

# VPlayer



User Manual

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# 1 Introduction

VPlayer is an application from NovaStar. It works as the terminal player for Windows devices.

On public networks, VPlayer can work with VNNOX Standard/AD. Binding VPlayer to VNNOX Standard/AD, enables users to remotely manage content and control terminals.

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.

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## 2 Installation

### Preparation

- Visit [www.en.vnnox.com/#downloadSyn](http://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.

### 3 Player Binding

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


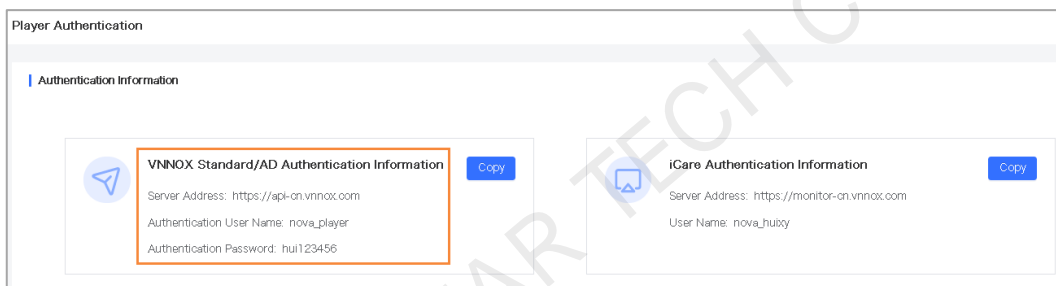
- Step 1 Visit [www.en.vnnox.com](http://www.en.vnnox.com) and click **Login** at the top right of the page.
- Step 2 Select a server node and click **OK**.
- Step 3 Enter the account name and password, and click **Log In**.
- Step 4 On the homepage of the cloud platform, choose  > **Player Authentication**.
- Step 5 In the **VNNOX Standard/AD Authentication Information** area, view **Server Address**, **Authentication User Name**, and **Authentication Password**.

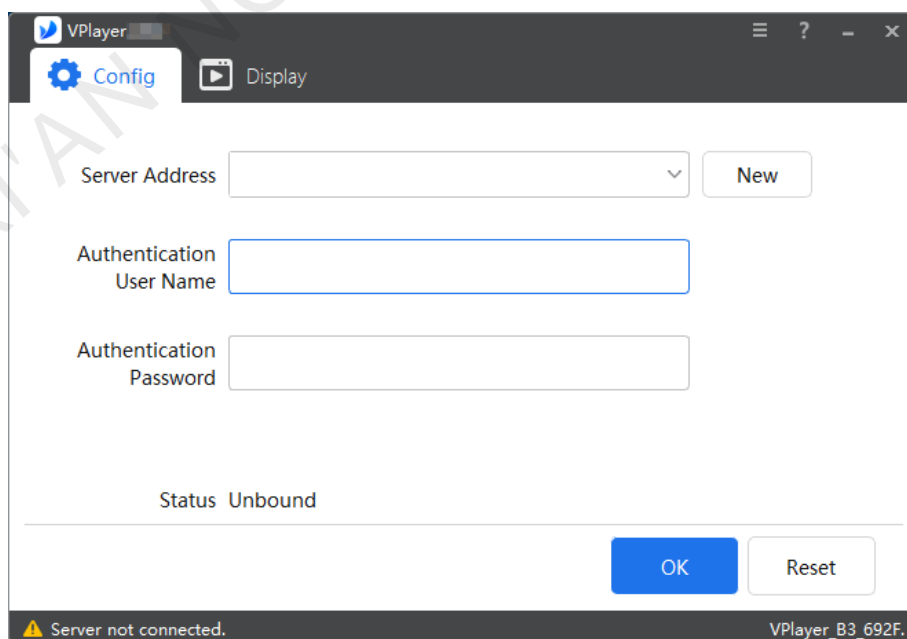
Figure 3-1 VNNOX Standard/AD Authentication Information



#### Binding Players

- Step 1 Open VPlayer, as shown in [Figure 3-2](#).

