

Wireless Presentation System

User's Manual

(Model Name:WPS-820A)

Version: 3.0
Date: Feb. 08, 2010

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1. Overview

WPS is a must-have device for your meeting room! It turns your existing "wired" projector into a "high-end wireless" projector. With the revolutionary Plug-and-Show, 4-to-1 split screen and PDA wireless projection features, WPS makes every of your presentation and meeting efficient and successful.

■ Plug & Show

With the accompanied Plug & Show USB Token, wireless presentation becomes easy! Just link your PC/Laptop to WPS (through WLAN or Ethernet), plug the token into a USB port, and in seconds, your screen will be wireless projected to the connected projector!

■ 4-to-1 Split Screen Projection

With this 4-to-1 split screen feature, up to four PC screens can be projected to one projector in the same time. Thus you can easily do side-by-side comparison from four PC / PDAs to increase meeting productivity!

■ PDA wireless Projection

You don't have to bring the laptop for business presentation anymore. Just connect your PDA phone to WPS through WiFi, and start your professional and stylish presentation right away!

■ Conference control

WPS supports Conference Control function for easily moderating the conference. The conference moderator can control projection from connected PCs through a web-based control page. So you can streamline your meeting/presentation to be more fluent and in order.

■ Magnifier feature

WPS supports Magnifier feature for codec-free video clips watching experience. By drag and drop the video into magnifier capture region, you will be able to watch the video on big screen with best experience.

■ Macintosh(Mac) wireless Projection

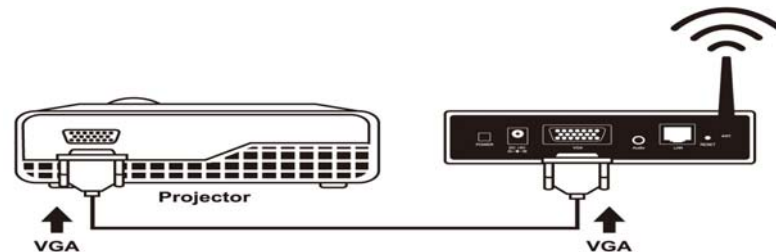
WPS supports Mac client connected and projected wirelessly. By launching the Mac client software that stored in accompanied USB token, WPS provide the same experience to Mac user to utilize the wireless presentation feature.

➤ **Features**

- Support Windows 7, Vista, XP, 2000 and Mobile 5/6
- Support Macintosh(Mac) version 10.4 and above.
- Plug and Show! No installation required ... just plug in the accompanied token to a USB port, and hassle free presentation can be started in seconds.
- 4-to-1 split screen projection! Turn one projector into four, increase meeting productivity right away.
- PDA wireless projection! PC-less stylish presentation becomes possible!
- Conference control! Allows moderators to streamline grand meetings.
- Provide session security login, wireless WEP/WPA key and Gatekeeper function to protect presentation contents and keep good security to office networks.
- Provide magnifier feature to enlarge small video region to playback with full screen.
- Provide media playback feature, support music and video streaming.

2.Quick Start

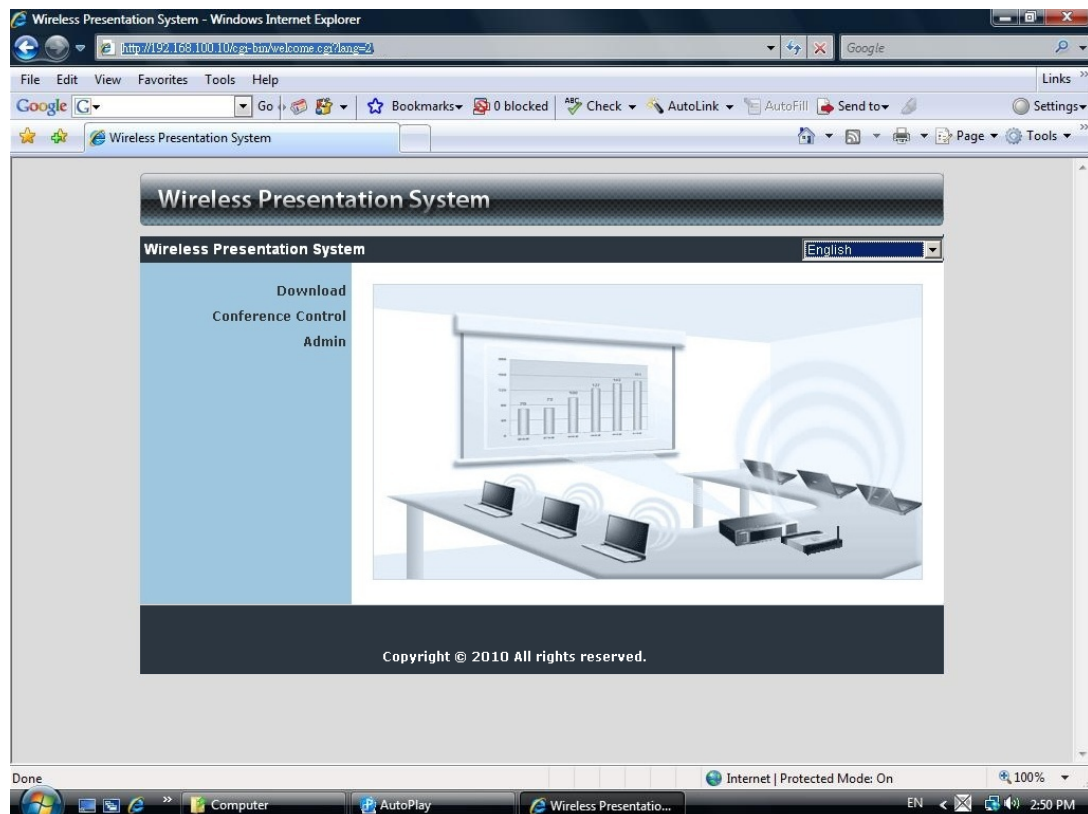
- 1) Connect projector VGA cable to WPS box VGA connector and turn on projector power.



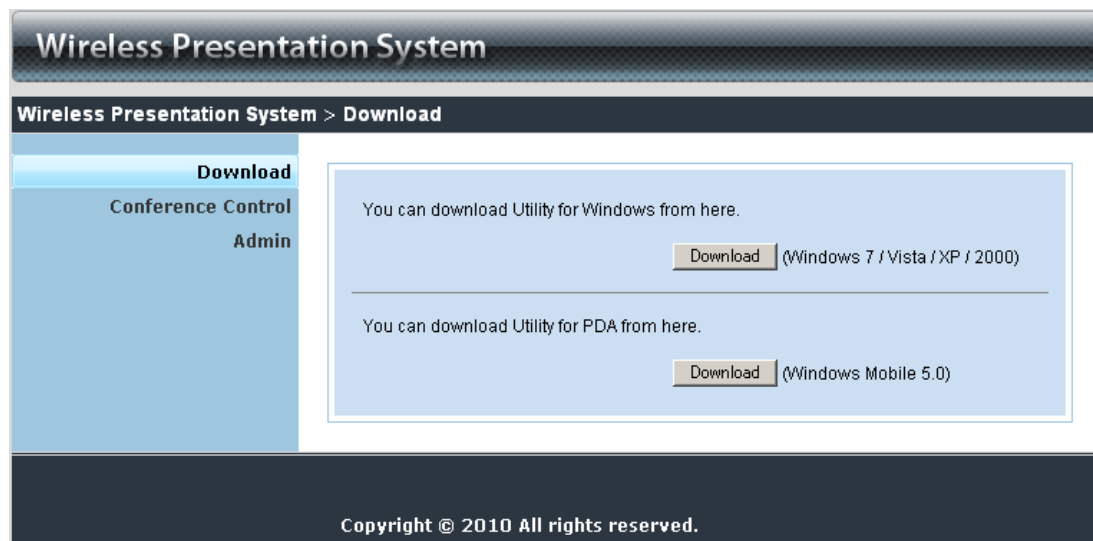
- 2) Turn on WPS box.
 - ◆ When Projector shows the default menu on the screen as below, it indicates the WPS box is ready now.



- 3) Make sure your PC WLAN is enabled already, and connect your PC with WPS box.
- 4) Open your browser and it will redirect to WPS main page automatically, or you can enter the IP address to access the WPS web home page.
 - ◆ The default IP address of WPS is **192.168.100.10** or refers to the IP address shown on the left corner of projector screen.



- 5) Download the client software. Please select the " Windows 7 / Vista / XP / 2000" or "Windows Mobile 5.0" and execute the installation program.
 - ◆ After installing the program, you will see the WPS shortcut on the PC screen.





6) Make sure your personal firewall allows WPS software to pass through.

7) Enter the **LOGIN CODE** and

- ◆ You can see the login code on the projector screen



8) Click the **"Play"** button to start projection!



3.Windows Client Utility

3.1 Starting Program

After you download WPS Windows program via web page successfully, then follow below steps to start.

