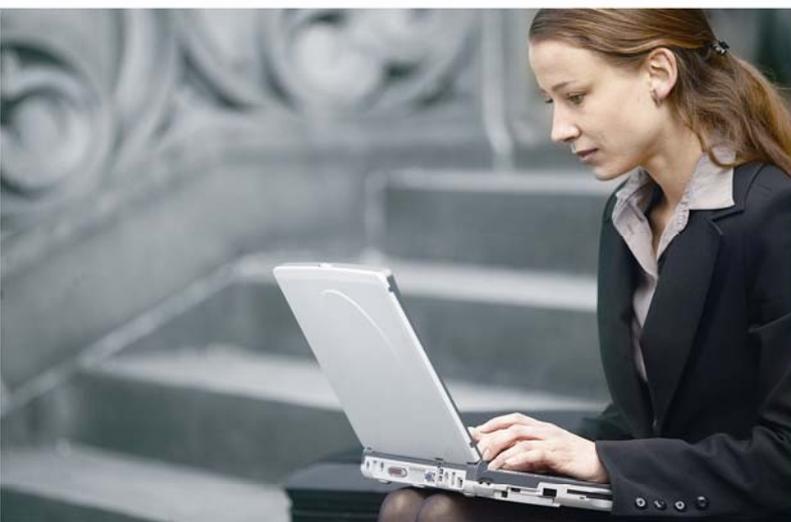


# User's Manual



## 2.11n Wireless Interactive resentation Gateway

▶ WIPG-300H



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## Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

## FCC Caution

To assure continued compliance, for example, use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the Following two conditions: (1) This device may not cause harmful interference, and (2) this Device must accept any interference received, including interference that may cause undesired operation.

## Federal Communication Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.

## CE mark Warning

This is a class B device, in a domestic environment; this product may cause radio interference, in which case the user may be required to take adequate measures.

## R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/CE OF THE EUROPEAN PARLIAMENT AND THE COUNCIL OF 9 March 1999 on radio equipment and telecommunication terminal Equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

## Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

## EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria Belgium, Denmark, Finland, and France (with Frequency channel restrictions). Germany, Greece, Ireland, Italy, Luxembourg .The Netherlands, Portugal, Spain, Sweden and United Kingdom.

The ETSI version of this device is also authorized for use in EFTA member states Iceland, Liechtenstein, Norway and Switzerland.

## WEEE regulation



To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

## Revision

User Manual of PLANET 802.11n Wireless Interactive Presentation Gateway with 1080p Full HD

Model: WIPG-300H

Rev: 1.0 (Jan., 2015)

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# Chapter 1. PRODUCT INTRODUCTION

## 1.1 Package Contents

The following items should be contained in the package:

WIPG-300H × 1



Antenna × 2



5V DC Power adapter +  
World-Wide Plug Set × 1



Wall-mount Kit x 1



USB Token × 1



Quick Installation Guide × 1



If there is any item missing or damaged, please contact the seller immediately.

## 1.2 Product Description

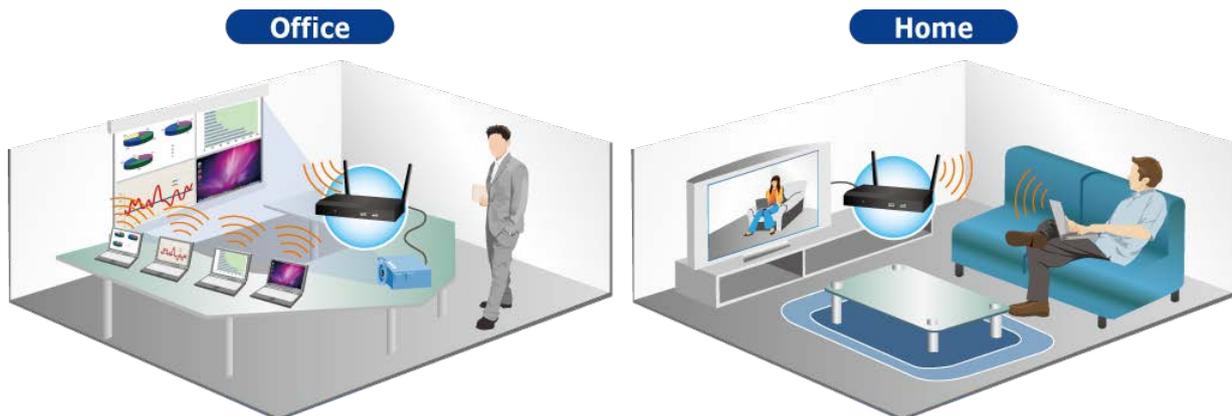


### 1080p Full HD Resolution, and High-quality Video and Audio Projection

The WIPG-300H supports **1080p Full HD** resolution which is suitable for both **office presentation** and **home entertainment**. Home users can easily share the multimedia on the big monitor / screen with friends without the hassle of cabling.

### Flexible Projection via Dual Video Output Interfaces

PLANET WIPG-300H is a wireless presentation gateway based on **IEEE 802.11n** technology. The incredible wireless speed makes it ideal for handling high bandwidth video stream, VoIP and data streams at the same time stably and smoothly. To deliver a perfect presentation solution, the WIPG-300H is equipped with both **VGA** and **HDMI** video output interfaces and one 10/100Mbps Ethernet port for LAN connection. With the hardware decoding capability, the WIPG-300H can project high-definition video on the screen and audio through wireless or wired LAN connections. It facilitates multiple users to freely display the presentations, images and videos via connecting to a projector or LCD TV without complex installation.



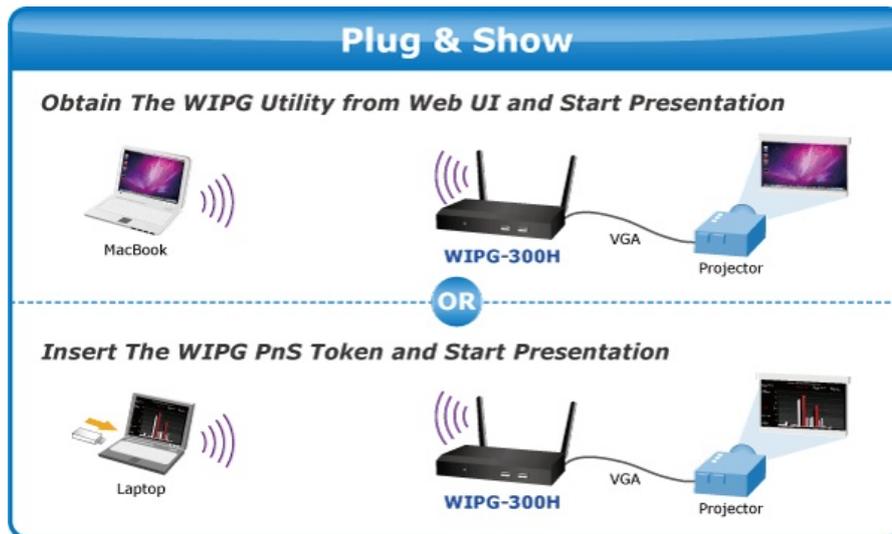
### 4-to-1 Split Screen Projection

With this 4-to-1 split screen feature, the WIPG-300H allows up to four PC / Laptop screens to be projected through one projector at the same time. Therefore, the participants can easily do side-by-side comparison from four PCs / Laptops to increase meeting efficiency.



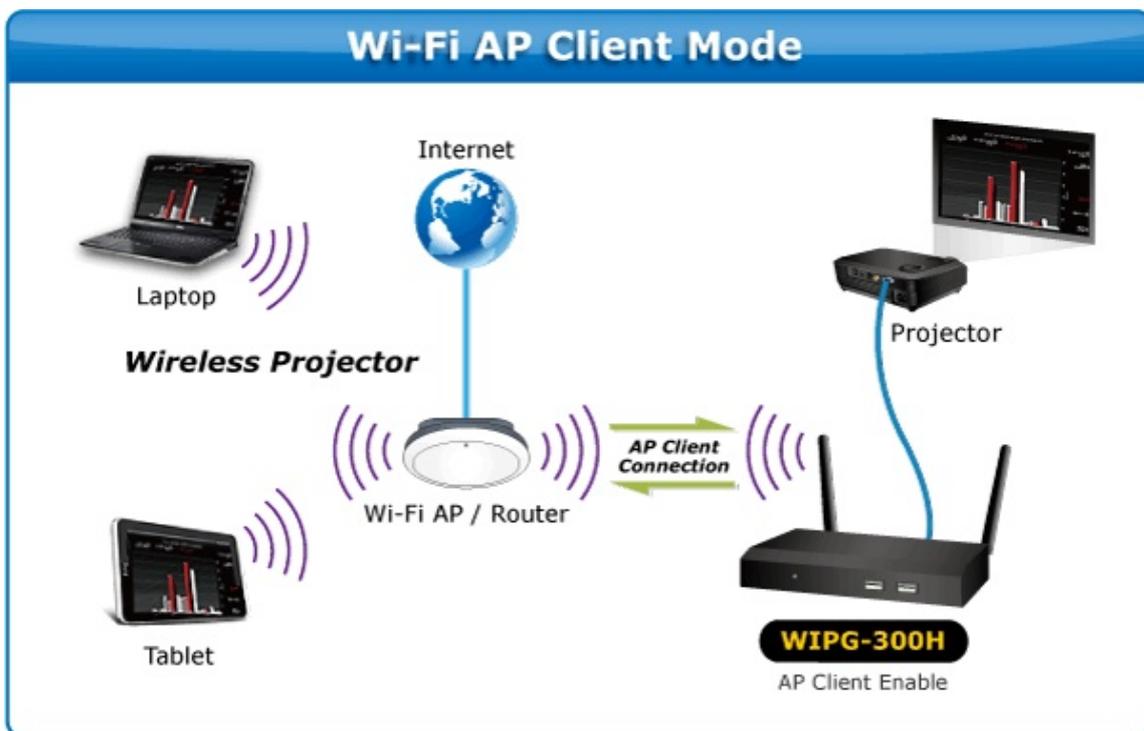
### Easy to Use, Plug & Show

The embedded Windows-based utility enables the connected users to directly download the utility from the WIPG-300H web UI or simply execute the utility from the created USB token. It offers the most convenient way for the new user to access the presentation in seconds. Just link the PC / laptop to the WIPG-300H through wireless or Ethernet and the wireless projection can be performed via the connected projector easily.



**Internet / Intranet Connectivity through AP Client Mode**

The WIPG-300H is also a Wireless Access Point. The 10/100Mbps LAN port and 11n wireless performance ensures the participants in the meeting are able to access the Internet and Intranet all the time, even while wireless presentations are projecting. You can enable the AP-Client Mode function to let the WIPG-300H joins the existing Access Point through Wi-Fi. This feature provides the flexibility of wireless network deployment in enterprise environment.



### Remote Desktop

Plug standard USB keyboard or mouse into the USB port on the front panel of the WIPG-300H and you can control your PC remotely. You don't have to stand still by the side of a PC or the WIPG-300H, thus making your presentation easily and freely.



### 1.3 Product Features

- Wirelessly project multimedia with laptops, Macs and mobile devices
- VGA / 1080p HDMI output
- 4-to-1 split screen projection
- Audio / Video streaming
- Plug & Show
- 802.11n Wi-Fi AP and AP-Client mode
- Mouse / Keyboard remote operation
- USB over IP for touch screen and IWB
- Web browser management
- Windows XP / Vista / 7 / 8, Mac OS X, iOS and Android support
- Multiple users access
- Compact size convenient for installation and placement

## 1.4 Product Specifications

<b>Product</b>	<b>WIPG-300H</b>	
<b>Hardware Specification</b>		
<b>Interfaces</b>	Video	VGA Port: D-Sub 15-pin female port HDMI 1.4b
	Audio Out	2.5mm stereo jack
	LAN	10/100BASE-TX RJ45
	Wireless LAN	IEEE 802.11n 300Mbps
	USB Port	3 x USB 2.0, Type-A, 5VDC / 0.5A output
<b>Antenna</b>	Gain	2 x 2dBi RP-SMA detachable antenna
	Orientation	Omni-directional
<b>LED Indicators</b>	Green: Power on Red: Init / firmware upgrade	
<b>Material</b>	Metal	
<b>Dimensions</b> (W x D x H)	150 x 59 x 25mm	
<b>Weight</b>	243g	
<b>Power</b>	External Power adaptor 5V DC input 2.6A Multi-type swappable Plug: US / EU / UK / AU	
<b>Reset Button</b>	> 10 sec while booting: Reset to Factory Default	
<b>Wireless Interface Specifications</b>		
<b>Standard</b>	Compliance with IEEE 802.11n Backward compatible with IEEE 802.11b/g	
<b>Frequency Band</b>	2.412 ~ 2.462GHz	
<b>Wireless Data Rate</b>	Up to 300Mbps	
<b>Wireless Channel</b>	America/ FCC: 2.412~2.462GHz (11 Channels)	
<b>Receive Sensitivity</b>	802.11b: less than -80 dBm (11Mbps) 802.11g: less than -70 dBm (54Mbps) 802.11n: less than -61 dBm at HT40 MCS7 802.11n: less than -64 dBm at HT20 MCS7	
<b>Wireless Security</b>	IEEE Standard 64/128 bit WEP / WPA / WPA2-PSK	
<b>Operation Mode</b>	<ul style="list-style-type: none"> <li>■ AP (Access Point)</li> <li>■ AP Client</li> </ul>	
<b>Video Display</b>		
<b>Supported Output Resolution</b>	<b>VGA:</b> SVGA (800x600) / XGA (1024x768) WXGA(1280x768) / WXGA(1280x800) WXGA (1360x768) / WXGA+ (1440x900) UXGA (1600x1200)  <b>HDMI:</b> 720P (1280x720) / 1080i (1920x1080) / 1080P (1920x1080)	
<b>System Management</b>		

<b>Protocol</b>	TCP/IP
<b>IP Configuration</b>	Automatic: DHCP Manual: Static IP address
<b>Management</b>	Web-Based configuration
<b>Supported Windows Account Right</b>	Administrators Limited User Guest
<b>Supported Operation System</b>	Windows XP / Vista / 7 / 8 Mac OS X 10.7 and above Android 2.4 and above iOS 4.3 and above
<b>Software Features</b>	4-to-1 split screen Audio Projection Remote Desktop Control Virtual Extended Desktop (Windows platform) Audio Latency Control Conference Control Gatekeeper Advanced Screen Capture (Windows platform) Webslides Side Pad MirrorOP Presenter
<b>Language Support</b>	English Tradition Chinese Simplified Chinese Japanese Korean French
<b>Standard Conformance</b>	
<b>IEEE Standards</b>	IEEE 802.11n (2T2R, up to 300Mbps) IEEE 802.11g IEEE 802.11b IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX
<b>Environment</b>	
<b>Temperature</b>	Operating: 0 ~ 40 degrees C Storage: -10 ~ 60 degrees C
<b>Humidity</b>	Operating: 10 ~ 90% (non-condensing) Storage: 10 ~ 80% (non-condensing)

## Chapter 2. HARDWARE INSTALLATION

Please follow the instructions below to build the wireless network connection between the WIPG-300H, display equipment and your computers.

### 2.1 Hardware Description

#### 2.1.1 The Front Panel

The front panel provides a simple interface monitoring the wireless presentation gateway. [Figure 2-1](#) shows the front panel of WIPG-300H.

##### Front Panel



**Figure 2-1** WIPG-300H Front Panel

- USB Port:** USB 2.0 ports for USB keyboard and mouse.  
 User can control the projection of PC remotely by simply plugging standard USB keyboard or mouse into the WIPG-300H.

#### 2.1.2 LED Indications

The front panel LEDs indicate instant status of system power and help monitor and troubleshoot when needed. The table below shows the LED indications of the Wireless Present Gateway.

LED (Green)	Description
On	Power On
Off	Power Off

### 2.1.3 The Rear Panel

#### Rear Panel

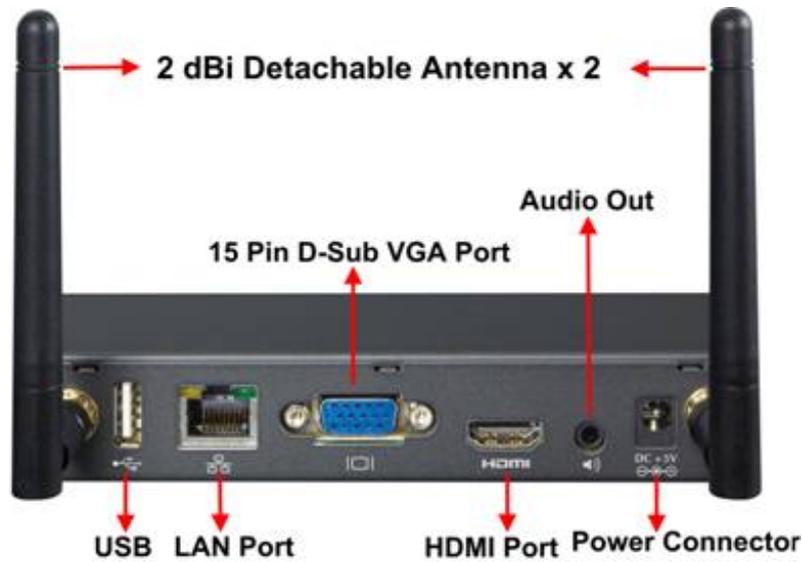


Figure 2-2 the WIPG-300H Rear Panel

## 2.2 Hardware Connection

**Step 1.** Please turn off your projector first, and connect **HDMI** or **D-sub** cable of the projector to the WIPG-300H. Then you can power on the WIPG-300H.

