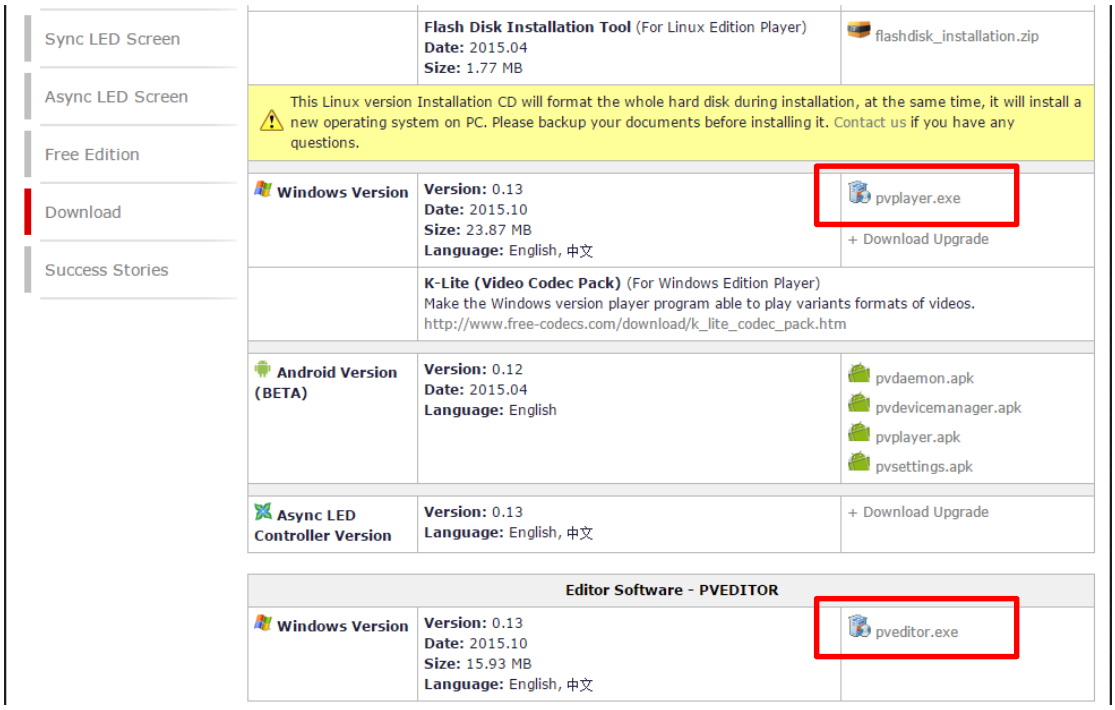
Digital Signage System
Software Manual

1. Installation Guide

1.1 Download the Installer

Download the pvplayer and the pveditor software from the following website:
http://www.kazovision.com/multimedia/pvsystem/download



1.2 Install and Launch the Player

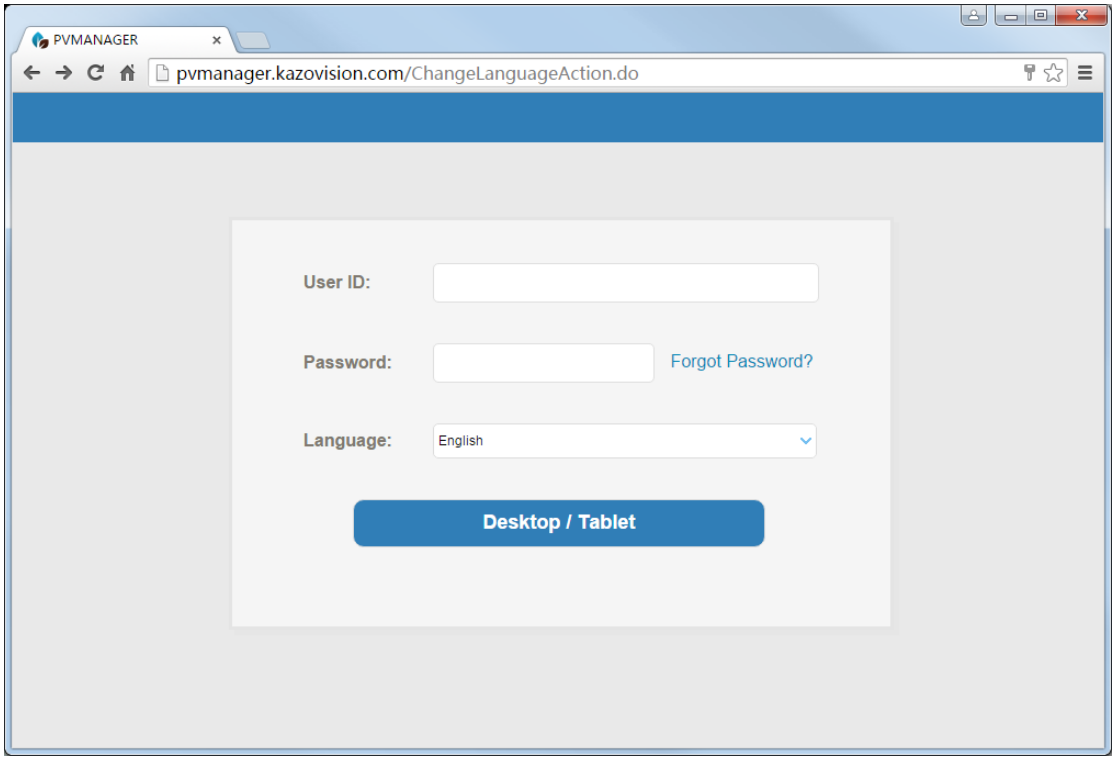
Install the player “PVPlayer”, double click the desktop icon to start the player.

A black window which is the interface of the player will be seen.
Launch the “PVPlayer Options” can modify the size of the window on your needs.

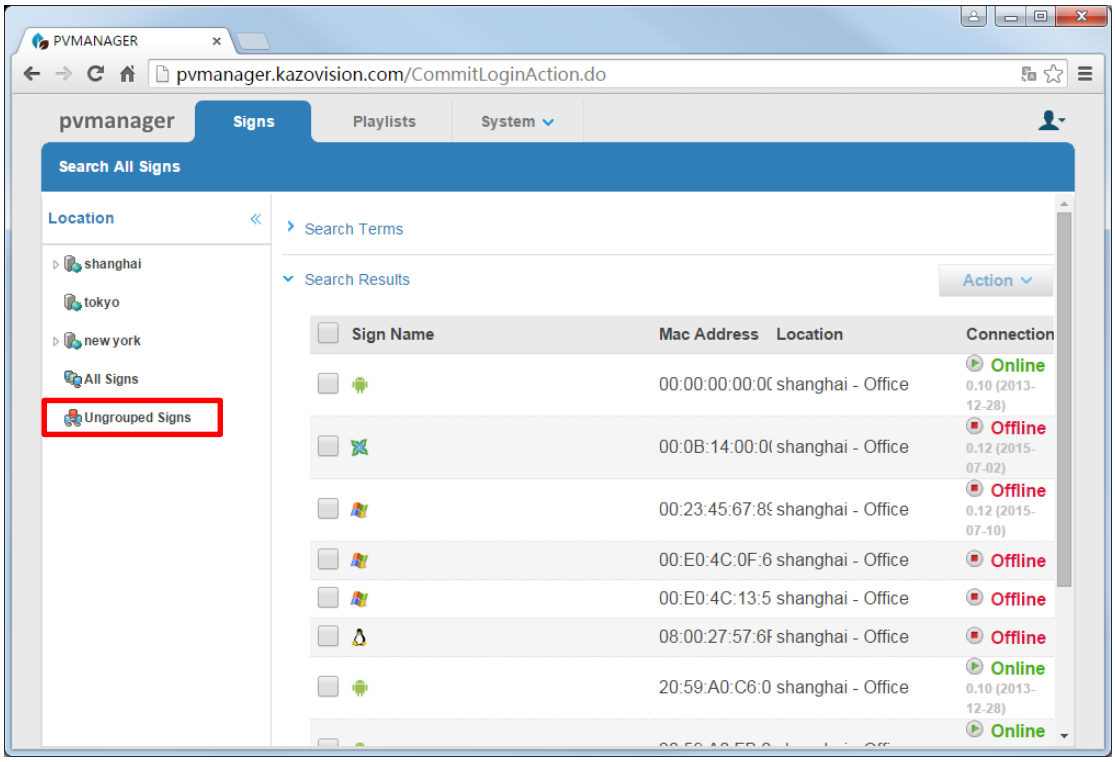
Press keyboard “F2” to turn to the player configuration interface, please remember the MAC address, it will help you to find this sign in the manager system on the WEB.

1.3 Login the WEB System and Check the Sign Status

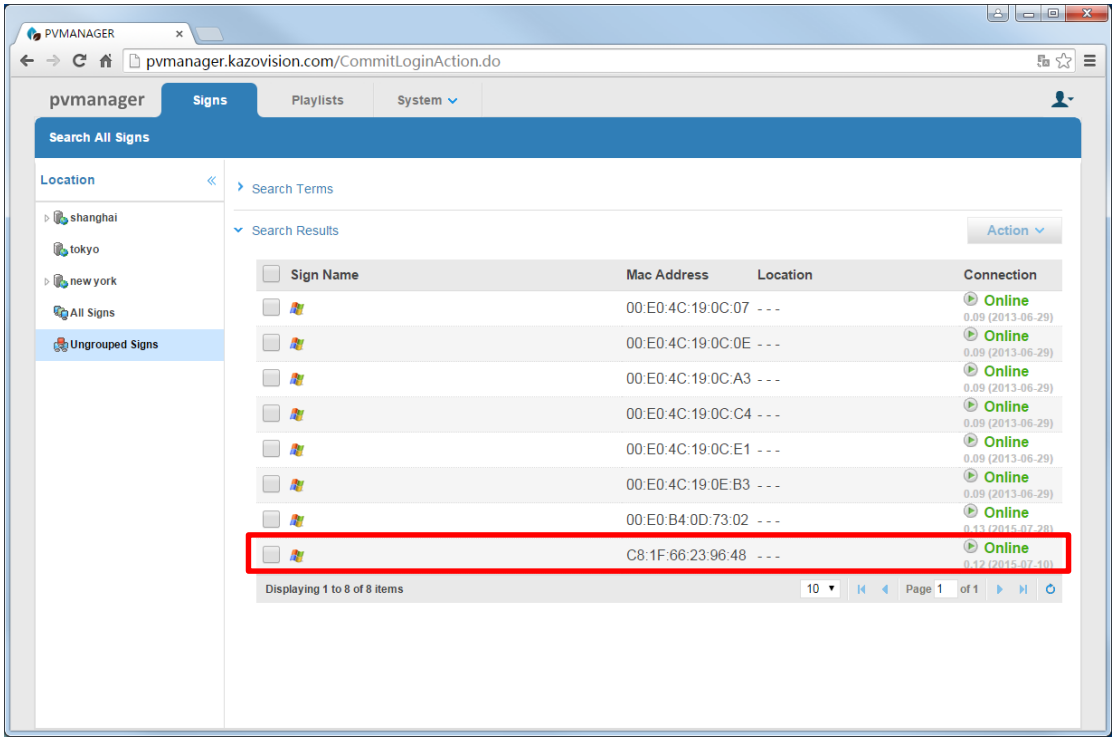
Open the web page with your browser: http://pvmanager.kazovision.com
Get User ID and Password from the supplier and login.



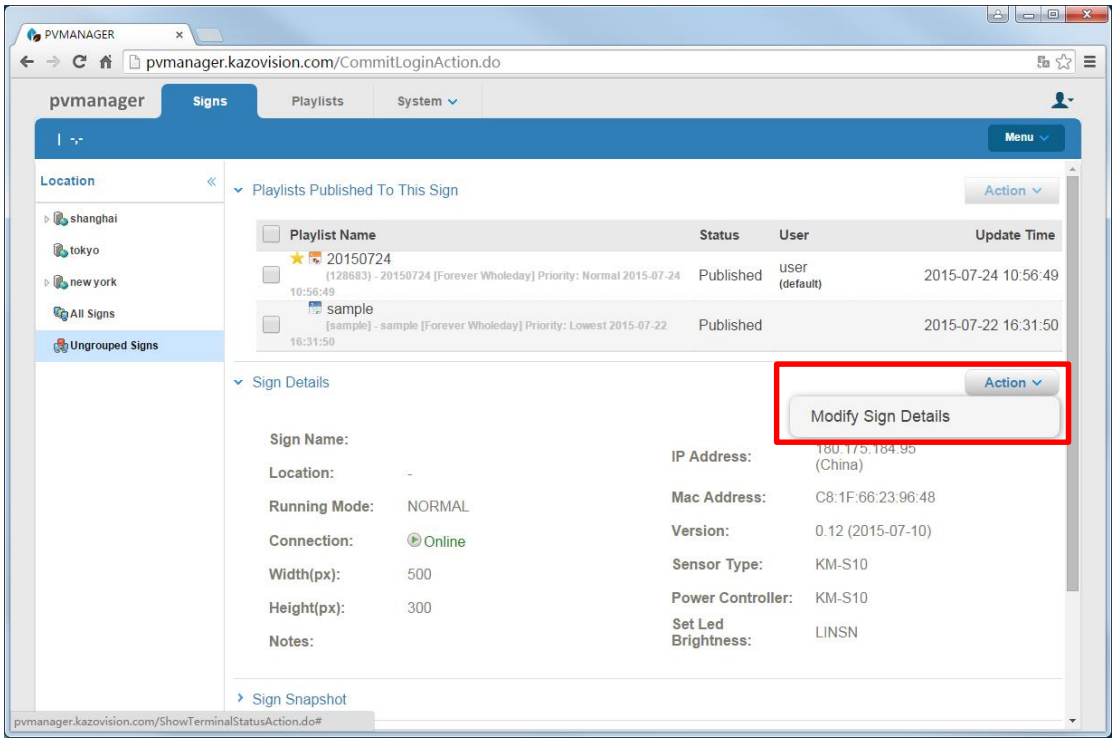
Click the “Ungrouped Signs” in the toolbar on the left.



