloade	Not configured	No			
> 🔛 Tablet PC	This helps to catch malware which	E Configure local setting override for monitoring file and prog	Not configured	No			
Task Scheduler	could start when real-time protection	E Configure local setting override to turn on real-time protecti	Not configured	No			
Calendar Windows Calendar	is turned off.	E Configure local setting override for monitoring for incomin	Not configured	No			
Windows Color System	If you enable or do not configure	E Configure monitoring for incoming and outgoing file and p	Not configured	No			
Windows Color System	this setting, a process scan will be						
Windows Defender Antivirus	initiated when real-time protection is						
Client Interface	turned on.						
Exclusions	If you disable this setting, a process						
MAPS	scan will not be initiated when real-						
MpEngine	time protection is turned on.						
Network Inspection System							
Cuarantine							
Real-time Protection							
Remediation							
Reporting							
Scan							
Signature Updates							
Threats							
> Mindows Defender Exploit Guard							
Windows Defender Application Guan							
> 🔛 Windows Defender Exploit Guard 🗸	5 (5						
	Extended Standard						
13 setting(s)							

#### 2.3.7 Superfetch

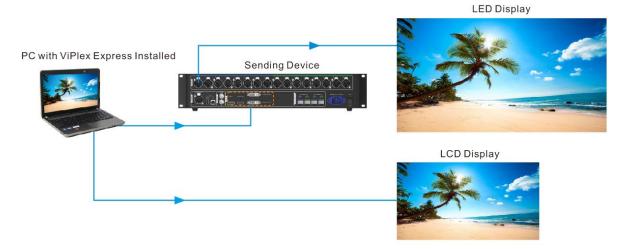
- Step 1 Press Win+R buttons to open the Run window
- Step 2 Type services.msc command and press Enter to open the Services dialog box.
- Step 3 Check whether the startup type of Superfetch is Manual.



n View Help						
1 🖸 🗟 🗟 🔢 🗔						
(Local) O. Services (Lo	cal)					
Superfetch		Name	Description	Status	Startup Type	Log On As
		🖏 Server	Supports file, print, and named-pipe sharin	Running	Automatic (Trigger Start)	Local System
Start the service		Shared PC Account Manager	Manages profiles and accounts on a Share		Disabled	Local System
		Shell Hardware Detection	Provides notifications for AutoPlay hardwa	Running	Automatic	Local System
Description:		Smart Card	Manages access to smart cards read by thi		Manual (Trigger Start)	Local Service
Maintains and im		Smart Card Device Enumeration Service	Creates software device nodes for all smart		Manual (Trigger Start)	Local System
performance over	time.	Smart Card Removal Policy	Allows the system to be configured to lock		Manual	Local System
		SNMP Trap	Receives trap messages generated by local		Manual	Local Service
		Software Protection	Enables the download, installation and enf		Automatic (Delayed Start, Trigger Start)	Network Service
		Spatial Data Service	This service is used for Spatial Perception s		Manual	Local Service
		🖏 Spot Verifier	Verifies potential file system corruptions.		Manual (Trigger Start)	Local System
		SSDP Discovery	Discovers networked devices and services t	Running	Manual	Local Service
		State Repository Service	Provides required infrastructure support fo	Running	Manual	Local System
		Still Image Acquisition Events	Launches applications associated with still		Manual	Local System
		Storage Service	Provides enabling services for storage setti	Running	Manual (Trigger Start)	Local System
		Storage Tiers Management	Optimizes the placement of data in storag		Manual	Local System
		Superfetch	Maintains and improves system performan		Manual	Local System
		SynTPEnh Caller Service		Running	Automatic	Local System
		System Event Notification Service	Monitors system events and notifies subsc	Running	Automatic	Local System
		🖏 System Events Broker	Coordinates execution of background wor	Running	Automatic (Trigger Start)	Local System
		🧠 System Guard Runtime Monitor Broker	Monitors and attests to the integrity of the	Running	Automatic (Delayed Start)	Local System
		System Interface Foundation Service	The Lenovo System Interface Foundation S	Running	Automatic	Local System
		🧠 Task Scheduler	Enables a user to configure and schedule a	Running	Automatic	Local System
		CP/IP NetBIOS Helper	Provides support for the NetBIOS over TCP	Running	Manual (Trigger Start)	Local Service
		🖏 Telephony	Provides Telephony API (TAPI) support for		Manual	Network Service
		🖏 Themes	Provides user experience theme managem	Running	Automatic	Local System
		ChinkPad HDD APS Logging Service			Manual	Local System
		🖏 Time Broker	Coordinates execution of background wor	Running	Manual (Trigger Start)	Local Service
		Keyboard and Handwriting Panel Service	Enables Touch Keyboard and Handwriting	Running	Manual (Trigger Start)	Local System
		Carl TsBrowserCrashHandleService	极速浏览器崩溃上报服务	Running	Automatic (Delayed Start)	Local System