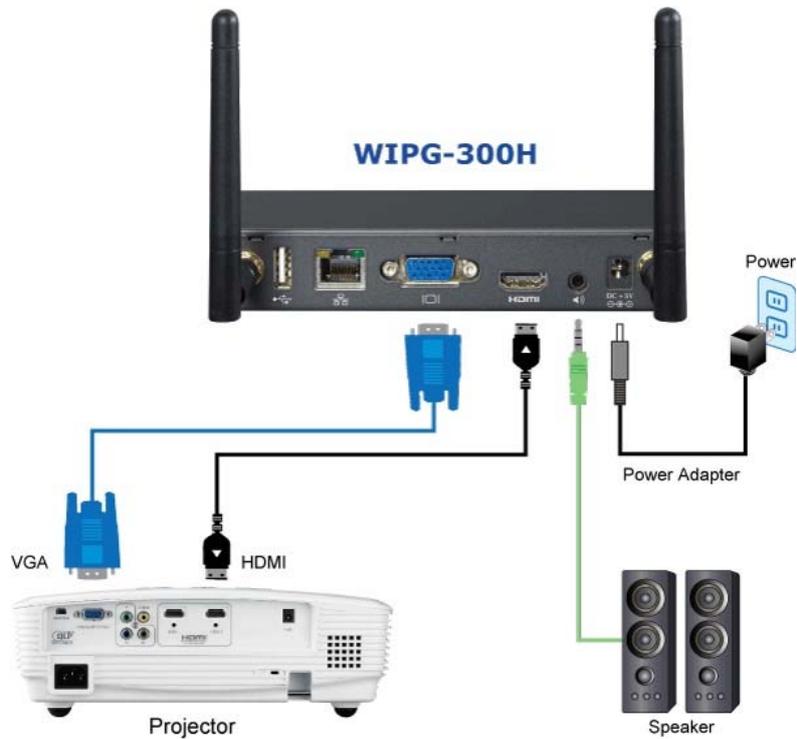


Figure 2-3 VGA / HDMI interface connection

**Step 2.** When the projector shows the default screen as shown below, it indicates the WIPG-300H is ready now.



Figure 2-4 Projector default screen

**Step 3.** Use your laptop or desktop for site surveying the wireless signal of the WIPG-300H, and connect your PC with it wirelessly. The default SSID is **WIPG-300H**.

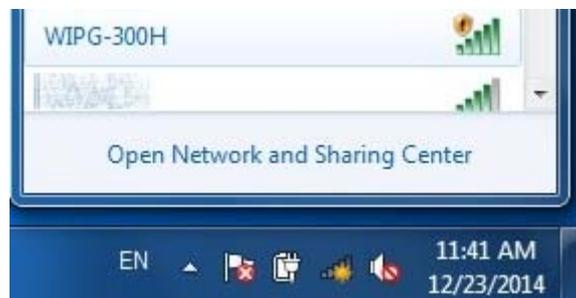


Figure 2-5 Windows platform wireless site survey

**Step 4.** Open the web browser and it will redirect to the WIPG-300H web page automatically, or you can enter the default IP address **192.168.1.1** to access it.



**Figure 2-6** WIPG-300H Web UI screenshot

Now you can configure the WIPG-300H and download the client utility (**WIPG**) of XP / Vista / Windows 7 / 8 via web UI. For further information of the configurations, please refer to the following chapters.

**You can download Utility for Windows from here.**

[Download](#) ( XP / Vista / Windows 7 / 8 )

**Note:**  
For Internet Explorer 8 and above, please disable the "SmartScreen Filter" first to download and install this software.

# Chapter 3. WINDOWS CLIENT UTILITY – WIPG

## 3.1. Starting Program

After installing **WIPG** (**W**ireless **I**nteractive **P**resentation **G**ateway) utility downloaded from the web page of the WIPG-300H, please follow the steps below to start.

**Step 1.** Click WIPG icon  on the desktop to execute the program.

**Step 2.** WIPG will start to search the available access points automatically if you have not connected your PC to the WIPG-300H manually. When the WIPG-300H is displayed in the list, please click it to connect and then enter the Login Code shown on the projector screen.



Figure 3-1 WIPG Utility – Access Point Connection

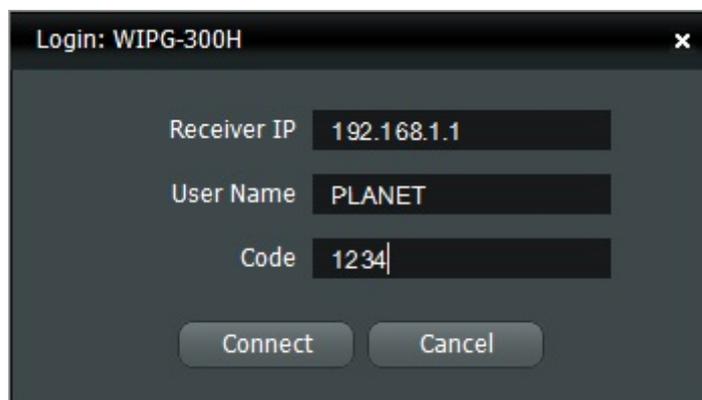


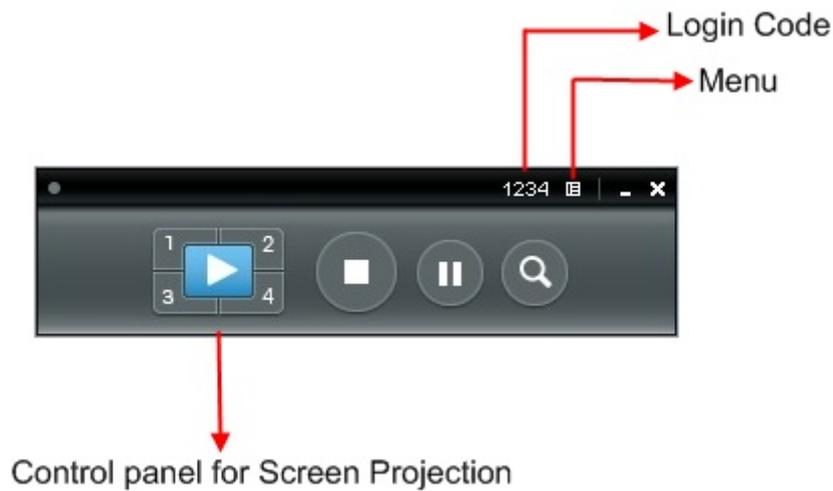
Figure 3-2 WIPG Utility – Access Point Login

**Step 3.** Click the  button to start projection



**Figure 3-3** WIPG Utility – Control Panel

### 3.2. Control Panel



**Figure 3-4** WIPG Utility – Control Panel Function Introduction

Button	Description	Button	Description
	Start Full Screen Projection		Project to Split No. 4
	Project to Split No. 1		Stop projecting
	Project to Split No. 2		Freeze The Projection Screen
	Project to Split No. 3		Enable the Magnifier function

Please refer to the following sections for detailed instructions of the menu.

#### 3.2.1. Show Receiver Information

Click **“Show Receiver Information”** and it will display the Receiver Information, such as Wi-Fi Name, IP Address and code on the upper of desktop. It will close automatically after 30 seconds.

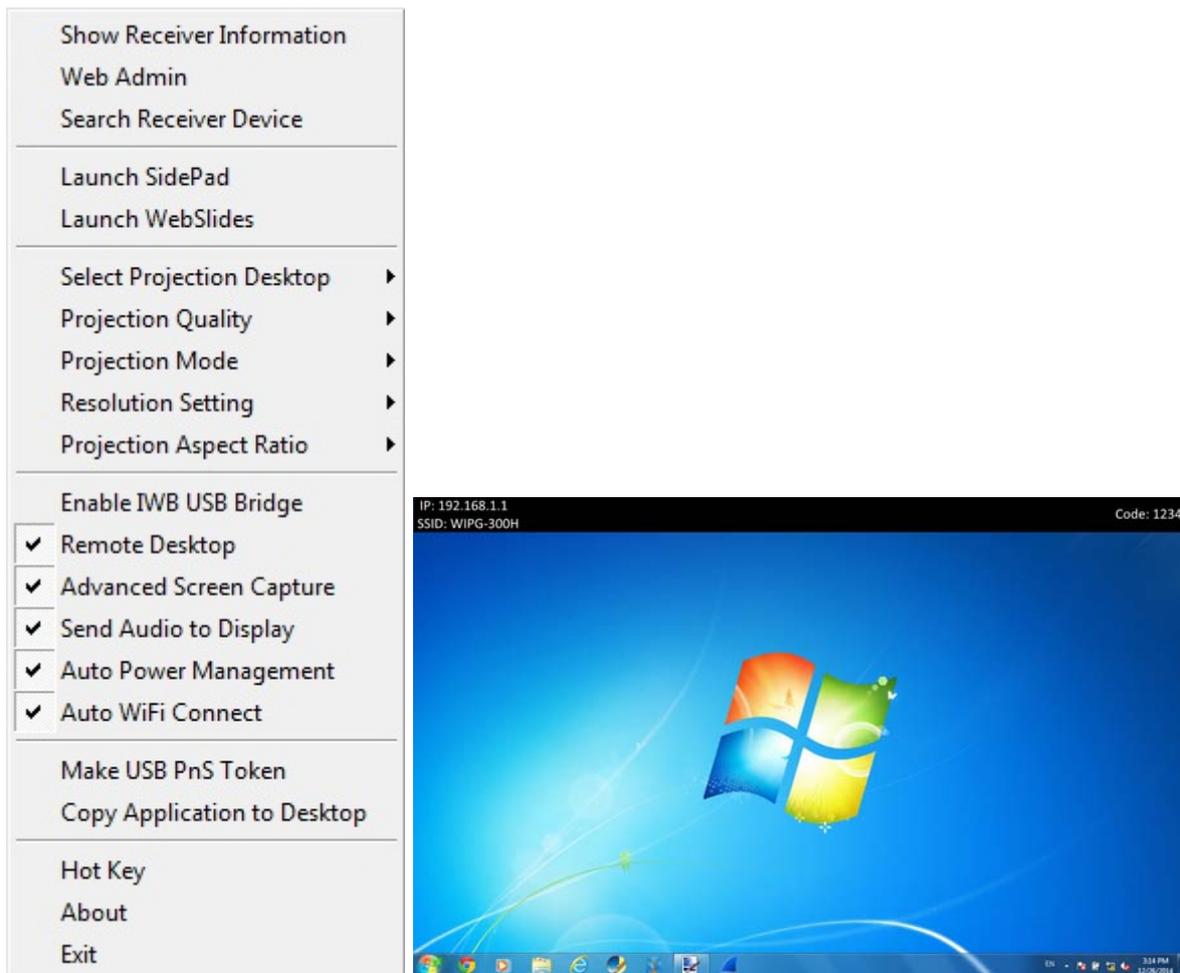


Figure 3-5 WIPG Utility – Show Receiver Information

### 3.2.2. Web Admin

Click “**Web Admin**” to open the web UI page of WIPG-300H. With regard to the web management UI page, please refer to the next chapter.

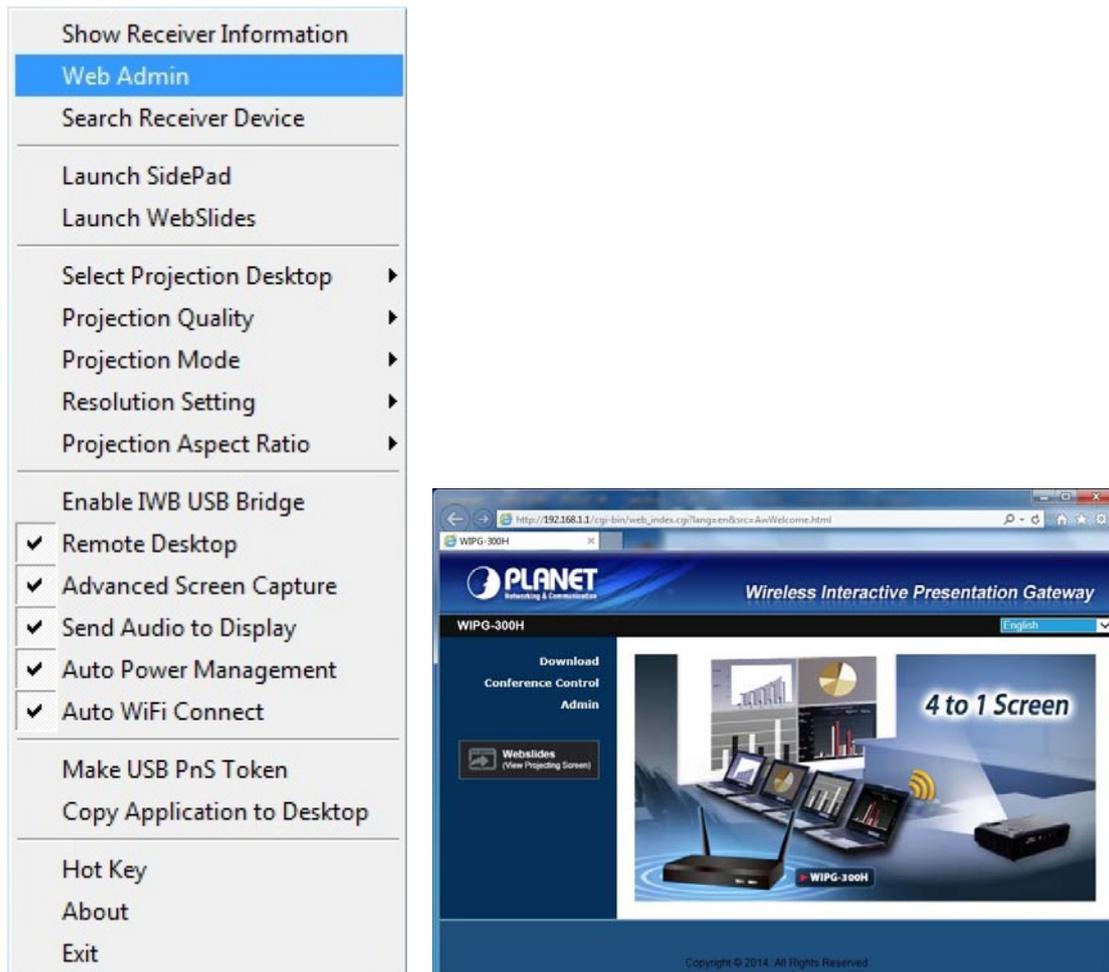


Figure 3-6 WIPG Utility – Web Admin

### 3.2.3. Search Receiver Device

Click “**Search Receiver Device**” to disconnect from current receiver and search the receiver again.