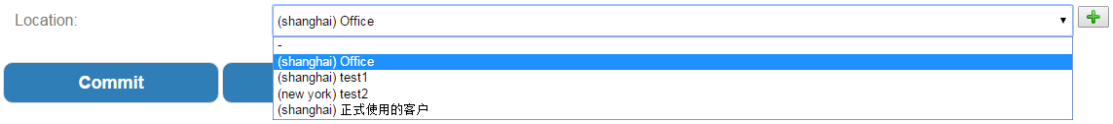
All the signs which were automatically registered to the system but ungrouped yet can be seen. Find the MAC address of your own sign from the list, and click the sign to modify the sign details.



Click “Action” > “Modify Sign Details”.



Modify location of the sign in the page. After committing, the sign will be assigned to the location you selected.

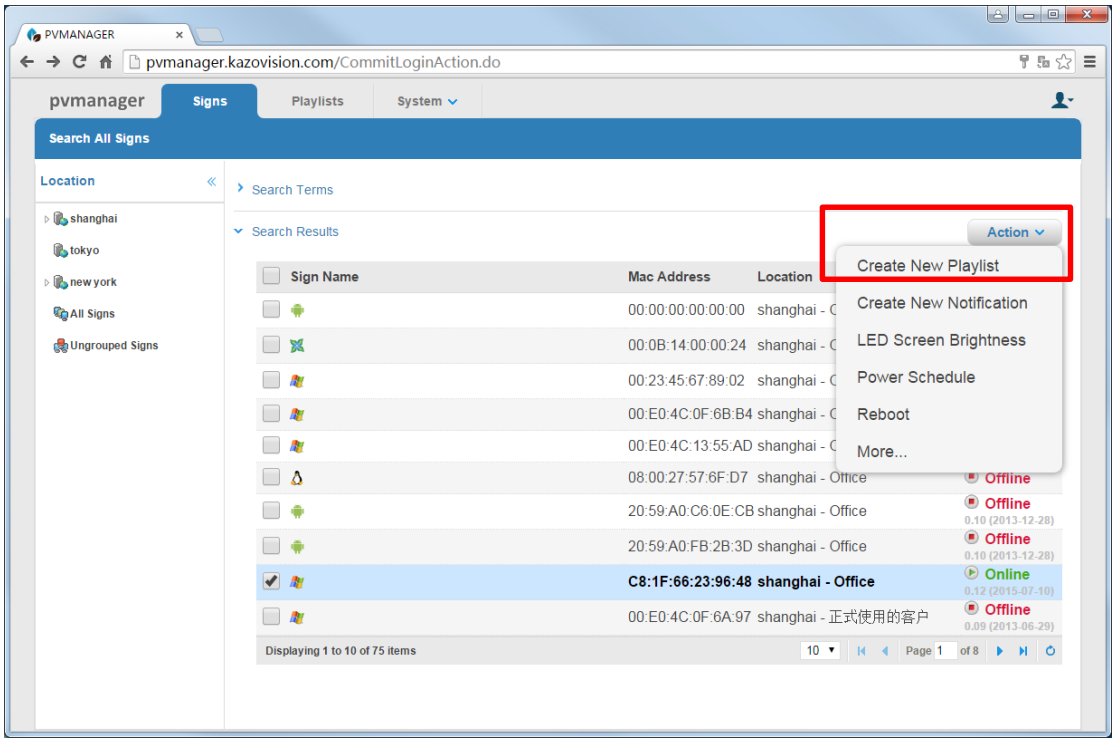


As long as the player in a network which can access Internet, it will be automatically connected to the Web Server and registered to the ungrouped signs.
If the sign can't be found in the list, please check the network of the player PC.

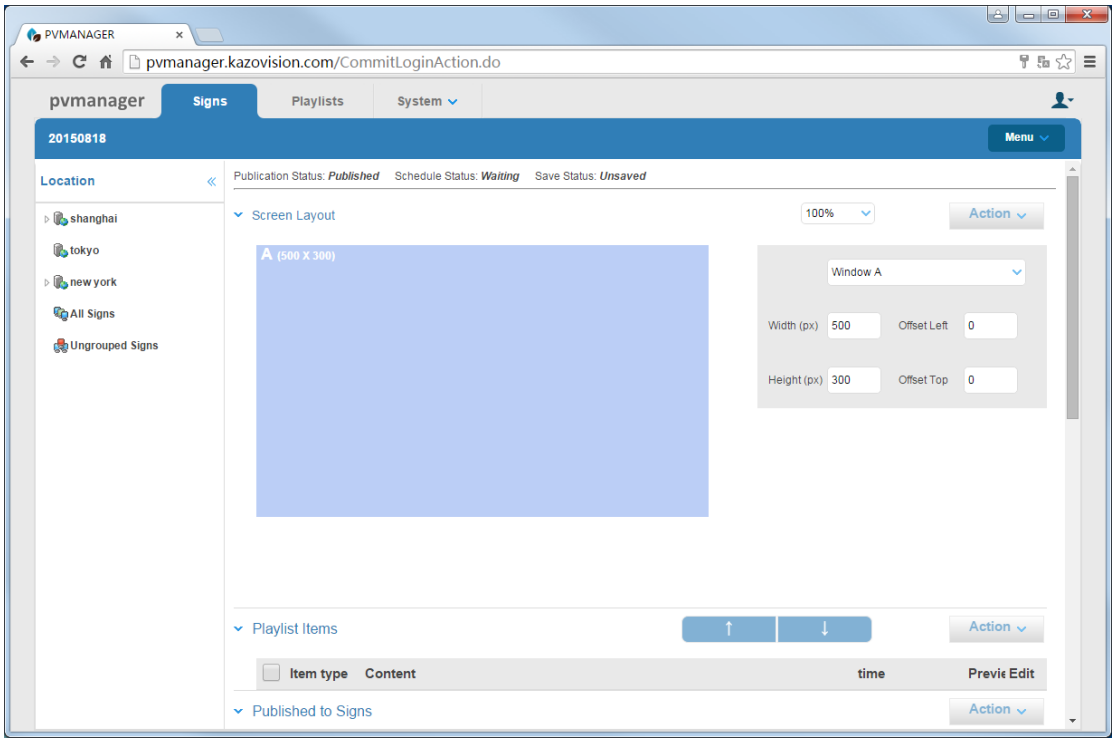
2. WEB Server

2.1 Edit and Publish Playlist Online

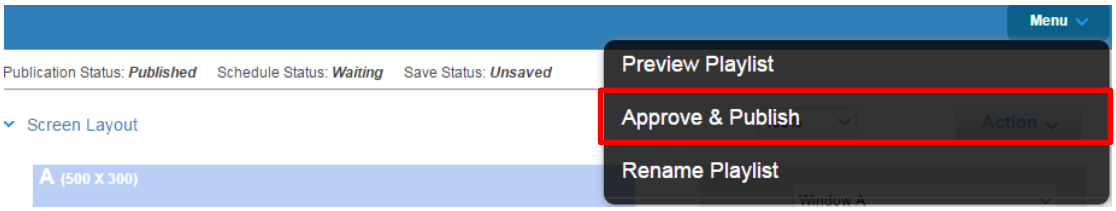
Check the sign you want to produce and publish a playlist to, then click the "Action" > "Create New Playlist" below.



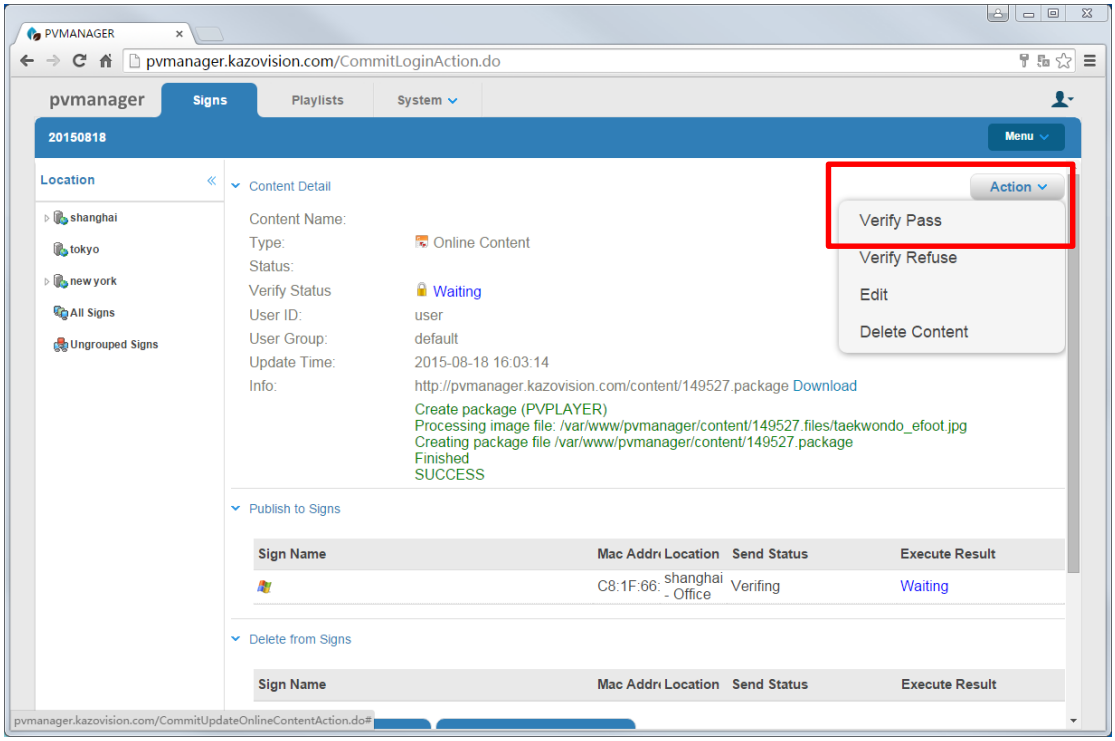
Enter to the Online Editor page.



While a playlist completed, click the “Approve & Publish” to publish playlist, it’ll save it to a package then go to the “Content Detail” page.



Click the “Verify Pass” button to complete the whole publication.

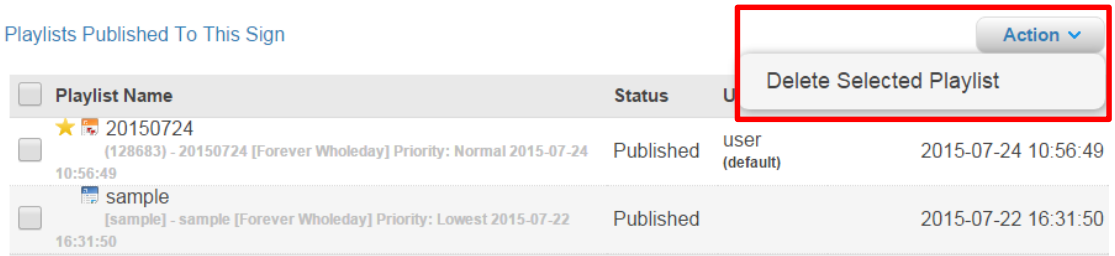


2.2 Sign Management and Monitor

Click the sign (according to MAC address) can get the sign details.

2.2.1 Playlists Published To This Sign

It shows the “Playlist Name”, “Status”, “User” and “Update Time”. The admin could get the situation with one sight, and delete it directly.

