# VPlayer

V3.1.0   NS170100458

**User Manual**

# Change History

| Version | Release Date | Description |
|---------|-------------|-------------|
| V3.1.0 | 2019-08-23 | First release for Linux |

# Contents

# 1 Introduction

VPlayer is an application from NovaStar. It works as a terminal player which can be used for devices installed with Windows or Linux. This document introduces the operations and functions of VPlayer for Linux.

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.

# 2 Installation

## Preparation

- Visit www.en.vnnox.com/#downloadSyn to download VPlayer installer.
- Make sure your operating system is Ubuntu 18.04.

## Requirements

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

- 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.

## System Settings

Move the "vplayerenvsetting.sh" script file to the home directory of the current user. Open the terminal and run the script, as shown in Figure 2-1. "/home/zhl/" is the path where the script is located. Please replace the path as required.

After the script is run successfully, users can use sudo to execute commands without requiring a password.

Figure 2-1 Example of running the script

```
zhl@ubuntu:~$ sh /home/zhl/vplayerenvsetting.sh
zhl@ubuntu:~$ sudo ls /etc/init.d
acpid               cups              kmod               saned
alsa-utils          cups-browsed      networking         speech-dispatcher
anacron             dbus              network-manager    spice-vdagent
apparmor            dns-clean         open-vm-tools      udev
apport              gdm3              plymouth           ufw
avahi-daemon        grub-common       plymouth-log       unattended-upgrades
binfmt-support      hwclock.sh        pppd-dns           uuidd
bluetooth           irqbalance        procps             vmware-tools
console-setup.sh    kerneloops        rsync              whoopsie
cron                keyboard-setup.sh rsyslog            x11-common
zhl@ubuntu:~$
```

## Installation

Decompress "vplayer.tar", double click the "vplayer.run" 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.

## Before You Begin

- VNNOX Standard: No requirements.
- VNNOX AD: There are synchronous players that are not bound.

## Checking Authentication Information

VNNOX Standard:

Step 1  Visit www.en.vnnox.com and log in to VNNOX Standard.

Step 2  Choose 👤 [____] ˅ > **Account**.

Step 3  View **Server address**, **Authentication user name** and **Authentication password**.

VNNOX AD:

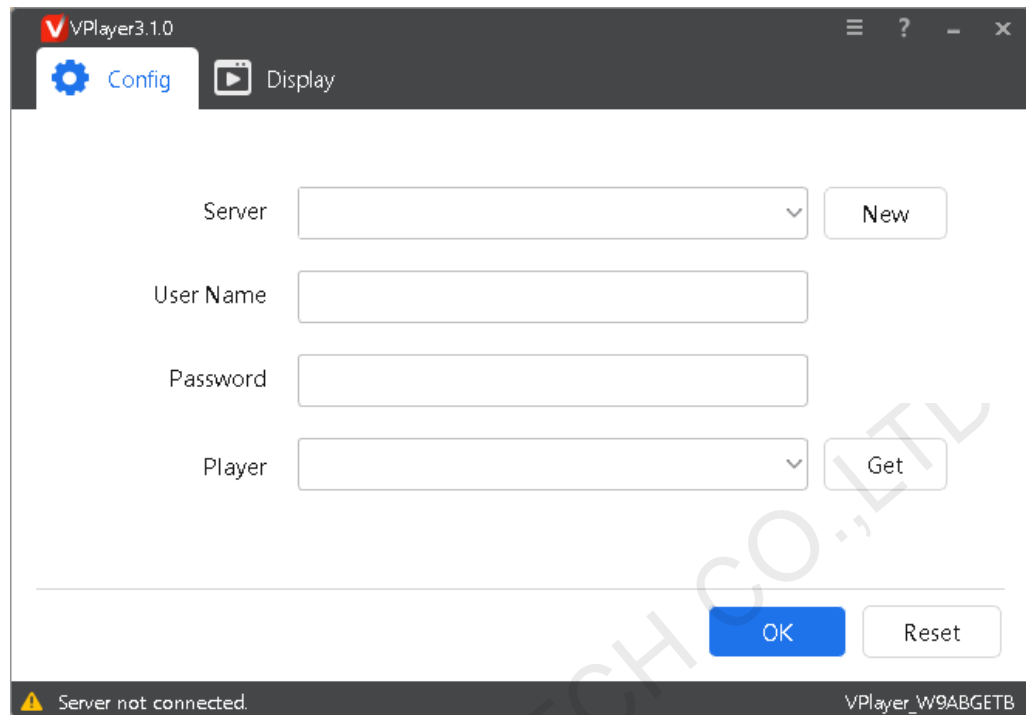Step 1  Visit www.en.vnnox.com and log in to VNNOX AD.