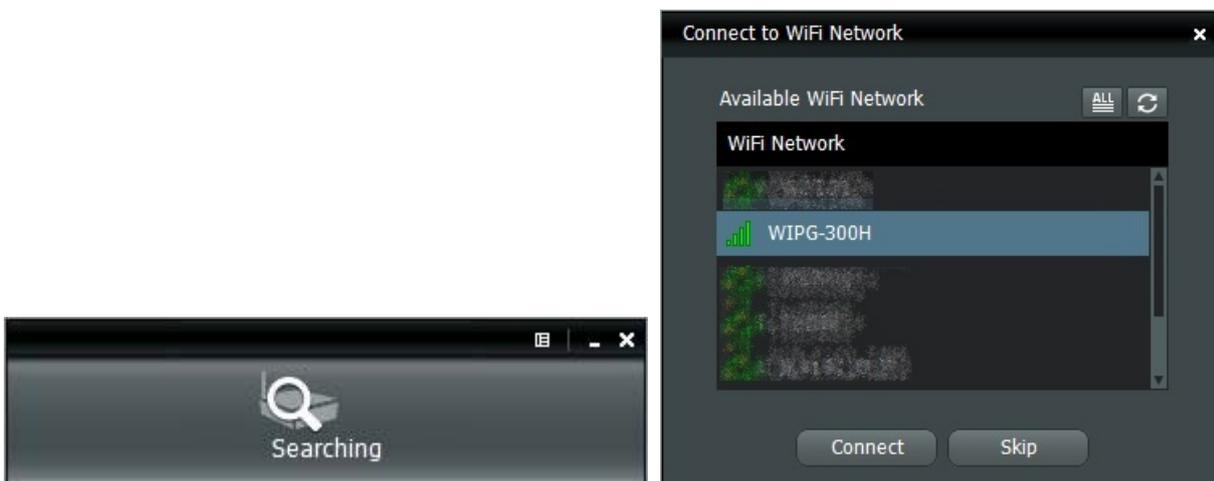
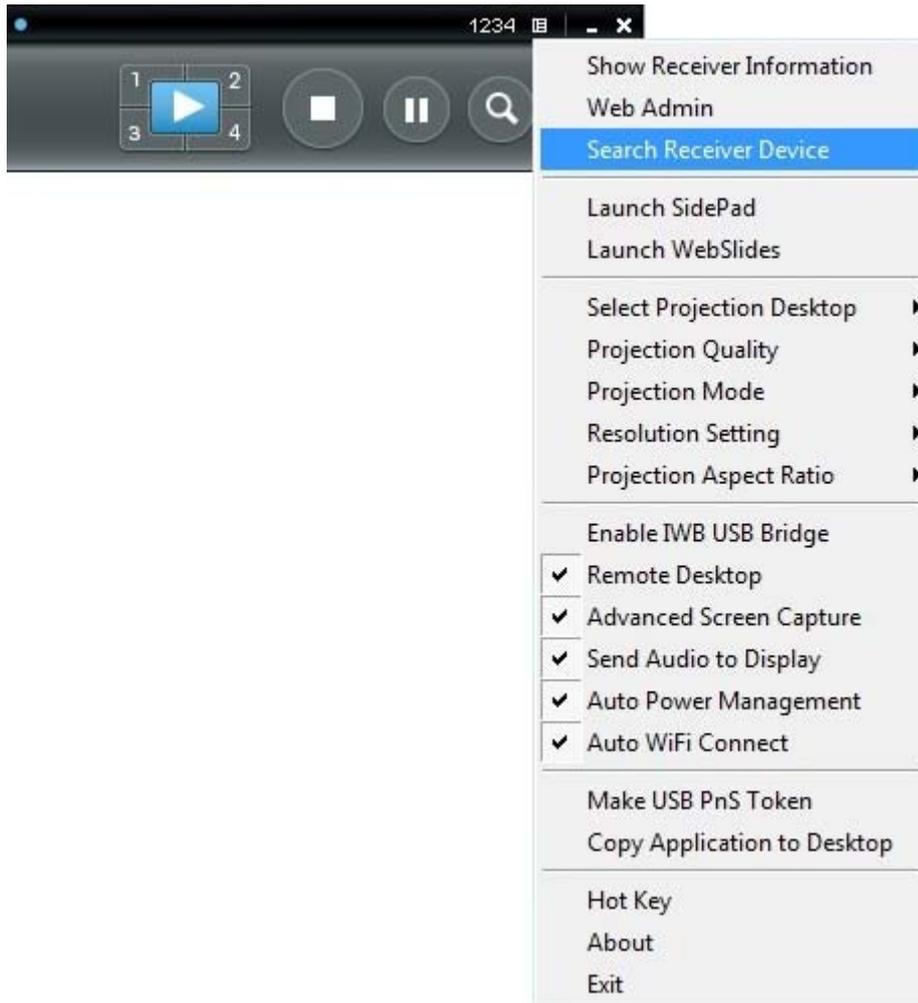


Figure 3-7 WIPG Utility –Search Receiver Device

### 3.2.4. Launch SidePad

SidePad is an application to allow the user to connect Pad/Smartphone (Android and iOS), PC and display/projector via the WIPG-300H. User can then control the projecting PC via Pad/Smartphone. Please refer to the image below for more information.

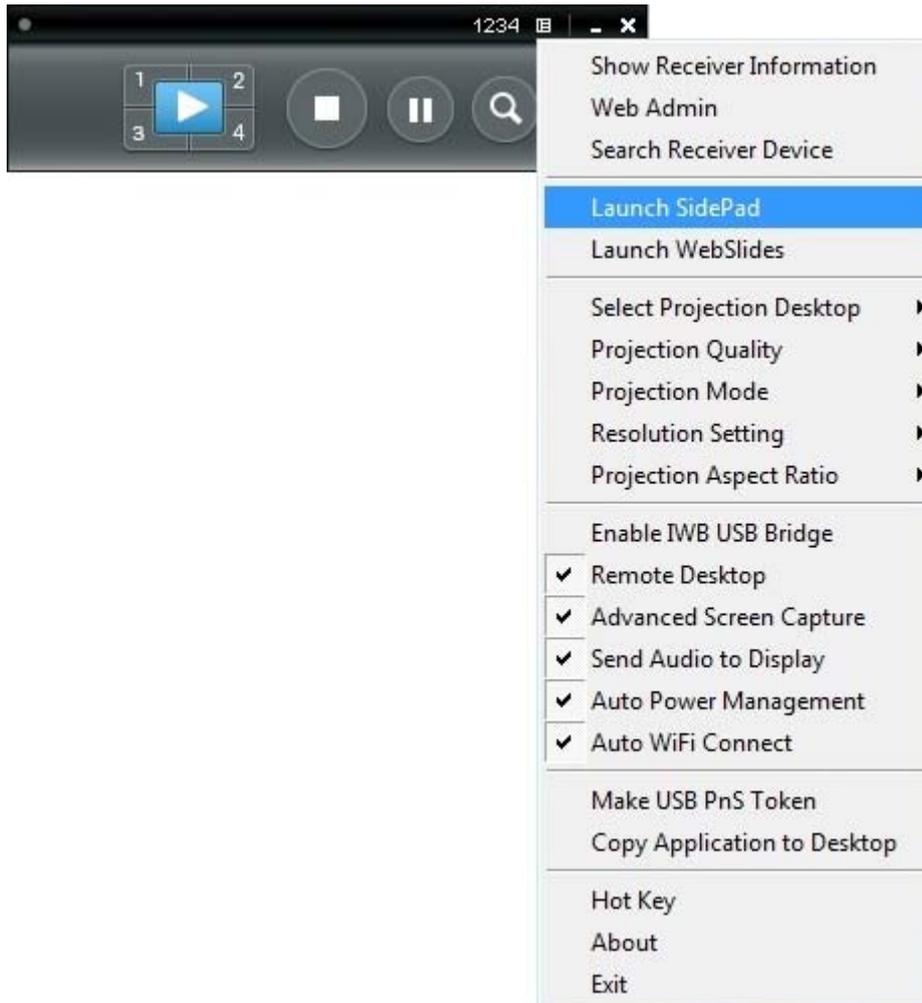


Figure 3-8 WIPG Utility –Launch SidePad



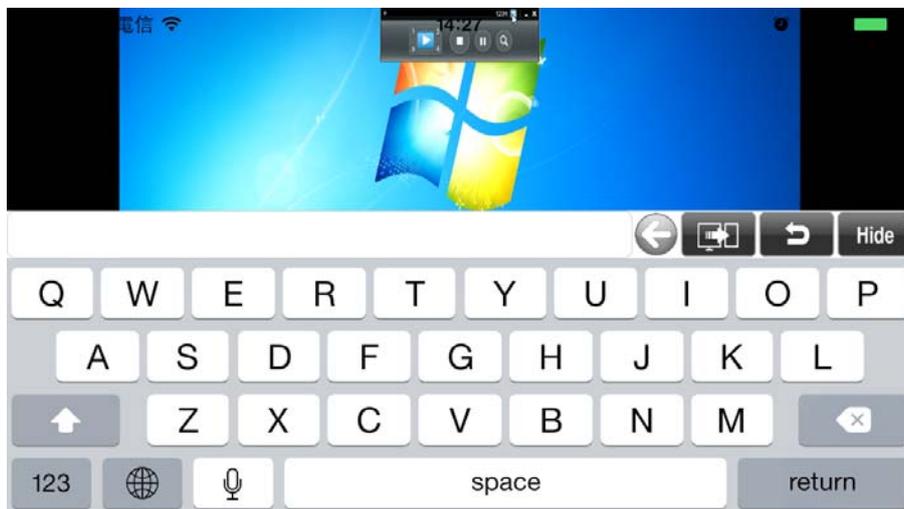
Remotely control your laptop with your mobile device when projecting

SidePad Control for Android / I OS device

- Android: Download “SidePad Receiver” from Google Play Store
- iOS: Download “SidePad Receiver” from Apple Store.

1. Connect your Android/iOS device to WIPG device through Wi-Fi and launch “SidePad Receiver” 
2. Enable “**Launch SidePad**” and enter the IP of your device. The APP will change to the screen of your PC.





### 3.2.5. Launch WebSlides

WebSlides is an application to allow the user/presenter to broadcast the projecting screen/slides to allow multiple login users to receive the slides during a presentation and save the slides for note taking later.

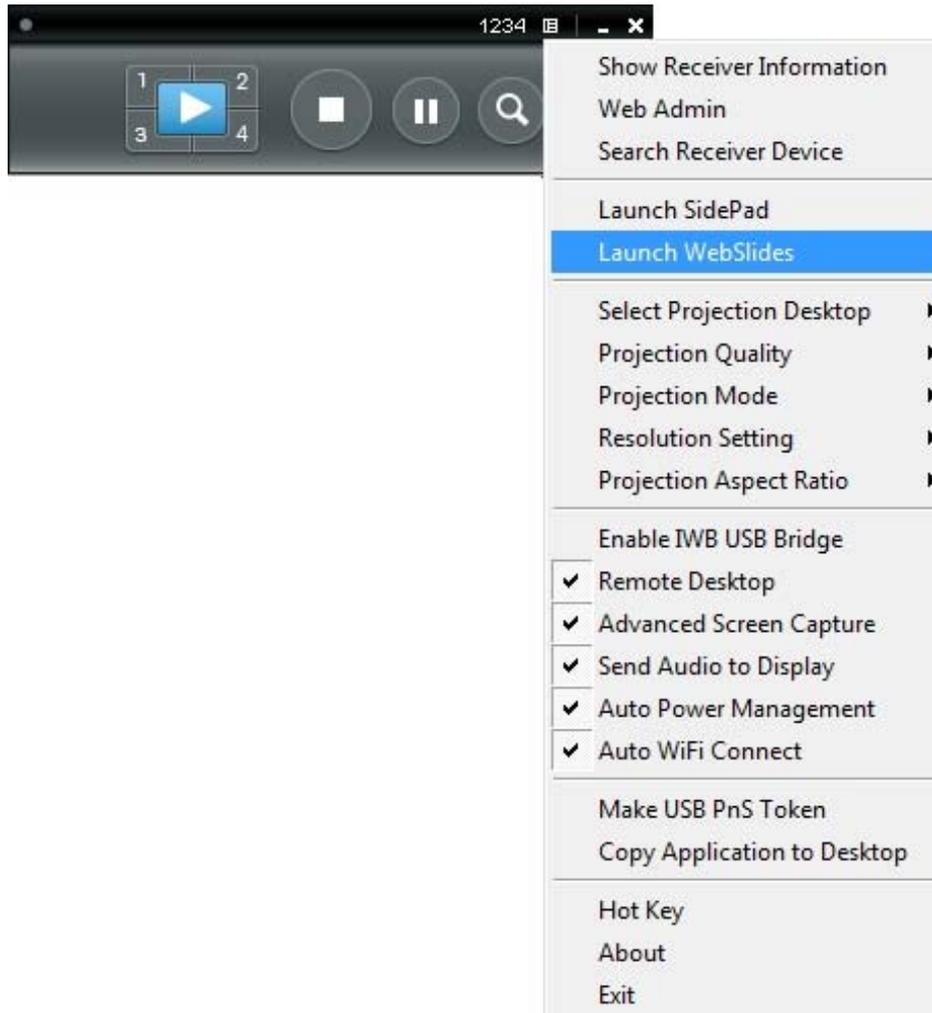


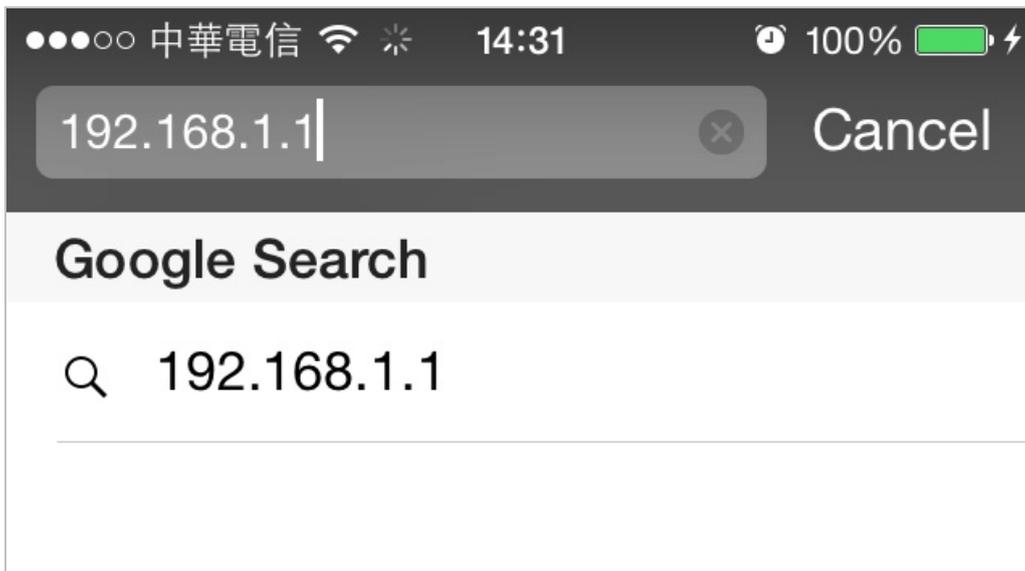
Figure 3-9 WIPG Utility –Launch WebSlides





Webslides is not available when Quad view is in use.

- **Presenter:** Make sure your PC/Mac is connected to WIPG box and click on “**Launch Webslides**”. When the function is on, the item will be checked on the main menu.
- **Audience:** Users need to connect to WIPG Wi-Fi Network as the presenter and then launch their browser and enter WIPG IP address (The information can be found on the projecting screen) on the URL of browser.



Once the users are connected, they will see the image below on their devices. Click on to “**Webslides**” Button to starting receiving the presenter’s slides and the image can be seen on the audience’s browser.





Wireless Projection function and Conference Control function can support up to 64 users.



The WIPG logged-in user is not identical to WebSlides user, and they both consume the wireless bandwidth for device connection. If there are more than 10 users logged into WIPG, it is recommended to connect WIPG to company network through Ethernet or bridge WIPG to a router due to wireless bandwidth concern. User should connect WIPG via company network or router in order to secure the projection performance. The WebSlides user number should not exceed the recommended number on the web management page to prevent the failed connection or low projection performance.

### 3.2.6. Select Projection Source

Click the “**Select Projection Source**” to project the main screen of desktop or the virtual extended screen.

Object	Description
<b>Main Desktop</b>	When “ <b>Main Desktop</b> ” is selected, the WIPG-300H will project out the main desktop screen.
<b>Extended Desktop</b>	When “ <b>Extended Desktop</b> ” is selected, the WIPG-300H will project out the virtual screen.  The second virtual monitor is invisible, but it is just right of the main one. Just pull the presentation item out of the right-sided screen, and you’ll see it appears on the projector screen.

