

VPlayer

V3.8.1



Change History

Version	Release Date	Description
V3.8.1	2021-01-12	Fixed 2 problems:
		 Solution publishing fails after the download path of VPlayer is changed.
		 An incorrect window size of VPlayer is reported.
V3.8.0	2020-10-11	Added 5 functions:
		 Added an Automatic Upgrade option in the setup wizard of VPlayer. This option is selected by default.
		• Works with ViPlex Express V2.4.0 or later to enable the playback method of scrolling Excel table media from bottom.
		 Added a Video Decoder field in Settings.
		 In > Helper > Playback Environment, added Restart Now and Restart Later options after optimization.
		 Allows the play logs of the current day to be uploaded.
		Improved 4 functions:
		 Stay on Top effect of the playback window
		 Playback performance of cut-to-display videos
		 Effect of synchronous playback
7		 Efficiency of downloading media
$\sum_{i=1}^{n}$		Fixed 12 problems:
		 The screen flashes when media items overlap.
		 The playback gets stuck while media switching.
		Set focus during media switching.
		 Playing videos on Windows 7 with an AMD graphics card for a long time causes the playback to crash.
		 The playback of cut-to-display on Windows 7 crashes.
		 The playback gets stuck when VPlayer is loading high definition images.
		 The playback gets stuck when multiple scrolling text media are being played on one page.
		 The scrolling effect of rich text cannot match audio fo synchronization.
		 The screen goes black during the playback of image and office files.

Version	Release Date	Description			
		 When image or text media are placed on cutting lines, the playback effects are not displayed completely. 			
		Colorful text is displayed with outlines.			
		 When colorful text has transparent colors, the screen image gets blurred while displaying the colorful text. 			
V3.7.0	2020-07-10	Added 1 function:			
		Provides VPlayer helper allowing users to download logs, clear cache, and detect system information and playback environment.			
		Improved 1 function:			
		Reconstructed modules such as scheduling, digital clock and timer to improve the playback effect.			
		Fixed 2 problems:			
		 Scrolling text and colorful text flutter. 			
		 The user interface resolution of VPlayer is not adaptive to that of the 4K monitor. 			
V3.6.0	2020-05-18	Improved 1 function:			
		Improved the data in the communication layer.			
		Fixed 7 problems:			
	S	• The screen goes green when playing a cut-to-display video.			
	IP	 The streaming media page overlaps other media pages during playback. 			
		 Text and image media on pages flicker during playback. 			
\mathcal{A}		 In the solutions for ultra-long screens, cut-to-display text, image and colorful text cannot be played. 			
		 When the text on an analog clock has multiple lines, the text only in the first line is displayed during playback. 			
		 When a page contains no media, it cannot switch to another page. 			
		 The software crashes when playing a 4K video on a computer with 4G RAM. 			
V3.5.0	2020-04-09	Added 3 functions:			
		 File tamper-proofing. 			
		 Supports 32-bit operating system. 			
		 Supports audio playback. 			
		Fixed 2 problems:			
		 Playback of text in cut-to-display media gets stuck. 			
		 When synchronous playback is turned off and there are too many media items in a window media, not all 			

	Version	Release Date	Description
			the media items are played.
	V3.3.0	2019-10-30	 Added 1 function: Emergency insertion Improved 2 functions: Reconstructed the scheduling mechanism to improve preview and playback speed. Reconstructed the communication mechanism to reduce resource consumption.
	V3.2.5	2019-10-25	Fixed 1 problem: When a solution containing an image overlaid with weather media is being played, the display of the weather media is delayed.
	V3.2.2	2019-10-10	 Fixed 2 problems: The screen goes black during switching of solutions which contain images overlaid with text. Disk space usage increases continually during the running of VPlayer.
	V3.2.1	2019-09-27	Fixed 1 problem: Scrolling text is not centered.
	V3.2.0	2019-09-20	 Added 3 functions: Cut-to-display media Dynamic borders Background audio of text and images Improved 1 function: Method of binding to the cloud platform
7a	V3.1.0	2019-08-23	 Added 3 functions: Can detect Xiaoniao wallpapers. UI Language is mutually in sync with that of ViPlex Express. Can encrypt the passwords recorded in the local database. Optimized 1 function: Reconstruct the scheduling module.
	V2.5.3	2019-08-16	Fixed 1 problem: The screen goes black after a multi-window text solution is played for more than two days.
	V2.5.2	2019-05-31	Added 1 function: Software language supports Japanese, Korean, French and Spanish.
	V2.5.1	2019-05-22	Added 2 functions: • Turning on/off video volume