Step 2  Choose ⊞ > **Organization Management** > **System Management**.

Step 3  Select the **Player Authentication** tab to 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



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 VPlayers 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  Choose **Config**, and click **New**.

Step 3  Enter the server name and address and then click **OK**. The server address must be consistent with the one in the cloud-based publishing system.

Step 4  Enter the authentication user name and password which must be consistent with those in the cloud-based publishing system.

Step 5  Click **Get** and then click **OK**.

Step 6  Perform the following corresponding operations as required.

- VNNOX Standard: Select **Bind and create player** from the drop-down list next to **Player** and click **OK**.

- VNNOX AD: Select a player from the drop-down list next to **Player** and then click **OK**.

Step 7  In the prompt box which says the player was bound successfully, click **OK**.

## Related Operations

To reset parameters, click **Reset**.

To remove binding:

- VNNOX Standard: On the **Players** page, click 🗑 .

- VNNOX AD: Choose ⊞ > **Players Management** > **Players**. Click a player name to enter the attribute page. Select the **Status** tab and click **Remove Binding**.

# 4 General Functions

## 4.1 Setting Display Window

Step 1  Open VPlayer.

Step 2  Choose **Display**.

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 desktop. If they are not completely the same, see 5.2 How to set Linux configuration options related to full screen playback?

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

## 4.2 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.

## 4.3 Setting System Information

Step 1  Open VPlayer.

Step 2  In the top right corner of the page, click ☰ and select **Settings**.

Table 4-1 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 hardware acceleration.<br><br>• Select **Enable network time**, and the PC will sync time based on the network time.<br><br>• Select **Turn off video volume**, and the next video and subsequent videos will be muted.<br><br>• Select **Use GPU of native operating system for acceleration** to enable hardware acceleration. When the graphics card of the PC does not support hardware acceleration and the playback gets stuck, you are advised to deselect this option. |
| 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.

# 4.4 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.

# 5 FAQ

## 5.1 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.

## 5.2 How to set Linux configuration options related to full screen playback?

### Question

How to set relevant Linux configuration options when **Same as Desktop** is selected but the sizes of the playback window and desktop are not completely the same?

### Answer

Step 1 Hide Dock.

1. Press the **Win** key and type **Dock** in the search box and then press the **Enter** key.

2. Turn on **Auto-hide the Dock**.

Step 2 Hide top bar.

1. Install GNOME Tweak Tool.
2. Restart Linux system.
3. Press the **Win** key, type **gnome-tweak** in the search box and then press the **Enter** key.
4. Turn on **Hide top bar**.

# 5.3 The installation package cannot be opened

## Question

When you double click "vplayer.run", the installation program of VPlayer, the system reminds there are no application programs that can process this file.

## Answer

Execute the following command to modify read/write access of the program and then install it again.

**sudo chmod 777 vplayer.run**

# 5.4 Media with transparent background covers videos or streaming media

## Question

When a solution has multiple areas and some areas overlap, if the media with transparent background is in the front of videos or streaming media, the videos or streaming media in the overlapped area will be covered and cannot be displayed.

## Answer

Make sure no areas overlap. If areas must overlap, please make sure no video or streaming media is in the back of the media with transparent background.

# 5.5 An error is reported occasionally after VPlayer is reinstalled

## Question

When VPlayer and a player in VNNOX are bound, a reminder saying request failed appears occasionally after VPlayer is uninstalled and reinstalled.

## Answer

Rebind the player in VNNOX.

Official website
www.novastar.tech

Technical support
support@novastar.tech