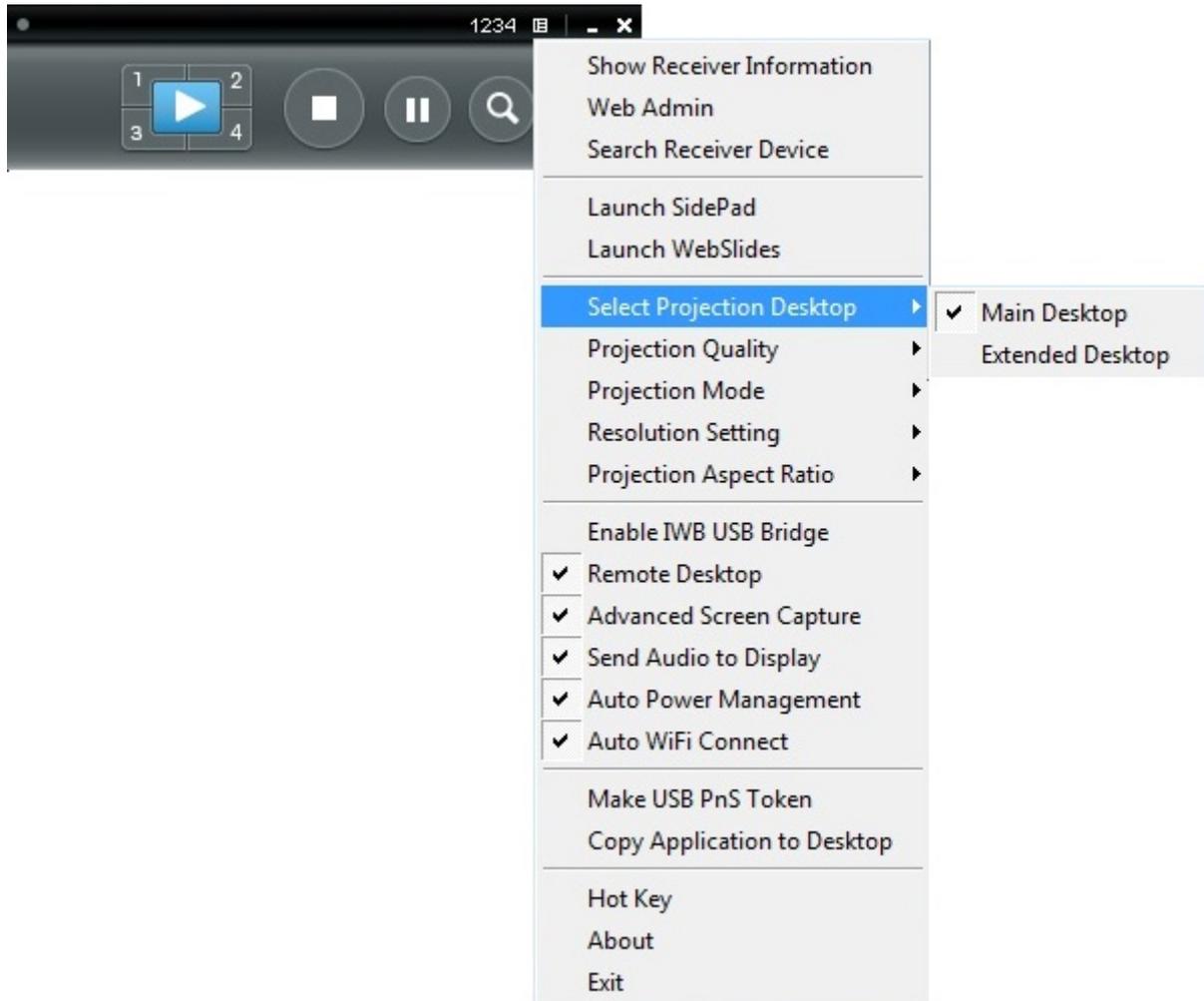


Figure 3-10 WIPG Utility – Select Projection Desktop



For Windows XP system, before starting the Extended Desktop screen projection, please install the “VDD.exe” (Virtual Display Driver) first on your computer. Please find the software in the USB Token.



For Windows 7/Vista Starter edition, it can't support extended screen.

The extended screen of some Win7/Win8 laptops/tablets is not supported if the

display card can't support the extended screen function. This typically can be verified by checking whether it can enable the extended screen through physical VGA cable; if yes, then it should work with WIPG software.

### 3.2.7. Projection Quality

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

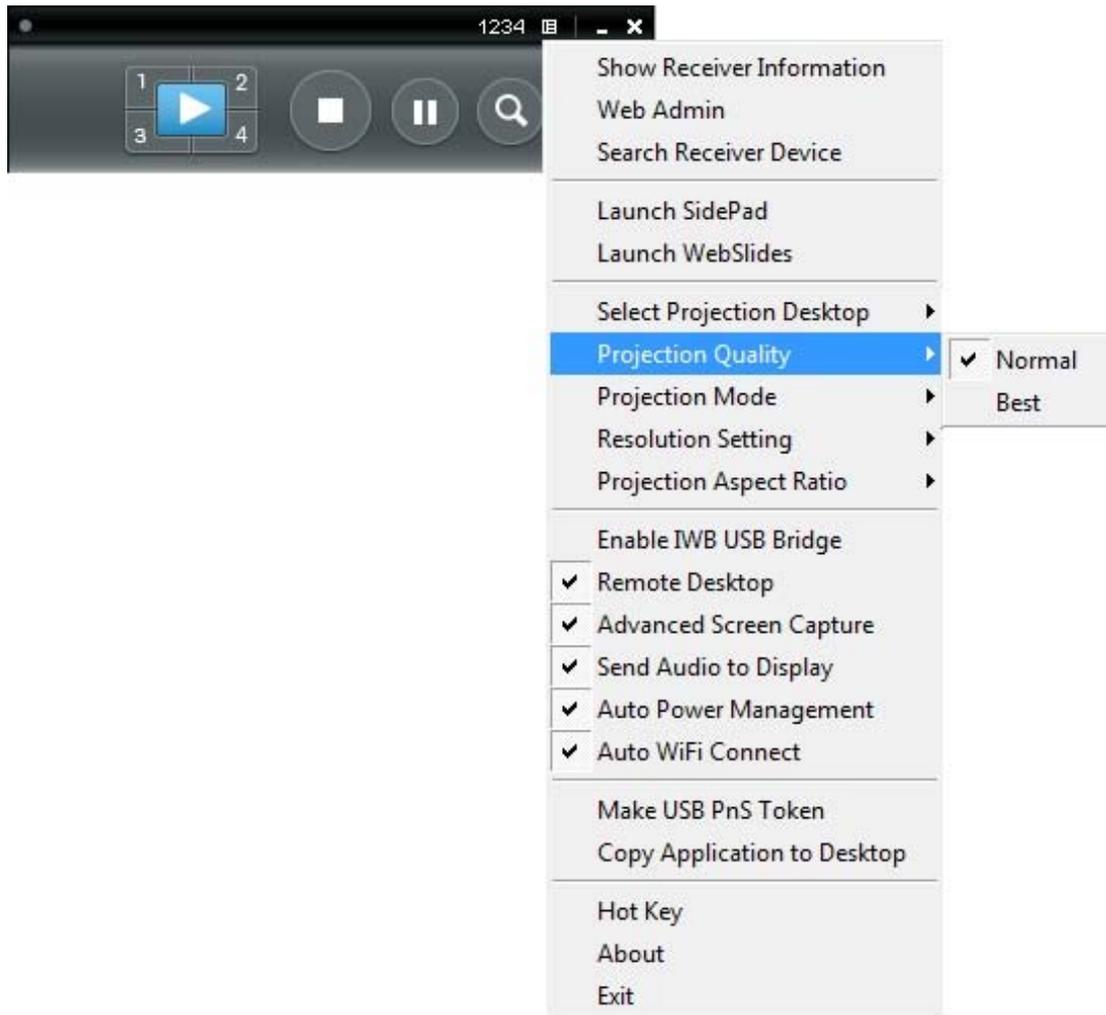


Figure 3-11 WIPG Utility – Projection Quality

### 3.2.8. Projection Mode

The Projection Mode provides the option to support “**Presentation Mode**” and “**Video Mode**”.

- For the “**Presentation Mode**”, it will always keep the shortest latency to provide the most responsive operation performance
- For the “**Video Mode**”, it will trigger the longer latency but much smooth performance when you are watching video, and change back to the shortest latency mode when it detects you are moving the mouse cursor.

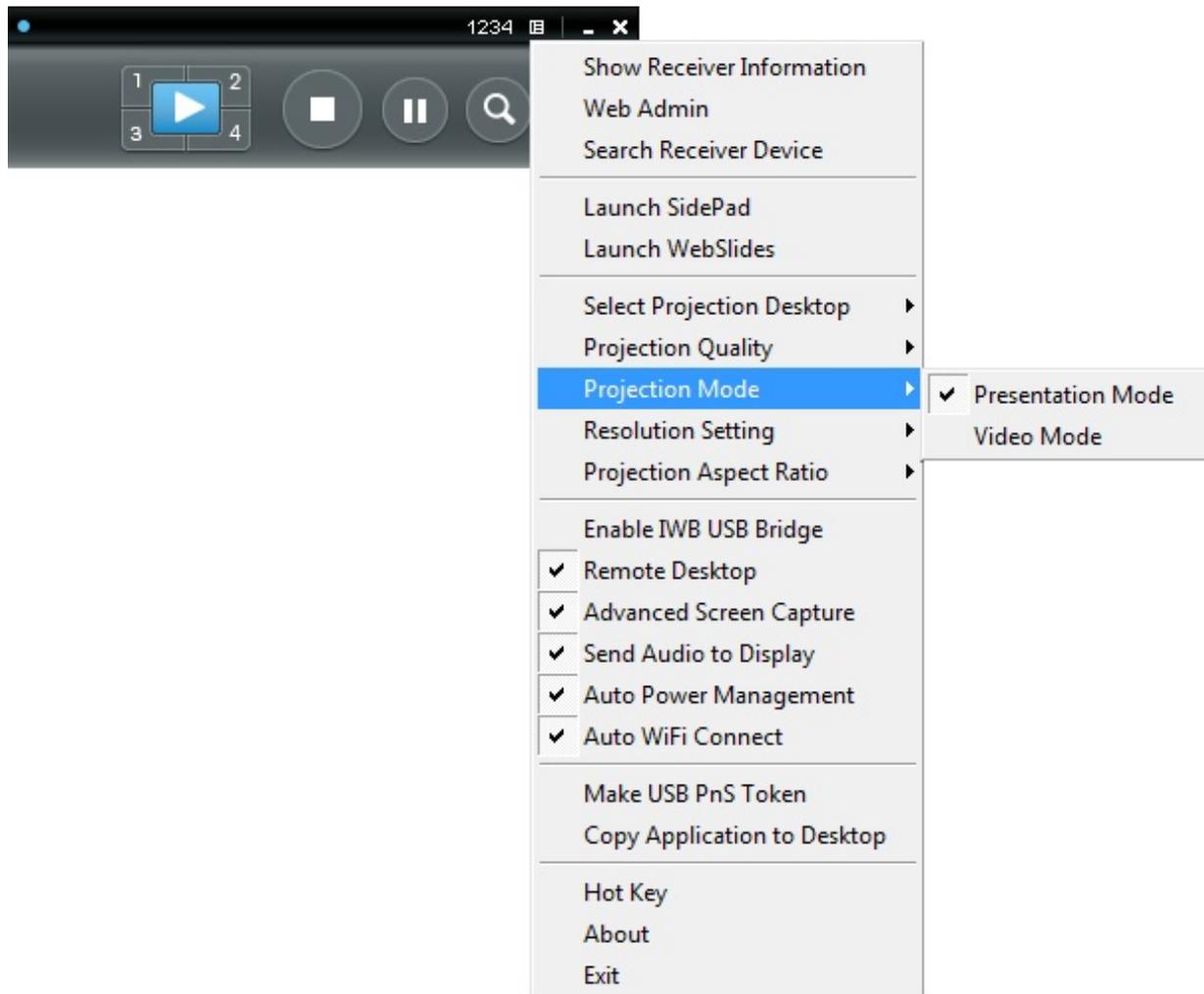


Figure 3-12 WIPG Utility – Projection Mode

### 3.2.9. Resolution Setting

Click on **Resolution Setting** and choose **Never Change** to keep original desktop resolution. **Always Change** means to change resolution automatically according to application's recommendation, or **Always ask me** to prompt a resolution change message to user.

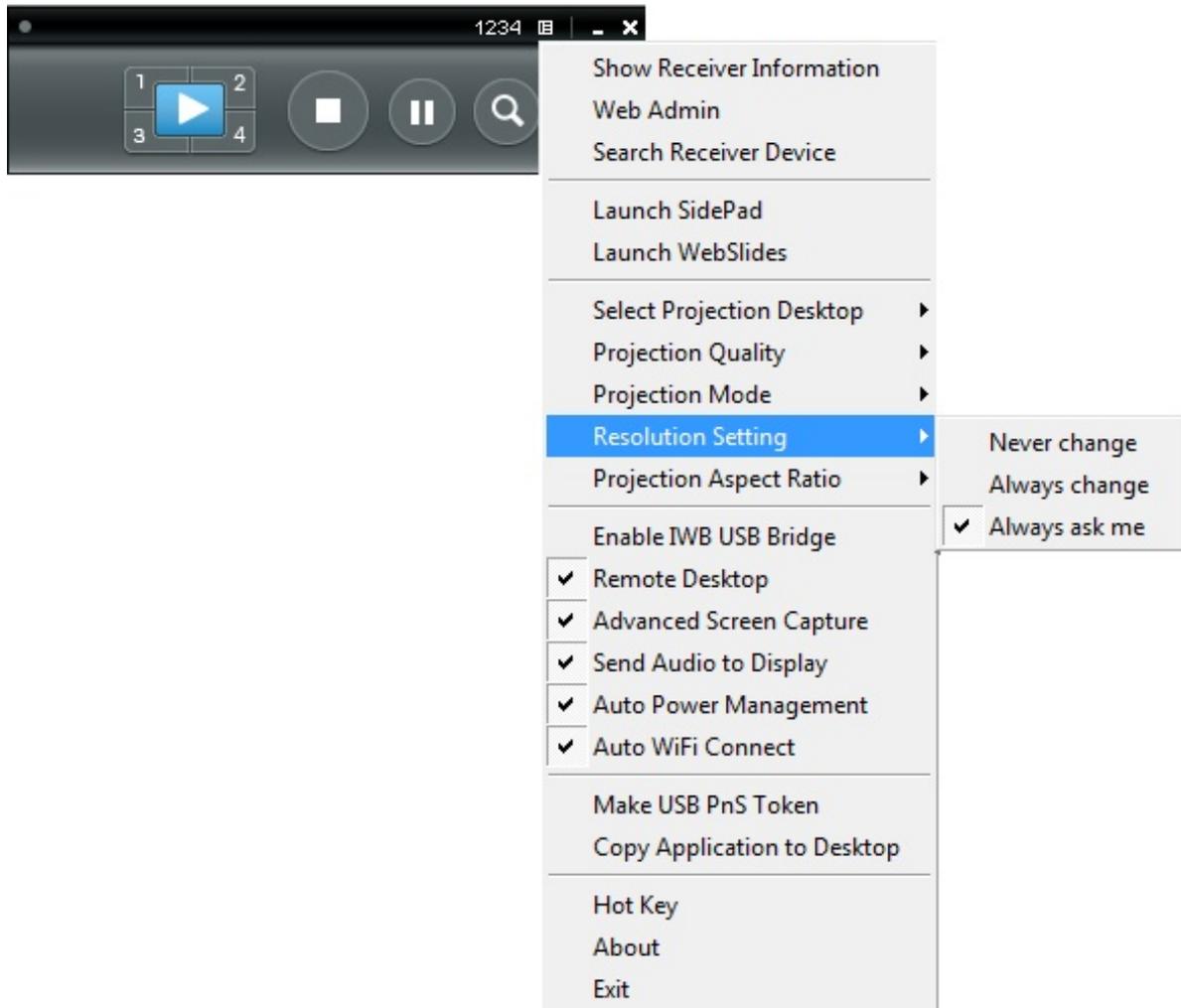


Figure 3-13 WIPG Utility – Projection Mode

### 3.2.10. Projection Aspect Ratio

Click on “**Projection Aspect Ratio**” and choose “**Keep aspect ratio**” to keep the original aspect ratio if the desktop resolution is different from WIPG output resolution, or choose “**Fit full screen**” to project the screen to full screen.