- 1) Click WPS icon to execute the program.



- 2) Program start to search for WPS box automatically,
- 3) If WPS box founded then "**Login Code**" dialog box will be pop up on the PC screen.

- **Searching for WPS box**



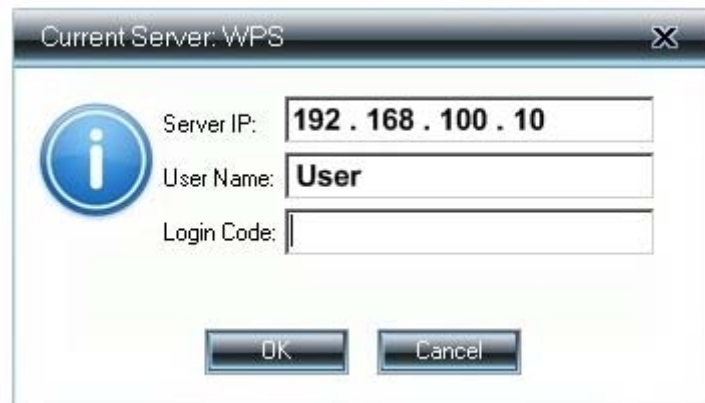
- **WPS box is founded and enter login code to start.**

The image shows a dialog box titled "Current Server: WPS". It has a light blue header bar. On the left, there is a blue circular icon with a white 'i'. To the right of the icon, there are three input fields: "Server IP:" with the value "192 . 168 . 100 . 10", "User Name:" with the value "User", and "Login Code:" which is empty. At the bottom, there are two buttons: "OK" and "Cancel".

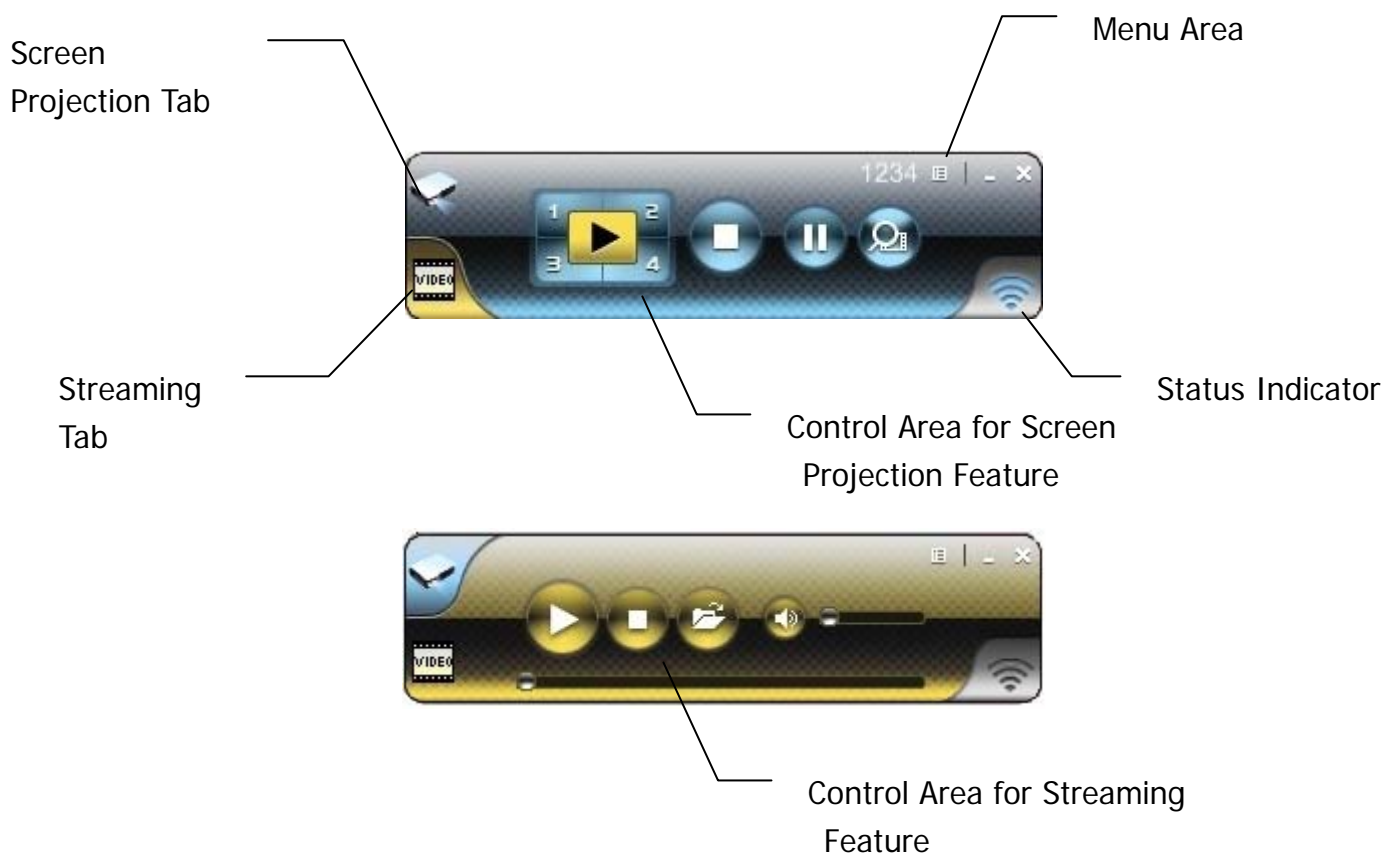
Current Server: WPS	
Server IP:	192 . 168 . 100 . 10
User Name:	User
Login Code:	
<div>OK Cancel</div>	

3.2 Login

- 1) After "Login Code" dialog box shown, enter login code to start presentation.
- 2) You can see the login code shown on the projector screen.










3.3 Main User Interface



3.4 Screen Projection


Click the “Play” button for full or split screen, you can project the main screen on to the display immediately, click the “Pause” button, you can freeze you projection screen, and click the “Stop” button to stop projecting your screen.



Button	Description
	Full Screen projection
	Project to Split #1
	Project to Split #2
	Project to Split #3
	Project to Split #4
	Stop projecting
	Pause projecting

3.5 Magnifier Feature



Click  to enable the magnifier feature. System will enlarge and playback the image within the red rectangle to full screen in higher frame rate.

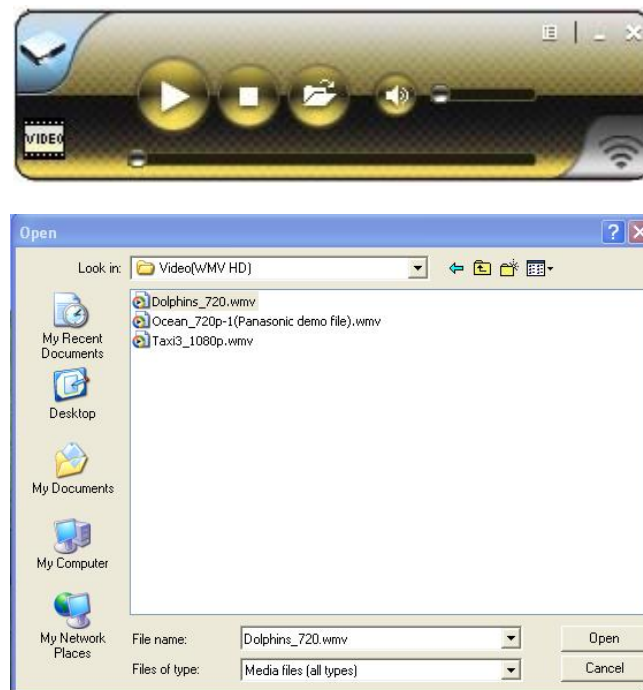
Ps1. To enable this feature, you need to install Magnifier component first which is stored in the USB token.

Ps2. You need to draw and resize the video size to fit into this rectangle.





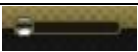



3.6 Video/Music streaming Feature

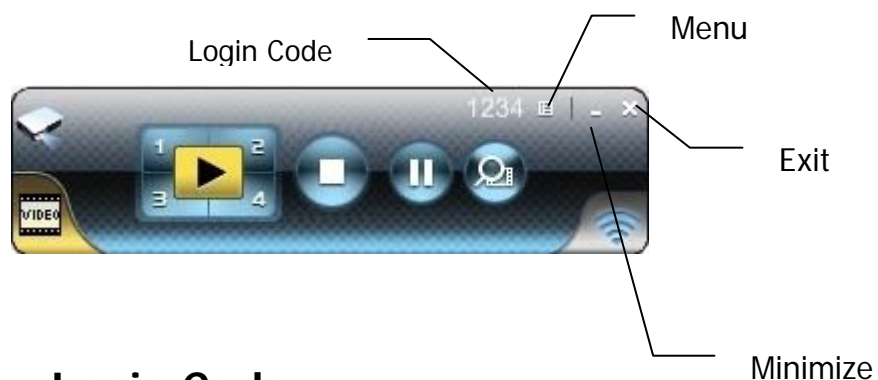
Click the “Video Tab” to switch to Video Mode, choose a video/audio file, then it will stream the original file to playback on the screen.