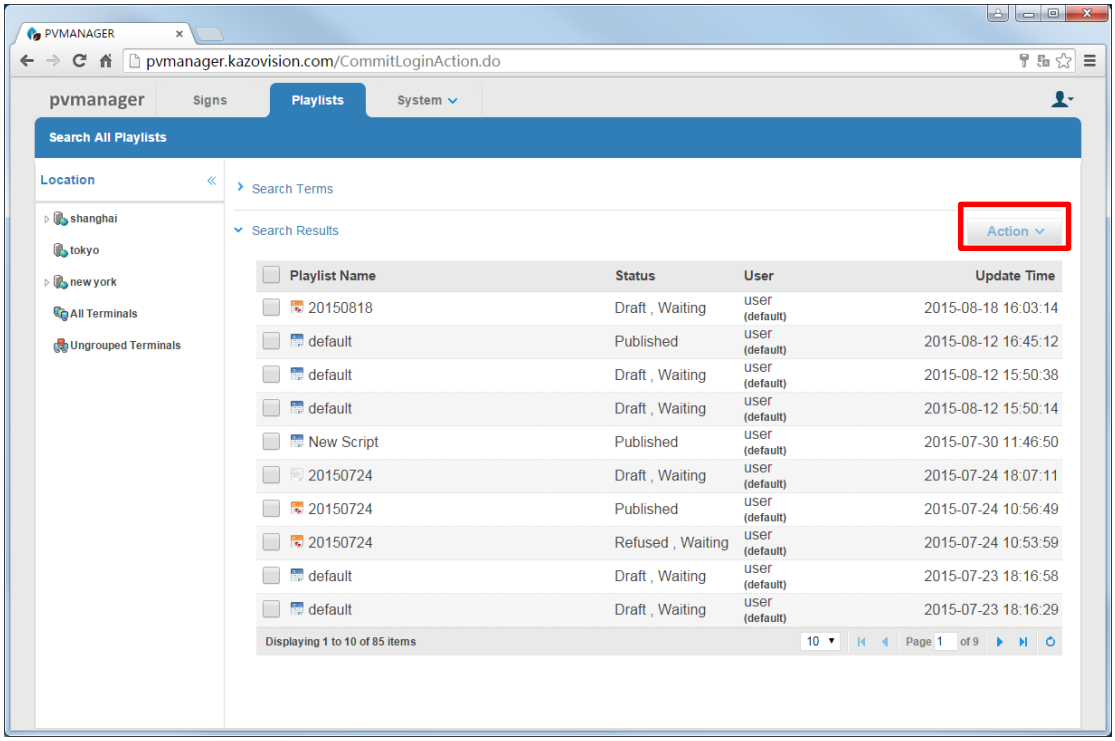


2.2.2 Sign Details

It shows the “Sign Name”, “Location”, “IP Address”, “Mac Address” and so on.
Click “Action” can modify the sign details.

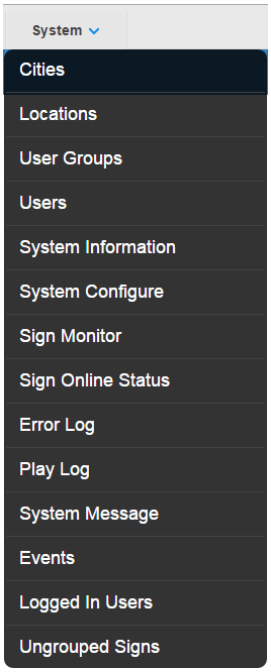
2.3 Playlists Management

Click the “Playlists” to go to the playlists management page.
Choose the playlist, then click “Action” can publish or delete the playlists.



2.4 System Management in Web Sign

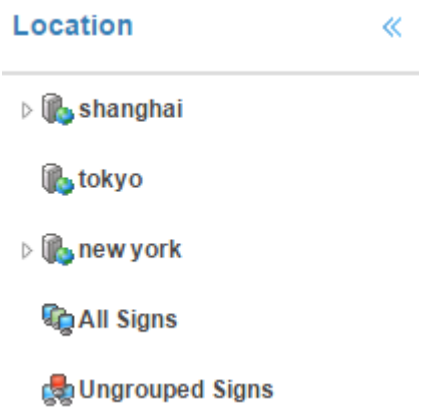
Click the “System” button.



There are 14 functions in the System Management, this chapter introduce the major functions.

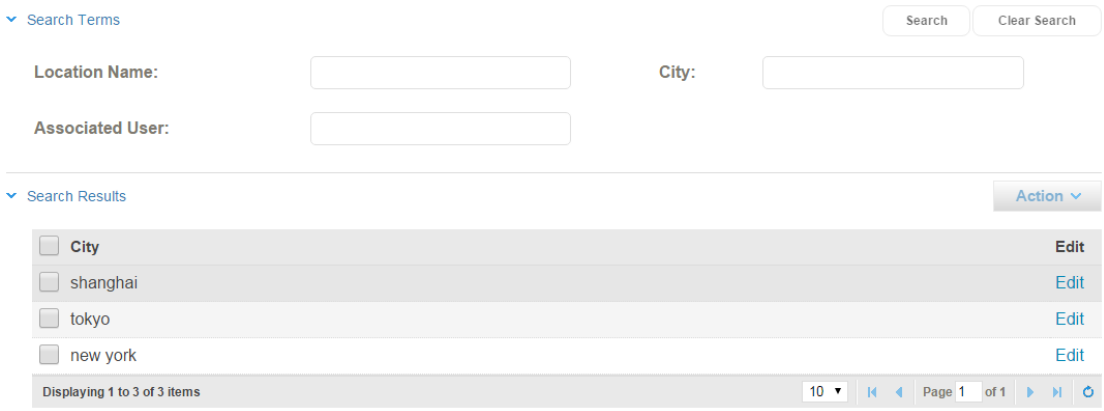
2.4.1 Cities / Locations

There is the location list on the left in both Sign and Playlists page.



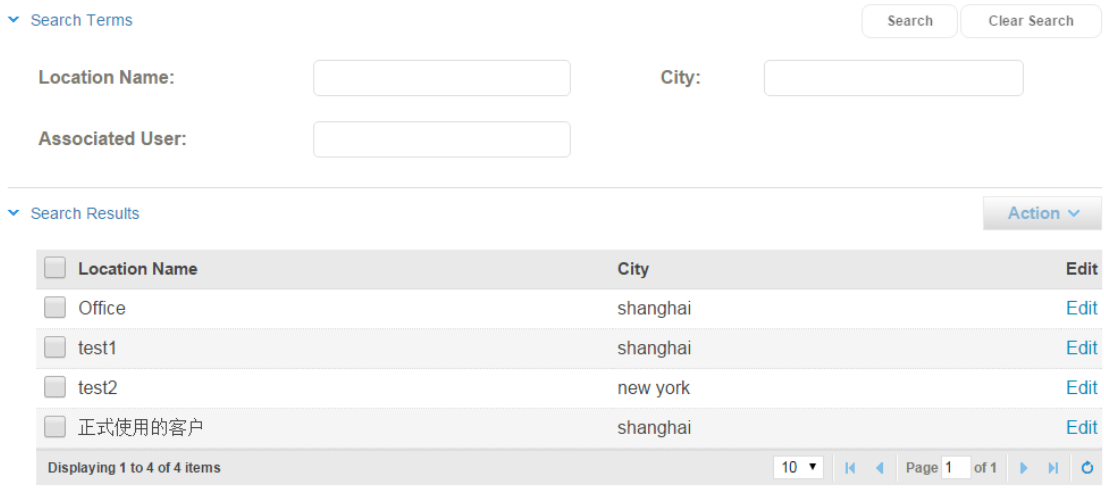
(1) City

Partition the signs by city, e.g. Shanghai, New York.



(2) Location

Location is a congregation of the sign, each sign may belongs to a location.

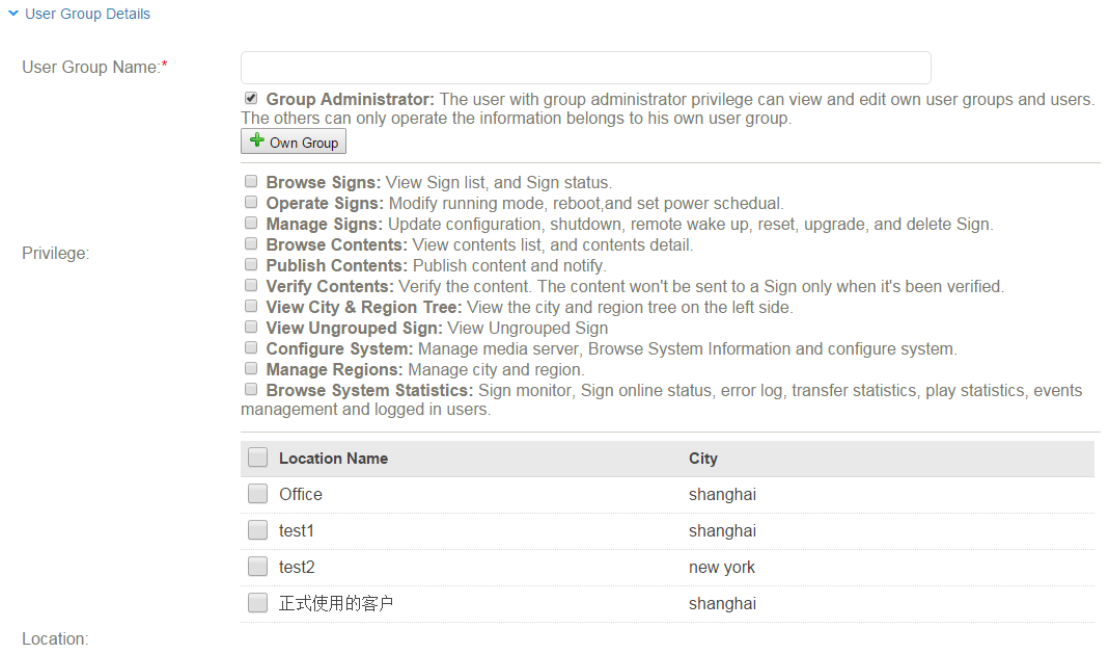


When create a new location, you must input the Location Name and select a belonging city.

2.4.2 User Groups and Users

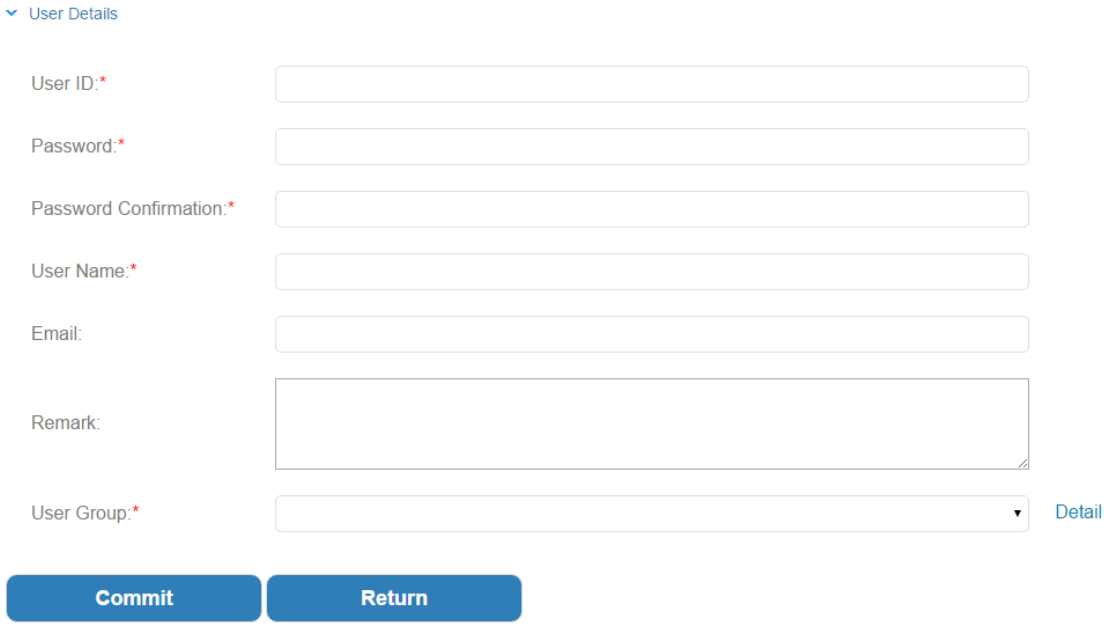
(1) User Groups

Create a new user group and enable its privilege.



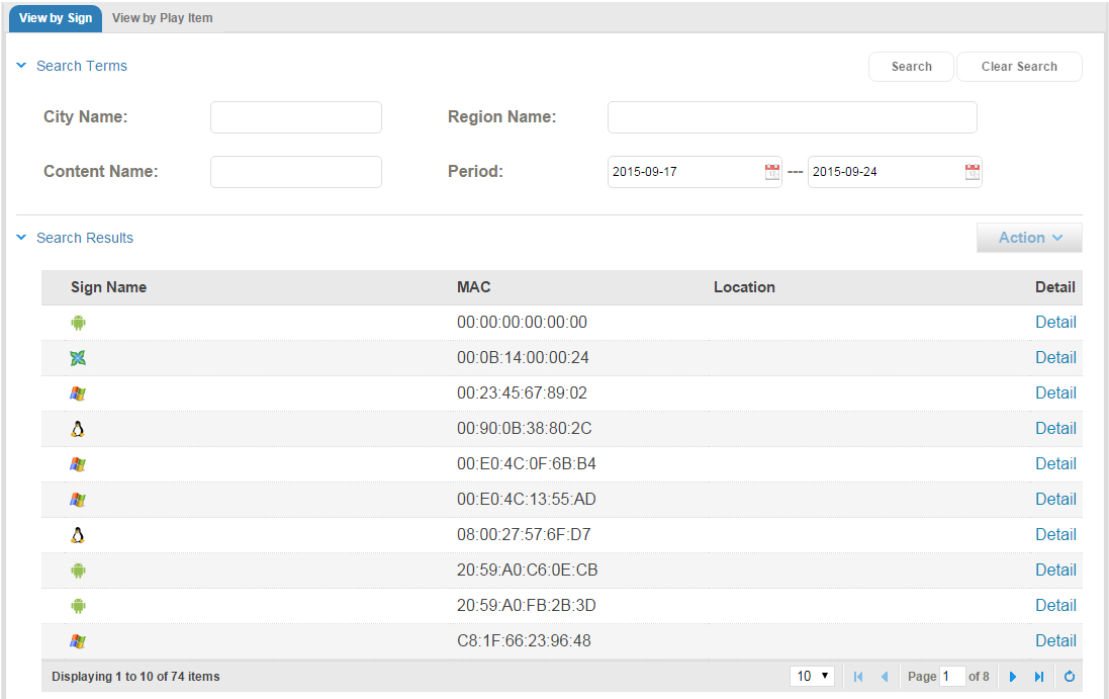
(2) Users

Add, modify and delete the user account to login the Web Server.