Figure 3-2 The **Config** page



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.

Figure 3-3 Authentication information

The screenshot shows the VPlayer Config window with the following fields and values:

- Server Address: China (dropdown menu)
- Authentication User Name: wwh
- Authentication Password: [masked with dots]
- Player Name: VPlayer\_B3\_692F.
- Status: Unbound

Buttons: OK (blue), Reset (white). A warning message at the bottom states "Server not connected." The unique ID "VPlayer\_B3\_692F." is displayed in the bottom right corner.

Step 4 Click **OK**.

Step 5 In the prompt box which says the player was bound successfully, click **OK**.

After the player is bound successfully, the page shown in Figure 3-4 is displayed.

Figure 3-4 Binding successful

The screenshot shows the VPlayer Config window with the following fields and values:



- Server Address: China
- Authentication User Name: wwh
- Authentication Password: [masked with dots]
- Player Name: VPlayer\_B3\_692F.
- Status: Bind

A message at the bottom states: "If you want to remove the binding, please go to <https://cn.vnnox.com>". A success message at the bottom left states "Server connection succeeded." The unique ID "VPlayer\_B3\_692F." is displayed in the bottom right corner.

## 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  .
- 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.

Table 4-1 Configuration options

| Configuration Options          | Target Status  |
|--------------------------------|--|
| Windows automatic update       | Off  |
| Firewall                       | <ul style="list-style-type: none"> <li>• Off</li> <li>• Allow program connection</li> </ul> Conforms to any of the above statuses.<br>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   |

### 4.1 Windows Automatic Update


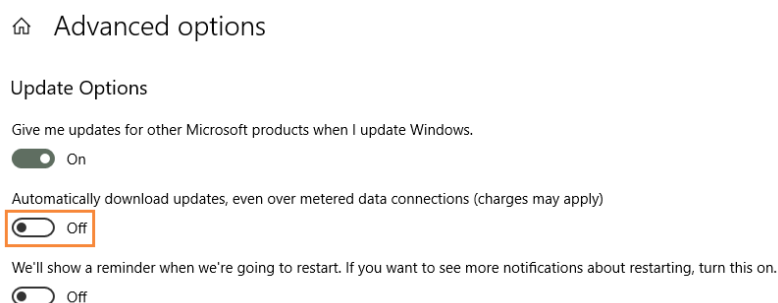
- Step 1 Click  in the Windows Start menu.
- Step 2 Choose **Update & Security**.
- Step 3 On the **Windows Update** page, click **Advanced options**.
- Step 4 Check whether Windows automatic update is turned off.

Figure 4-2 Windows automatic update





## 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.


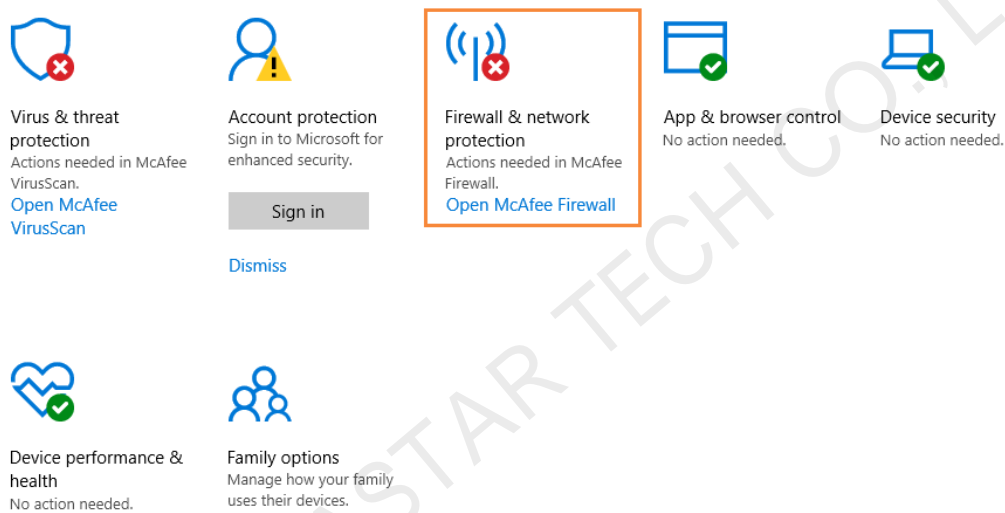
- Step 1 Click  in the Windows Start menu.
- Step 2 Choose **Update & Security**.
- Step 3 **Windows Security**.
- Step 4 Click **Open Windows Defender Security Center**.
- Step 5 Check whether the firewall is turned off. If the firewall needs to be turned on, check whether the connection is allowed. For the method to allow program connection, see 6.2 [How to set the inbound firewall rules?](#)