* Supported Video/Audio Format: MPEG1/2, DivX(3.4.5), XviD(MPEG4), WMV9, MP3, WMA

Button	Description
	Start Playing Video/Music
	Stop Playing Video/Music
	Open Video/Music File
	Mute
	Volume Level
	Progress Bar

3.7 Menu Description




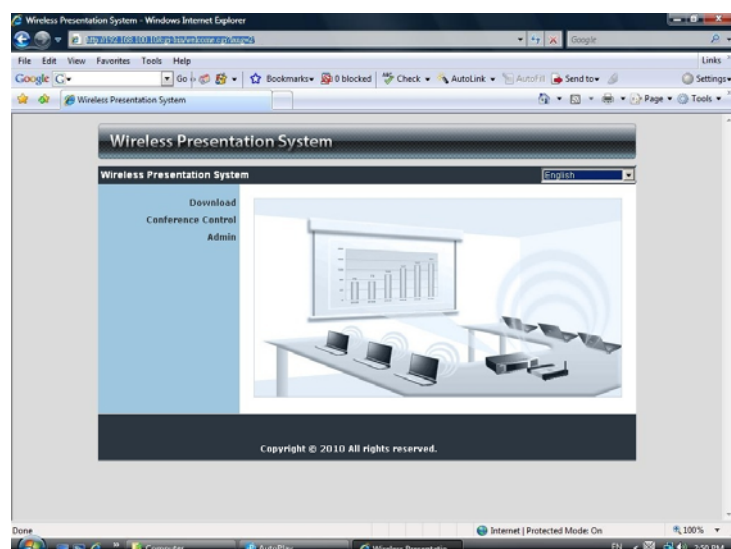
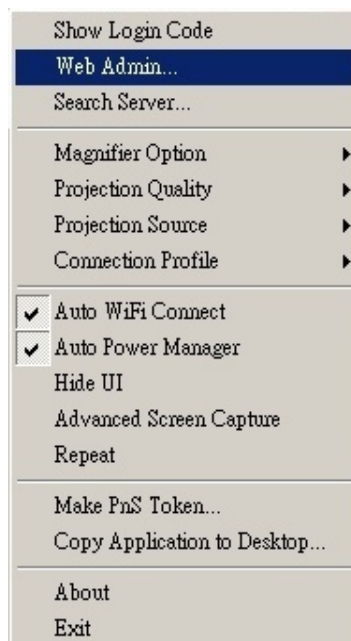
3.7.1 Show Login Code

Click "Show Login Code", it will display the login code on the right-upper of desktop and close it automatically after 10 seconds. You can also click on the area to close this window manually.



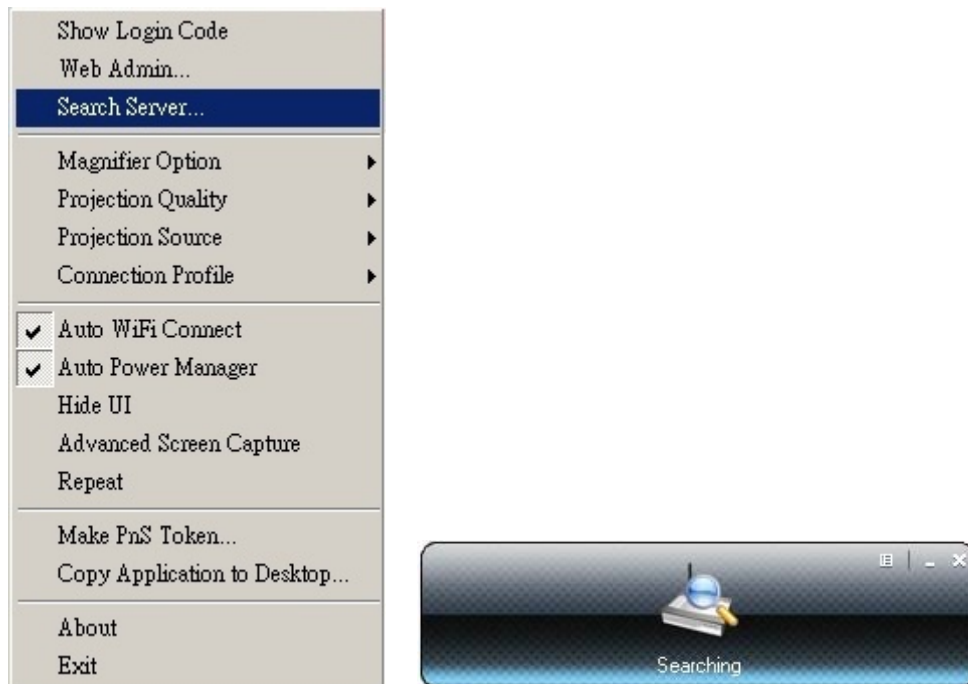
3.7.2 Open Admin Web Page

Click  to open function menu and select **"Web Admin"** management web page. The web page detailed functions will be described on next chapter.



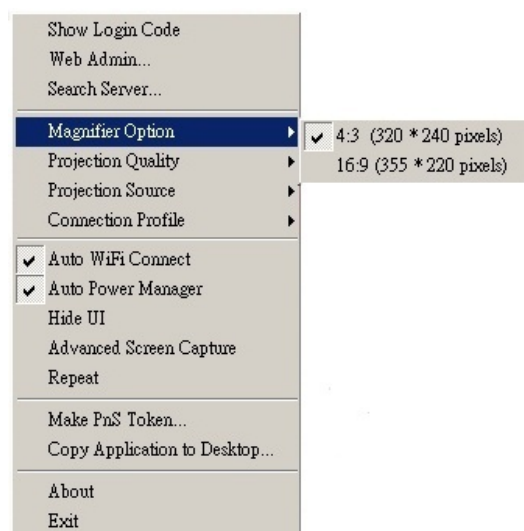
3.7.3 Searching Server

Click “**Search Server**” to re-search the WPS again.



3.7.4 Magnifier Option

Click “Magnifier option” to change the aspect ratio of captured video region with magnifier feature.





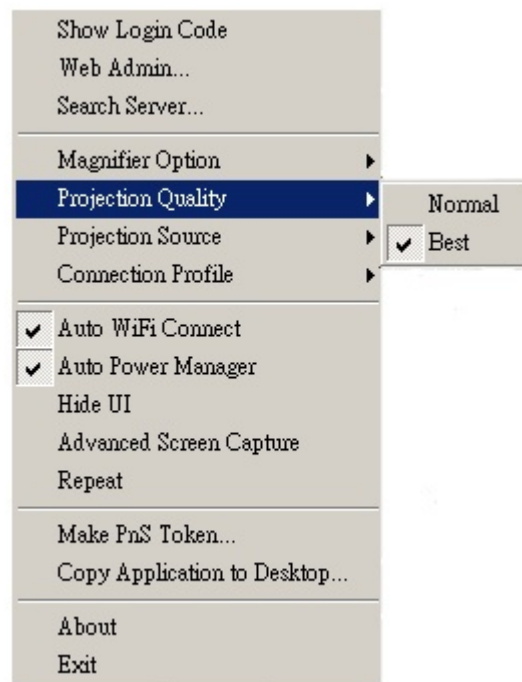
4:3 (320x240 pixels)



16:9 (355x220 pixels)

3.7.5 Projection Quality

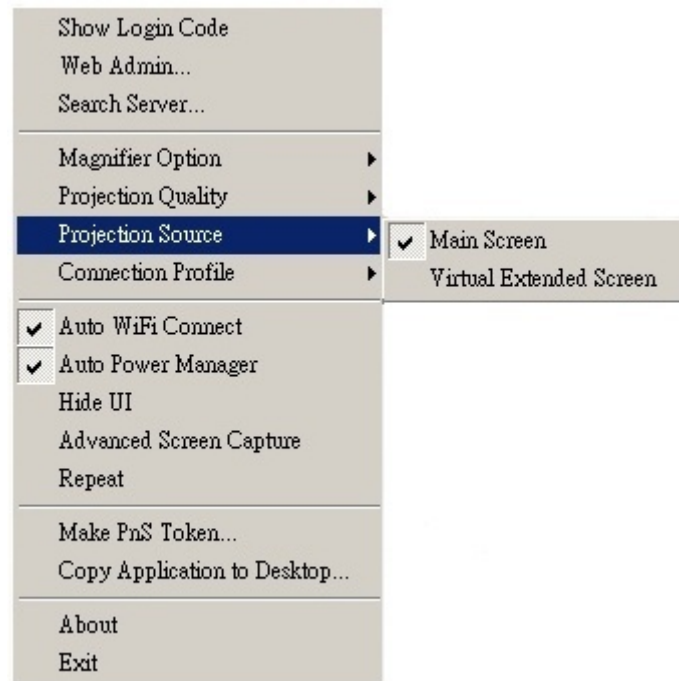
Click the "Projection Quality", choose "Normal" for faster projection speed with lower screen image quality, and "Best" for clear screen image quality but slower projection speed.