## 2.4 Connecting to Displays

Figure 2-8 Connecting to displays



#### Connection 1

The PC with ViPlex Express installed is connected to a sending card and serves as a video source for the LED display. Figure 2-8 uses the MCTRL4K sending device as an example.

#### Connection 2

The PC with ViPlex Express installed is connected to an LCD and serves as a video source for the LCD.

## 2.5 Selecting Working Mode

#### **First Installation**

After ViPlex Express is first installed, a **Select Mode** dialog box appears when you open ViPlex Express. Select **Studio Mode** and click **Open**.



#### Figure 2-9 Selecting a working mode

	Select Mode	-	x
Please select your playback scenario			
Studio Mode Play content on a computer	Async Mode Play content on multimedia players		
	Open	Cancel	

### **Other Situations**

If you have installed ViPlex Express or selected a working mode before, the dialog box shown in Figure 2-9 will not appear. If ViPlex Express is in async mode by default after opened, switch to studio mode by following the steps below:

In the top-right corner, choose Studio Mode > Studio Mode and click OK. ViPlex Express will be in studio mode after restarted.

### 2.6 Creating Solutions

After updated, the solution data in async mode will be synchronized to studio mode.

- Step 1 After you select studio mode, the startup page of studio mode is displayed.
- Step 2 Click **L** and select Regular Screen or Ultra-Long Screen.
  - Select **Regular Screen** to access the solution editing page.

On the solution editing page, choose **Playback Window** > **Playback Window Settings** from the menu bar and set the coordinates, width, and height of the playback window and select an option of keeping the window on top. If **Same as desktop** is selected, the size of the playback window will be the same as the size of your desktop.

#### Figure 2-10 Playback window settings

Playback Window Settings						
Window Size	Same as	desktop				
	<b>x</b> 0	<b>\$</b>	Y	0	▲ ▼	
	W 400	D 🗘	н	512	▲ ▼	
Stay on Top	Always	O Never		While pla		
				ОК	Cancel	

• Select Ultra-Long Screen to open the Solution Information dialog box, as shown in Figure 2-1.

Step 3 Set the solution information and click **OK**.

#### Figure 2-1 Solution information

· .ga.e = . e	0.0.0.0							
		Solutio	on Inform	ation			>	
Solution Name	NewSolu	ition20240819	175740					
Resolution •	Width 1	920 px	▲ ▼	Height 10	)8	ox 🗘		
Di	rection	Horizontal	I	🔵 Ver	rtical			
Number o	of Parts							
Remarks								
					ОК		Cancel	

- Step 4 After the solution editing is done, click **Save**.
- Step 5 (Optional) At the upper right of the page, click with the preview the Beginner's Guide, and then click Get Started.
- Step 6 (Optional) At the upper right of the page, click with the preview the current page.

When the preview window is opened, you can also select other pages to preview. If you make changes to the current page, click **Refresh** at the top right to refresh the preview window.

Step 7 (Optional) At the upper right of the page, click View Schedule to view the schedule of each page in the solution.

## 2.7 Playing Solutions

- Step 1 On the solution editing page, click **I** at the upper right to play a solution.
- Step 2 The solution editing page is not displayed and a playback control bar appears.

Figure 2-2 Playback control bar

_		
Pause Stop Replay Screen Monitoring	► Expand	

- III: Pause playback. After the playback is paused, this button changes to the Play button.
- Estop playback and display the solution editing page.
- Restart the playback from the beginning.
- Expand the solution editing page.
- Collapse the solution editing page.

