



Post-Installation Pack www.dynamo-led-displays.co.uk

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0845 257 2300





LED Display Details

LED Display	/
Resolution	:

Software: Download URL: **VIP Express**

RL: https://dynamo-led-displays.co.uk/download/Web%20files/ViPlex%20Express% 20V2.22.0.0901%20Setup(X64).zip



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DUNAMO 2024



Instructions

Once the program is installed on your laptop or PC, ensure that the media controller and LED display is powered on. The controller is controlled by connecting to the network which you will need to join via WIFI which the LED display is broadcasting.

WIFI NAME:

PASS:

Once you have connected to the network, open the software on the desktop called ViPlex Express. You will be welcomed with a screen similar to this:

¥	ViPlex Express V1.7.2.0201	Screens Solutions Advanced Solu	tions Screen Control	\$ – □	
Ē	Total = Online	+ Not Login +	Offline 30	Refresh 🔻	
	Screen Name 🗢	Screen IP 🗢	Screen Size		
•	Taurus-10015447 😲	192.168.41.1	960*640		
	VPlayer_EGC04341		400*400		
•	Taurus-50000047	192.168.43.1	640*64		
•	Taurus-10010484	192.168.41.1	160*320		
•	Taurus-10010489	192.168.41.1	3120*60		
•	Taurus-10006702	192.168.43.1	256*32		
•	Taurus-10000097	192.168.1.200	256*32		
•	Demo	192.168.41.1	384*192		
•	Taurus-30003901	192.168.41.1	1024*32		
•	Taurus-30003882	192.168.41.1	1024*32		
•	Taurus-30003904	192.168.41.1	1024*32		
•	Taurus-30003887	192.168.41.1	1024*32		
DHC	P Service				

Here you will see a list of all the media controllers that you have previously or are currently connected to. Controllers that you are online with will appear at the top of the list. If the controller does not connect automatically (green circle), enter the screen IP into the drop down arrow next to the "Refresh" button.

IP: 192.168.41.1

The next step is to create your content. Click the 'Solutions' tab at the top of the screen.



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DUNAMO 2024



Instructions

You should be able to set the resolution of the display according to the resolution given at the start of this document. Creating a new solution and selecting the correct terminal will also give you the resolution of the display you are connected to. Please click on it to begin editing the solution. Click on the file button and then select the image or video you wish to display, you can click the edges of the green box to expand the image/video to the whole of the display or press the button with the blue square and grey edges on each corner, this will make the content full screen.





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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 and web pages.

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 Terminal 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, and RF management.



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

Figure 2-2 Firewall







Open McAfee Firewall



No action needed.



Device security No action needed





health



Device performance & No action needed.

Family options Manage how your family uses their devices.

2.3.3 Screen off and Sleep

- Click on the Windows Start menu. Step 1
- 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 ~
Sleep
On battery power, PC goes to sleep after
Never ~
When plugged in, PC goes to sleep after

2.3.4 Scaling Size and Multiple Displays

Click on the Windows Start menu. Step 1

Never

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) V					
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					- /	5	×
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	E Turn on behavior monitoring	Not configured	No			
Shutdown Options		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 9 os Windows PT	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			
C Speech	Description:	E Define the maximum size of downloaded files and attachme	Not configured	No			
Store 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	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			
lask Scheduler	could start when real-time protection	E Configure local setting override to turn on real-time protecti	Not configured	No			
iext input	is turned off.	E Configure local setting override for monitoring for incomin	Not configured	No			
Windows Calendar	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 Costonier Experience impre	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							
> Windows Defender Exploit Guard							
Windows Defender Application Guan							
> 🛄 Windows Defender Exploit Guard 🗸	Estanded (Standard)						_
· · · · · · · · · · · · · · · · · · ·	(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.



Figure 2-	7 Superfetch							
C Sanicar						_	n.	×
City Antion Manu	Usla						0	~
File Action View								
Services (Local)	Services (Local)							
	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 (Tripper Start)	Local Service		
	Maintains and improves system	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	1	
		SynTPEnh Caller Service	1	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		
		Carlephony Carlephony	Provides Telephony API (TAPI) support for	-	Manual	Network Service		
		C Themes	Provides user experience theme managem	Running	Automatic	Local System		
		ThinkPad HDD APS Logging Service		-	Manual	Local System		
		C Time Broker	Coordinates execution of background wor	Running	Manual (Trigger Start)	Local Service		
		Touch Keyboard and Handwriting Panel Service	Enables Touch Keyboard and Handwriting	Running	Manual (Trigger Start)	Local System		
		Carter CrashHandleService	极速浏览器崩溃上报服务	Running	Automatic (Delayed Start)	Local System		
		Anno 1 and	and an end of the second second	- · · ·	and the second s	a series		×

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	-	×
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.