Figure 4-3 Firewall



## 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

### Sleep

On battery power, PC goes to sleep after

When plugged in, PC goes to sleep after

## 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

### Scale and layout

Change the size of text, apps, and other items

Advanced scaling settings


Resolution

Orientation

### Multiple displays

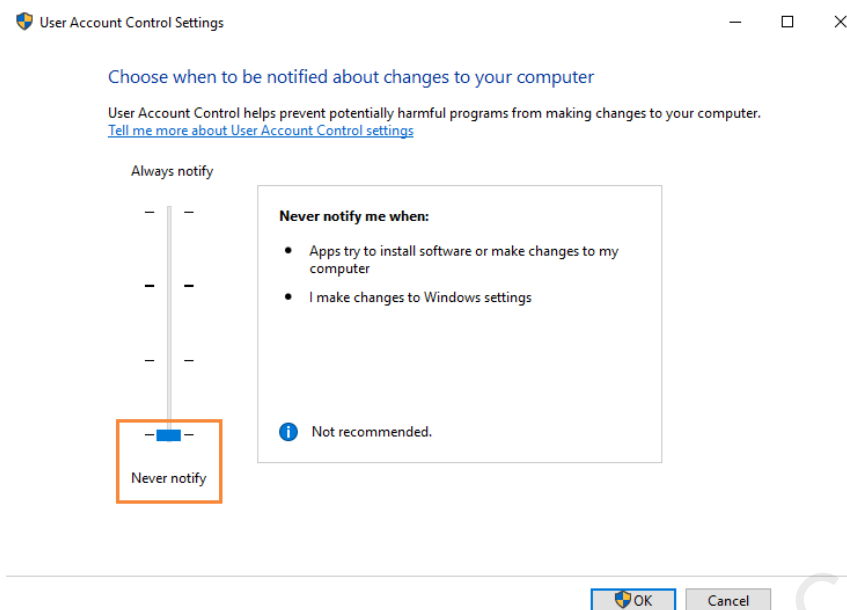
Multiple displays

## 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**.

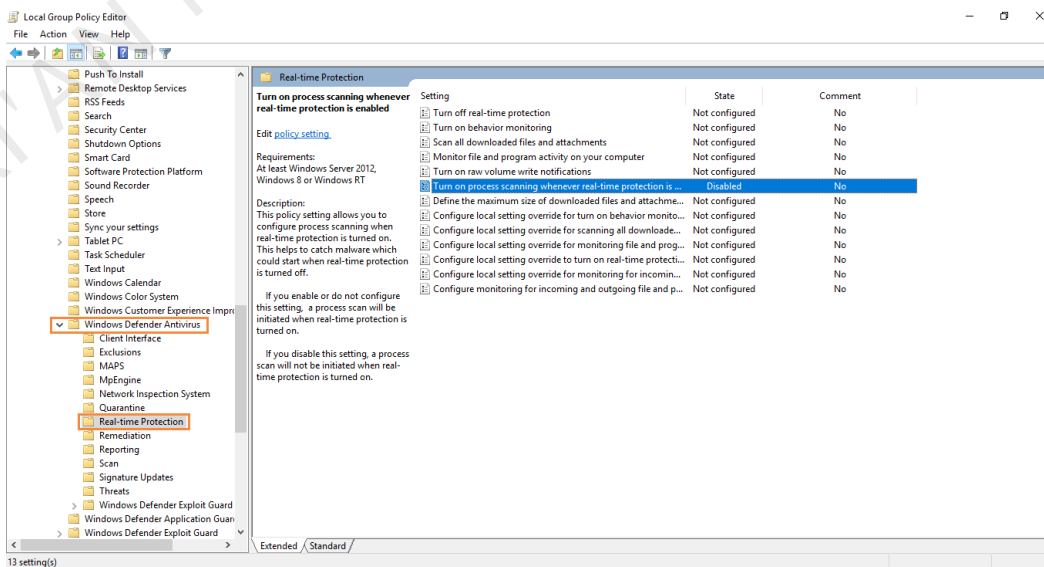
Figure 4-6 UAC



## 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**.

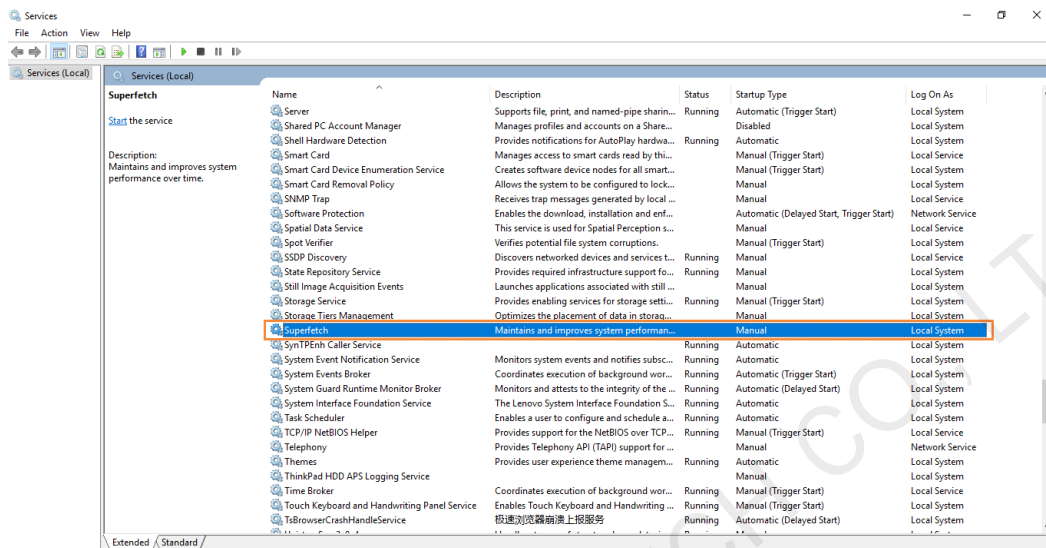
Figure 4-7 Antimalware service executable