3.7.6 Projection Source

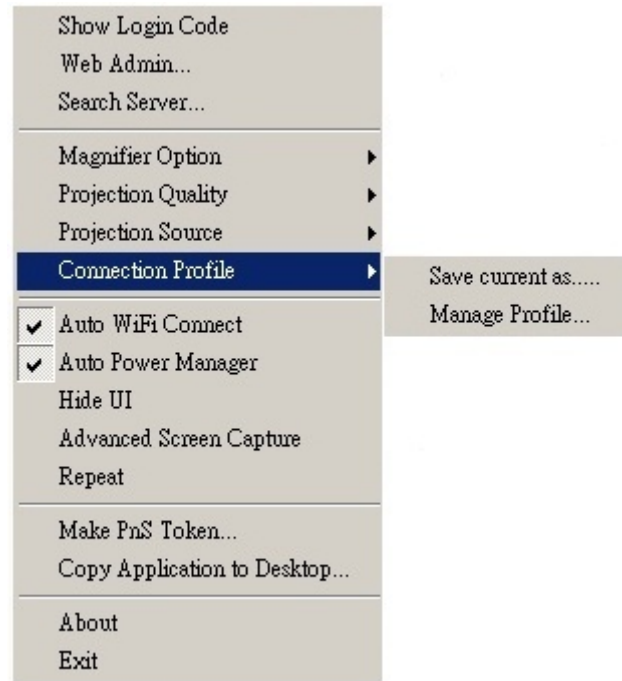
Click the "Projection Source", you can select to project the main screen of desktop or the virtual extended screen.

PS. This function is only supported on Windows XP and need to install another virtual display driver first.

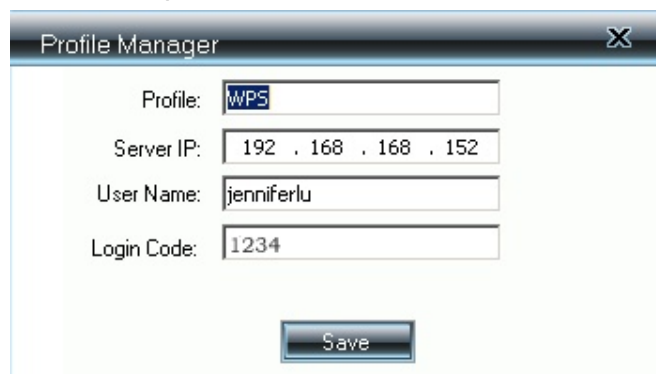


3.7.7 Connection Profile

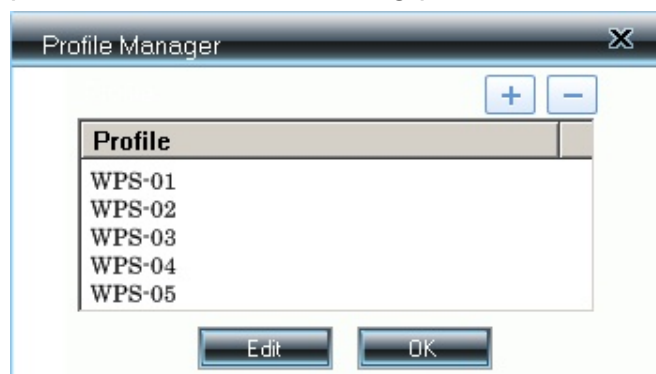
Click "Profile Manager", you can click "save current as" to save current connection configuration into Profile, or click the "Profile Manager" to add, delete or modify current profiles.



- Save Current as
Click the "Save current as", it will save your current connection into profile for future quick connect.

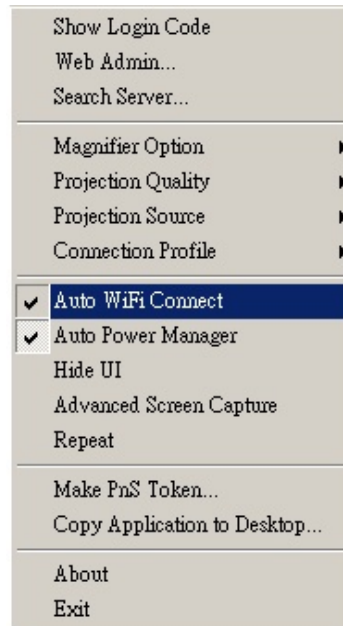


- Manage Profile
Click the "Manage Profile", you can see current profile, add or delete the profile, and edit the existing profile.



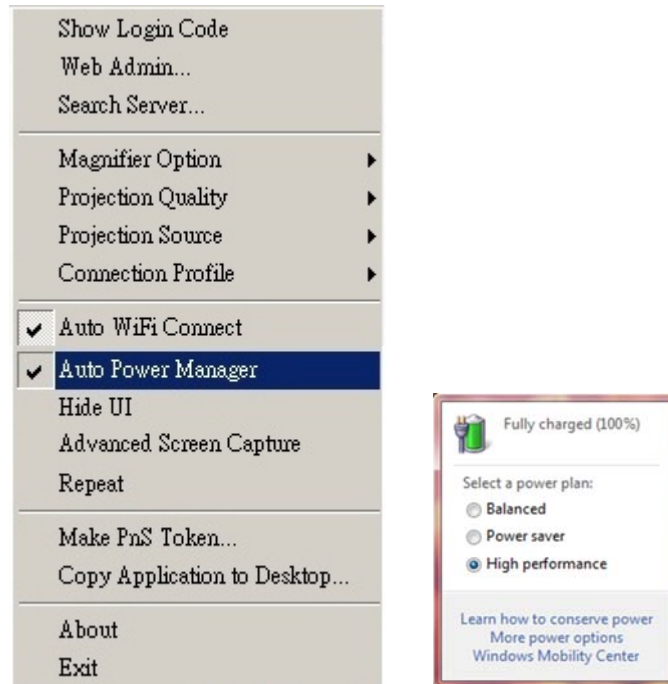
3.7.8 Auto WiFi connect

Click "Auto WiFi Connect" to enable the AWZC function, this function can save the WiFi connection steps.



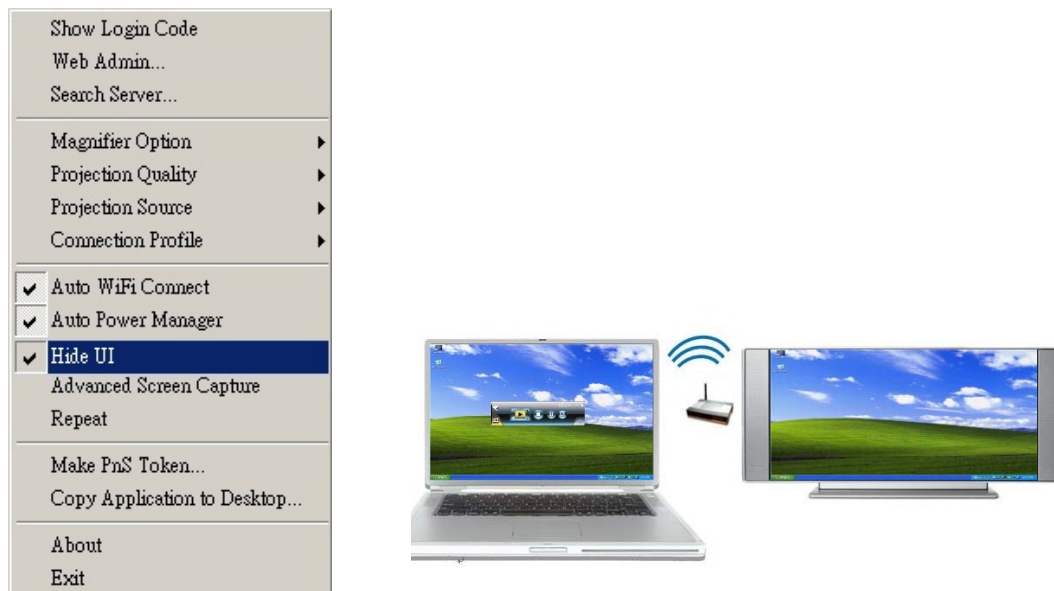
3.7.9 Auto Power Manager

To make the highest projection performance, application will turn the PC's windows power scheme from current settings to "highest performance", however, you can click the "Auto Power Manager" to enable or disable this function and restore you power scheme immediately.



3.7.10 Hide UI

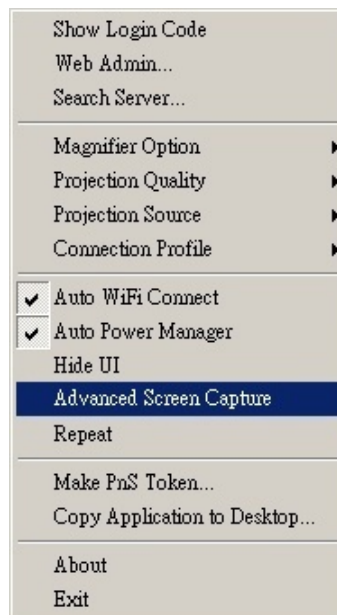
Click the “Hide UI”, you can choose to hide or display the application control panel from projection screen.