Figure 2-10 Startup page of studio mode

				\$	
ViPlex Express Studio Mode	Solution 				
Solutions					
User Manual	Name	Resolution	File Size	Last Modified 💲	
Cloud Platform					

- Step 2 Click 🛨 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 2-11 Playback window settings

	Playback Window Settings					
Window Size	Same as	desktop				
	x 0		Y	0		
	W 40	D 🔶	н	512		
Stay on Top	○ Always	O Never	0	While pla		
				ОК	Cancel	

Select Ultra-Long Screen to open the Solution Information dialog box, as shown in Figure 2-12.

Solution Name NewSolution20231012094926
Resolution
NewWidth 23040 px
Height 98 px
Remarks
Interference State Sta

Figure 2-12 Solution information

- Step 3 Set the solution information and click OK.
- Step 4 After the solution editing is done, click **Save**.
- Step 5 (Optional) At the upper right of the page, click with the schedule of each page in the solution.
- Step 6 (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 to refresh the preview window.

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 2-13 Playback control bar

-		-			
	NewSolution202	2 (4000x256)			×
	 Pause	 Stop) Replay	► Expand	

• III: Pause playback. After the playback is paused, this button changes to the Play button.



- 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 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.

Figure 3-1 Startup page of studio mode

				÷	
ViPlex Express Studio Mode	Solution				
Solutions					
User Manual	Name	Resolution	File Size	Last Modified	
Cloud Platform					

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 3-2.

The playback window and screen must be consistent in resolution.



Figure 3-2 Playback window settings

y)NS (600x600) File Playbac	ck Window Play logs				\$9 _ □ ×
Save Save as General Window	w Cut-to-Display File	Text Colorful Word Clock	Analog Clock Timer Weather	Table View Sc	🗄 🧿 🕨
+•				🔜 >> Widget Pro	perties Page Properties
1 Itimes				Page Name Play Count	Page1 1 times 🔺
		Plavback Window Setti	nas	Validity F	tange
				Schedule	
	Window Size	Same as desktop X 0 📫 W 600 🖨	Y 0	1 00 : 0 Every Week	x
	Stay on Top	Always Never	While playing		Apply Schedule
			ок	Cancel	

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

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

Figure 3-3 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 and saving a solution as another solution	
2	Adding media You can click an icon to add a	. General window	E Cut-to-display window
	corresponding type of media.	File	Text: Text
		: Colorful text	Eigital clock
		C : Analog clock	: Timer

Table 3-1 Description of the solution editing page



No.	Function	Description		
		: Weather	:Table	
		RSS: RSS	: Streaming media	
		: Web page		
3	Viewing schedules, previewing pages and publishing solutions	Used for viewing schedules, publishing solutions	previewing the current page and	
4	Editing solution pages You can add, copy and delete pages and adjust the order of	+ : Add	: Open the Page Template dialog box	
	pages. Pages are played in order from	П : Сору	X: Delete	
	top to bottom.	Move up	: Move down	
		(Only the thumbnail view pages are displayed.)	List view: (The thumbnails of pages and the names of the media items contained in the currently selected page are displayed.)	
5	Editing media on pages	€ : Zoom editing area in	Q: Zoom editing area out	
		E Show 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	
		: Send to back	E: Fill the entire screen	
		: Fit the screen horizontally	Fit the screen vertically	
		III: Align top	: Center vertically	
		Le: Align bottom	E Align left	
		E: Center horizontally	E: Align right	
6	Editing media on pages	 Used for editing widget and Widget Properties: Widge The properties of different 	page properties ts are the media added to a page. types of media vary. Click a widget	
		to select it before you edit its properties.Page Properties: Set the name, play count, validity range and		
		playback schedule of a page.Play Count: Set the number of times to play a page		
		 continuously. Validity Range: After Date and End Date pages will be skipped; 	this option is selected, the Start parameters are displayed. Expired	
		 Schedule: Allows you page and select the of timeslots of different 	I to specify the timeslots to play a days to repeat the playback. If the pages overlap, the pages will be	



No.	Function	Description
		 played in order from top to bottom. Apply Schedule: Allows you to apply the schedule of the current page to other pages. You can select multiple pages and apply a schedule 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 terminal must be connected to the Internet so that it can obtain real-time weather information.
- For the limitations on cut-to-display windows, see 7.3 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 is to view the schedule of each page in the solution.