## **3** Solution Management

### 3.1 Creating Solutions

Step 1 After you select studio mode, the startup page of studio mode is displayed.

- You can create solutions for regular screens (hereinafter referred to as "regular-screen solutions") and solutions for ultra-long screens (hereinafter referred to as "ultra-long-screen solutions".
- After updated, the solution data in async mode will be synchronized to studio mode.



### 3.1.1 Creating a Regular-Screen Solution

#### **Related Information**

- A regular-screen solution contains one or more pages and each page contains one or more media items.
- The pages of a solution are played in order from top to bottom.

#### **Operating Procedure**

Before you create a solution, get the screen resolution in advance.

Step 1 Click 🖿 and select **Regular Screen** from the drop-down menu.

 When you access the studio mode for the first time to create a regular-screen solution, you are prompted to set the playback window, as shown in Figure 3-1.

The playback window and screen must be consistent in resolution.

Figure 3-1 Playback window settings

	Playback Window Settin	ıgs	×
Window Size	Same as desktop		
	x 0 🗘 w 600 🗘	Y 0 T	
Stay on Top	Ałways Never	🔵 While playing	
		ОК Сапс	el

• In other situations, the solution editing page is displayed when you access the studio mode to create a regularscreen solution, as shown in Figure 3-2.

You can resize and reposition the playback window and choose to show or hide the playback window. For details, see 4 Playback Management.



MewSolution20 (1920x1080) File	Playback Window Play logs	\$ _ □ ×
Save Save as	2 Mixed Media Video Image Text Clock Weather »	Image: State of the state o
Media List Page List	O, 20% Q, 🖽 🚰 🗙 🦛 ㄱ, 🖳 🏪 🐂 🚿	Widget Properties Page Properties
🕆 🦊 🗙 Page1 🗸		✓ Area (px)
🔻 🔲 Mixed Media2 🖌	d'Each anns an Saitheachadh a' suidheachadh an stàiteachadh an stàiteachadh an stàiteachadh an stàiteachadh an	х 0 🗘 у 0 🛟
Fujian Tulou.jpg		w 960 🔶 н 540 🜲
		> Border
		Add Audio Widget
		Add Media
		🐱 🕼 • 🖉 🐱
4	5	🖻 🄞 4
		6) All Image Video Document
		C:\Users\Nova000435\Desktor
		Figma.png Fujian Tulou.jpg

#### Figure 3-2 Solution editing page

The description of the solution editing page is shown in Table 3-1.

No.	Function	Description			
1	Saving a solution and saving a solution as another solution	Used for saving a solution a solution	nd saving a solution as another		
2	Adding media You can click an icon to add a	. Mixed media	: Video		
	corresponding type of media.	:Text: : Text	Image		
		Colorful text	Document		
		Clock	: Timer		
		: Weather	E Web page		
		:Table	RSS:		
		: Streaming media	E Cut-to-display window		
3	Viewing the Beginner's Guide, previewing pages, viewing schedules, and playing solutions	Used for viewing the Beginn viewing schedules, and play	er's Guide, previewing pages, ing solutions.		
4	<ul> <li>Editing media and pages.</li> <li>Media list: Adjust media order and delete media.</li> </ul>	+ : Add	: Open the <b>Page Template</b> dialog box		
	<ul> <li>Click the up/down buttons or drag media</li> </ul>	<b>П</b> : Сору	: Delete		
	to change the layer order. – Media includes media	Move up	Move down		

Table 3-1 Description of the solution editing page



No.	Function	Description	
	types such as images, videos, mixed media, and documents, which can be adjusted in playback order by clicking the up/down buttons or manually dragging the media. • Page list: Add, copy and delete pages, and adjust the page order. Pages play sequentially from top to bottom.		
5	Editing media on pages	E Zoom editing area in	Q: Zoom editing area out
		EShow the editing area in the original size	Automatically fit the editing area according to the software interface
		: Delete selected media	: Clear all media
		ा. Crop image	E: Bring forward
		E: Send backward	E Bring to front
		E: Send to back	E: Fill the entire screen
		Fit the screen	Fit the screen vertically
		E Align top	: Center vertically
		LE: Align bottom	Align left
		: Center horizontally	El: Align right
6	Editing media on pages	The properties of different to select it before you edit	ts are the media added to a page. types of media vary. Click a widget
		playback schedule of a pa	
		continuously.	this option is selected, the <b>Start</b>
		Date and End Date p	barameters are displayed. Expired d during solution playback.
		page and select the c	I to specify the timeslots to play a days to repeat the playback. If the pages overlap, the pages will be top to bottom.
		current page to other	ws you to apply the schedule of the pages. You can select multiple chedule to them at the same time.