## 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

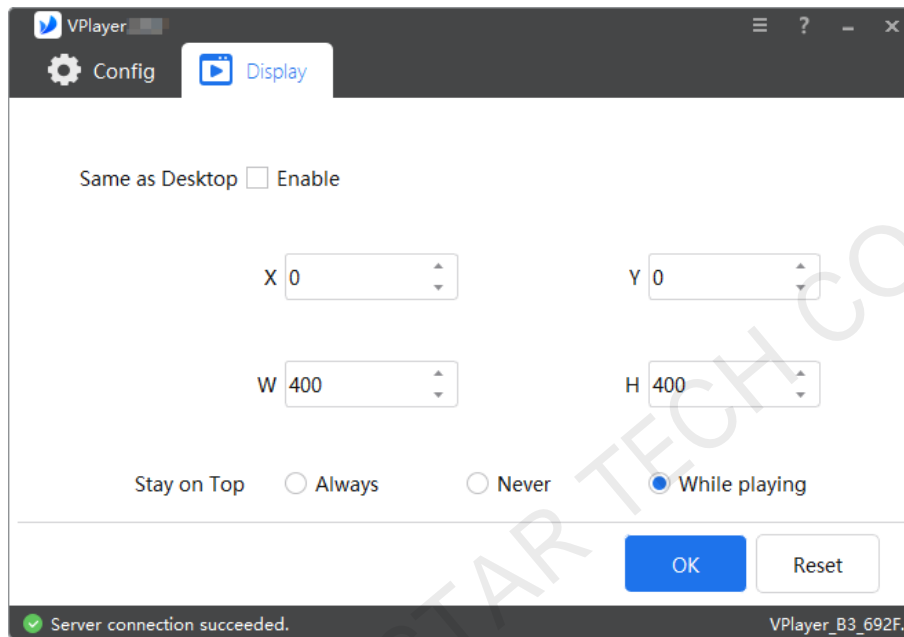


## 5 General Functions

### 5.1 Setting Display Window

- Step 1 Open VPlayer.  
Step 2 Choose **Display**.

Figure 5-1 The **Display** page




- 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.  
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  | <p>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.</p> <ul style="list-style-type: none"> <li>• Select <b>Enable network time</b>, and the PC will sync time based on the network time.</li> <li>• Select <b>Turn off video volume</b>, and the next video and subsequent videos will be muted.</li> </ul> |
| 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.  |

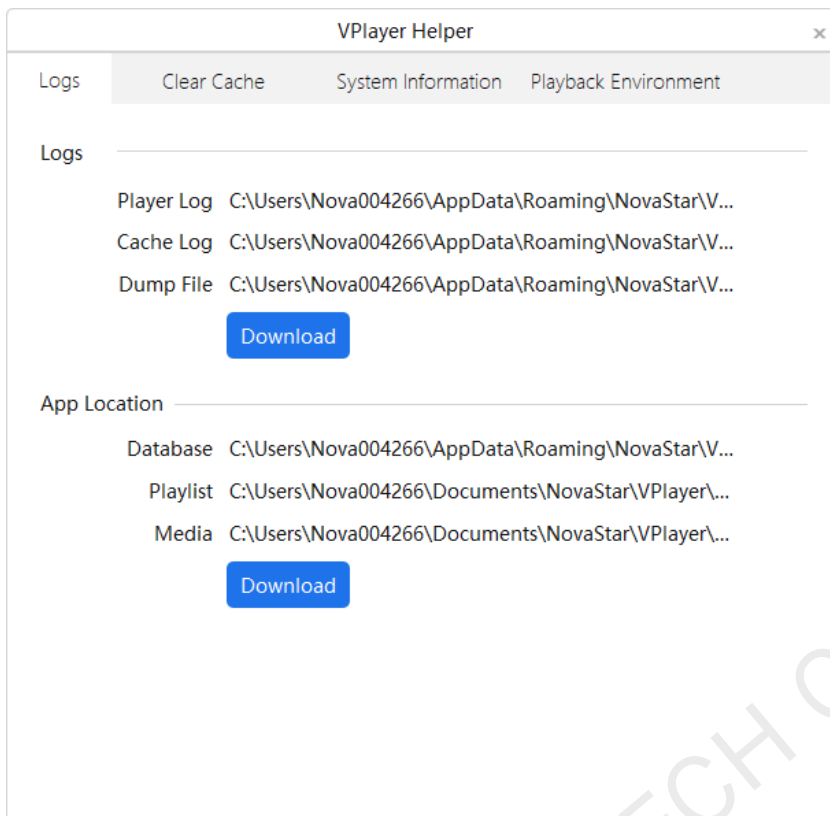
Step 3 Click **OK** after the configuration is done.