Version	Release Date	Description
version	Release Dale	Description
		 Turning on/off hardware acceleration This document has 3 updates:
		 Added the "Configuration Options Checking" and
		"FAQ" chapters.
		 Updated the cover and added a back cover.
		 Updated the description related to VNNOX.
		Fixed 3 problems:
		 The screen goes black while switching image to video.
		 When all the media items in an inserted playlist have expired, a black screen is displayed during the insertion period.
		 After streaming media is switched to other media, the sound of the streaming media does not disappear.

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VPlayer is an application from NovaStar. It works as a terminal player which can be used for devices installed with Windows.

On public networks, VPlayer can work with the cloud-based publishing system of VNNOX. After binding VPlayer and a synchronous player in the cloud-based publishing system, users can remotely manage content and control terminals via VPlayer.

On LANs, VPlayer can work with ViPlex Express LAN-Based Screen Management Software. ViPlex Express can search for and connect to VPlayer automatically. After logging in to VPlayer in ViPlex Express, users can publish solutions to VPlayer and upgrade the version of VPlayer.

After VPlayer downloads solutions to the specified location, the solutions will be played according to the playback plan set by users.



Preparation

- Visit www.en.vnnox.com/#downloadSyn to download the VPlayer installer.
- Make sure your antivirus software is stopped.
- Make sure your operating system is 64-bit Windows 7 SP1 or later.
- Make sure Microsoft .NET Framework 4.6.1 is installed.
- Make sure Microsoft Visual C++ 2017 Redistributable is installed.

Requirements

To ensure normal communication between ViPlex Express and VPlayer, install these two applications on:

- The same PC.
- Different PCs on the same LAN.
- PCs on different network segments which can be pinged successfully.

The cloud-based publishing system of VNNOX has no specific requirements for VPlayer.

Installation

Double click the installer and complete the installation according to the wizard.



When working with the cloud-based publishing system of VNNOX, VPlayer must be bound to a synchronous player and then can communicate with the cloud-based publishing system.

Only one synchronous player can be bound to VPlayer.

Checking Authentication Information

- Step 1 Visit www.en.vnnox.com and click Login at the top right of the page.
- Step 2 Select a server node and click **OK**.
- Step 3 Enter the account name and password, and click Log In.

If email verification or SMS verification is enabled, email verification or SMS verification will be required when you log in to VNNOX. If you have not bound an email or phone, you will be required to bind an email or phone when you log in to VNNOX.

- Step 4 On the homepage of the cloud platform, choose $\frac{2}{3}$ > Player Authentication.
- Step 5 In the VNNOX Standard/AD Authentication Information area, view Server Address, Authentication User Name, and Authentication Password.

Binding Players

Step 1 Open VPlayer, as shown in Figure 3-1.

Figure 3-1 The **Config** page

VVPlayer3.8.0	isplay	= 3	' - x	
Server Address	~	Net	N	
Authentication User Name				
Authentication Password				
Status	Unbound			·
	ок	Re	set	
Server connection failed.		VPlaye	r_ ZN 162XP3	

Note: The string at the bottom right of the page is the unique ID of VPlayer. The ID consists of "VPlayer_hard disk serial number" which is used to distinguish VPlayer in the terminal list of ViPlex Express. If the hard disk serial number is longer than 8 characters, the ID will use the last 8 characters.

Step 2 On the **Config** tab page, select a server from the drop-down options, or click **New** to add a server.

When you add a server, make sure that the server address must be the same as the address in VNNOX.

Step 3 Enter the authentication user name and password which must be the same as those in VNNOX.

VPlayer3.8.0	splay	≡ ? _ ×	
Server Address	China ~	New	
Authentication User Name	nova_player		
Authentication Password	•••••		
Player Name	VPlayer_ZN162XP3		
	The player name will be displayed in the player list of VNI AD.	NOX Standard/	
Status	Unbound		
	ок	Reset	
Failed to connect server.		VPlayer_ZN162XP3	

- Step 4 Click OK.
- Step 5 In the prompt box which says the player was bound successfully, click \mathbf{OK} .

After the player is bound successfully, the page shown in Figure 3-3 is displayed.