Notes

• When you add an Excel file, the number of rows of the Excel file must be less than or equal to 600 and the total width of the columns must be less than or equal to the width of an A4 landscape paper. It is recommended that you set the page layout of the Excel file to A4 landscape.



- Users can set the text color and merge the cells in the Excel file to be imported. Other properties of the cells in the Excel file currently cannot be displayed. Please scan the Feedback QR code in the navigation bar to give feedback if needed.
- A valid URL is required when you add RSS, streaming media, or web page media.
- When you add weather media, the screen must be connected to the Internet so that it can obtain real-time weather information.
- For the limitations on cut-to-display windows, see 7.4 Limitations on Cut-to-Display Windows for Regular Screens.
- Step 2 After the solution editing is done, click Save.
- Step 3 (Optional) At the upper right of the page, click with the preview the Beginner's Guide, and then click Get Started.
- Step 4 (Optional) At the upper right of the page, click to preview the current page.

When the preview window is opened, you can also select other pages to preview. If you make changes to the current page, click **Refresh** at the top right to refresh the preview window.

Step 5 (Optional) At the upper right of the page, click View Schedule to view the schedule of each page in the solution.

#### 3.1.2 Creating an Ultra-Long-Screen Solution

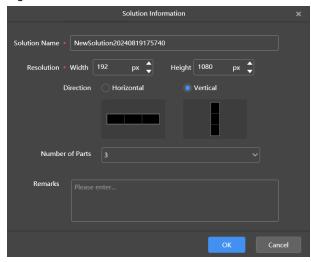
Step 1 Click 🖿 and select Ultra-Long Screen from the drop-down menu.

The Solution Information dialog box appears.

#### Figure 3-3 Solution information of an ultra-wide screen

		Solution Infor	mation			
Solution Name • ( Resolution • N		tion20240819175740 920 px 🖨	Height 108	рх		
Dir	rection	Horizontal	O Vertica	al		
Number o	f Parts	3				
Remarks						
				ОК	Can	cel

Figure 3-4 Solution information of an ultra-tall screen





- Step 2 Set a name, resolution, direction and the number of parts for the solution, then click OK.
  - The resolution of the solution must be consistent with the configured screen width and height.
  - Set the direction according to the actual situation, For an ultra-wide screen, select **Horizontal**, while for an ultratall screen, select **Vertical**.
  - The number of parts is calculated according to the actual screen width and height and the configured screen width and height.
- Step 3 Edit the solution on the solution editing page, as shown in Figure 3-2.
  - In the page media editing area, the page is displayed based on the actual screen resolution and boundaries appear according to the number of parts.
  - Only images, text and colorful text can be placed across the boundary.
- Step 4 After the solution editing is done, click **Save**.
- Step 5 (Optional) At the upper right of the page, click with the preview the Beginner's Guide, and then click Get Started.
- Step 6 (Optional) At the upper right of the page, click will to preview the current page.
  - When the preview window is opened, you can also select other pages to preview. If you make changes to the current page, click **Refresh** at the top right to refresh the preview window.
- Step 7 (Optional) At the upper right of the page, click View Schedule to view the schedule of each page in the solution.

#### Note

- Ultra-long-screen solutions do not support synchronous playback.
- To ensure smooth playback, playing videos and text simultaneously is not recommended.

#### 3.2 Playing Solutions

On the top right of the page, click **use** to play a solution. The solution editing page is not displayed and a playback control bar is displayed.

Figure 3-5 Playback control bar



- III: Pause playback. After the playback is paused, this button changes to the **Play** button.
- Image: Stop playback and display the solution editing page.
- Restart the playback from the beginning.
- Expand the solution editing page.
- Collapse the solution editing page.