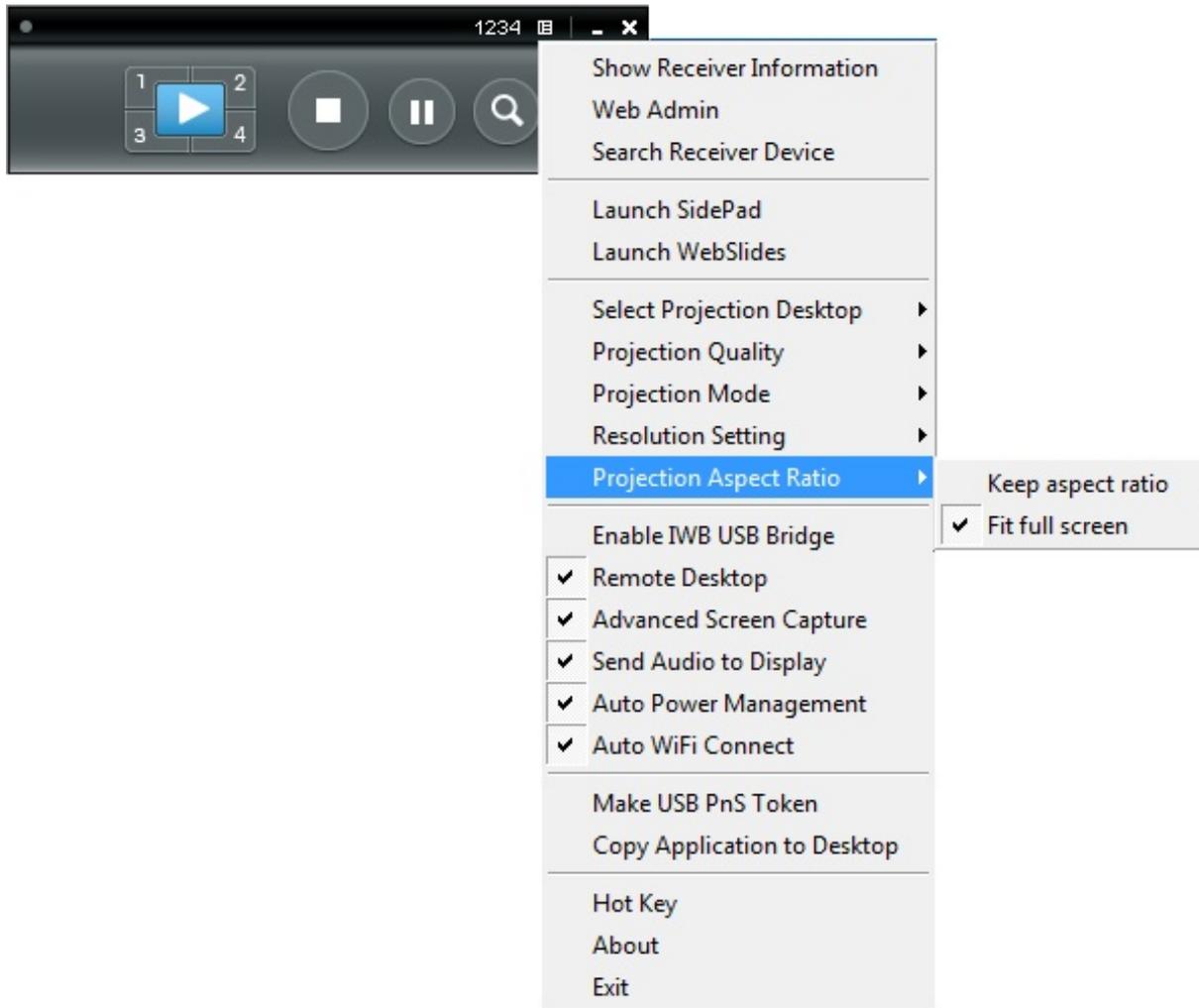


Figure 3-14 WIPG Utility -- Projection Aspect Ratio

### 3.2.11. Enable IWB USB Bridge

Click on **Enable USB IWB Bridge** to enable the USB IWB Bridge feature. When you start the full screen projection, it will bridge the IWB device to your PC wirelessly.

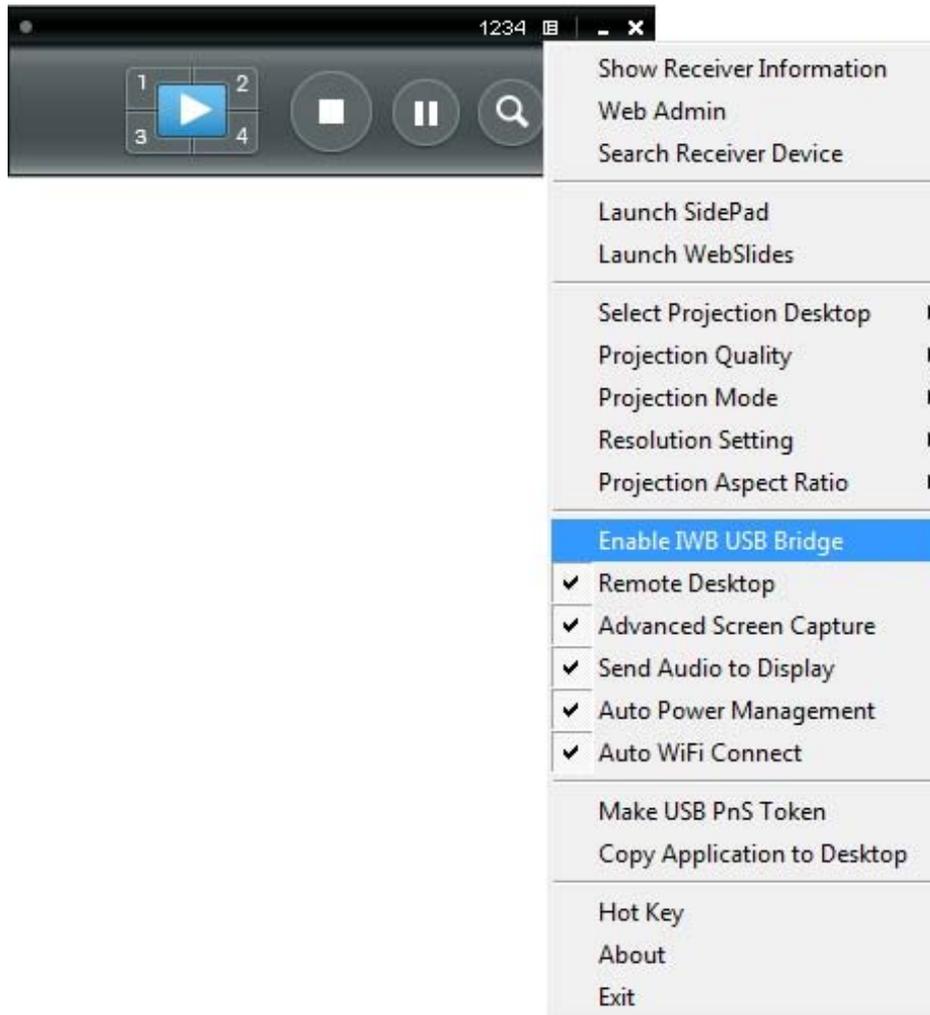


Figure 3-15 WIPG Utility – Enable IWB USB Bridge



Note

You have to install the USBolP driver first. You can find the driver from USB token.

### 3.2.12. Advanced Screen Capture

If you enable “**Advanced Screen Capture**”, all the tip windows and other layered windows (including the main UI) will be projected to the projector screen. However, the mouse cursor may blink from time to time when it is projecting.

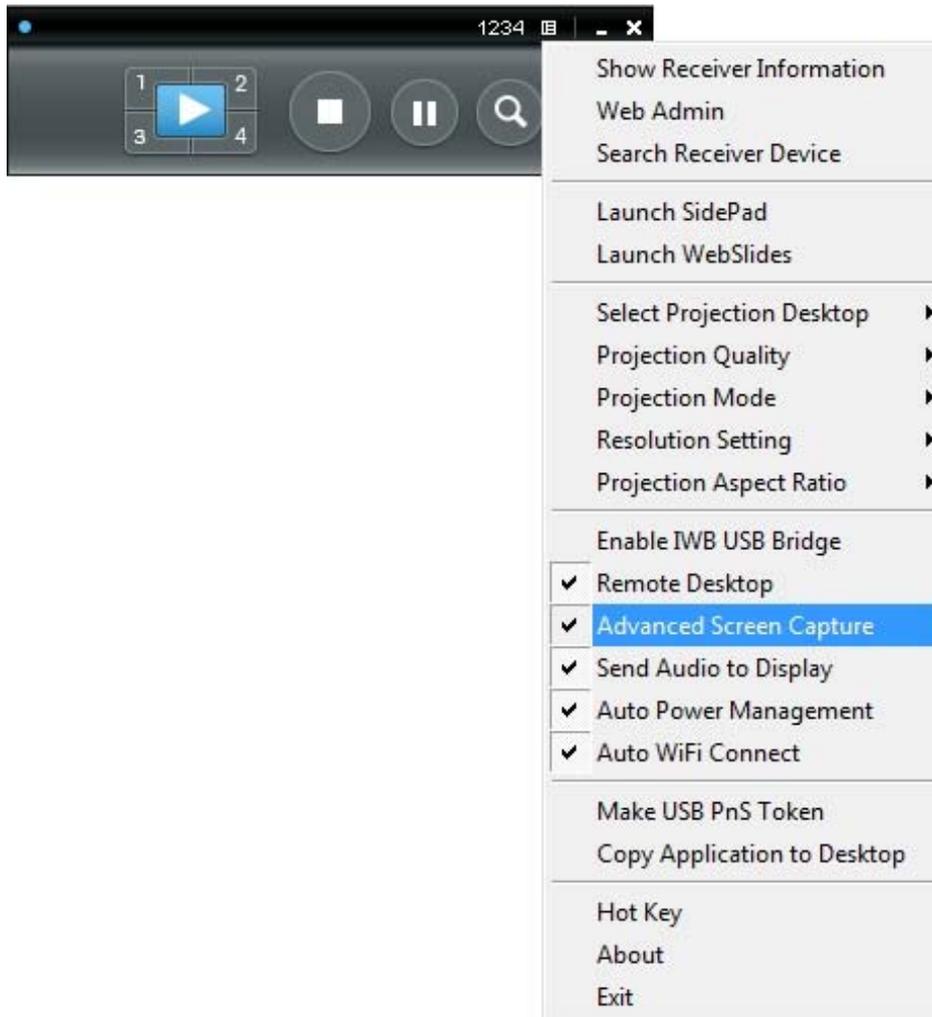
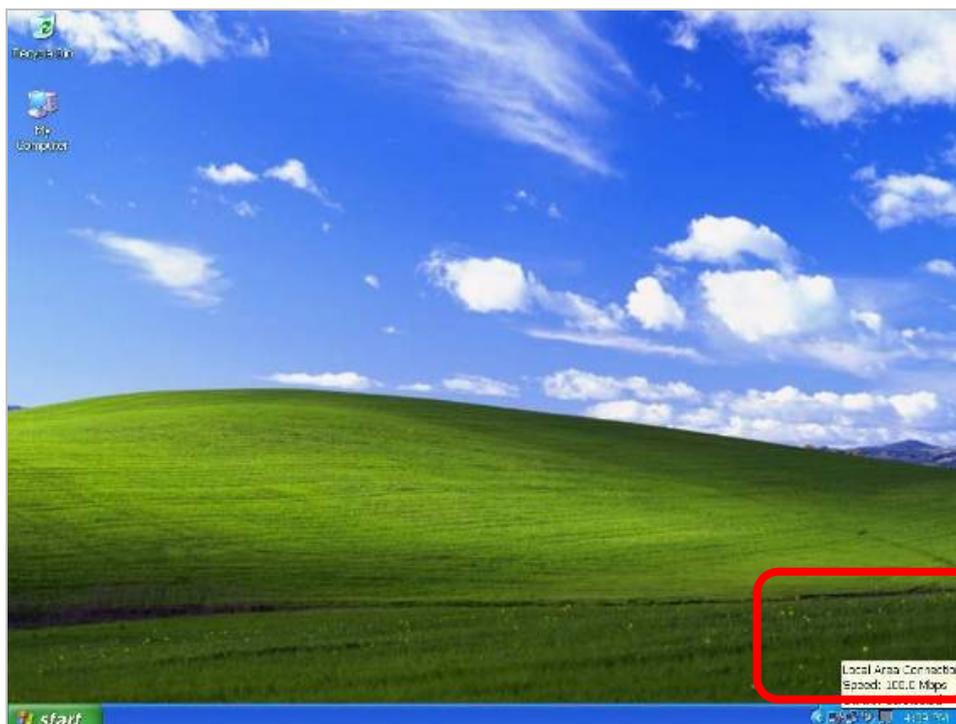


Figure 3-16 WIPG Utility – Advanced Screen Capture



The Source Screen with Tip Window



The Projector Screen without Tip Window

### 3.2.13. Send Audio to Display

Click on “**Send Audio to Display**” to start the audio projection feature. It will mute your local speaker during the projection and restore it when it closes the application. The audio will be bridged to your display device.

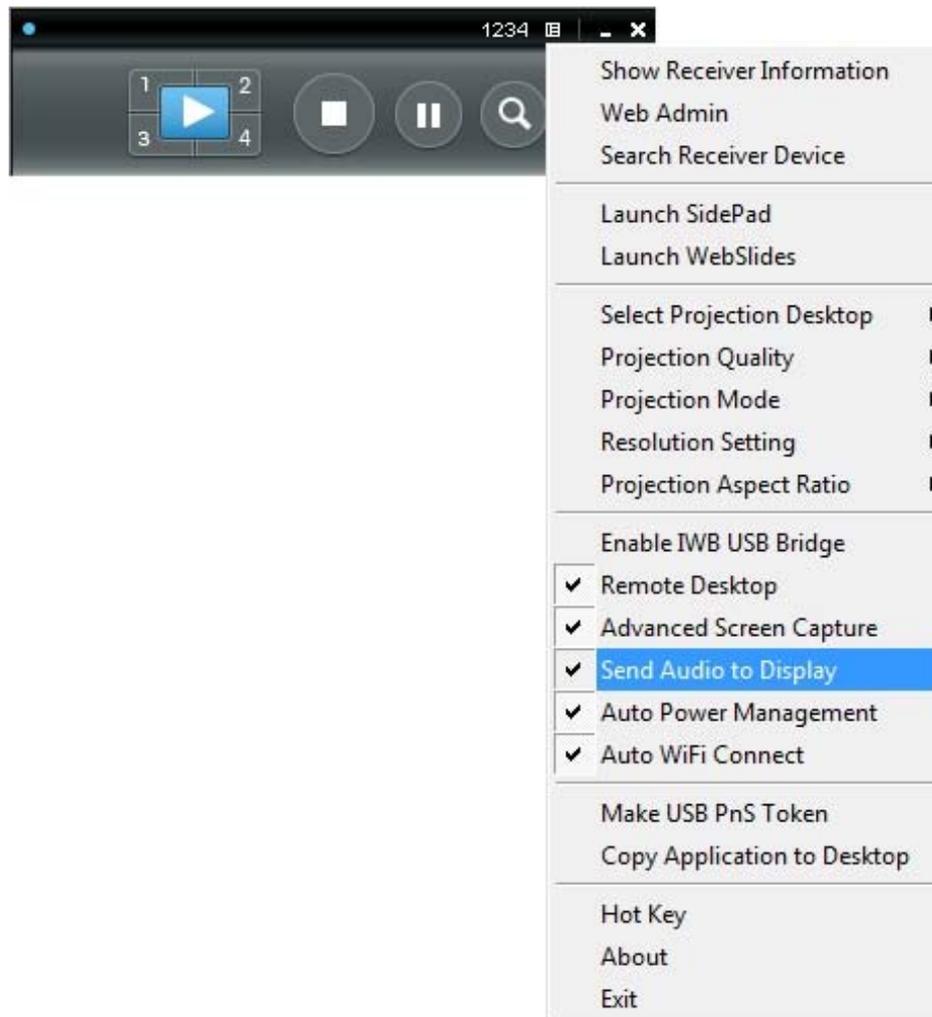


Figure 3-17 WIPG Utility – Send Audio to Display



Note

For Windows XP system, if you can't hear the audio, please install the Audio driver ("VAC.exe", Virtual Audio Control Driver) on your computer first. You can find the software from USB Token.

(Windows Vista, Win7 and Win8 are not necessary to install VAC driver)

### 3.2.14. Auto Power Management

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 on "**Auto Power Management**" to enable or disable this function and restore you power scheme immediately.