Figure 3-3 Binding successful

	VVPlayer3.8.0		≡ ?	-	×
	Server Address	China			
A.	Authentication User Name	nova_player			
	Authentication Password	•••••			
	Player Name	VPlayer_ZN162XP3			
	Status	Bind			
	❶lf you war	nt to remove the binding, please go to <u>https://cn.vnnox.com</u>			
	Server connection succeede	d.	VPlayer	_ZN16	2ХРЗ

Related Operations

If you want to reset parameters, click Reset.

If you want to remove binding, log in to VNNOX and perform the following operations according to the actual situation:

- VNNOX Standard: On the **Players** page, click $\stackrel{[1]}{=}$.
- VNNOX AD: Choose -> Players Management > Players, select the player and click Delete.

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4 Configuration Options Checking

To ensure stable playback of VPlayer, please check the Windows configuration options shown in Table 4-1. 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.
ST	When VPlayer works with the cloud-based publishing system of VNNOX. Users do not need to check the firewall.
Turn off screen	Never
Sleep	Never
Scaling size	100%
Multiple displays	Duplicate these displays
UAC	Never notify
Antimalware Service Executable	Disabled
Superfetch	Manual

Table 4-1 Configuration options

4.1 Windows Automatic Update

Step 1 Click in 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 4-2 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)

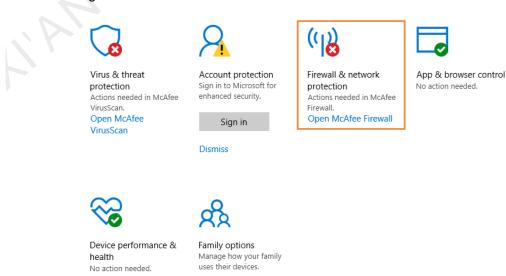
We'll show a reminder when we're going to restart. If you want to see more notifications about restarting, turn this on.

4.2 Firewall

When VPlayer and ViPlex Express work together, users are advised to turn off the Windows firewall or allow program connection to ensure normal communication. When VPlayer works with the cloud-based publishing system of VNNOX, users do not need to check the Windows firewall.

- Step 1 Click in the Windows Start menu.
- Step 2 Choose Update & Security.
- Step 3 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 6.2 How to set the inbound firewall rules?

Figure 4-3 Firewall



www.novastar.tech

Device security

No action needed.

4.3 Screen off and Sleep

- Step 1 Click in 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 4-4 Screen off and sleep

Power & sleep	
Screen	
On battery power, turn off after	
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	
Never ~	

4.4 Scaling Size and Multiple Displays

- Step 1 Click in the Windows Start menu.
- 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 4-5 Scaling size and multiple displays

 \sim

Scale and layout

Change the size of text, apps, and other items

100% (Recommended) Advanced scaling settings

Resolution

1920 × 1080 (Recommended) \sim

Orientation

Landscape

Multiple displays

Multiple displays

Duplicate these displays	
Duplicate triese displays	

4.5 UAC

- Step 1 Click in 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 4-6 UAC		
Vser Account Control Settings	– – ×	
User Account Control H <u>Tell me more about Use</u>	be notified about changes to your computer relps prevent potentially harmful programs from making changes to your computer. er Account Control settings	
Always notify		
	 Never notify me when: Apps try to install software or make changes to my computer I make changes to Windows settings 	
 Never notify	1 Not recommended.	
	OK Cancel	

4.6 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**.

Local Group Policy Editor ٥ File Action View Help Push To Install Remote Desktop Services RSS Feeds 📋 Real-time Prot State Not configured Not configured Not configured Not configured Service Vession Vessio Turn on process scanning when real-time protection is enabled Setting Turn on behavior monitoring Scan all downloaded files and attachments Monitor file and program activity on your Turn on raw volume write notifications No No No No Edit policy setting At least Windows Server 2012, Windows 8 or Windows RT Not configured Not configured Not configured Not configured The the maximum trig override for turn on behavior monito... onfigure local setting override for scanning all downloade... onfigure local setting override for monitoring file and prog... onfigure local setting override to turn on real-time protecti... onfigure local setting override for monitoring for incomin... No No No No No rocess scanning whe otection is turned on Not configured Not configured onitoring for incoming and outgoing file and p... Not configured If you enable or do not configure is setting, a process scan will be Windows Customer Exp Windows Customer Experience Windows Defender Antivirus Client Interface Exclusions MAPS MpEngine Network Inspection System If you disable this setting, a pro Quarantine Real-time Protection Real-time Protection Remediation Reporting Scan Signature Updates Threats Windows Defender Exploit Guard lows Defender Application Guar lows Defender Exploit Guard ded Standar