## 5.4 Using VPlayer Helper

Step 1 Open VPlayer.

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

Figure 5-2 VPlayer Helper




Step 3 Use the functions in [Table 5-2](#) as required.

Table 5-2 VPlayer 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**.

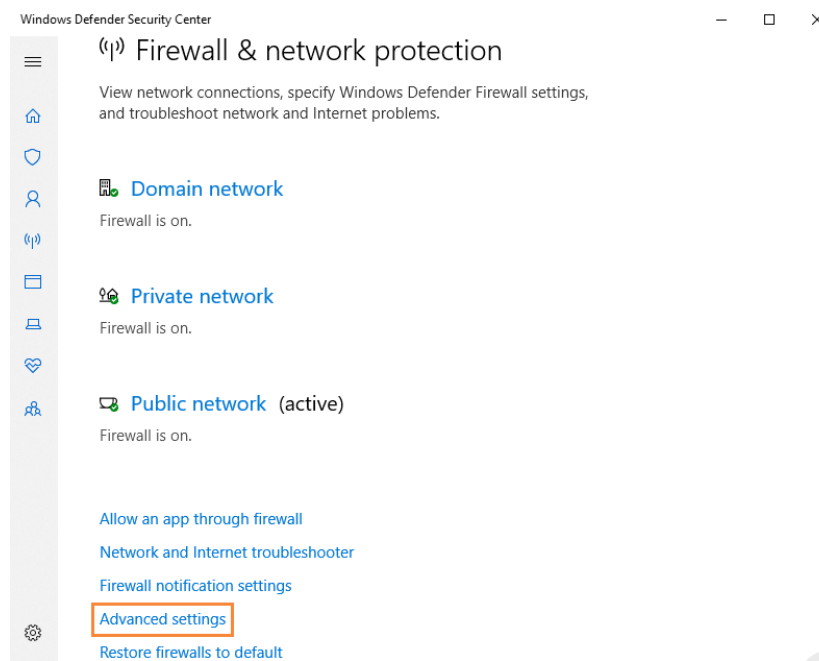
Step 4 Click **Open Windows Defender Security Center**.

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.

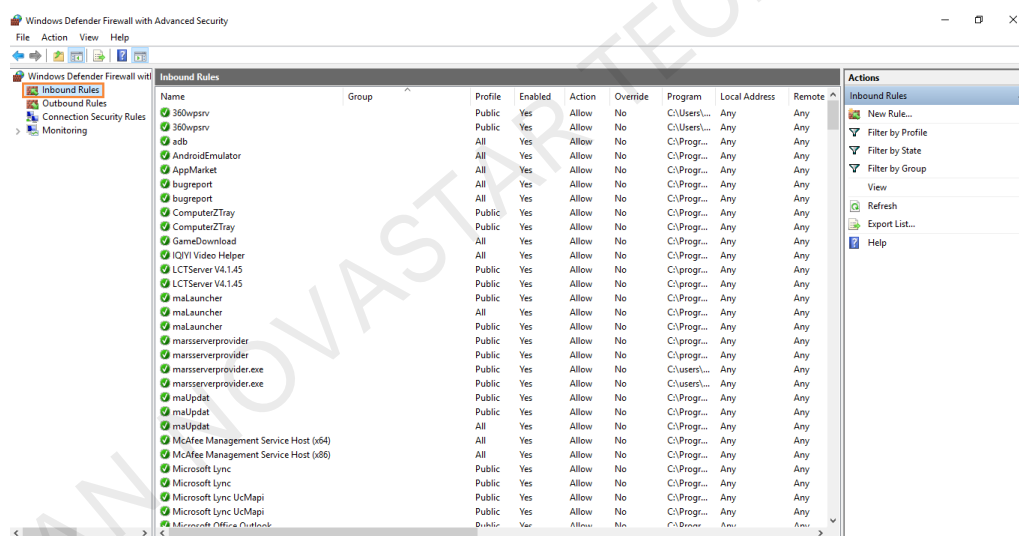


Figure 6-1 Advanced settings



Step 7 Click Inbound Rules.