2.4.3 Play Log

List the played times and total time of each item in the content script, convenient to provide data info to the advertisers.



2.4.4 Events

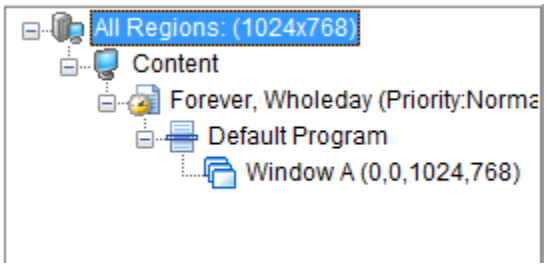
It displays the operation of all users in the Web Server, include login, logoff and other operations.

3. Create and Publish Playlist by PVEditor

Install the editor program “PVEditor”, double click the desktop icon.

3.1 Create Playlist

There is a content list on the left, default to display the last list.
It displays the following list at the first launch.

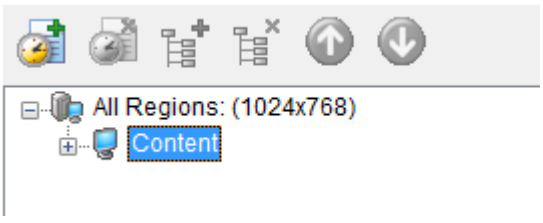


3.1.1 Region

The corresponding part of this icon called Region.

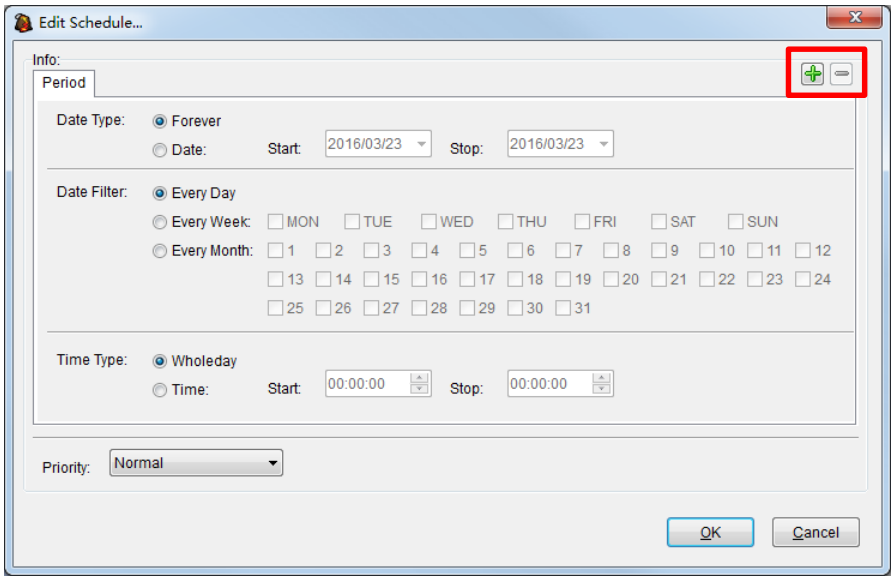
3.1.2 Schedule

The corresponding part of this icon called Schedule, each schedule has a “ Content” below.



Select a content, this icon above will bright, click it to create a new schedule.

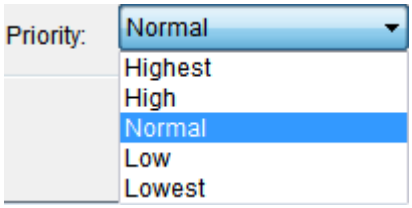
The following dialog box pops up.



Set a period of the schedule, for example, start at 9 a.m. and stop at 4 p.m. on Monday to Friday in November, 2012.

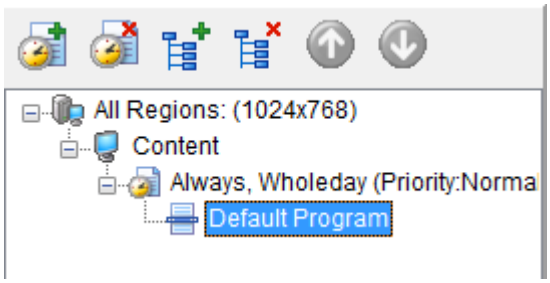
You could even add more periods, just click the icon on the upper right corner to add, and the icon to delete.

Choose different priorities for different programs. It has the following five options.

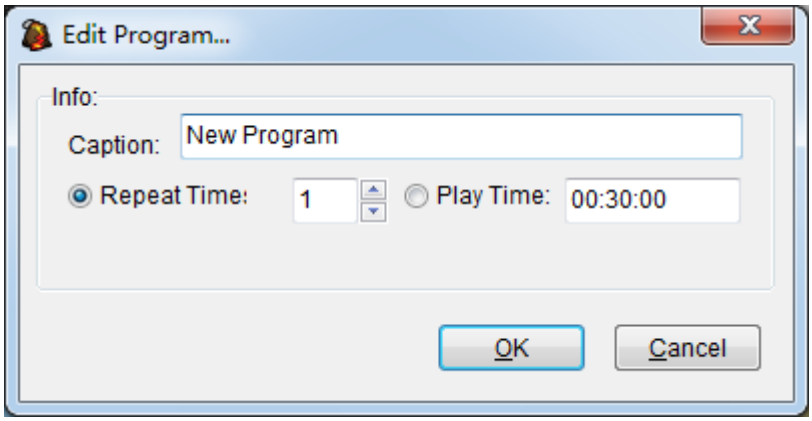


3.1.3 Program

The corresponding part of this icon called Program.



Select a schedule, then click the icon above to create a new program.



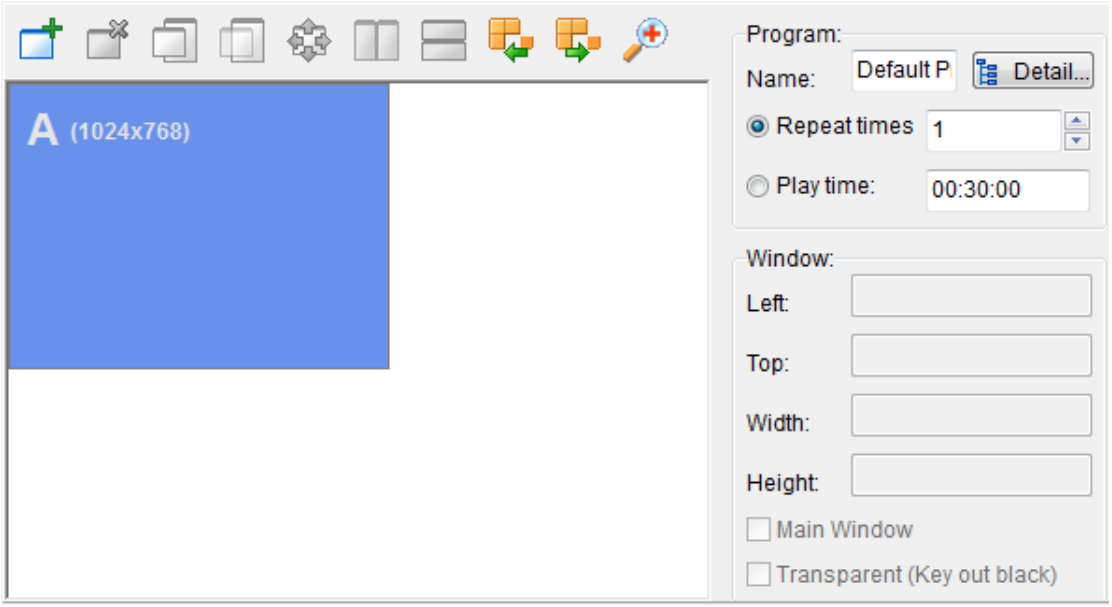
Alternative

Repeat Time: How many times you want to play the program.

Play Time: The duration that you want to play the program.

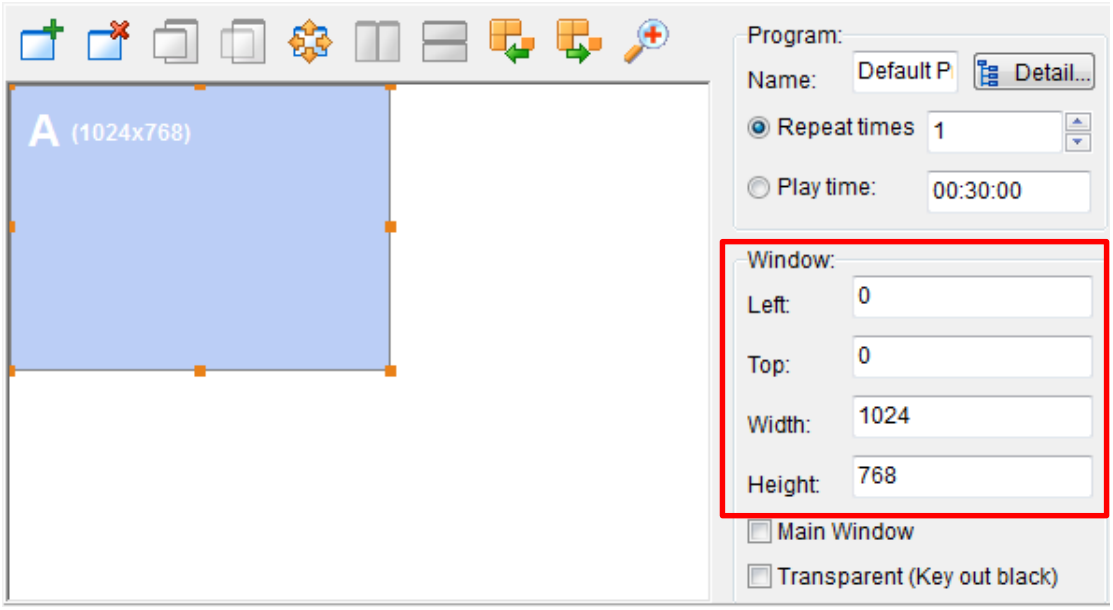
3.2 Window

There is a background screen in each program, create any windows on it is available.



3.2.1 New Window and Settings

Click “Window A” to edit it.



Drag and extrude the window to modify its parameter, or modify it in the parameter box.
Main Window:

Each program can set at most one main window, the play time is basis of the main window, the other windows will be loop playback; if a main window hasn't been set, the window with the longest play time is the main window of the program.

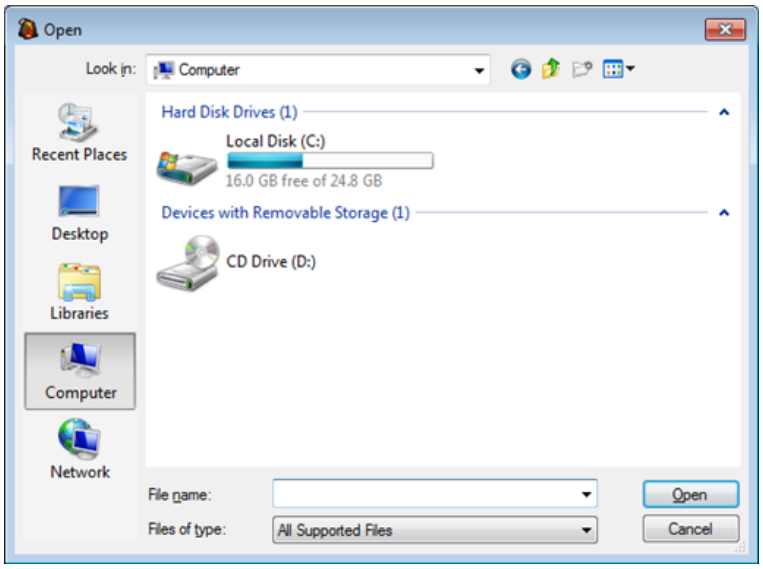
Transparent (Key out black):
When the window background color is black, it will automatically key out black when displaying. The play effect of the window is transparent.

3.3 Play Item

Located on the middle of the software interface, it's used to edit items of the windows.

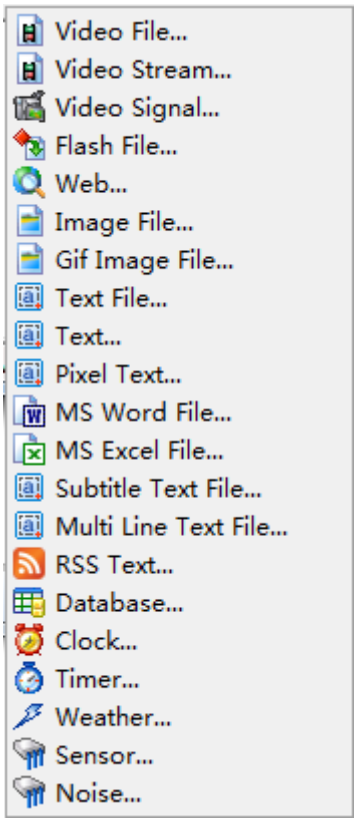
3.3.1 New File Item

Click the icon, and select the file.