3.7.11 Advanced Screen Capture

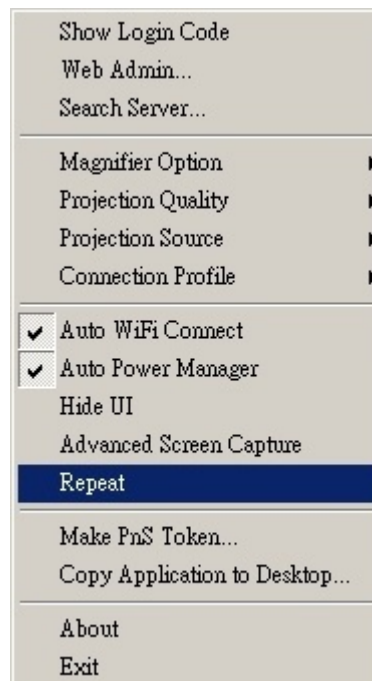
Click the “Advanced Screen Capture”, you will be able to see tip windows and other layered windows (include the main UI) on the connected display.

However, the mouse cursor may blink from time to time when you are projecting your PC screen!



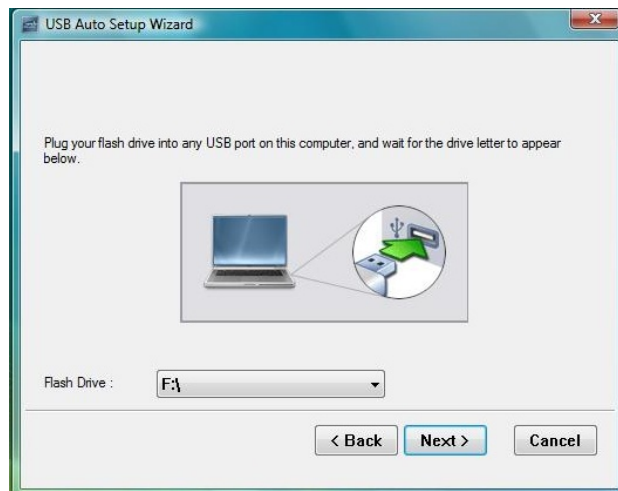
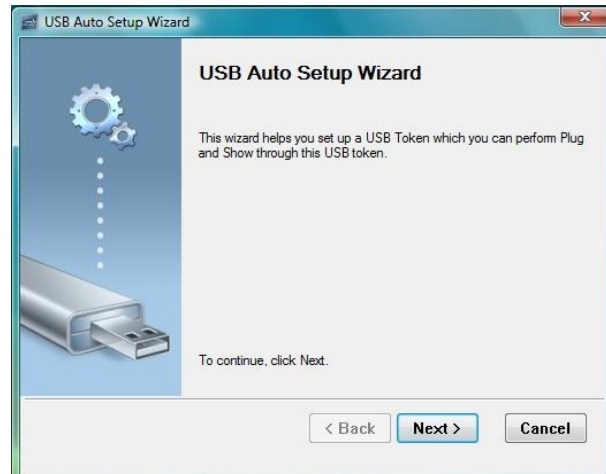
3.7.12 Repeat

Click the" Repeat", you can choose to playback current video/audio file repeat or not.



3.7.13 Make PnS Token

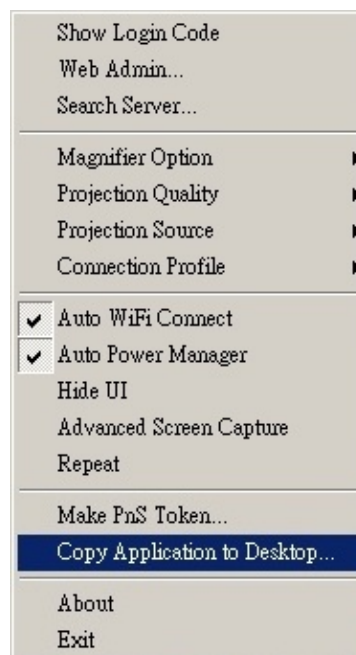
Click "Make PnS Token" to make a USB WPS Token, you can insert a USB thumb drive and follows the wizard to make the Token.





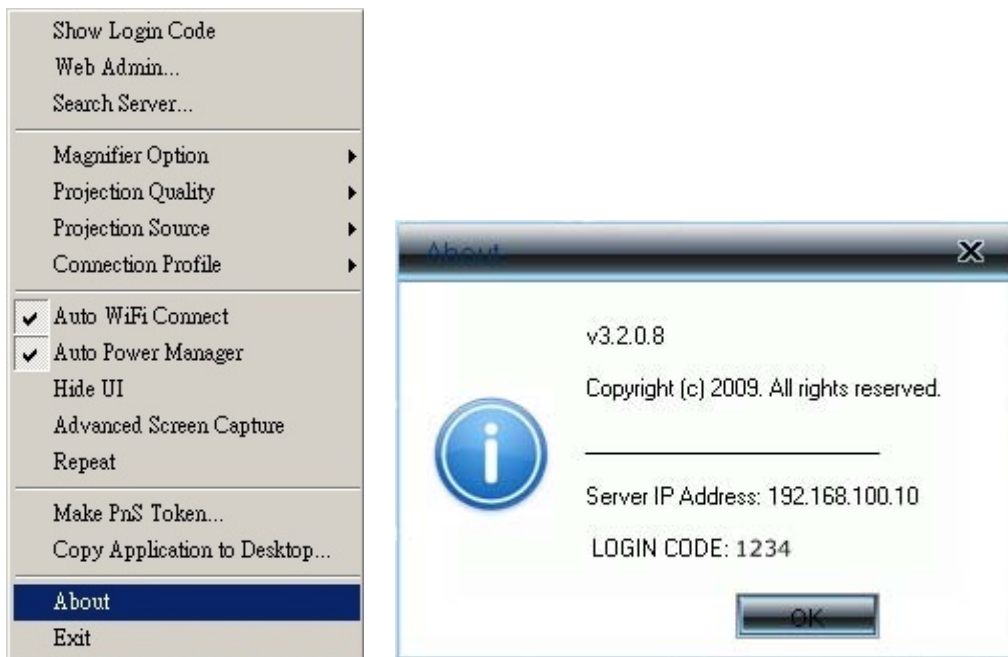
3.7.14 Copy Application to desktop

Click the "Copy Application to desktop"; it will copy the application to your desktop immediately even you don't have the system privilege



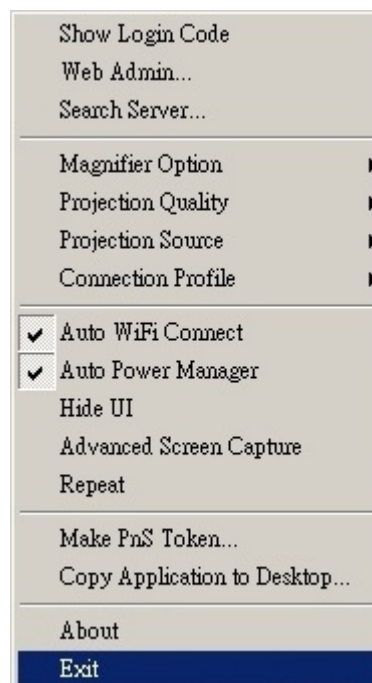
3.7.15 About

Click "**About**" to show system information. It includes Client version, IP address and other information.



3.7.16 Exit

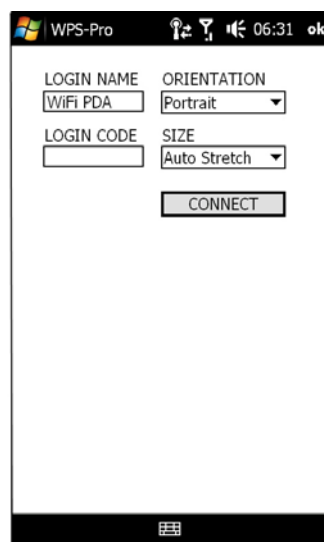
Click "**Exit**" to exit this application. It will stop current playing status and close the application immediate.



4.WPS for PDA

To project your PDA screen with WPS, please follow the steps:

- 1) Enable your WiFi and connect to WPS.
- 2) Open the browser on your PDA and enter the IP address to download WPS Client software for PDA version.
 - ◆ The default IP address is 192.168.100.10.
 - ◆ Or, refer to the IP address which shown on the projector screen.
- 3) Install WPS client software.
- 4) Launch WPS software and enter the login code.



- 5) Start Projection.