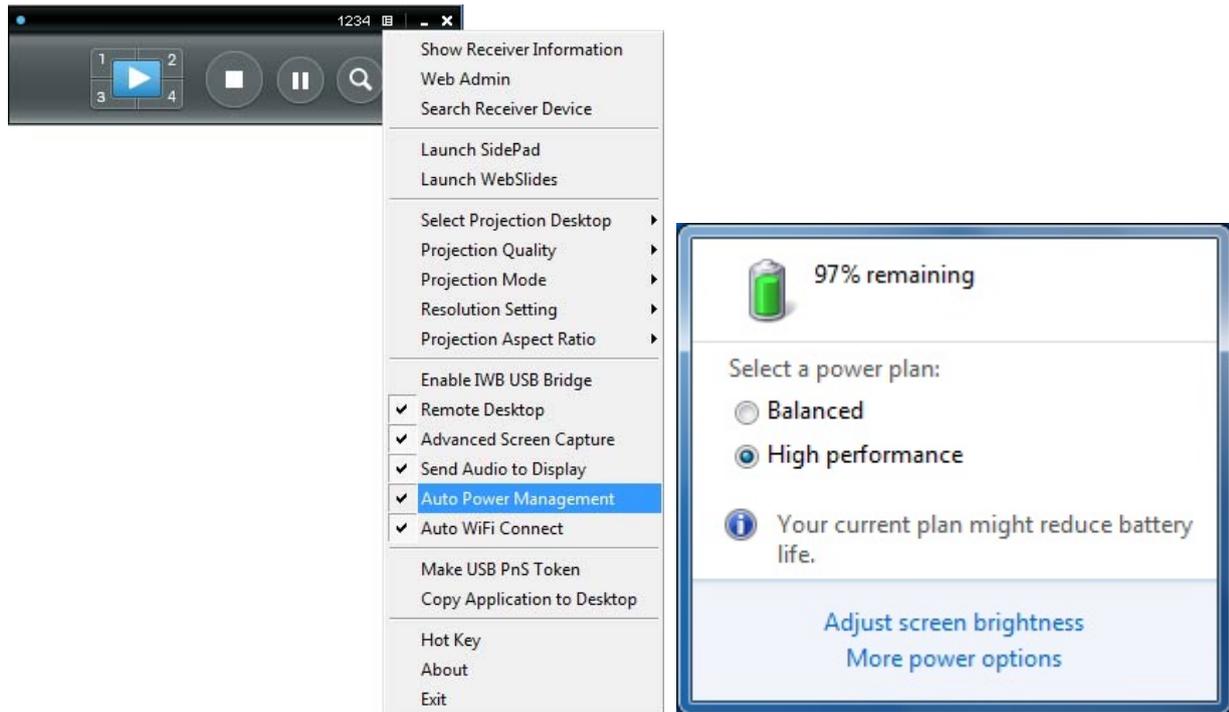


Figure 3-18 WIPG Utility – Auto Power Management

### 3.2.15. Auto Wi-Fi Connect

Click “**Auto Wi-Fi Connect**” to enable the auto Wi-Fi discovery and connection function for quick establishment of wireless connection.

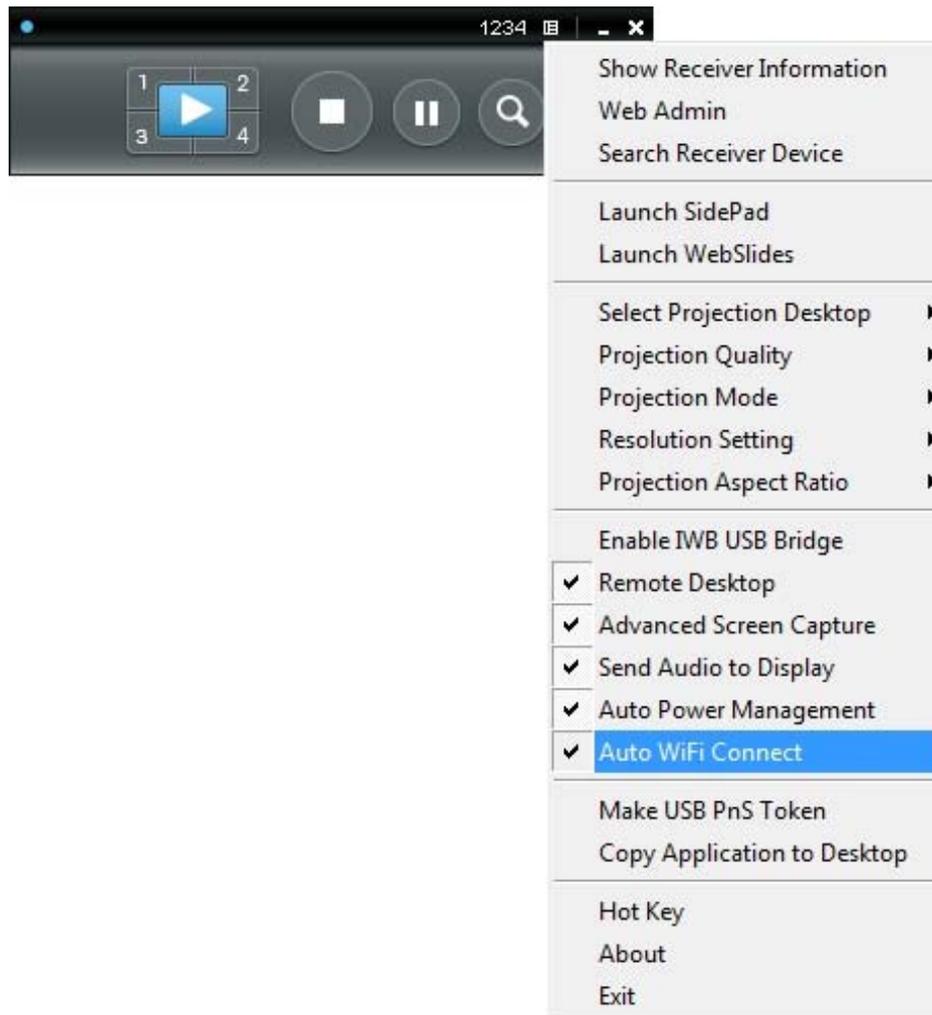


Figure 3-19 WIPG Utility – Auto Wi-Fi Connect

### 3.2.16. Make USB PnS Token

Click “**Make USB PnS Token**” to make a USB WPS Token; you can insert a USB and follow the wizard to make the Token. After completion, you can plug the USB into any PC to do the projection without installing the WIPG software onto every PC.

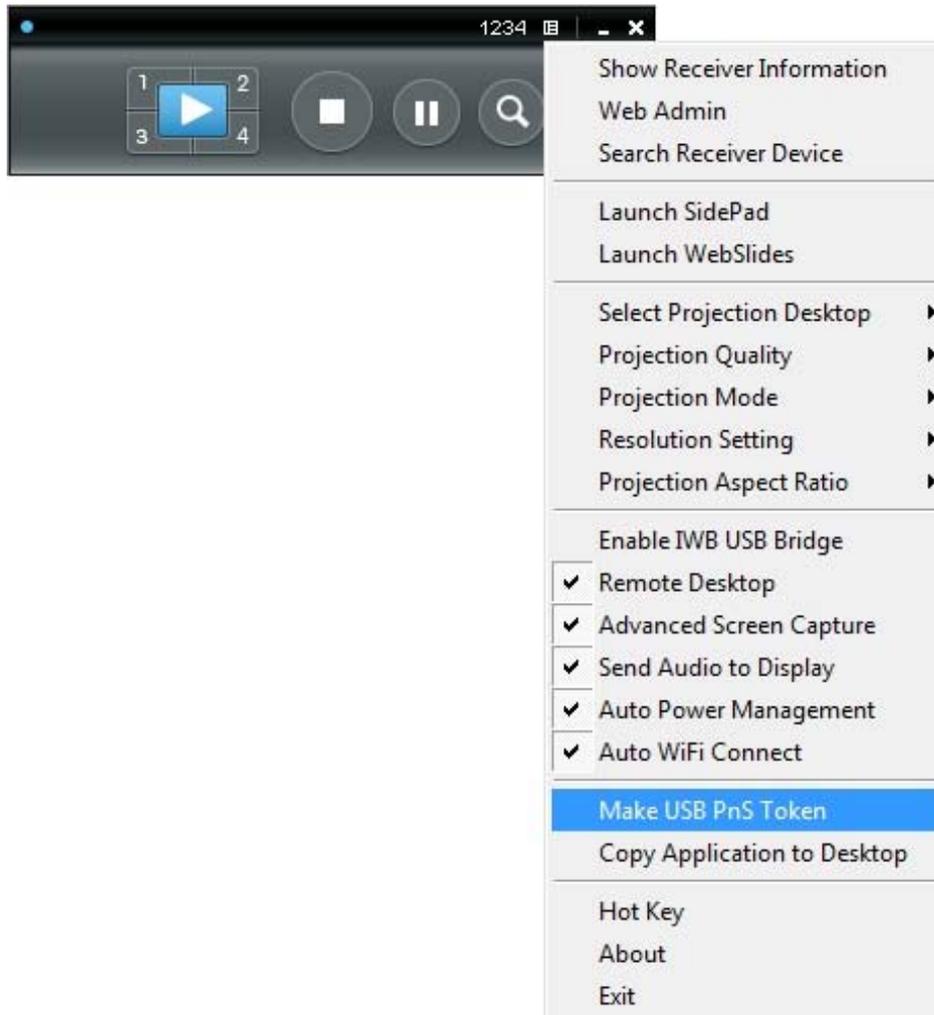


Figure 3-20 WIPG Utility – Make USB PnS Token



Figure 3-21 USB Auto Setup Wizard

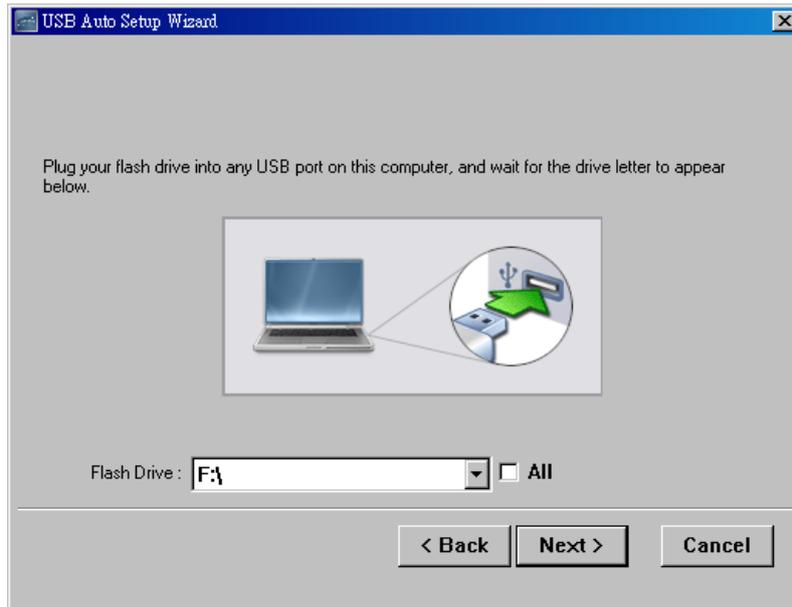


Figure 3-22 USB Auto Setup Wizard

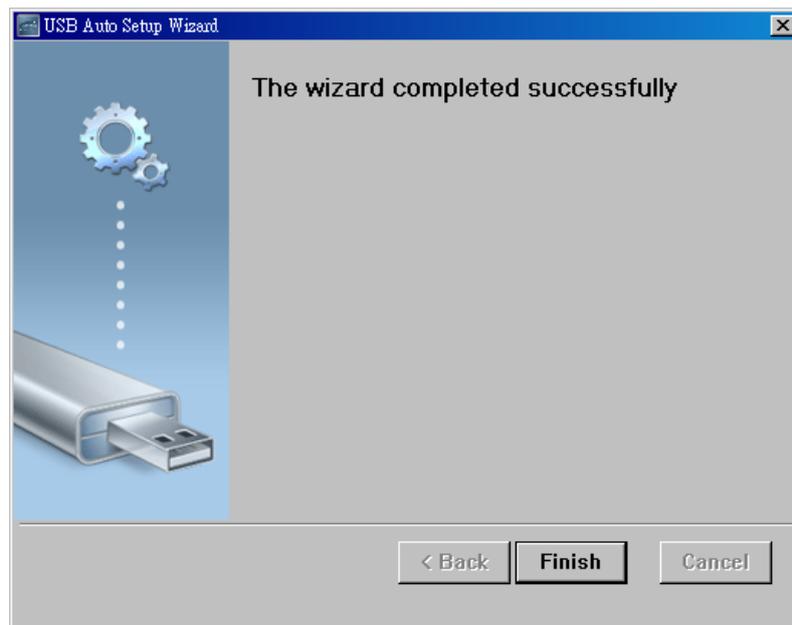


Figure 3-23 USB Auto Setup Wizard

### 3.2.17. Copy Application to Desktop

Click the **“Copy Application to desktop”** to copy the application to your desktop immediately even you don't have the system privilege.

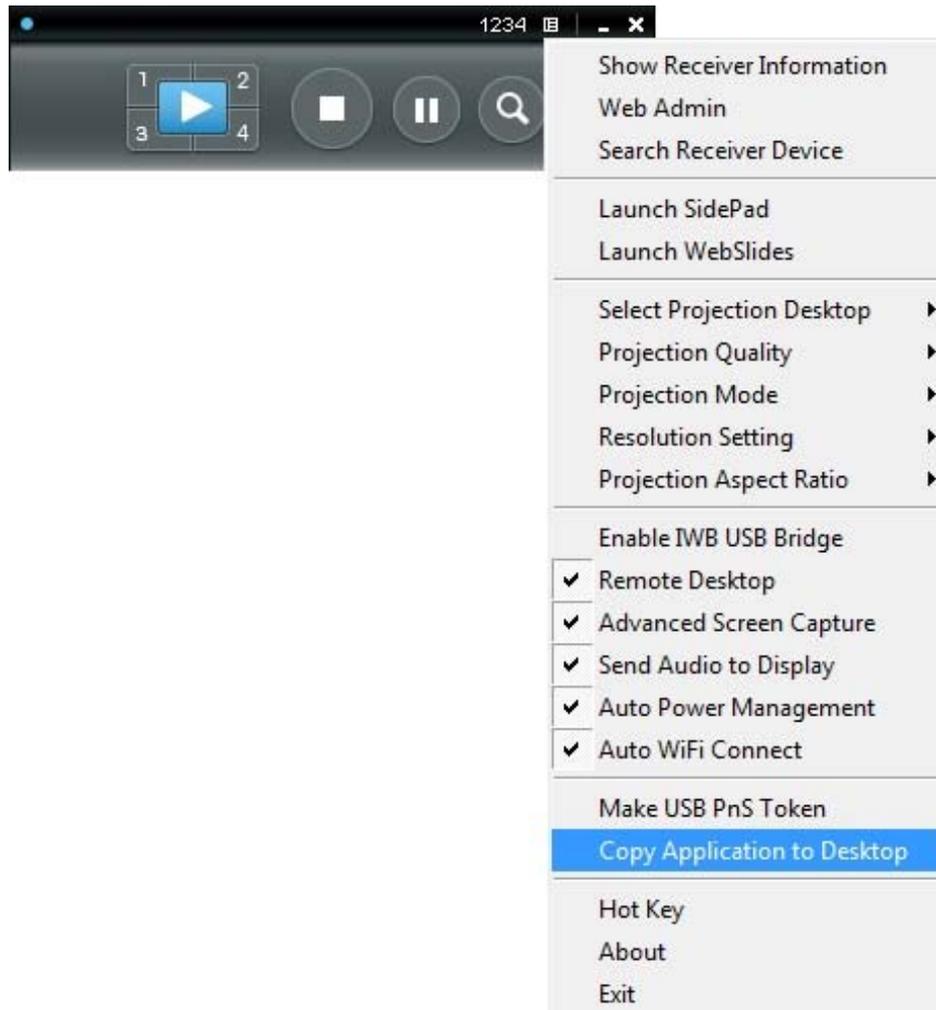


Figure 3-24 WIPG Utility – Copy Application to Desktop

### 3.2.18. Hot Key

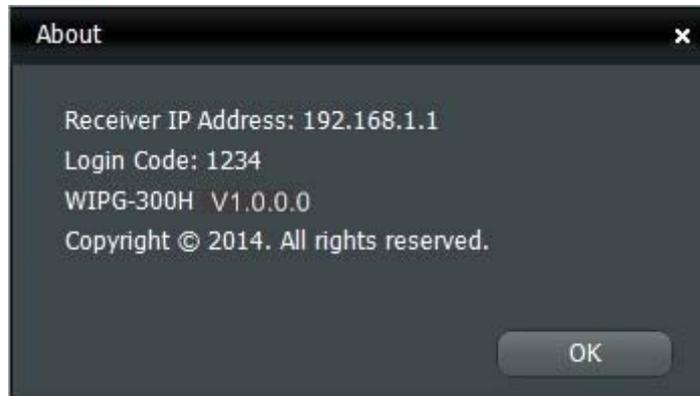
Click on “Hot Key” to display the available Hot Key definitions.



Figure 3-25 WIPG Utility – Hot Key

### 3.2.19. About

Click on **"About"** to show the system information. It includes the client version, server IP address, and login code.



**Figure 3-26** WIPG Utility - About

### 3.2.20. Exit

Click “Exit” to exit the WIPG utility. It will stop the current projection and close the application immediately.