Figure 4-7 Antimalware service executable

4.7 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 4-8 Superfetch

File Action Marge Status Service stoce Service stoce Superfet All Name Name Superfet All Name Superfet All Name Superfet All Name Superfet All Name Name Superfet All Name Superfet All Name Name Superfet All Name Superfet All Name Superfet All Name Name Superfet All Super	(a) Services	· Uda					-	٥
Services (Local) Services (Local) System Services (Local) System (etch) Syste								
SuperfetchNameDescriptionStatuSurupTypeLog On AsState the serviceSared P Account ManagerManager prifies and accounts on a ShaeNoningAutomatic (Trigger Start)Local SystemDescription: Maintain and improves systemSared P Account ManagerManage access to mart caccounts on a ShaeNoningAutomaticLocal SystemDescription: Maintain and improves systemSared C Benoval PolicyManage access to mart cacker ads by thi. Cack Sared C Cacket Start Maintain Sare Cacket Start Mart Sare Cacket Start Mark Sare Sare Sare Sare Sare Sare Sare Sare								
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 ・ のは、のから、の、の、の、の、の、の、の、の、の、の、の、の、の、の、の、の、の、の			🖏 System Events Broker			Automatic (Trigger Start)		
Configure and scheduler Enables a user to configure and schedule a Running Automatic Local System (気」でCP/IP NetBIOS Helper Provides zuper for the NetBIOS over TO Running Automatic Local System (気」Telephony Provides Telephony API (TAPI) support for In Manual (Tinger Start) Local System (ス) Telephony API (TAPI) support for June (TaPI) System (Local System (S) System (Local System (S) System								
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@ Touch Keyboard and Handwriting Panel Service Enables Touch Keyboard and Handwriting Running Manual (Trigger Start) Local System @ ToinvuseCcashHandleService 初述詞記書前進上指服务 Running Automatic (Delkyed Start) Local System			ChinkPad HDD APS Logging Service	Coordinates mesution of background was	Pupping			
Q. ToBrowse/CashHandleService 极速浏览摄前进上报服务 Running Automatic (Delayed Start) Local System								
Estended (Standard /			TsBrowserCrashHandleService	极速浏览器崩溃上报服务				
		Extended Standard		and the second second second second			1 10 1	



5.1 Setting Display Window

Step 1	Open VPlayer.		
Step 2	Choose Display .		
	Figure 5-1 The Display page	C^{O}	
	VPlayer3.8.0 ✿ Config Display	≡ ? – ×	
	Same as Desktop 🗌 Enable		
	x 0	Y 0	
	W 400 🗘	H 400	
	Stay on Top 🔷 Always 🔷 Never	While playing	
		OK Reset	
	Server connection succeeded.	VPlayer_ZN162XP3	

Step 3 Set the position and size of the display window and select an option of keeping the window on top.

If **Same as Desktop** is enabled, the size of the display window will be the same as the size of the desktop.

The default shortcut to show or hide display window is Ctrl+H.

5.2 Locking Screen

You can use the locking function to make the screen stay in the current status.

Step 1 Open VPlayer.

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Step 2 In the top right corner of the page, click 🔳 and select Lock.

- If you have not set an unlocking password, the password setting page will appear.
- If you have set an unlocking password, go to Step 3.
- Step 3 Click OK.

To unlock the screen, press **Esc**, enter the password and press **Enter**. If you forgot the unlocking password, please send the random code in the dialog box to the technical engineer staff to deal with.

5.3 Setting System Information

- Step 1 Open VPlayer.
- Step 2 In the top right corner of the page, click 🔳 and select **Settings**.

Table 5-1	System	information
-----------	--------	-------------

Item	Description
General	Change the language of VPlayer, sync time, configure VPlayer to start up automatically, choose to exit or minimize the program when clicking the close button, set video volume and Video Decoder.
	 Select Enable network time, and the PC will sync time based on the network time.
	 Select Turn off video volume, and the next video and subsequent videos will be muted.
Download	Set the directory to save files received by VPlayer.
Hot Keys	Set keyboard shortcuts to show/hide the display window.
Lock	Set a password to unlock the screen. The screen can be locked when the password is set successfully.