Step 4 (Optional) At the upper right of the page, click 2 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 to refresh the preview window.

3.1.2 Creating an Ultra-Long-Screen Solution

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

The Solution Information dialog box appears.

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

Solution Name	NewSolution20200703152943		
Resolution	Width 3000 px 🖨 Height 384	ŧ px ᢏ	
Direction	Horizontal		
Number of Parts			
		ок	Cancel



Figure 3-5 Solution information of an ultra-tall screen

	Solution Information	×
Solution Name	NewSolution20200703152943	
Resolution	Width 640 px 🖕 Height 1800 px 🖨	
Direction	O Horizontal O Vertical	
	1	
Number of Parts		
	ОК Сапсе	

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 3-6.
 - 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.

Figure 3-6 Ultra-long-screen solution editing page

> 20220516103933 (600%600)	Hie Maydack Window May logs	₩ <u></u> ×
Save Save as General Winds	w File Text Colorful Word Clock Analog Clock Timer Weather Table RSS	>> 🛗 🧿 🕨 View Schedule Preview Play
+ ॿ × ↑ ↓		Widget Properties Page Properties
1 Itmes		Page Name X-321 Play Count 1 times 🖕
		Validity Range
		Schedule
		1 00:00 🗘 ~ 24:00 🖕 +
		Every Week:
		Apply Schedule

- Step 4 After the solution editing is done, click **Save**.
- Step 5 (Optional) At the upper right of the page, click is to view the schedule of each page in the solution.
- Step 6 (Optional) At the upper right of the page, click with the preview the current page.

The preview window is displayed based on the configured screen aspect ratio.

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 to play a solution. The solution editing page is not displayed and a playback control bar is displayed.

Figure 3-7 Playback control bar



- III: Pause playback. After the playback is paused, this button changes to the **Play** button.
- 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 on the playback control bar to monitor on the main display the image currently being played.

Figure 3-8 Screen monitoring

NewSolution2022	(4000x256)				×
 Pause	E Stop	🕤 Replay	Screen Monitoring	∨ Expand	



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 4 Y 0 4	
	W 512 H 512 H	
Stay on Top	Always Never 💿 While playing	
Reset	ок с	ancel

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 Querying Play Logs

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

Figure 5-1 Play logs × 2019-12-30 © Cuery Export Date Size No playback logs in the selected date range

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

				Play logs			×
2019	-12-25	a ~	2019-12-30		Query		
	Date				Size		
					862B		

- 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

Choose Choose > Language and select the target language from the submenu.

6.2 Switching Working Mode



Choose Source > 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	Ctrl + H	

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 Solution > 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 Viewing Software Information

Choose 2 > 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 is 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.

Figure 7-1 Advanced settings

Windows Defender Security Center



Step 7 Click Inbound Rules.