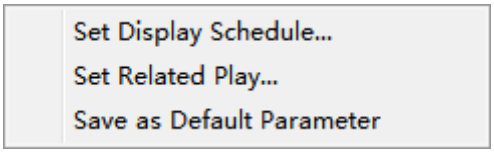


3.3.2 New Item

Click the icon pops up the following add item list.



Each of the add item dialog box has an icon in the lower left corner.

Click it and pop up this menu. 

Set Display Schedule: Similar to the schedule, set a period to play for the add item with its own period configuration is available.

Set Related Play: Set the item's related window play. The effect is that when playing the item, the corresponding correlation window can also play the corresponding content.

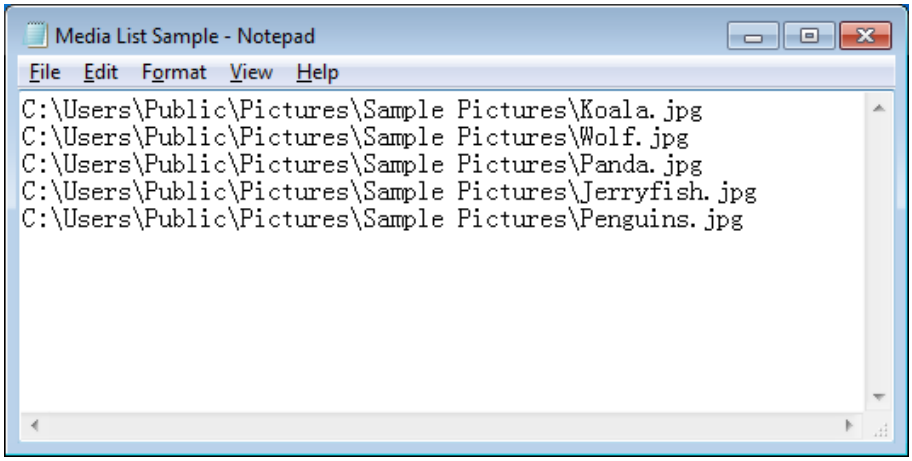
Save as Default Parameter: Save the current parameter to default parameter.

3.3.3 Import Media List

Click the icon to select an import list file.

Media list file is a text document, defined all the media files to a content package in it.

Each line of the text is a media file name.



3.3.4 Modify and Delete Item

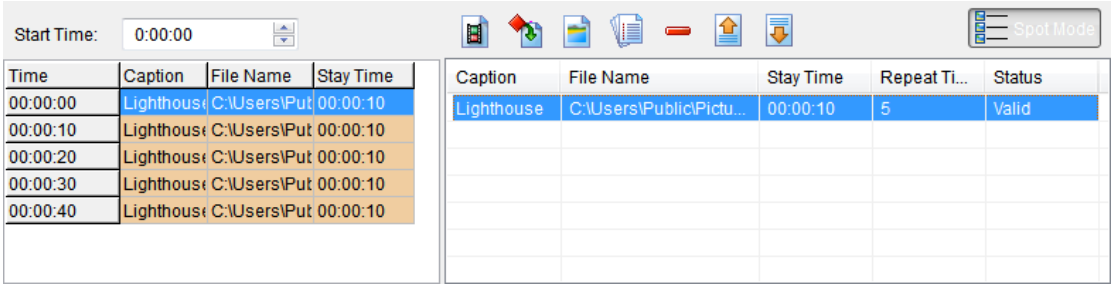
Select an item, the “Modify Item” icon and “Delete Item” icon above will be bright.

3.3.5 Move Item Up/Down

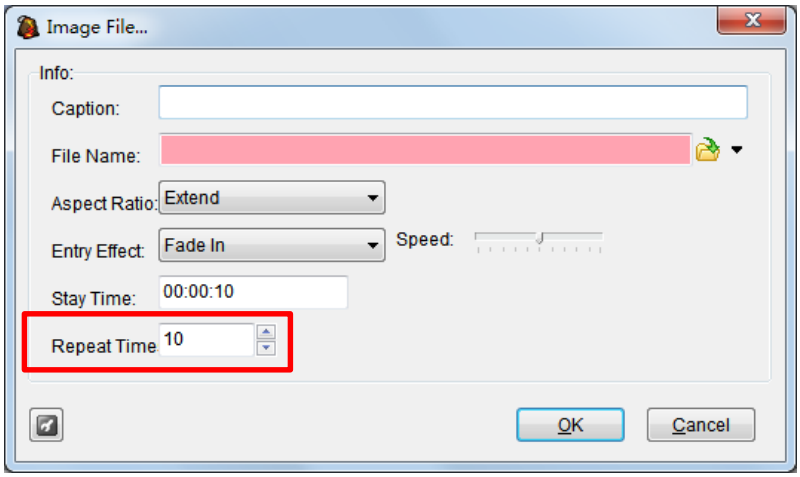
Select an item, the “Move Item Up” icon and “Move Item Down” icon above will be bright.

3.3.6 Spot Mode

When entering this mode, select the video files, Flash files, and image files. Then do modify, delete, and move up and down operation.

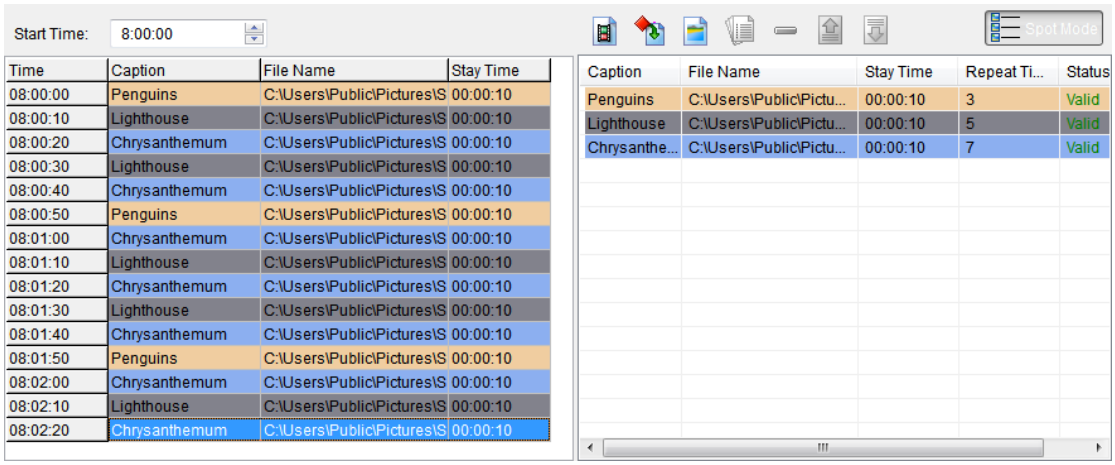


The following description is for the image file .
Select an image file, and it will pop-up the following panel. Compared with the normal mode, this item just one more “Repeat Time”.



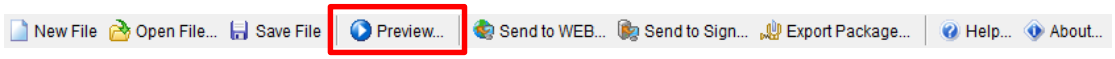
The default Repeat Time is 10 which can be modified. After addition, the left border will appear 10 items which is the effect of setting Repeat Time 10. If you add multiple image files, and the number of repetitions is different, the software will play these image files evenly.

As shown below, the number of three image files' Repeat Time were 3, 5 and 7. Start time is 8.00.



3.3.7 Preview

When the program list is created, preview it first.

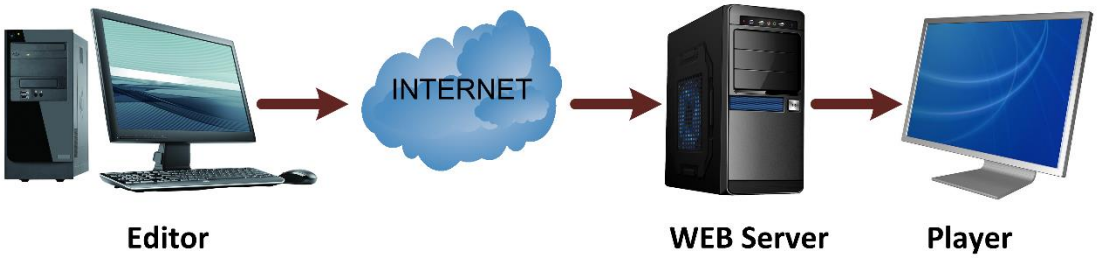


The preview screen:

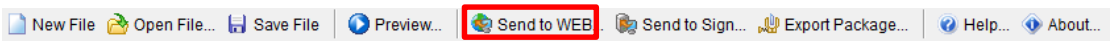
3.4 Publish Playlist

Here are 3 methods of publishing playlist by PVEditor.

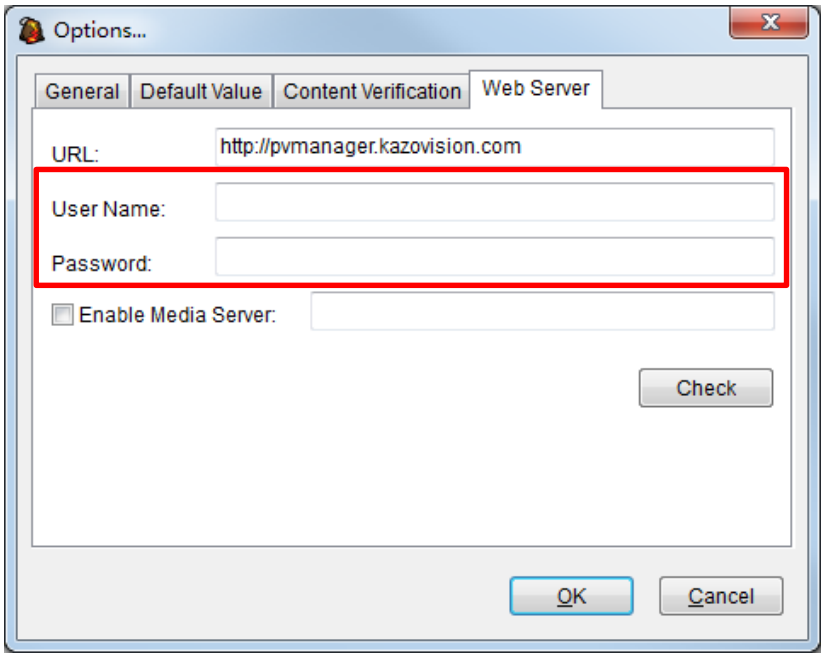
3.4.1 Send to WEB



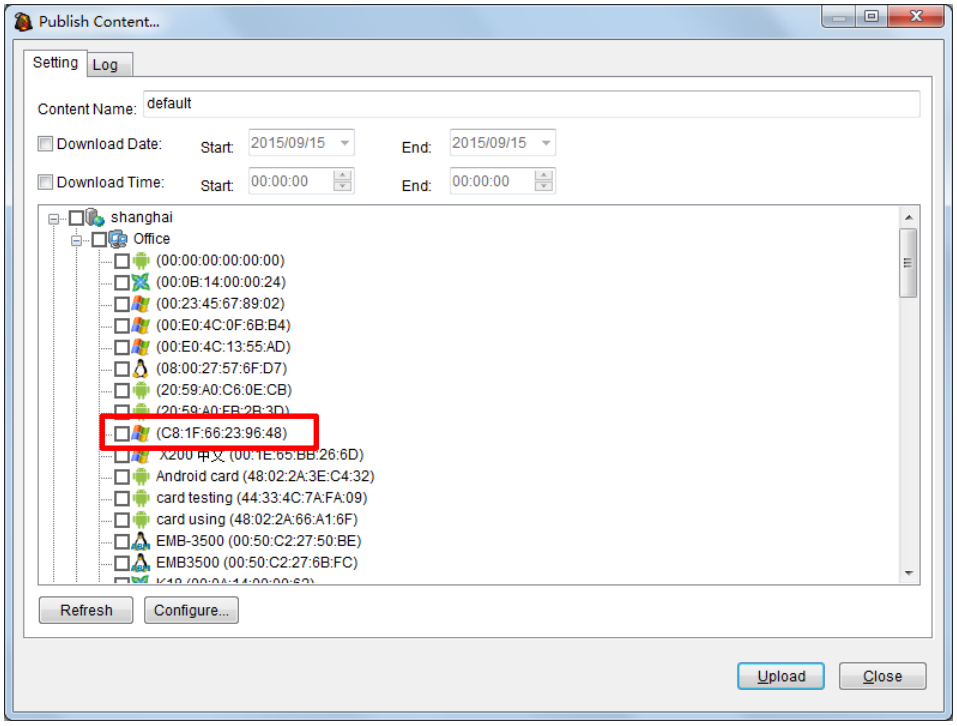
Using PVEditor to edit playlist, when completed, click the “Send to WEB” button in the toolbar.