5. Mac Client Utility

5.1 Launch Application

- 1) Enable your WiFi and connect to WPS device.
- 2) Execute WPS client software for Mac.



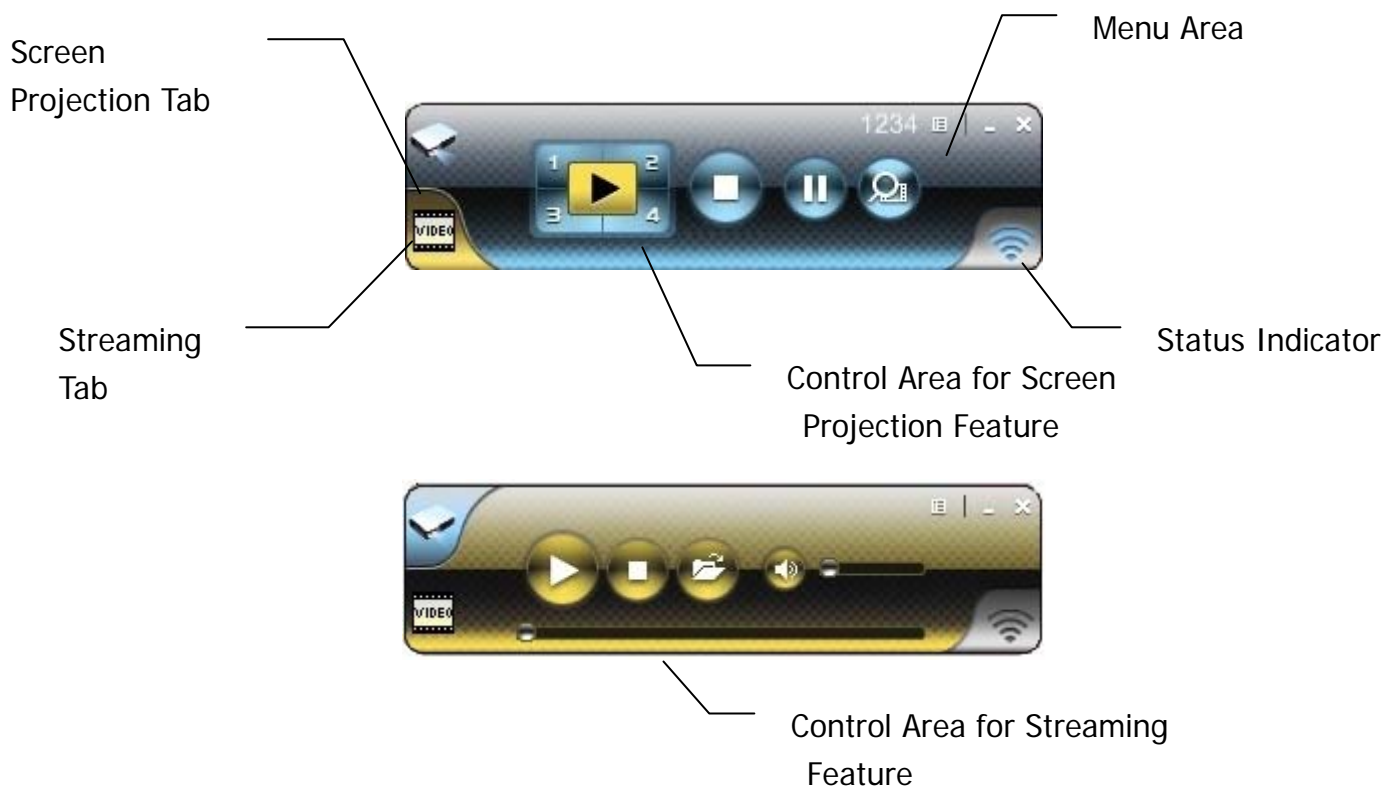
- 3) Launch WPS software and enter the login code.



- 4) Start Projection.



5.2 Main User Interface



5.3 Screen Projection

Click the "Play" button for full or split screen, you can project the main screen on to the display immediately, click the "Pause" button, you can freeze you

projection screen, and click the “Stop” button to stop projecting your screen.

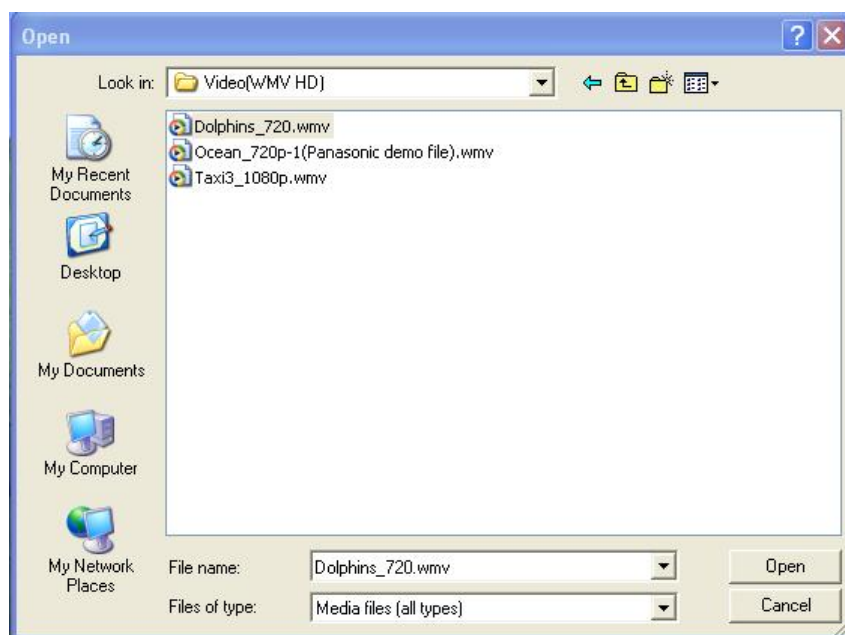


Button	Description
	Full Screen projection
	Project to Split #1
	Project to Split #2
	Project to Split #3
	Project to Split #4
	Stop projecting
	Pause projecting
	Magnifier







5.4 Video/Music streaming Feature

Click the “Video Tab” to switch to Video Mode, choose a video/audio file, then it will stream the original file to playback on the screen.





* Supported Video/Audio Format: MPEG1/2, DivX(3.4.5), XviD(MPEG4), WMV9, MP3, WMA

Button	Description
	Start Playing Video/Music
	Stop Playing Video/Music
	Open Video/Music File
	Mute
	Volume Level
	Progress Bar

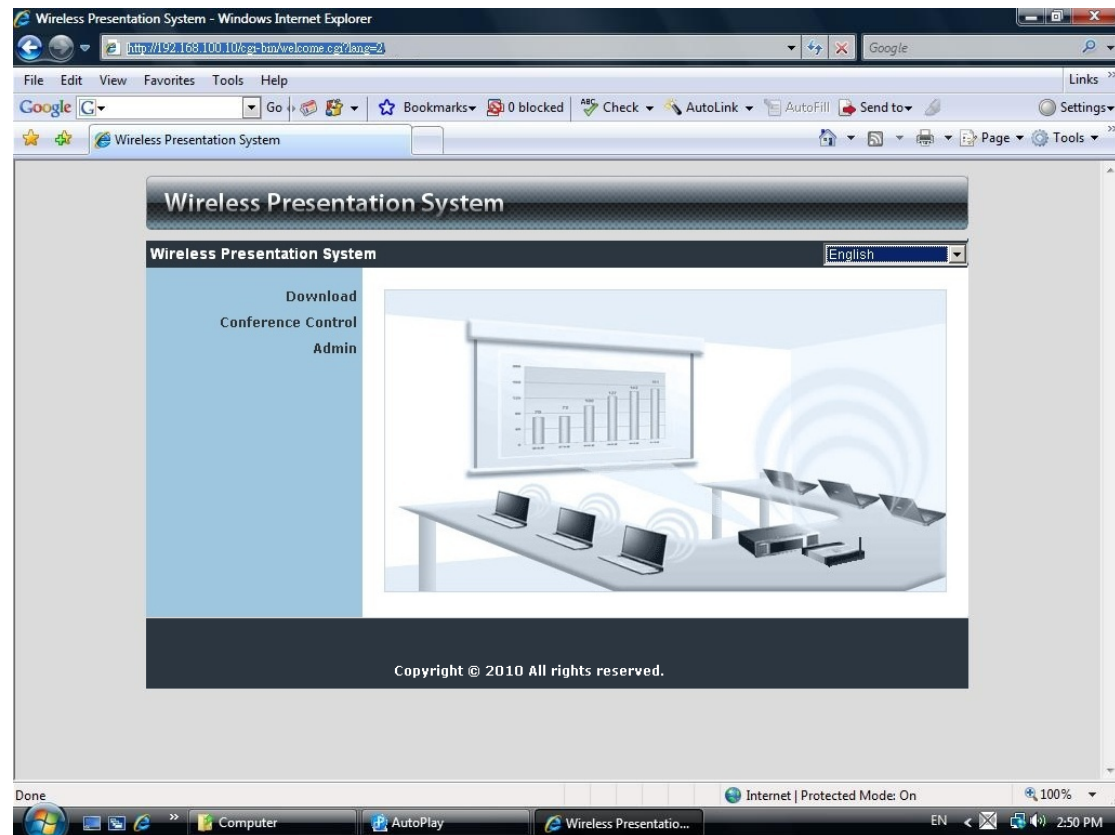
6.Web Management

6.1 Home Page

1. Make sure your PC connect to WPS box successfully.
2. Open your browser, it will enter WPS home page automatically.
3. If not, enter your IP address on the browser, you can see the IP on the