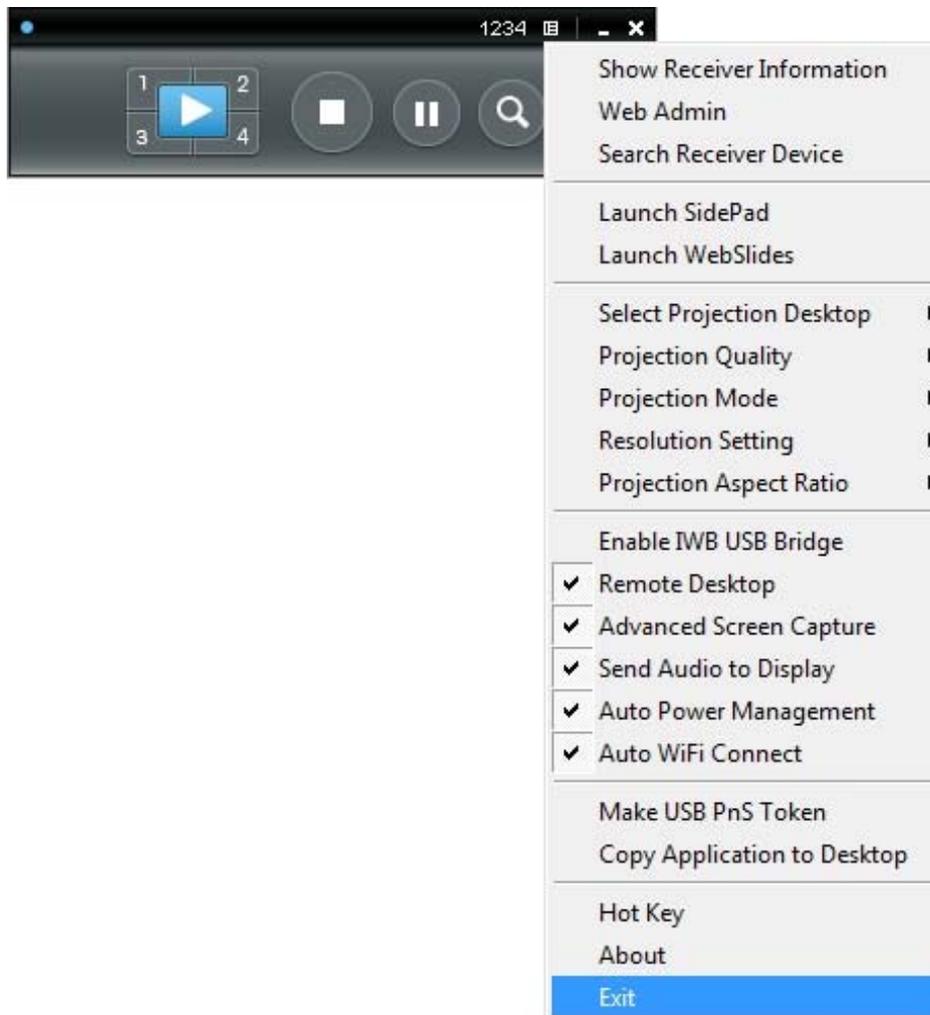


Figure 3-27 WIPG Utility - Exit

## Chapter 4. MAC OS X CLIENT UTILITY

### 4.1. Mac OS X Quick Connection

**Step 1:** Right-click on the **network icon** displayed in the system tray  
The AirPort Network Connection menu will appear



Figure 4-1

**Step 2:** Highlight and select the wireless network (SSID) to connect

- (1) Select and SSID [**WIPG-300H**]
- (2) Double-click on the selected SSID

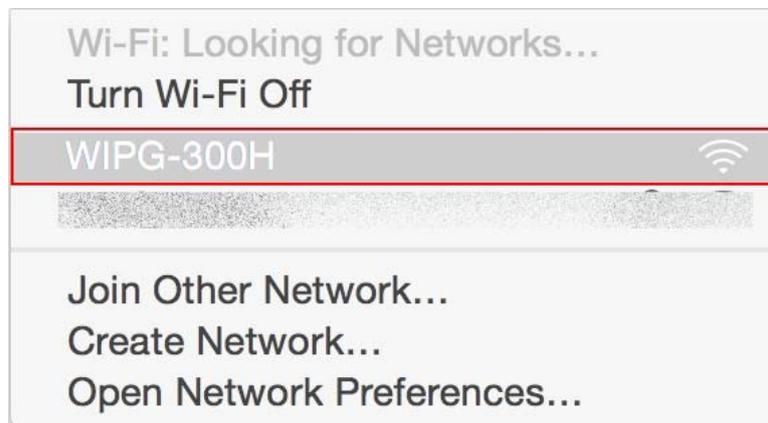


Figure 4-2

**Step 3:** Enter the **encryption key** of the WIPG-300H

- (1) Enter the encryption key that configured in [section 5.4.3](#)
- (1) Click the [**Join**] button



Figure 4-3



Note

If you want to connect this WIPG-300H in the future, check [**Remember this network**].

**Step 4:** Check if the AirPort is connected to the selected wireless network.

If "Yes", then there will be a "check" symbol in the front of the SSID.

**Step 5:** Open the web browser and it will redirect to WIPG-300H home page automatically. Or you can enter the default IP address <http://192.168.1.1> to access it.



Figure 4-4

After a moment, the main screen appears as shown in [Figure 4-5](#)



Figure 4-5

## 4.2. Download Mac OS X Client Utility

**Step 1.** : Click “Download”.

**Step 2.** : Choose the utility for “MAC” and then click **Download** button and execute the installation program.

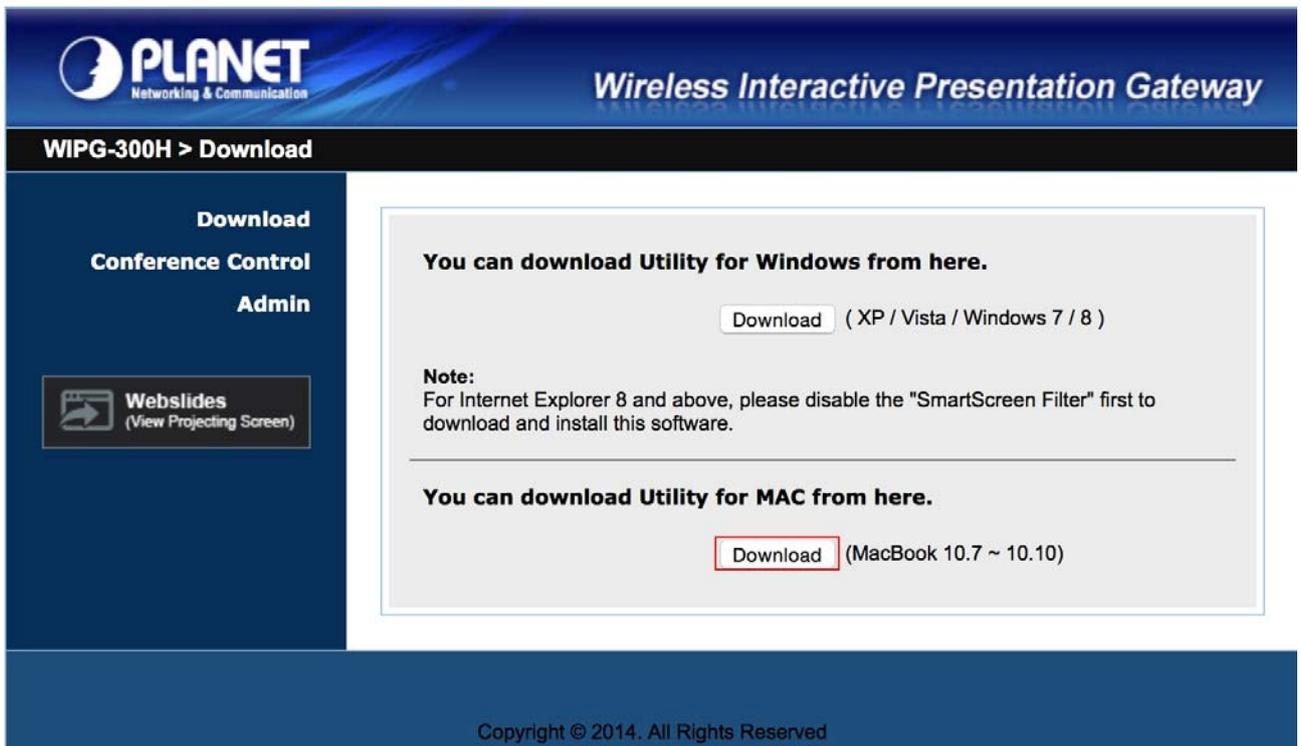


Figure 4-6

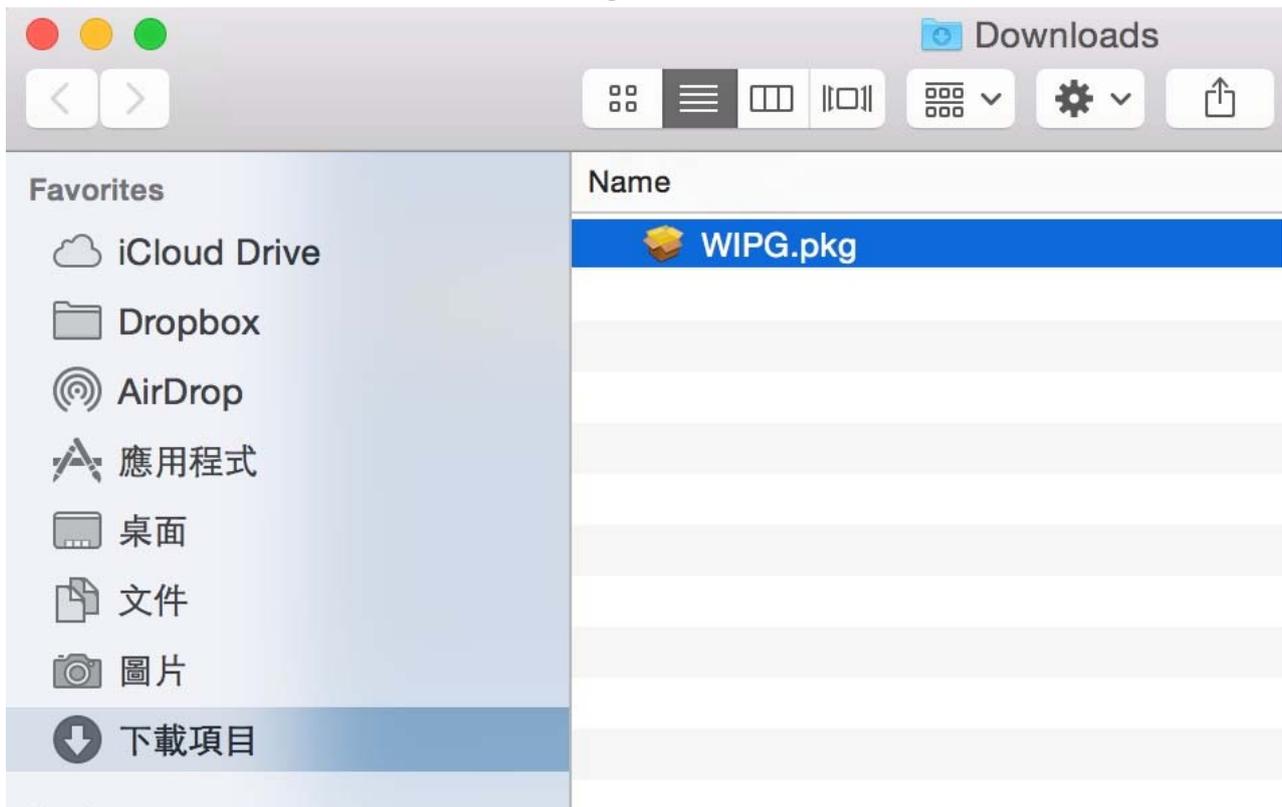


Figure 4-7

**Step 3.** : Follow Installation Wizard instructions to proceed till the installation process is completed.

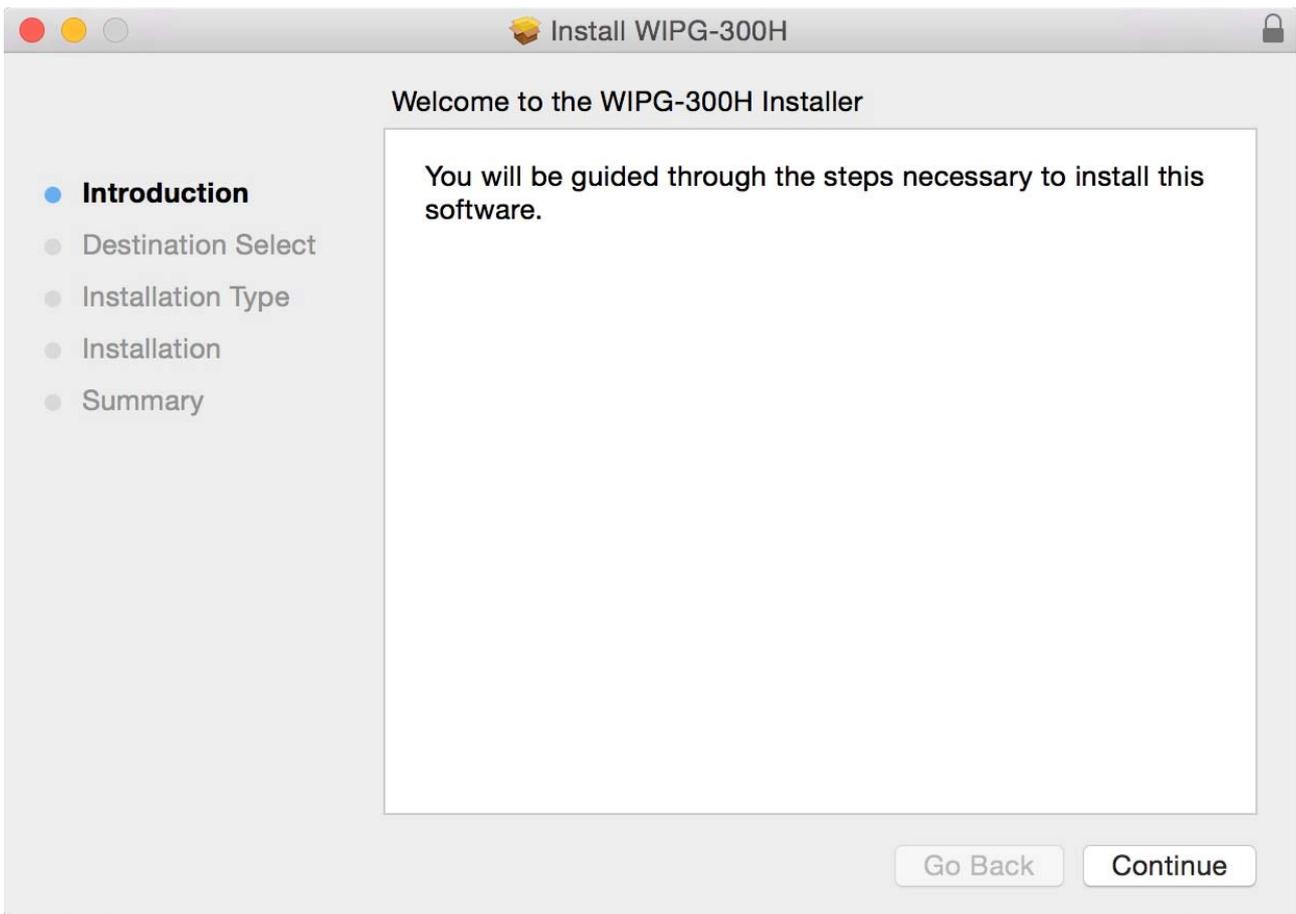
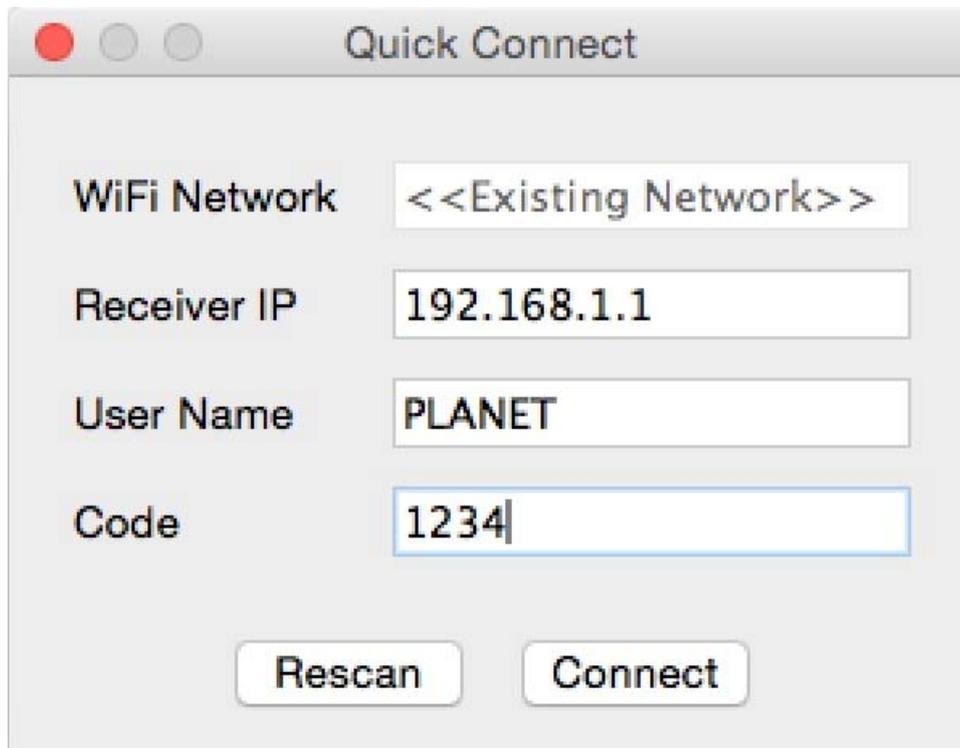


Figure 4-8

**Step 4.** Click “WIPG” icon to execute the program.



**Step 5.** WIPG will start to search the available access points automatically if you have not connected your MAC to WIPG-300H manually. When the WIPG-300H is displayed in the list, please click it to connect and then enter the Login Code shown on the projector screen.