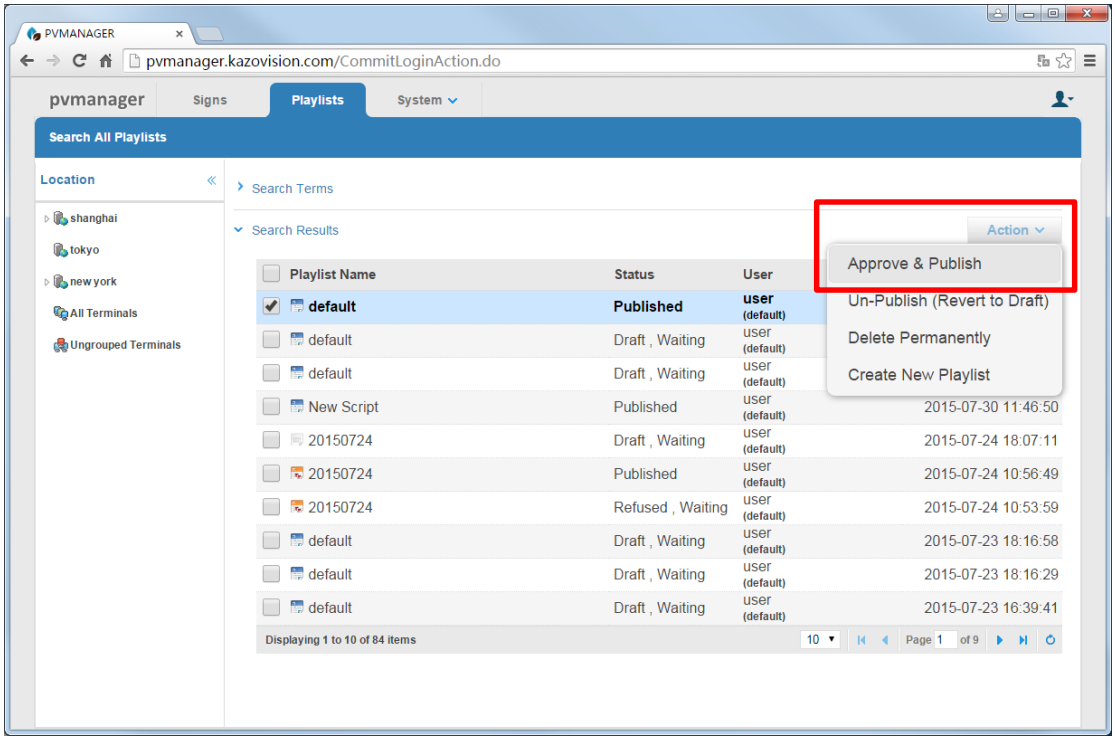
Then the “Send to WEB” dialog will popup. You should set the Web Server for the first time, click the configure button, and input the User Name and Password.



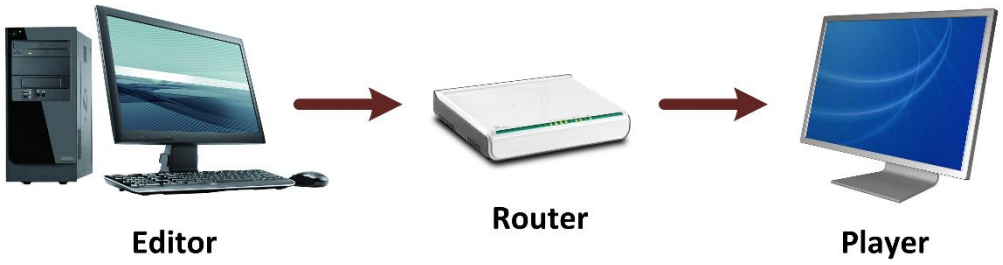
Click the “OK” you’ll see the list of assigned signs.
Check the sign you want to publish a playlist to, and click the “Upload” button, it will publish the playlists to the Web Server.



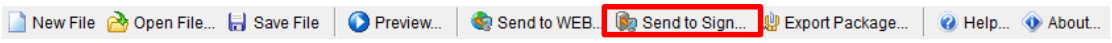
Login WEB server, click “Playlists”, and check the playlist you just uploaded, then click the “Approve & Publish” button to commit it, the verify status will turn into “PASSED”.
Once the verify playlist passed, the player will download the content and play it.



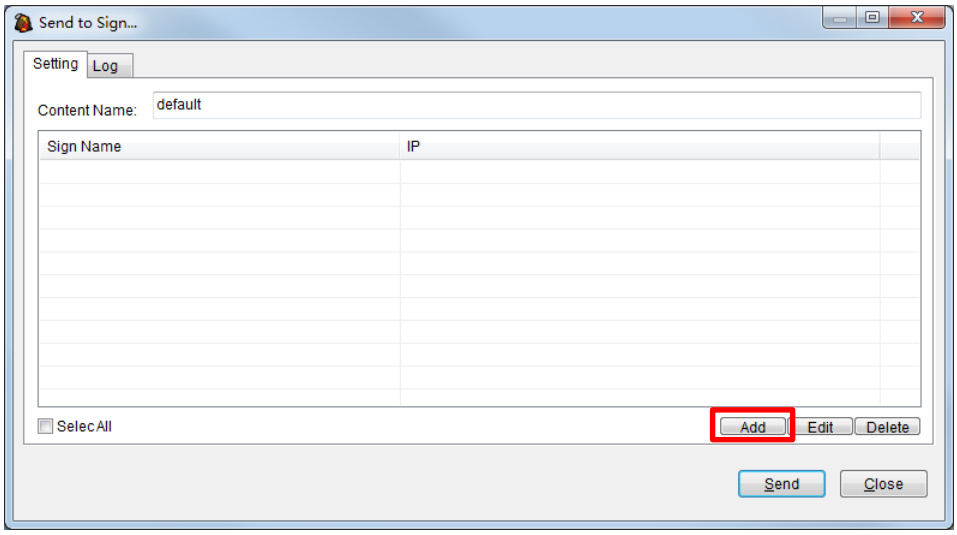
3.4.2 Send to Sign



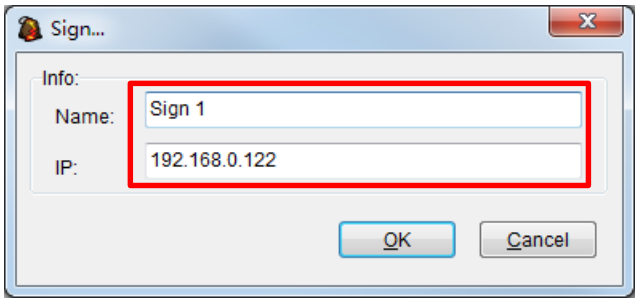
While a playlist be made, click the “Send to Sign” button.



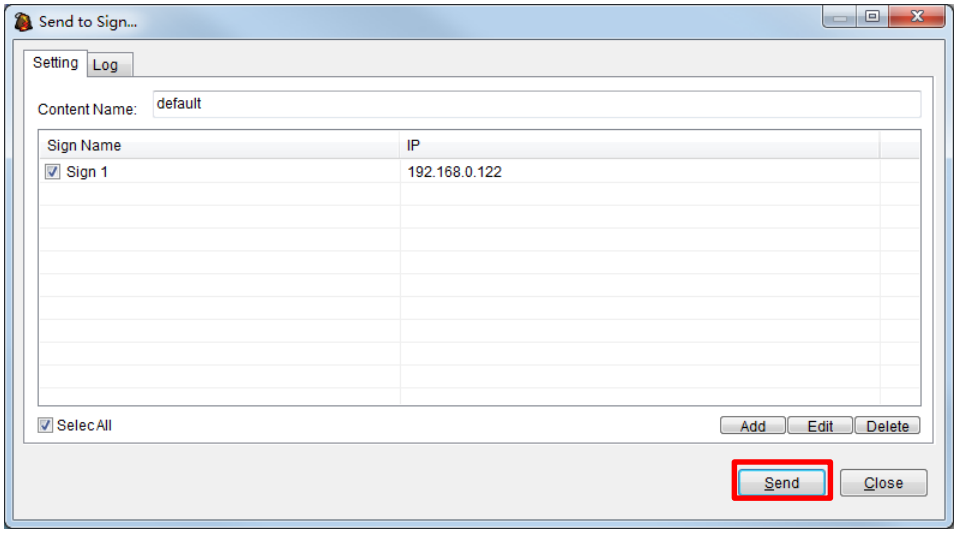
Click “Add” in the following page to add a sign.



Set the name and input the IP address of the sign.

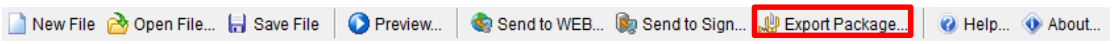


Check the sign then click “Send” button to complete the publication.

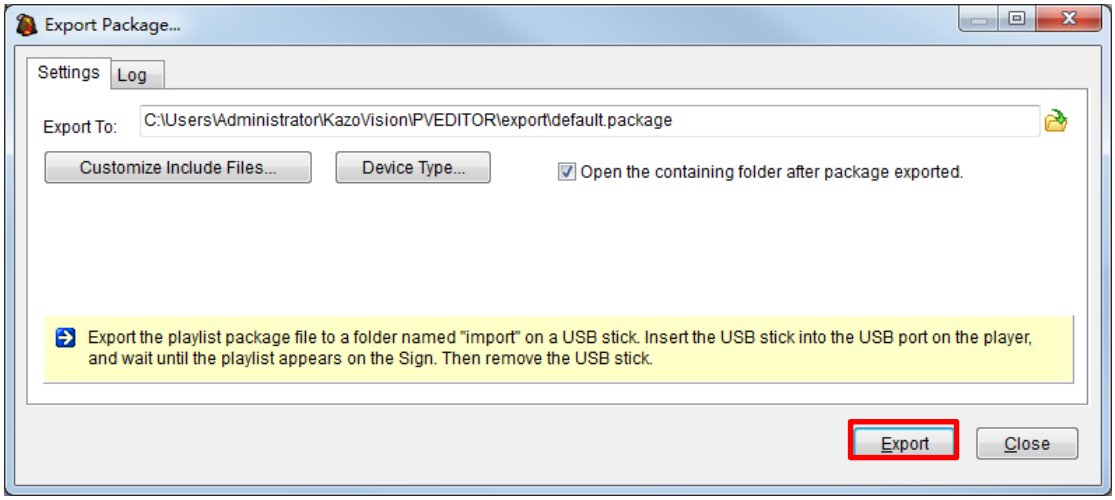


3.4.3 Export Package

While a playlist be made, click the “Export Package” button.



Click “Export” button in the following page.

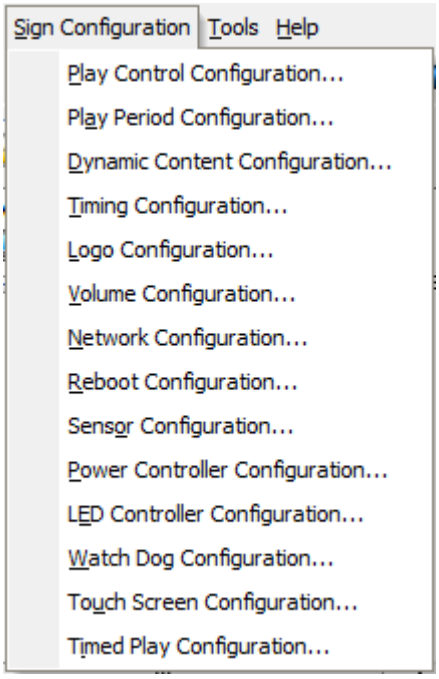


When finished, the package file will be in the folder.

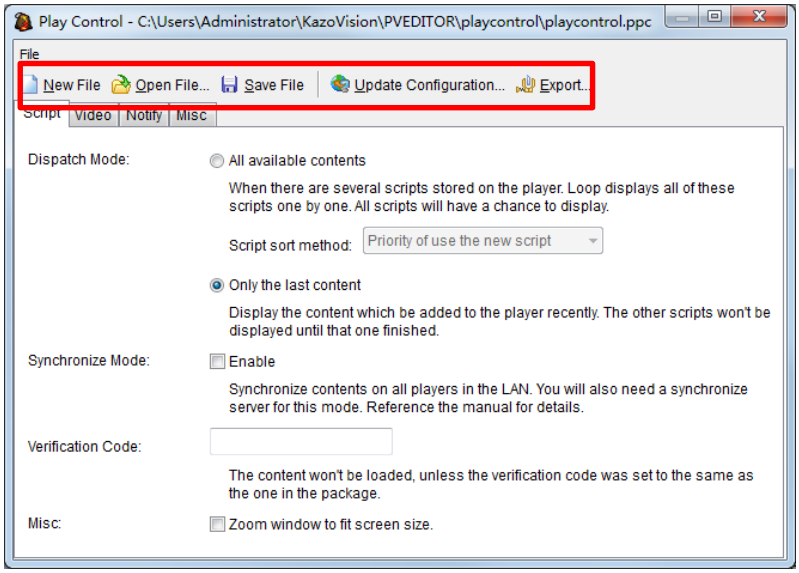
Copy the package into a folder named “import” of a flash disk. Then plug it to the player PC, it will be loaded automatically.

4. Sign Configuration

14 configuration options provided in the Editor Sign, you could update it to the Player directly, or sent it through the Web Server as well as import it by the Player.