## 3.3 Screen Monitoring

If you have an extended display connected and the solution is played on that display, click solution the playback control bar to monitor on the main display the image currently being played.

Figure 3-6 Screen monitoring

>> NewSolution202	<b>2 (</b> 4000x256)			-	×
<b>II</b> Pause	E Stop	€ Replay	Screen Monitoring	<b>∨</b> Expand	

PAGE 13

# 4 Playback Management

## 4.1 Setting Playback Window

On the menu bar of the solution editing page, choose **Playback Window** > **Playback Window Settings**. Set the coordinates, width, and height of the playback window and select an option of keeping the window on top. If **Same as desktop** is selected, the size of the playback window will be the same as the size of your desktop.

#### Figure 4-1 Playback window settings

	Playback Window Settings	×
Window Size	Same as desktop	
	x 51 🗘 Y 0 🗘	
	W 512 ▲ H 512 ▲	
Stay on Top	Always Never 💽 While playing	
Reset	ок	Cancel

### 4.2 Showing and Hiding Playback Window

- When the playback window is shown, choose **Playback Window** > **Hide Playback Window** on the menu bar to hide the playback window.
- When the playback window is hidden, choose **Playback Window** > **Show Playback Window** on the menu bar to show the playback window.

The default shortcut of showing and hiding playback window is **Ctrl+H**. You can change it in 🔯 > **Preferences**.



# 5 Play Logs

## 5.1 Searching for Play Logs

Step 1 On the solution editing page, select **Play logs** on the menu bar.

#### Figure 5-1 Play logs

0			0				
				Play logs		>	¢
2019	-12-30	<b>*</b>	2019-12-30		Query		
	Date				Size		

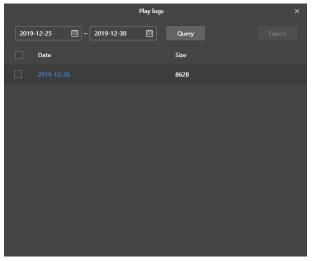
- Step 2 Set the date range and click **Query**. Querying play logs of the current day is not supported.
- Step 3 In the displayed query result list, click the date to view the general information and details of the play logs.
- Step 4 (Optional) Click **Back** to go back to the query result list.

## 5.2 Exporting Play Logs

- Step 1 On the solution editing page, select **Play logs** on the menu bar.
- Step 2 Set the date range and click **Query**.

Querying play logs of the current day is not supported.

#### Figure 5-2 Query result



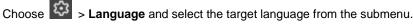
- Step 3 Select the logs you want to export and click **Export**.
- Step 4 In the displayed dialog box, set the export path and format.
- Step 5 Click OK.



# 6 System Settings

To enter system settings, click in the top-right corner of the startup page or solution editing page in studio mode.

## 6.1 Switching Language



## 6.2 Switching Working Mode



Choose Solution > Working Mode > Async Mode to switch to the async mode.

## 6.3 Setting Preferences

Choose 2 > Preferences to open the Preferences dialog box.

#### Figure 6-1 Setting preferences

	Preferences	×
When Windows	Start playback Automatically play the last played solution	
Show/Hide Play		

#### 6.3.1 Starting Playback

Select Start playback and the software will automatically play the last played solution when Windows starts.

### 6.3.2 Setting Shortcut of Showing and Hiding Playback Window

Select a letter from the drop-down list. The selected letter and Ctrl constitute the shortcut of showing and hiding the playback window.

## 6.4 Viewing User Manual

Choose 🖾 > User Manual to view the user manual of this software. You can also click User Manual on the left menu on the startup page in studio mode.

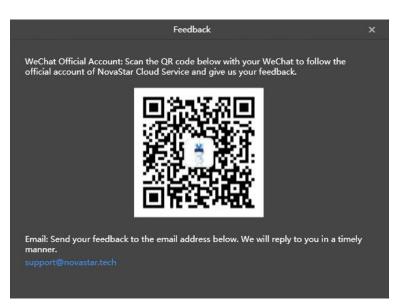
## 6.5 Checking for Updates

Choose Check for Updates. In the displayed dialog box, check whether a software update is available. If there is an update available, click **Download** to start the online update.