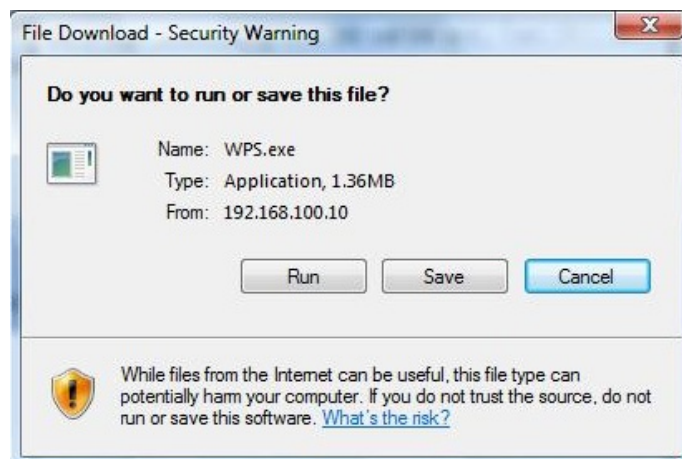
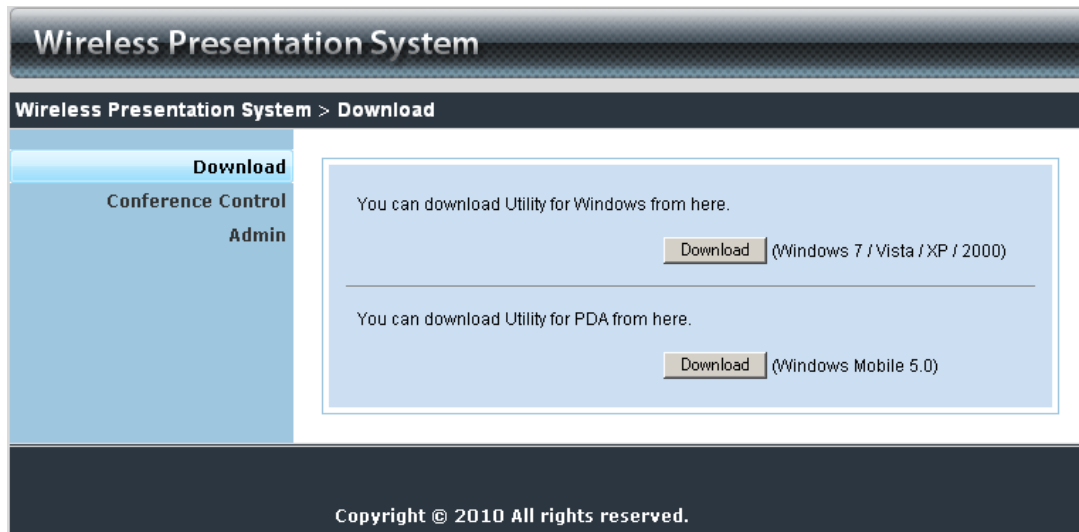
projector screen.

4. The default IP is 192.168.100.10



6.2 Download Software







1. Select "Download software" function.
2. Please select the "Windows 7/ Vista / XP / 2000" or "Windows Mobile 5.0" and execute the installation program.
3. Follow Installation Wizard instructions to proceed till the installation process complete.
4. If pop up "**Windows Security Alert**" because Windows firewall block this program. You just press "**Unblock**" button to continue installation.
5. Once installation complete, a utility shortcut come out on the screen.



6.3 Conference Control

- 1) This function allows you to host a meeting smoothly without projector cable swapping and each participant can show their presentation easily.
- 2) Select "**Conference Control**" function.
- 3) Enter password, the default value is "trainer", and then press [Login].



- 4) After login, you can see a User List on the screen which indicates all of users connected to WPS box.
- 5) There are three columns, "**Computer Name**", "**Play Control**" and "**IP Address**".
- 6) Play Control › There are six buttons, including Play(Full) , Play Split #1 , Play Split #2 , Play Split #3 , Play Split #4  and Stop .
- 7) User List

Wireless Presentation System			
Wireless Presentation System > Conference Control			
Conference Control	Computer Name	Play Control	IP Address
	eunicewu	 1 2 3 4 	192.168.100.12
	sandrahsieh	 1 2 3 4 	192.168.100.13
	simon_huang	 1 2 3 4 	192.168.100.14
	howardling	 1 2 3 4 	192.168.100.15
	Jenniferlu	 1 2 3 4 	192.168.100.16
	ashleychuang	 1 2 3 4 	192.168.100.17
	firmanwu	 1 2 3 4 	192.168.100.18
	ptchou	 1 2 3 4 	192.168.100.19

6.4 Login Web Admin

Wireless Presentation System	
Wireless Presentation System > Admin	
Download Conference Control Admin	<div> User Name admin Password <input type="password"/> <input type="button" value="Login"/> </div>
Copyright © 2010 All rights reserved.	

1. Click [**Admin**] and then enter password to login web page.
2. The password default value is "admin".

6.4.1 System Status

The screenshot shows the 'Wireless Presentation System' management interface. The breadcrumb trail is 'Wireless Presentation System > Management > System Status'. A 'Logout' link is in the top right. On the left is a sidebar menu with options: System Status (selected), Network Setup, Projection Setup, Change Passwords, Reset to Default, Firmware Upgrade, and Reboot System (with a red power icon). The main content area displays system information in a table-like format:

Model Name	WPS-VideoPro
Versions	
Firmware Version	3.2.3.4
Network Status	
IP Address	192.168.168.112
Subnet Mask	255.255.255.0
Default Gateway	192.168.168.251
Wireless MAC Address	00:22:5F:0D:62:10
Wired MAC Address	00:12:5F:00:4D:2A
Connection Status	
Projecting Status	Waiting for Projecting
Total Users	0

At the bottom of the interface, it says 'Copyright © 2010 All rights reserved.'

Click **[System Status]**, shows current system status.

Model Name: Product model name

Versions:

1. **Firmware version no.:** Product firmware version number.

Network Status:

1. **IP address :** IP address of WPS device.
2. **Subnet Mask :** subnet mask
3. **Default Gateway :** default gateway
4. **Wireless MAC address :** wireless MAC address
5. **Wire MAC address :** wire MAC address

Connection Status:

1. **Projecting status:** which is "Waiting for projecting" or "Projecting"
2. **Total Users:** It shows how many users login into WPS box.

6.4.2 Network Setup

There are many kinds of operating configurations as below.

Wireless Presentation System

Wireless Presentation System > Management > Network Setup

Logout »

System Status

Network Setup

Projection Setup

Change Passwords

Reset to Default

Firmware Upgrade

Reboot System

☒ Obtain an IP address automatically
☐ Use the following IP address

IP Address

192 . 168 . 100 . 10

Subnet Mask

255 . 255 . 255 . 0

Default Gateway

192 . 168 . 100 . 10

DNS Server

192 . 168 . 100 . 10

☒ Auto
☐ Disable

Start IP

192 . 168 . 100 . 11

End IP

192 . 168 . 100 . 254

Subnet Mask

255 . 255 . 255 . 0

Default Gateway

192 . 168 . 100 . 10

DNS Server

192 . 168 . 100 . 10

Wireless LAN

☒ Enable
☐ Disable

Region

---- WORLDWIDE ----

SSID

WPS

SSID Broadcast

☒ Enable
☐ Disable

Channel

Auto

Encryption

Disable

Key

GateKeeper

☐ All Pass
☒ All Block
☐ Internet Only

Apply

Cancel

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< Auto-Configuration Network Setup>

The default setting of the WPS box is DHCP client. When the WPS box is connected to a LAN that already has a DHCP server present, the WPS box takes an IP address assigned to it by the server. When the WPS box is connected to a LAN that does not have a DHCP server, the WPS box becomes the DHCP server in the network.