4.1 Play Control Configuration



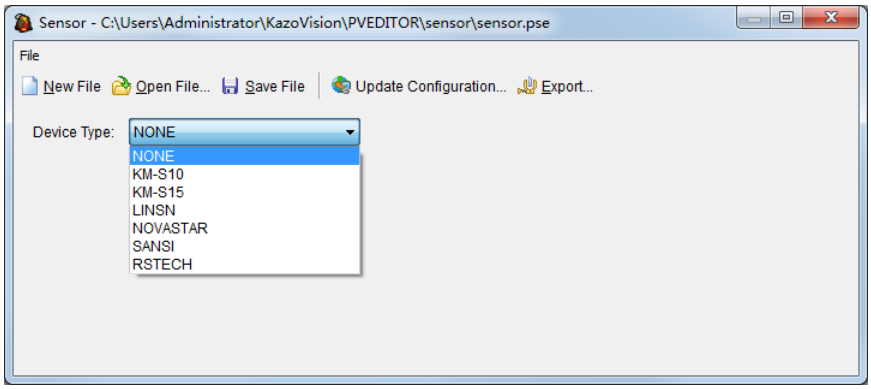
There are five buttons framed in each sign configuration.

Update Configuration: Import the current configuration to the Player at once.

Export: Export the configuration to an offline package file, and import it to the Player later.

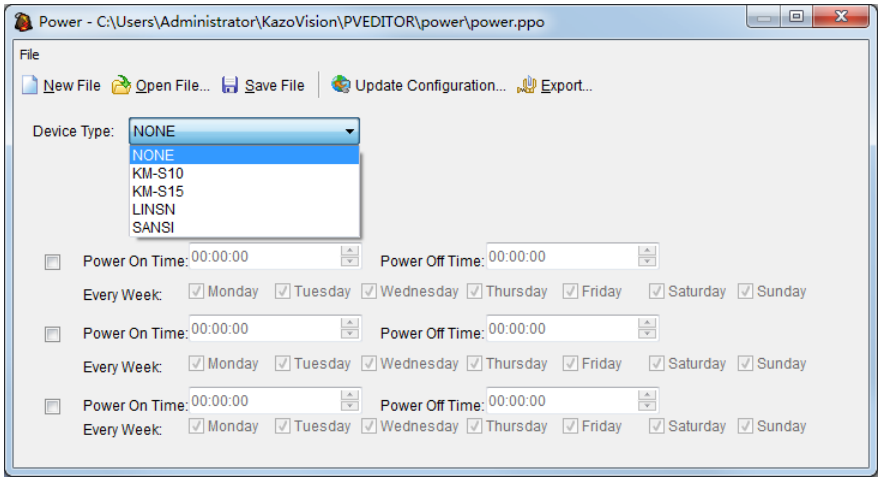
Script tab: dispatch mode, synchronize mode (Only Support Linux System), verification code, and misc.
Video tab: Used to select video and video stream.
Notify tab: Used to set notification options.
Misc tab: Show floating clock on the screen when no contents need to be displayed. It's just used to check the screen.

4.2 Sensor Configuration



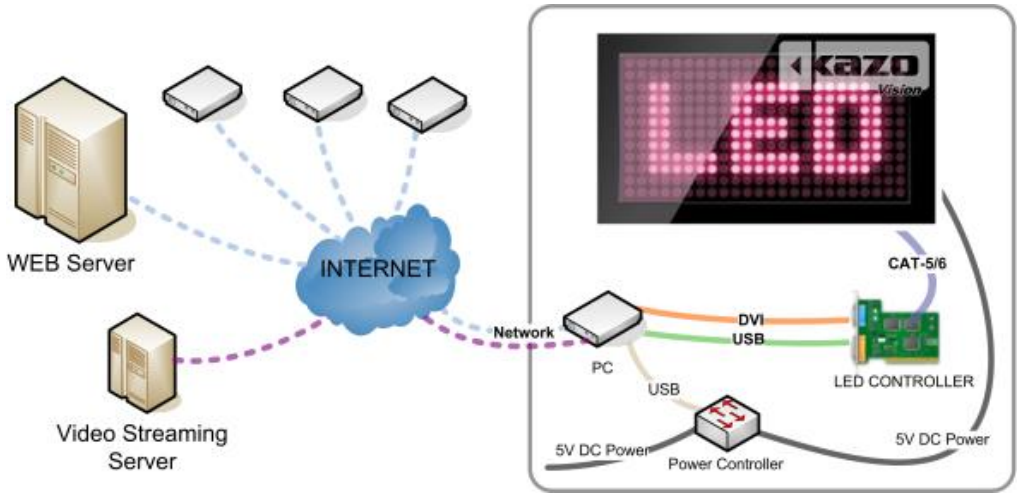
We provide 6 device types: KM-S10, KM-S15, LINSN, NOVASTAR, SANSI, RSTECH in the sensor configuration.

4.3 Power Controller Configuration



Choose the device type, then set the power on time and power off time.

4.4 LED Controller Configuration

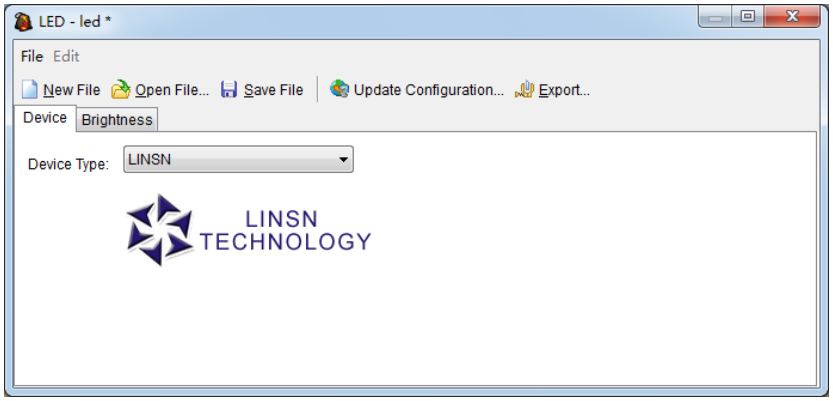


The PVSystem can be applied to different kinds of LED screen, and realize the RMON.

LINSN Controller http://www.linsn.com 	DBSTAR Controller http://www.dbstarled.com 	SANSI V3 Controller http://www.sansitech.com
ZDEC Controller http://www.zdec.com 	NOVA Controller http://www.novastar-led.com 	COLORLIGHT Controller http://www.lednets.com
MOONCELL Controller http://www.mooncell.com.cn 		

The LED configuration is specifically provided for supporting the screen brightness adjustment of LED device controller.

4.1.1 Device

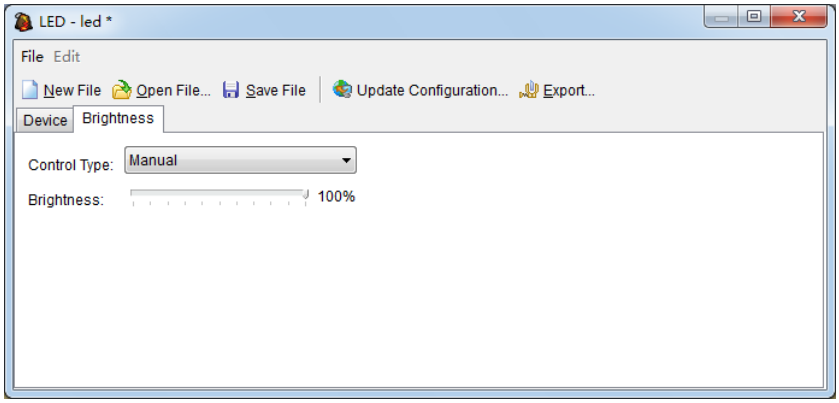


The devices support to adjust the screen brightness:
LINSN, DBSTAR, MOONCELL, SANSI, NOVASTAR

4.1.2 Brightness

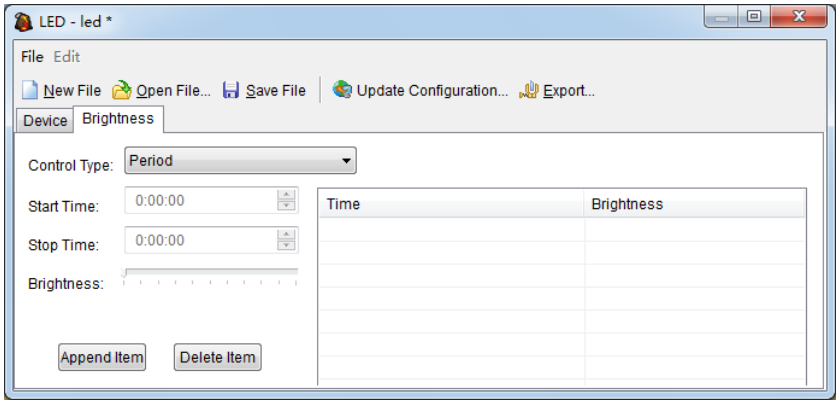
Four control types are provided to adjust the brightness.

Manual:



Drag the scroll bar to configure the brightness.

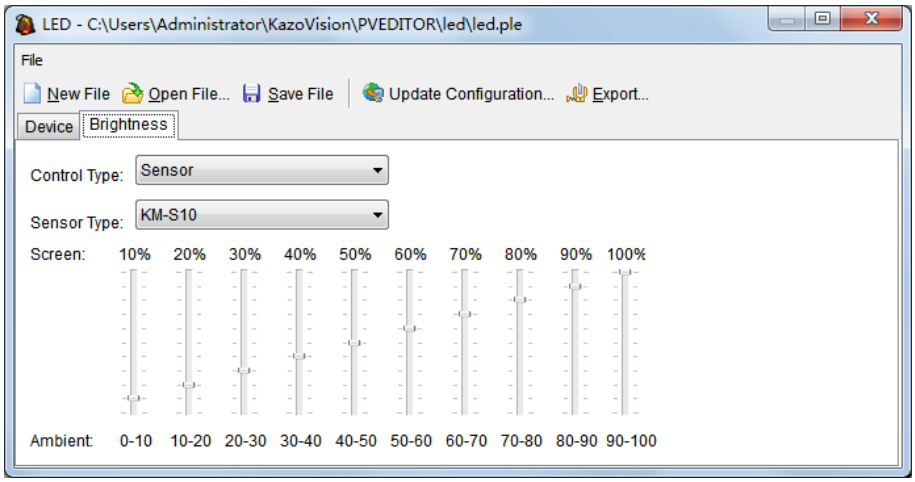
Period:



On the basis of manual, you could append any period to configure the brightness.

E.g. brighter in the morning and darker at night.

Sensor:



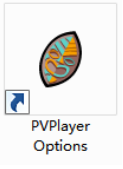
Sensor Type: KM-S10, KM-S15, LINSN, SANSI.

Configure different brightness according to the ambient collected by the sensor.

5. Player

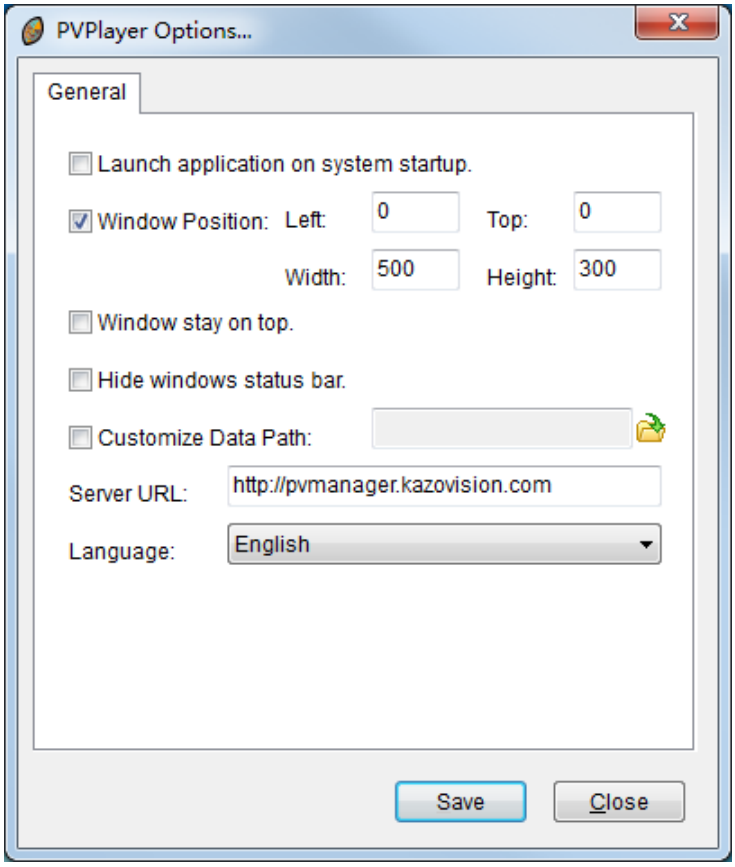
The PVPlayer is used to display the media info in PVSystem, it is installed to play the content package on time. It can stably for a long time and need no one to operate.
It will get the update info from the Web Server automatically and send feedback.

5.1 PVPlayer Options (for Microsoft Window)

Install the PVPlayer, double click the shortcut icon 

on the desk to launch the options.

If the “Window Position” is unchecked, the PVPlayer launched with full screen.
Customize Data Path default to system path while it’s blank.