## 6.6 Feedback

Choose **Section** > **Feedback**. In the displayed dialog box, scan the code with your WeChat to follow the official account of NovaStar Cloud Service or send your feedback to the email address provided.





## 6.7 Viewing Software Information

Choose S > About. In the displayed dialog box, view the software related information.



# 7 FAQs

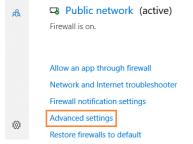
## 7.1 How to set the inbound firewall rules?

- Step 1 Click on the Windows Start menu.
- Step 2 Choose Update & Security.
- Step 3 Choose Windows Security.
- Step 4 Click Open Windows Defender Security Center.
- Step 5 Click Firewall & network protection.
- Step 6 Click Advanced Settings and then click Yes to open the Windows Defender Firewall with Advanced Security dialog box.

 $\times$ 

#### Figure 7-1 Advanced settings

Windows Defender Security Center (I) Firewall & network protection  $\equiv$ View network connections, specify Windows Defender Firewall settings, ŵ and troubleshoot network and Internet problems. 0 **Domain network** 8 Firewall is on. (cp) **Solution** Private network 旦 Firewall is on. ~



Step 7 Click Inbound Rules.

#### Figure 7-2 Inbound rules

+ 2 0 4 0 0											
Windows Defender Firewall with	Inbound Rules									Actions	
Inbound Rules	Name	Group	Profile	Enabled	Action	Override	Program	Local Address	Remote ^	Inbound Rules	
Outbound Rules Connection Security Rules	360wpsrv		Public	Ves	Allow	No	C\Users\	Any	Any	New Rule	
Monitoring	360wpsrv		Public	Yes	Allow	No	C:\Users\	Anv	Any		8
a montoring	😡 adb		All	Ves	Allow	No	C:\Progr	Any	Anv	Filter by Profile	
	C AndroidEmulator		All	Yes	Allow	No	C:\Progr	Any	Any	Filter by State	
	AppMarket		All	Yes	Allow	No	C:\Progr	Any	Any	V Filter by Group	
	O bugreport		All	Ves	Allow	No	C:\Progr	Any	Any	View	1
	O bugreport		All	Yes	Allow	No	Cr\Progr	Any	Any		
	ComputerZTray		Public	Yes	Allow	No	C:\Progr	Any	Any	(G) Refresh	
	ComputerZTray		Public	Yes	Allow	No	C:\Progr	Any	Any	Export List	
	GameDownload		All	Ves	Allow	No	C:\Progr	Any	Any	Help	
	ICIYI Video Helper		All	Yes	Allow	No	C:\Progr	Any	Any	La cree	
	Q LCTServer V4.1.45		Public	Ves	Allow	No	C:\progr	Any	Amy		
	CLCTServer V4.1.45		Public	Yes	Allow	No	C:\progr	Any	Any		
	Ø malauncher		Public	Yes	Allow	No	C:\Progr	Any	Any		
	Ø maLauncher		All	Yes	Allow	No	Cr\Progr	Any	Any		
	2 malauncher		Public	Yes	Allow	No	C:\Progr	Any	Any		
	C marsserverprovider		Public	Yes	Allow	No	C:\progr	Any	Any		
	O marsserverprovider		Public	Yes	Allow	No	C:\progr	Any	Any		
	Imarsserverprovider.exe		Public	Ves	Allow	No	C:\users\		Any		
	I marsserverprovider.exe		Public	Ves	Allow	No			Any		
	🕝 maUpdat		Public	Ves	Allow	No	C:\Progr	Any	Any		
	🔮 maUpdat		Public	Yes	Allow	No	C:\Progr	Any	Any		
	🕲 maUpdat		All	Ves	Allow	No	C:\Progr	Any	Any		
	McAfee Management Service Host (x64)		All	Yes	Allow	No	C:\Progr	Any	Any		
	McAfee Management Service Host (x86)		All	Ves	Allow	No	C:\Progr	Any	Any		
	Microsoft Lync		Public	Ves	Allow	No	C:\Progr	Any	Any		
	Microsoft Lync		Public	Yes	Allow	No	C:\Progr	Any	Any		
	Microsoft Lync UcMapi		Public	Ves	Allow	No	C:\Progr	Any	Any		
	Microsoft Lync UcMapi		Public	Yes	Allow	No	C:\Progr	Any	Any		
	R Microsoft Office Outlook		Dublic	Var	Allena	No	CADrear	Amir	A		

Step 8 On the right of the page, click New Rule to open the New Inbound Rule Wizard dialog box.