Figure 7-2 Inbound rules

nder Firewall with	Inbound Rules									Actions	
ules	Name	Group	Profile	Enabled	Action	Override	Program	Local Address	Remote ^	Inbound Rules	
Nules Security Rules	360wpsrv		Public	Ves	Allow	No	C:\Users\	Any	Any	New Rule.	
icunty nunes	360wpsrv		Public	Ves	Allow	No	C:\Users\	Any	Any	W. Church Burth	
	🕑 adb		All	Ves	Allow	No	C:\Progr	Any	Any	Y Pater by Profile	
	C AndroidEmulator		All	Yes	Allow	No	C:\Progr	Any	Any	Filter by State	
	O AppMarket		All	Yes	Allow	No	C:\Progr	Any	Any	Y Filter by Group	
	O bugreport		All	Yes	Allow	No	C:\Progr	Any	Any	View	
	O bugreport		Alt	Yes	Allow	No	Cr\Progr	Any	Any		
	ComputerZTray		Public	Yes	Allow	No.	C:\Progr	Any	Any	(G) Kerresh	
	ComputerZTray		Public	Yes	Allow	No	C:\Progr	Any	Any	By Export List	
	Grandbonnload WichTV Video Helper UCTSener V4.1.45 OLCTSener V4.1.45 OLTSener V4.1.45 OrnsLauncher OrnsLauncher OrnsLauncher		All	Ves	Allow	No	C:\Progr	Any	Any	Help	
			All	Yes	Allow	No	C:\Progr	Any	Any		
			Public	Yes	Allow	No	C:\progr	Any	Any		
			Public	Yes	Allow	No	C:\progr	Any	Any		
			Public	Yes	Allow	No	C:\Progr	Any	Any		
			All	Yes	Allow	No	Cr\Progr	Any	Any		
			Public	Yes	Allow	No	C:\Progr	Any	Any		
	O marsserverprovider		Public	Yes	Allow	No	C:\progr	Any	Any		
	O marsserverprovider		Public	Yes	Allow	No	C:\progr	Any	Any		
	O marsserverprovider.exe		Public	Ves	Allow	No	C:\users\	Any	Any		
	O marsserverprovider.exe		Public	Ves	Allow	No	C:\users\	Any	Any		
	🔇 maUpdat		Public	Yes	Allow	No	C:\Progr	Any	Any		
	🕑 maUpdat		Public	Yes	Allow	No	C:\Progr	Any	Any		
	🕑 maUpdat		All	Yes	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	Yes	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 Mirmondt Office Outlands		Dublic	Var	Allena	No	CABrear	A.m.,	A	1	

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 type Mew Inbound Rule Wizard Rule Type Select the type of firewall of	rule to create.
Steps: Program Action Profile Name	What type of rule would you like to create? • Program Rule that controls connections for a program. • Predefined: All Joyn Router Rule that controls connections for a Windows experience. • Custom Custom rule.
	< <u>Back</u> <u>Next</u> 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:		
a Rule Type	Does this rule apply to all programs or a specific program?	
Program		
Action	• All programs	
Profile	Aule applies to all connections on the computer that match other rule	
a 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 Cut-to-Display Windows for Regular Screens

Table 7-1 Limitations on the playback of cut-to-display windows

Playback Window Size	Maximum width	3840 px		
(Solution Resolution)	Maximum height	2160 px		
Number of Parts ● Cut horizontally: Actual screen width/Playback window width ≤8				
	 Cut vertically: Actual screen height/Playback window height ≤8 			

7.4 Limitations on Playback Parameters for Ultra-long Screens

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

Table 7-2 Media playback parameter description

DUNAMO 2024



LED Display Operating and Warnings

This is a short guide intended to help our customers take care of their LED displays. Many of the components that are used are fragile and need to be handled in the correct manner. Please make sure you have fully read and understood the below advice and instructions on how to keep your display in good working order:

When not in use:

Please make sure your LED displays are stored in an environment that is below 30°C and has less than 60% humidity. We recommend that the display should also not be out of use for more than 3 months.

When in use:

The LED display should operate at a temperature of between 0°C and 30°C and a humidity between 25% and 70%. Should this prove difficult for the environment in which the LED display is installed, consider installing a dehumidifier.



CONTACT US FOR MORE INFORMATION:



sales@dynamo-led-displays.co.uk





Pre-heating the Display

When first using your display set the brightness to 30% for 2-4 hours. After this set the brightness to 60% for at least 4 hours. The modules will now have been properly heated and the brightness can be increased further to 50% - 100% and can run for as long as is needed.

If the display has been out of use the modules will need to be pre-heated. If the display has not been used for more than 3 days, pre-heat the screen at a brightness of 30% - 50% for 4 to 8 hours before setting it to your standard brightness setting.

If the display has been out of use for more than 7 days, pre-heat the screen at a brightness of 30% - 50% brightness for at least 12 hours before setting it to your standard brightness setting.

If the display is in operation in an environment with constant wet weather or the humidity exceeds 80% then the screen should be pre-heated everyday at 30% - 50% brightness for at least 2 hours before switching over to your standard brightness setting.

Cleaning your display -

If the LED modules need to be cleaned, use an anti-static ESD brush and gently brush any dust or debris from the module surface. Absolutely no liquid should be used when cleaning the modules as this may cause damage to the LEDs.



CONTACT US FOR MORE INFORMATION:



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