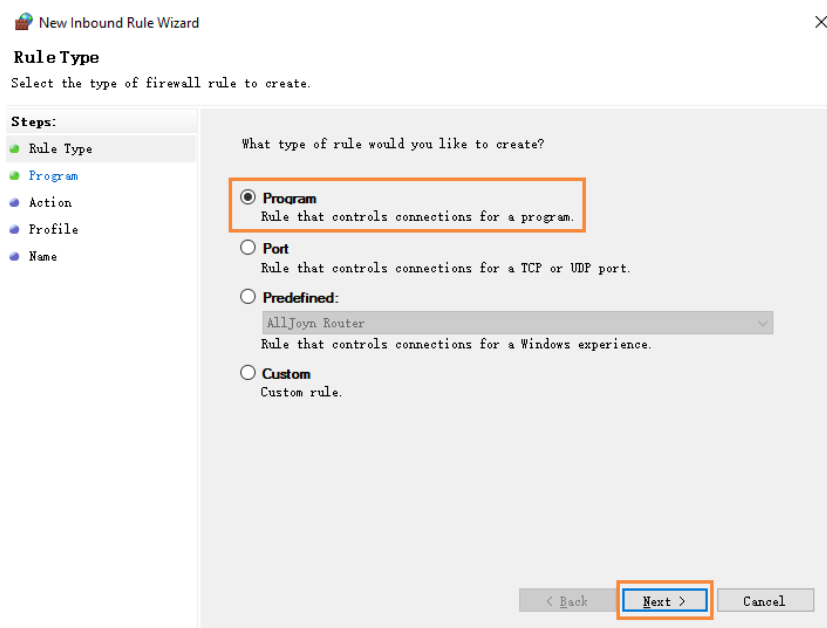
Figure 6-2 Inbound rules



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

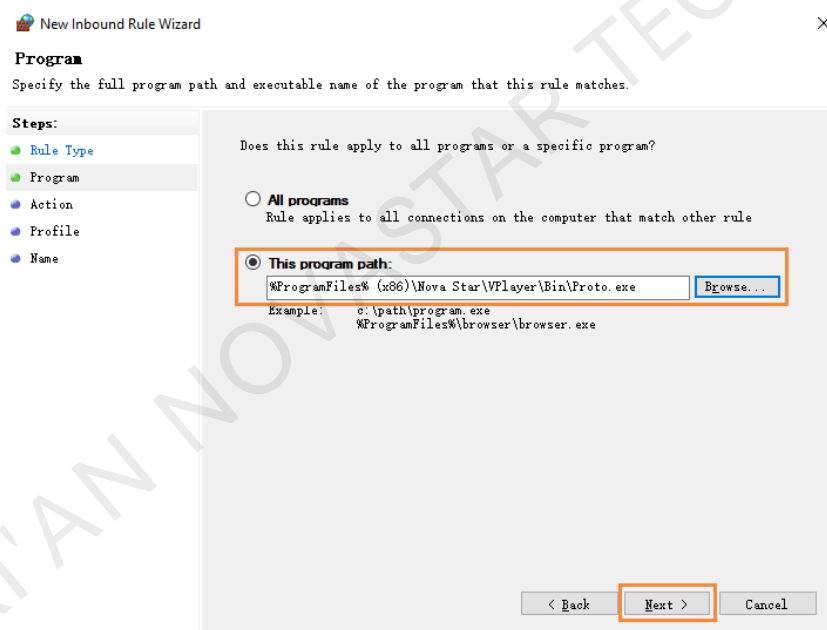
Step 9 Select **Program** and click **Next**.

Figure 6-3 Rule type



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

Figure 6-4 Program selection



- 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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