Step 3 Click **OK** after the configuration is done.

5.4 Using VPlayer Helper

Step 1 Open VPlayer.

Step 2 At the top right, click E and select Helper.

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Figure 5-2 VPlayer Helper

		VPlayer Helper ×
Config	Clear C	ache System Information Playback Environment
1		
Logs		
	Player Log	C:\Users\Hi W in10\AppData\Roaming\NovaStar\ V PIa
	Cache Log	C:\Users\HiWin10\AppData\Roaming\NovaStar\VPIa
	Dump File	C:\Users\HiWin10\AppData\Roaming\NovaStar\VPIa
		Download
App L	ocation —	
	Database	C:\Users\HiWin10\AppData\Roaming\NovaStar\VPIa
	Playlist	C:\Users\HiWin10\Documents\NovaStar\VPlayer\sdc
	Media	C:\Users\HiWin10\Documents\NovaStar\VPlayer\sdc
		Download

Step 3 Use the functions in Table 5-2 as required.

Table 5	5-2 VPla	yer Helper
---------	----------	------------

Function	Description
Logs	Download and save running logs and play logs to a specified location.
Clear Cache	Delete the temporary files created during system running (which can free up disk space).
System Information	Detect PC information and export the detailed information to a specified location.
Playback Environment	Optimize the playback environment with one click to ensure stable playback for VPlayer.

5.5 Checking Software Information

- Step 1 Open VPlayer.
- Step 2 In the top right corner of the page, click 🔳 and select About.

View information such as the version and copyright of VPlayer.

6 FAQ

6.1 How to deal with the problem that a video cannot be played normally?

Question

How to deal with the problem that VPlayer cannot play a video normally?

Answer

- Step 1 Use a third-party driver tool to check whether the video card driver, sound card driver and Inter bus driver are normal.
 - Yes: Go to Step 2.
 - No: Update the driver.
- Step 2 Check whether other players can play the video normally.
 - Yes: Contact NovaStar.
 - No: There is a problem with the video file.

6.2 How to set the inbound firewall rules?

- Step 1 Click 🤷 in 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 6-1 Advanced settings

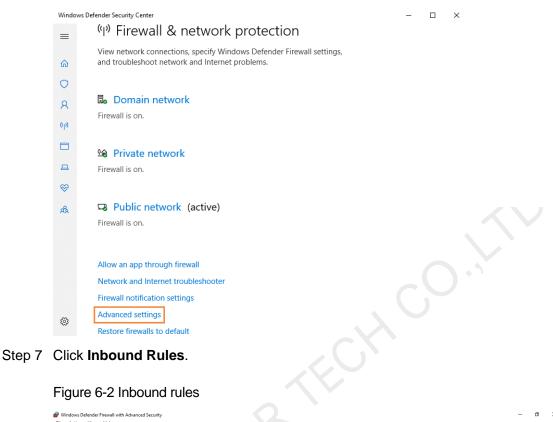


Figure 6-2 Inbound rules

Windows Defender levell with Bothound Rules Indowned Rules Undowned Rules Inter Group Prefile Enabled Action Override Program Leal Address 3 300psrv 9 300psrv Public Yes Allow No CUlsersh. Any 3 address Address All Yes Allow No CUlsersh. Any 4 address All Yes Allow No CUlsersh. Any 4 address All Yes Allow No CUlsersh. Any 6 address Public Yes Allow No CUlsersh. Any 6 address Public Yes Allow No CUlsersh. Any 6 Com	🗢 🔿 🔁 📷 🗟 🖬											
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- 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 6-3 Rule type

🔗 New Inbound Rule Wizard	×
RuleType Select the type of firewall	rule to create.
Steps: Male Type Trogram	What type of rule would you like to oreate?
 Action Profile Name 	 Program Rule that controls connections for a program. Port Rule that controls connections for a TCF or VDP port. Predefined: All Joyn Router Rule that controls connections for a Windows experience. Custom Custom Custom rule.
	< Back Mext > Cancel

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

Figure 6-4 Program selection

Program	×
Program	
Specify the full program 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 	
Name This program path: Marogram Piles% (x86)\Nova Star\VPlayer\Bin\Proto.exe Example: c:\path\program.exe WProgramFiles%\browser\browser.exe	
< Back Next > Cancel	

- 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**.

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Official website www.novastar.tech

Technical support support@novastar.tech