< IP Setup>

- ◆ You can select "obtain IP address automatically" or "Use the following IP address"
- ◆ IP Address: The default value is 192.168.100.10.
- ◆ Subnet Mask: The default value is 255.255.255.0
- ◆ Default Gateway: The default value is 192.168.100.10
- ◆ DNS Server: The default value is 192.168.100.10

<DHCP Server Setup>

- ◆ You can select "auto(Enable/Disable DHCP Server" or "Disable")

34

- ◆ Start IP: The start IP address of DHCP Server.
- ◆ End IP: The end IP address of DHCP Server
- ◆ Subnet Mask: The default value is 255.255.255.0
- ◆ Default Gateway: The default value is 192.168.100.10
- ◆ DNS Server: The default value is 192.168.100.10

< Wireless Setup>

- ◆ Wireless LAN: The default value is "Enable"
- ◆ Region: default value is "Worldwide".
- ◆ SSID: SSID string, max. Length is 32 bytes.
- ◆ SSID Broadcast: The default value is "Enable"
- ◆ Channel: to set fixed channel or Auto. The "Auto" means after power on WPS, it will scan all of wireless channel and select clear one channel automatically.
- ◆ Encryption: you can select "Disable" or one of WEP/WPA/WPA2 64bit or 128bit in ASCII or HEX string.
- ◆ Key: If Encryption is enabled, you have to set key value according to the encryption mode you selected.

< Gatekeeper>

Gatekeeper is designed for ensuring the enterprise network security within WPS box

- ◆ All Block can block Guest Users(through wireless) to access all office network(LAN),
- ◆ All Allow can pass Guest Users(through wireless) to access all office network
- ◆ Internet Only can block Guest Users (through wireless) from office network (LAN) but still reserve internet connection capability.

<Apply >: press button to select this mode

<Cancel>: press button to abort action.

<Back>: Back to Operating mode main menu

6.4.3 Projection Setup

Click [**Projection Setup**] button

- ◆ **<Resolution>**: 1024x768, 1280x768 and 800x600.
- ◆ **<Color Depth>**: provide WPS output with 16bit or 32 bit color depth. It depends on your PC settings.
- ◆ **<Screen Refresh Rate>**: This is VGA output refresh rate, provides 60 Hz and 75Hz to suit for different kinds of projectors.
- ◆ **<Login Code>**: You can select "Disable", "Random", or "Use the following code" to set a specified 4-characters Number.
- ◆ **<Apply>** : Confirmation and Save modifications
- ◆ **<Cancel>**: Cancel all the modifications

6.4.4 Change Passwords

The screenshot shows the 'Wireless Presentation System' web interface. The breadcrumb trail is 'Wireless Presentation System > Admin > Change Passwords'. A 'Logout »' link is in the top right. On the left sidebar, the 'Change Passwords' menu item is highlighted. The main content area contains two sections: 'Conference Control' and 'Admin'. Each section has a table with two input fields for 'Enter New Password' and 'Confirm New Password', followed by an 'Apply' button. The footer contains the text 'Copyright © 2010 All rights reserved.'

Click **[Change Password]** button, to change password value.

- ◆ **<Enter New Password>**: enter new password you want to change for each category.
- ◆ **<Confirm New Password>**: double confirm new password.
- ◆ **<Apply>**: Confirmation and Save modifications.

6.4.5 Reset to Default

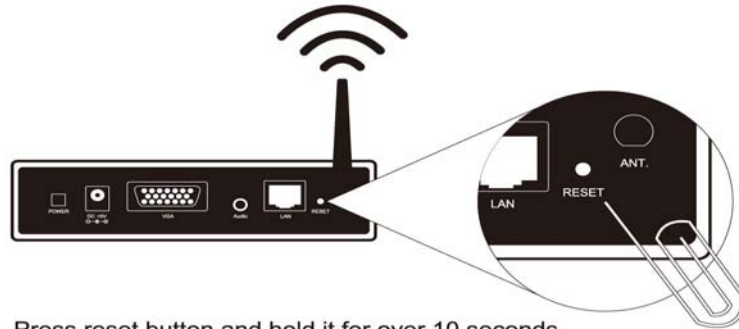
The screenshot shows the 'Wireless Presentation System' web interface. The breadcrumb trail is 'Wireless Presentation System > Management > Reset to Default'. A 'Logout »' link is in the top right. On the left sidebar, the 'Reset to Default' menu item is highlighted. The main content area features a yellow warning triangle icon, the title 'Reset to Default', and the text 'This will restore the device to the factory default settings.' Below this is an 'Apply' button. The footer contains the text 'Copyright © 2010 All rights reserved.'

Click **[Reset to Default]** button to restore factory default settings.

<Apply>: Confirmation and action.

*** Another way to restore Factory Default Settings, Follow below procedures.

1. Press **[Reset]** button and **Hold**.
2. Turn on WPS box.
3. Wait for over 10 seconds and relief **[Reset]** button.
4. It will take effect to restore factory default settings.



Press reset button and hold it for over 10 seconds.

6.4.6 Firmware Upgrade

Wireless Presentation System

Wireless Presentation System > Management > Firmware Upgrade

Logout »

System Status

Network Setup

Projection Setup

Change Passwords

Reset to Default

Firmware Upgrade

Reboot System

Wireless Firmware Version	3.2.3.4
Release Date	20100204

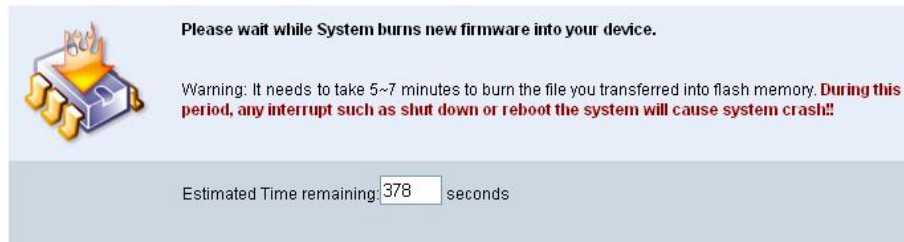
After you apply "Upgrade" button, projecting function will be terminated.
Warning: Once you've upgraded to the new version of firmware, you will not be able to roll back to the previous version!


File Name

Copyright © 2010 All rights reserved.

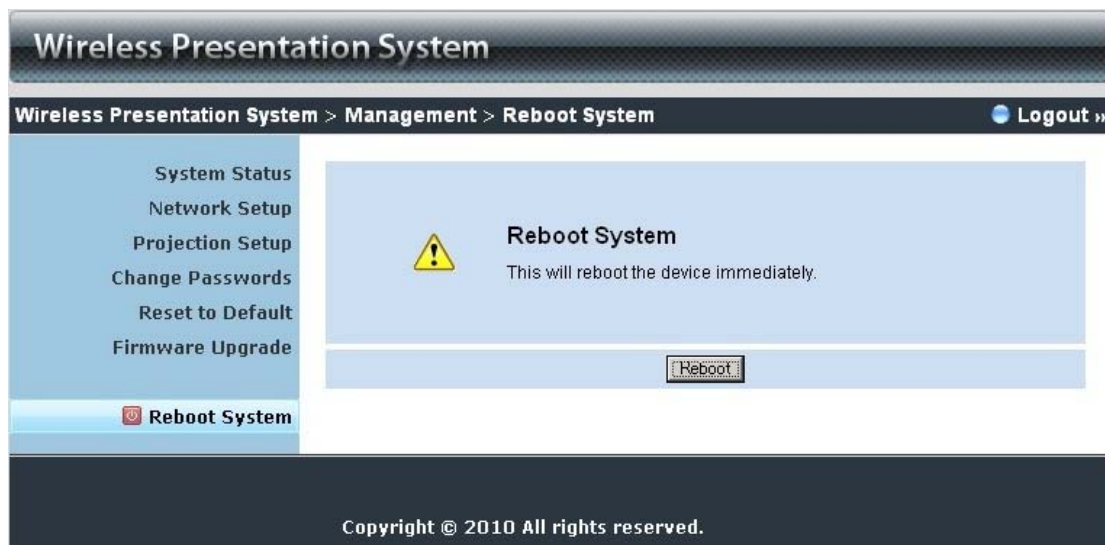
Click **[Firmware Upgrade]** button to upgrade firmware.

1. Firstly, you have to get latest firmware image file from your vendor.
2. Click **<Browse>** to specify file name you want to upgrade.
3. Click **<Upgrade>** to start.
4. A warning message shown and count down counter on the screen.
5. After a few minutes, a complete message shown on the screen.
6. Restart WPS box to take effect.



 **Warning:** Don't power off WPS while firmware upgrade in progress, otherwise will cause your Box doesn't work and have to return device to your vendor for fixing.

6.4.7 Reboot System



Click **[Reboot System]** button, to restart system

- ◆ **<Reboot>**: reboot system automatically.

6.4.8 Logout

Wireless Presentation System

Wireless Presentation System > Management > System Status

System Status


Network Setup

Projection Setup

Change Passwords

Reset to Default

Firmware Upgrade

 Reboot System

Model Name	WPS-VideoPro
Versions	
Firmware Version	3.2.3.4
Network Status	
IP Address	192.168.168.112
Subnet Mask	255.255.255.0
Default Gateway	192.168.168.251
Wireless MAC Address	00:22:5F:0D:62:10
Wired MAC Address	00:12:5F:00:4D:2A
Connection Status	
Projecting Status	Waiting for Projecting
Total Users	0

Logout »

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