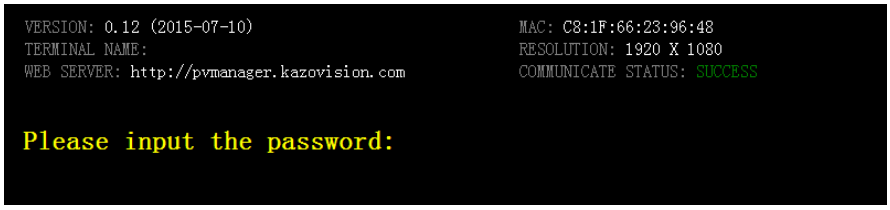


5.2 Interface and Configure

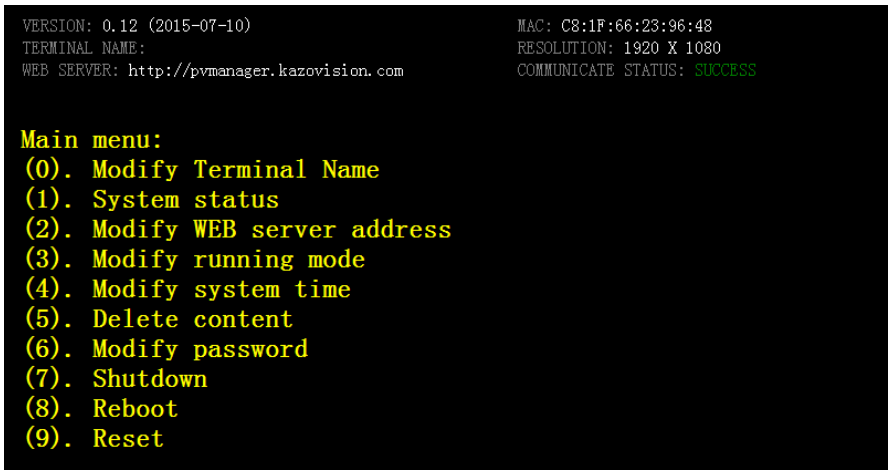
While the player connected to the internet, it will communicate with the Web Server and register it.

5.2.1 PVPlayer Configuration

Press F2 in the playing interface turns to the configuration menu.



Input the password to the main menu interface. (Default password is blank)



10 options in this menu, just input its number and press Enter.

5.2.2 Shortcut to Playing

The PVPlayer provides three shortcuts to control the contents.

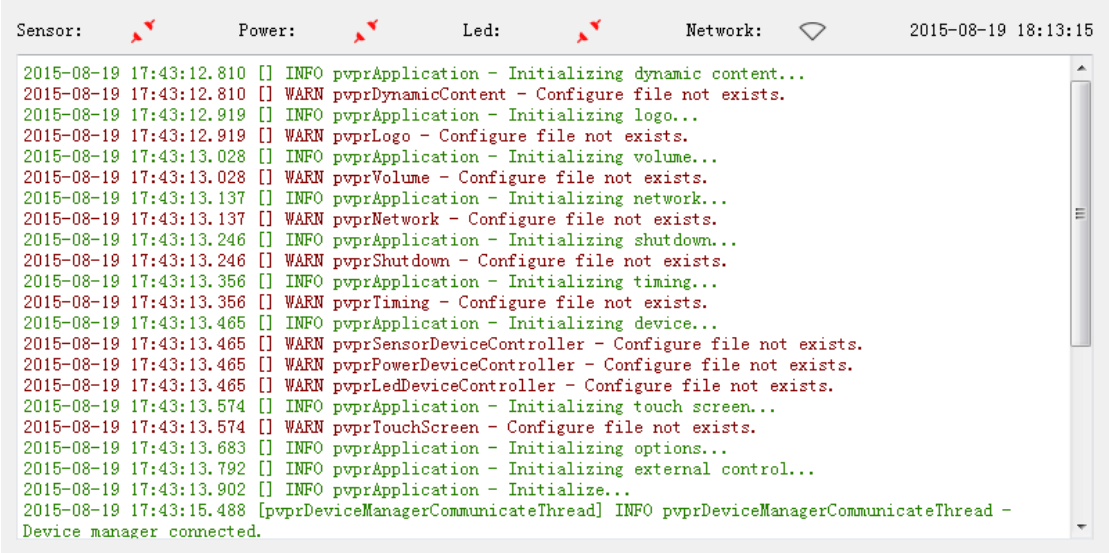
(1) F5: Forward to next item

(2) F6: Pause display

(3) F7: Resume display

5.3 Events Log

Press F4 to open/close the “Events Log” menu.



The marks next to the “Sensor:”, “Power:”, “Led:”, “Network:” display the connection status of them.

Events Log updates every 30 seconds.

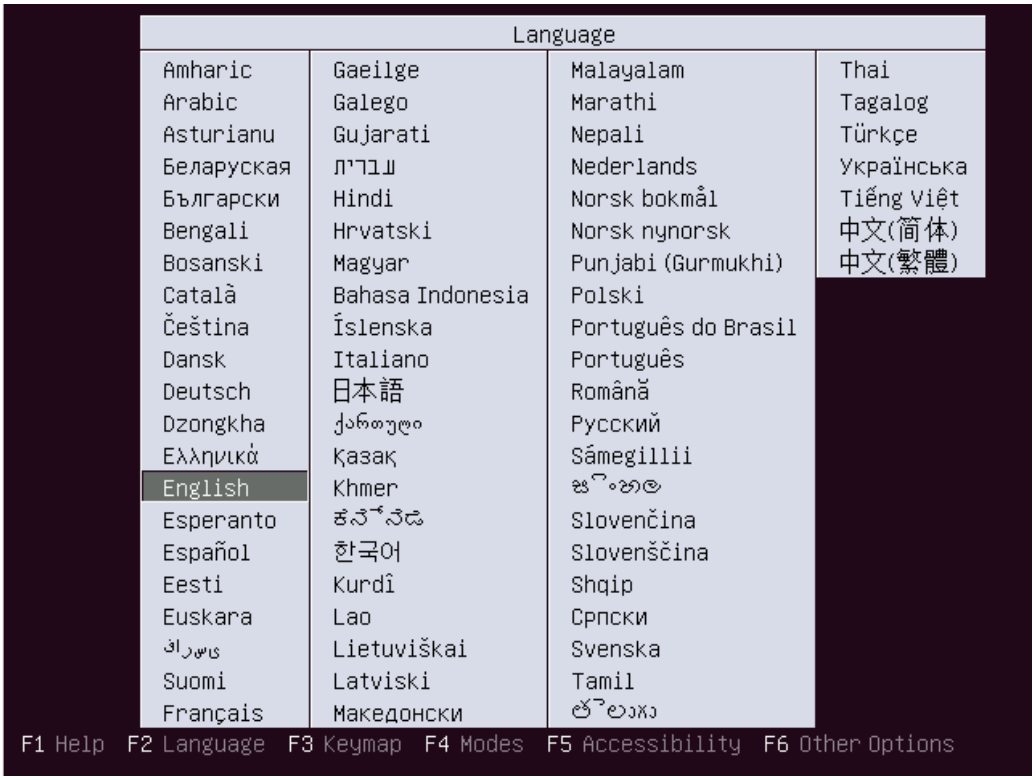
Red indicates an error message. Brown indicates a warning message. Green indicates the correct information.

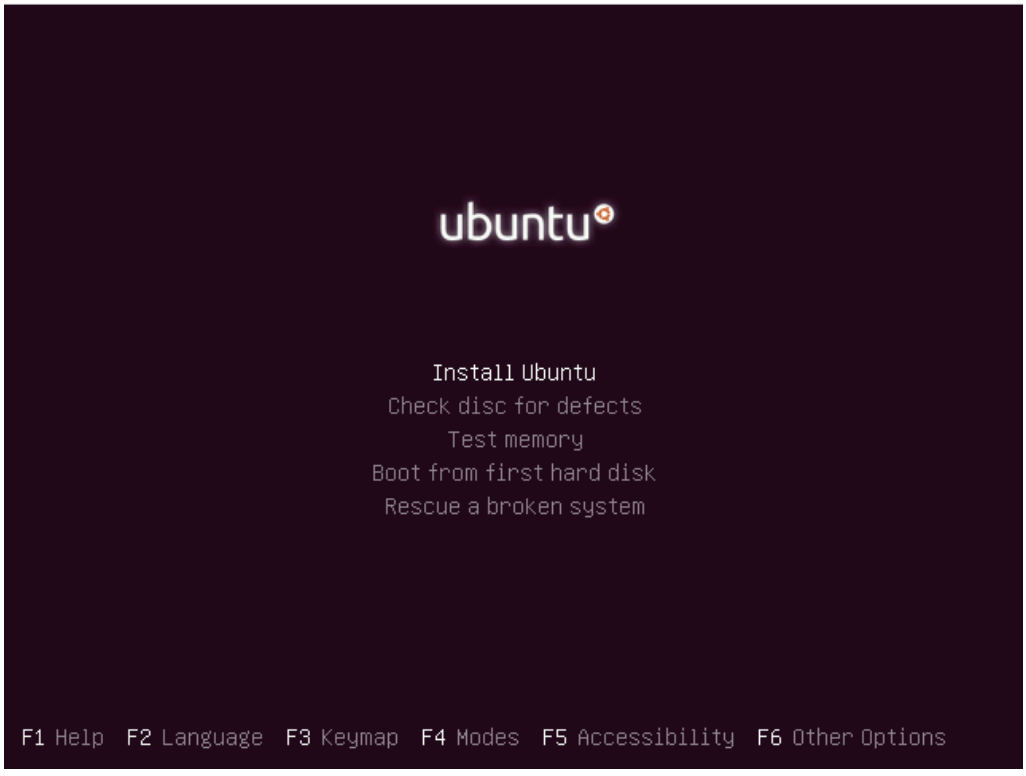
5.4 Install Linux System

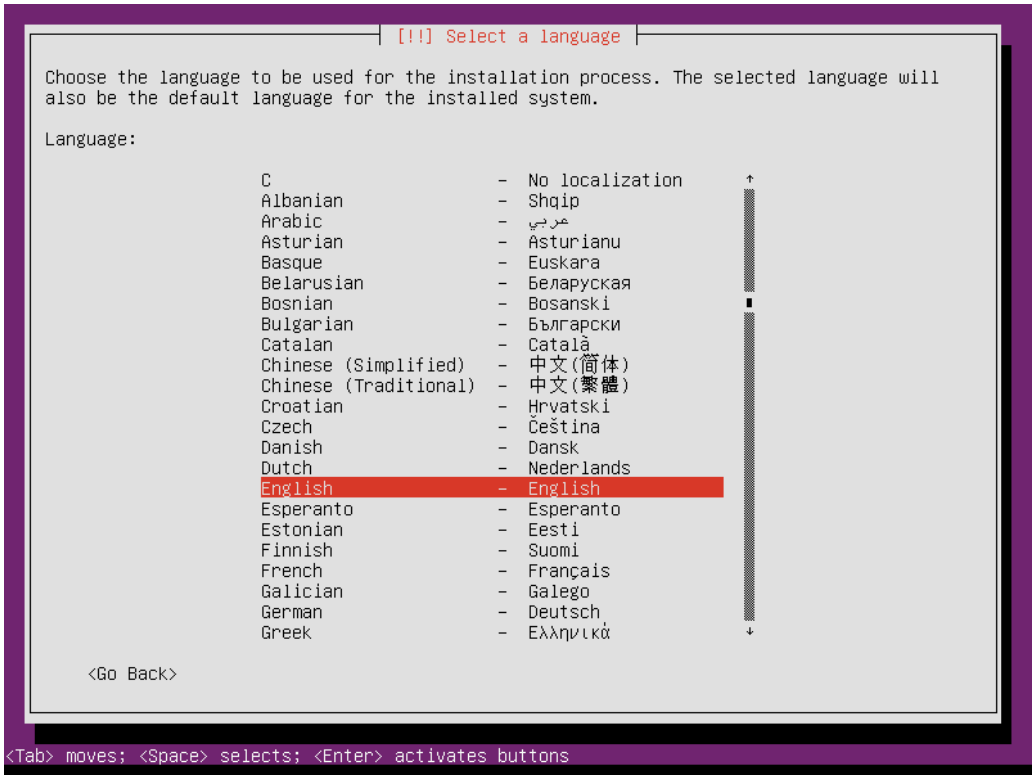
Boot the PC entering the BIOS menu, set the First Boot to CD-ROM.

Insert the system installation disk and reboot the PC.

According to the notice, install the system with a few operations.


Language
Amharic
Arabic
Asturianu
Беларуская
Български
Bengali
Bosanski
Català
Čeština
Dansk
Deutsch
Dzongkha
Ελληνικά
English
Esperanto
Español
Eesti
Euskara
فارسی
Suomi
Français
Gaeilge
Galego
Gujarati
עברית
Hindi
Hrvatski
Magyar
Bahasa Indonesia
Íslenska
Italiano
日本語
ქართული
Қазақ
Khmer
ಕನ್ನಡ
한국어
Kurdî
Lao
Lietuviškai
Latviski
Македонски
Malayalam
Marathi
Nepali
Nederlands
Norsk bokmål
Norsk nynorsk
Punjabi (Gurmukhi)
Polski
Português do Brasil
Português
Română
Русский
Sámegillii
සිංහල
Slovenčina
Slovenščina
Shqip
Српски
Svenska
Tamil
తెలుగు
Thai
Tagalog
Türkçe
Українська
Tiếng Việt
中文(简体)
中文(繁體)
F1 Help F2 Language F3 Keymap F4 Modes F5 Accessibility F6 Other Options


ubuntu
Install Ubuntu
Check disc for defects
Test memory
Boot from first hard disk
Rescue a broken system
F1 Help F2 Language F3 Keymap F4 Modes F5 Accessibility F6 Other Options



When it is finished, the PVPlayer will be launched with full screen on system startup.

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2016 – 03