Step 9 Select Program and click Next.

Figure 7-3 Rule typ	e
🔗 New Inbound Rule Wizard	×
<b>RuleType</b> Select the type of firewall	rule to create.
Steps: Rule Type Program Action Profile Name	What type of rule would you like to create?             • Program         Rule that controls connections for a program.             • Pot         Rule that controls connections for a TCP or UDP port.             • Predefined:         Rule that controls connections for a Windows experience.             Mlljoyn Router         Rule that controls connections for a Windows experience.             Custom         Custom rule.
	< Back Fart > Cancel

Step 10 Click Browse, select Proto.exe from the local PC, and then click Next.

Prew Inbound Rule	Wizard	×
Program		
Specify the full prog	gram path and executable name of the program that this rule matches.	
Steps:		
Rule Type	Does this rule apply to all programs or a specific program?	
Program		
Action	All programs Rule applies to all connections on the computer that match other rule	
Profile	Aute applies to all connections on the computer that match other rule	
Name	This program path:	
	%ProgramFiles% (x86)\Nova Star\VPlayer\Bin\Proto.exe Browse	

- Step 11 Select Allow the connection and click Next.
- Step 12 Select Domain, Private, and Public and click Next.
- Step 13 Enter a name and click Finish.

## 7.2 What video formats are supported in studio mode?

The following video formats are supported in studio mode:

\*.3g2, \*.3gp, \*.3gp2, \*.3gpp, \*.amv, \*.asf, \*.avi, \*.bik, \*.bin, \*.divx, \*.drc, \*.dv, \*.f4v, \*.flv, \*.gvi, \*.gxf, \*.iso, \*.m1v, \*.m2v, \*.m2t, \*.m2ts, \*.m4v, \*.mkv, \*.mov, \*.mp2, \*.mp4, \*.mp4v, \*.mpe, \*.mpeg, \*.mpeg1, \*.mpeg2, \*.mpeg4,



\*.mpg, \*.mpv2, \*.mts, \*.mxf, \*.mxg, \*.nsv, \*.nuv, \*.ogg, \*.ogm, \*.ogv, \*.ps, \*.rec, \*.rm, \*.rmvb, \*.rpl, \*.thp, \*.tod, \*.ts, \*.ts, \*.txd, \*.vob, \*.vro, \*.webm, \*.wm, \*.wmv, \*.wtv, \*.xesc

AVI only supports the following video coding formats: MPEG-2, MPEG-4, MPEG-4 ASP, H.264, DivX 4/5/6, XviD, SV1, 3ivX D4, H.264/MPEG-4 AVCMKV, AMR, WebM, WMV, MP3. For instance, AVI videos in DX50 and MP4V formats cannot be played.

When a video format is not supported, you are advised to convert the video to MP4 format with a professional video format conversion software.

## 7.3 Limitations on Playback Parameters for Ultra-long Screens

Playback Window Size	Maximum width	3840 px
	Maximum height	2160 px
Number of Parts	Up to 8 parts	
Scrolling Text	Maximum font size	256рх
	Maximum number of characters	2000
Number of Videos (Resolution x Number)	Number of videos that can be played simultaneously: (Choose one from the following 4 options) • 4K x 1 • 1080P x 2	
	• 720P x 4	
	• (480×50) x 6	
Other Media	None	

Table 7-1 Media playback parameter description

## 7.4 Limitations on Cut-to-Display Windows for Regular Screens

Table 7-2 Limitations on the playback of cut-to-display windows

Item	TB4, TB6, TB8	TB1-4G (Optional 4G), TB2-4G (Optional 4G)
Recommended screen resolution (width × height)	4096 × 288 pixels	1920 × 1080 pixels
Number of parts	Cut horizontally: Actual screen width/Playback window width ≤8 Cut vertically: Actual screen height/Playback window height ≤8	