Quick Connect

WiFi Network <<Existing Network>>

Receiver IP 192.168.1.1

User Name PLANET

Code 1234

Rescan Connect

Figure 4-9

**Step 6.** Ready to execute the program.



Figure 4-10

### 4.3. Main User Interface

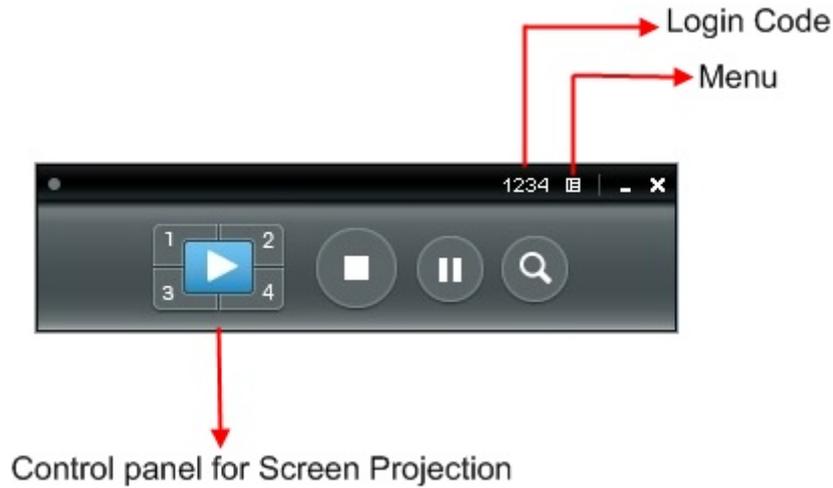


Figure 4-11

### 4.4. Screen Projection

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



Figure 4-12

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
	Enable the Magnifier function

## 4.5. MAC Audio Projection

Before starting Audio Projection, please install the “**Soundflower.mpkg**” (MAC system extension for audio using) on your computer. Please find the software in USB Token.

- 1) Execute the “**Soundflower.pkg**” in the Mac OS.
- 2) It will pop up a window “**Welcome to the Soundflower Installer**” and then please click “**Continue**”.

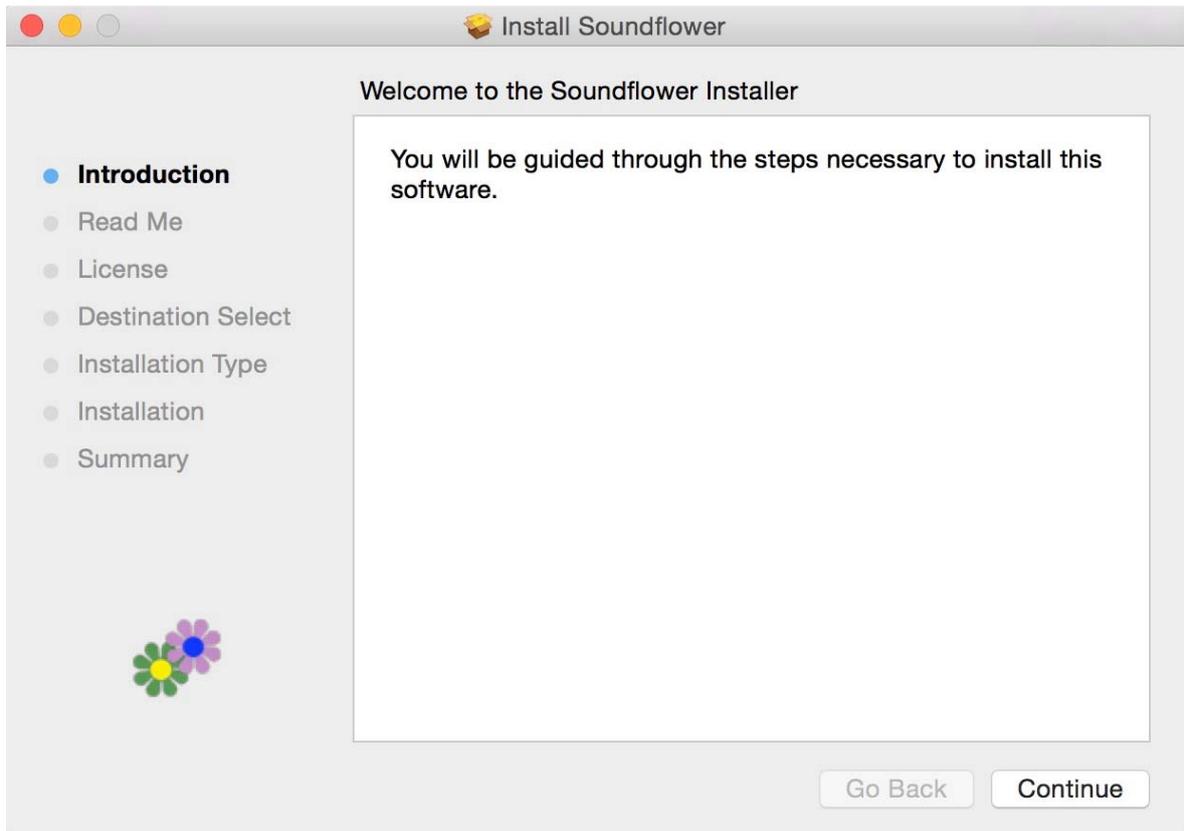


Figure 4-13

3) After reading the important information, please click “Continue” to go to the next step.



Figure 4-14

4) Select the language and click “Continue”.

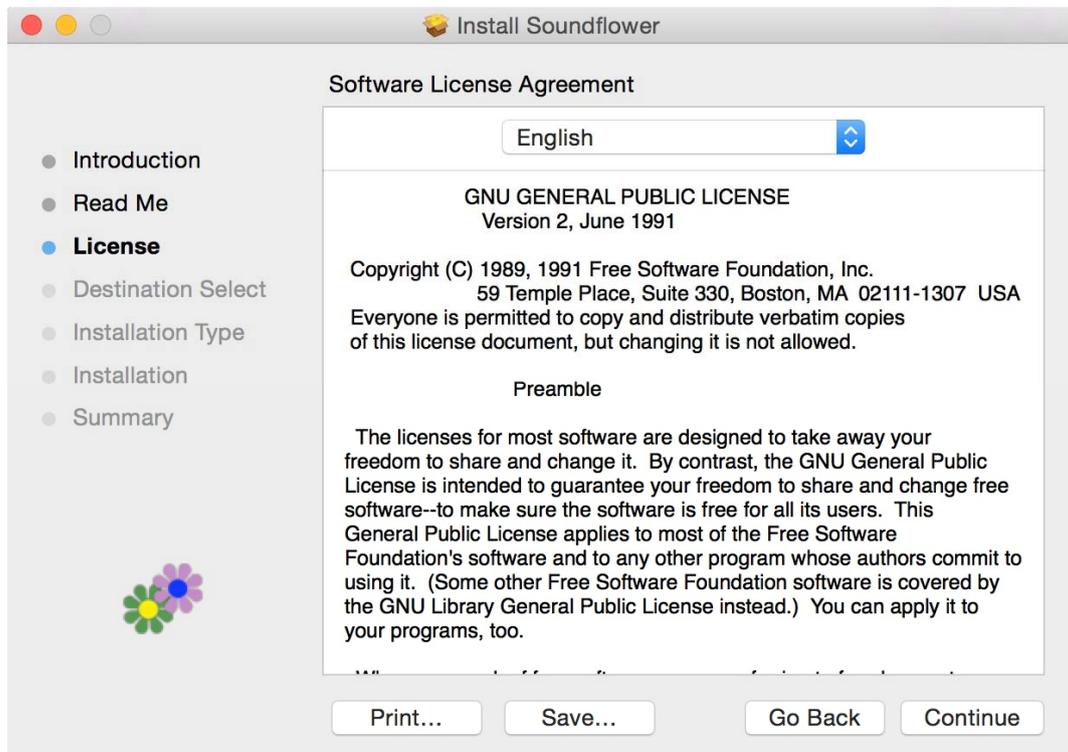


Figure 4-15

5) Click **“Agree”** and then click **“Continue”**.

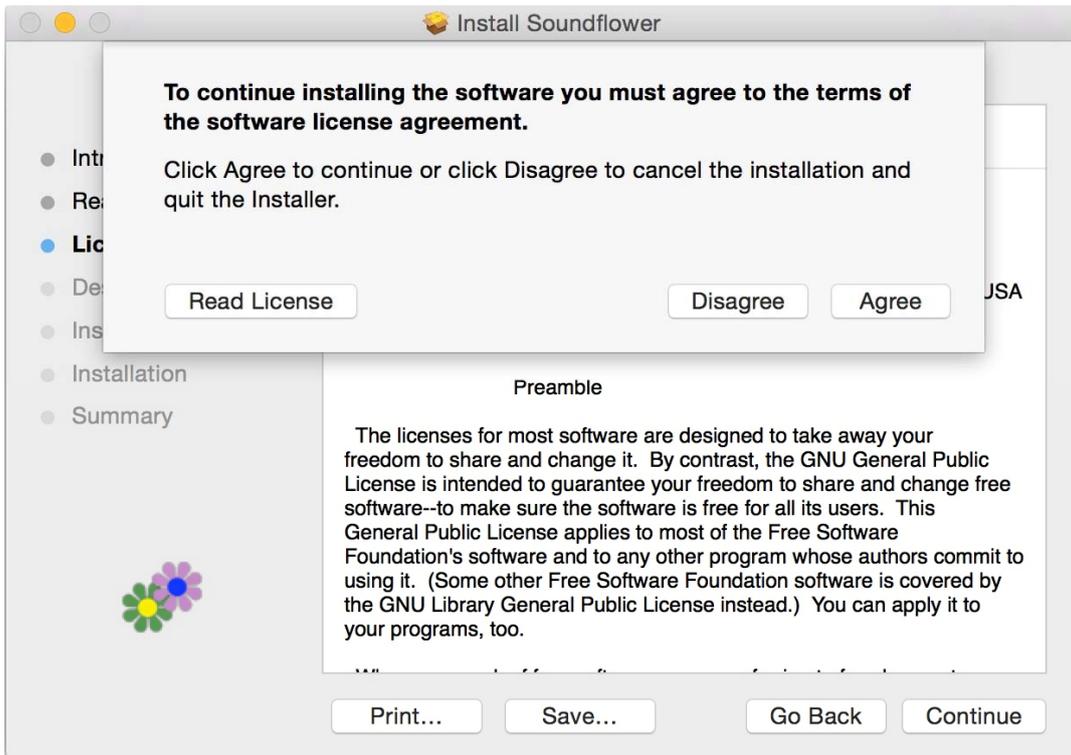


Figure 4-16

6) Click **“Install”**.

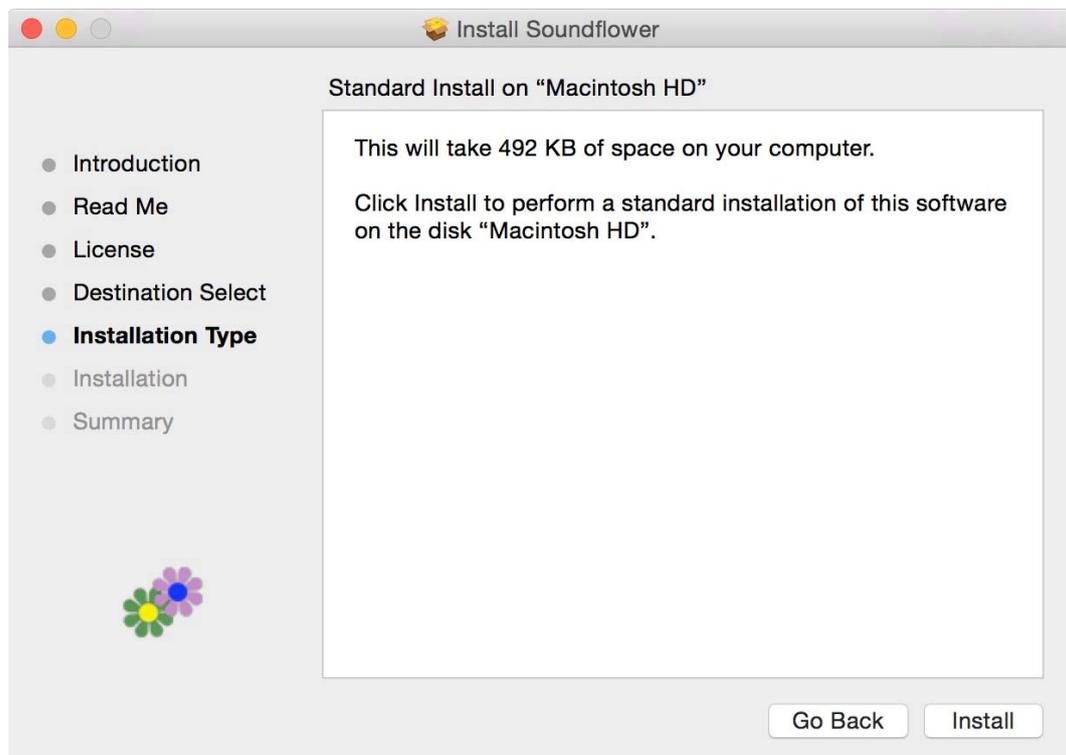


Figure 4-17

7) Enter your Username and Password of the System. Then, click “Install Software”.

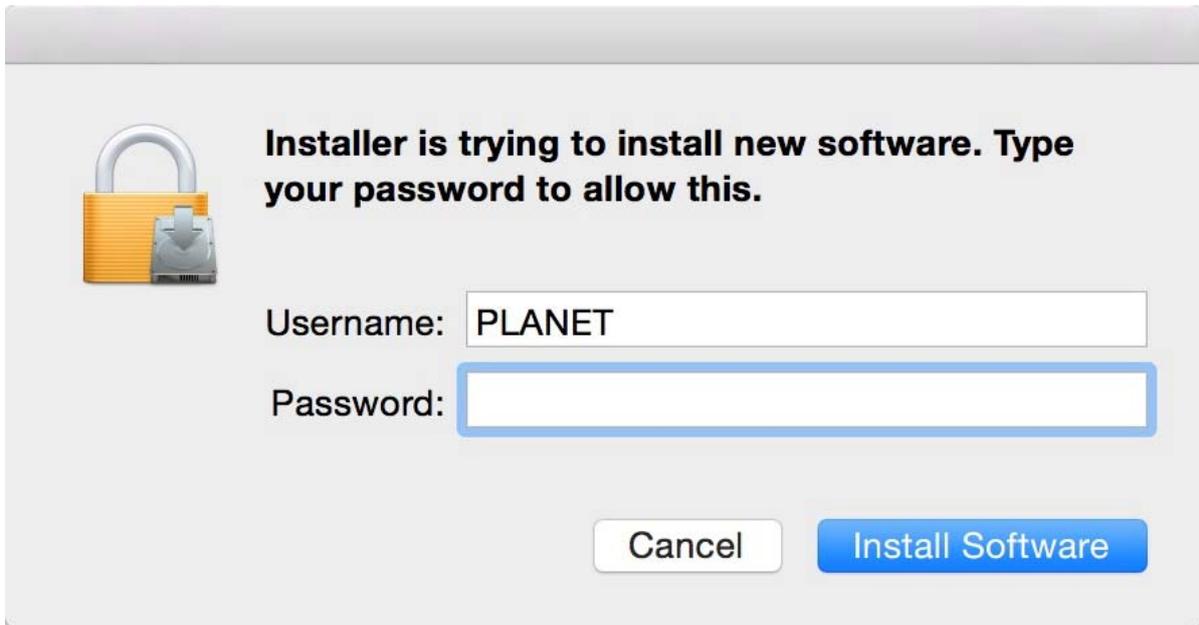


Figure 4-18

8) A notice will pop up to remind you that computer will restart after finishing the installation. Please click “Continue Installation”.

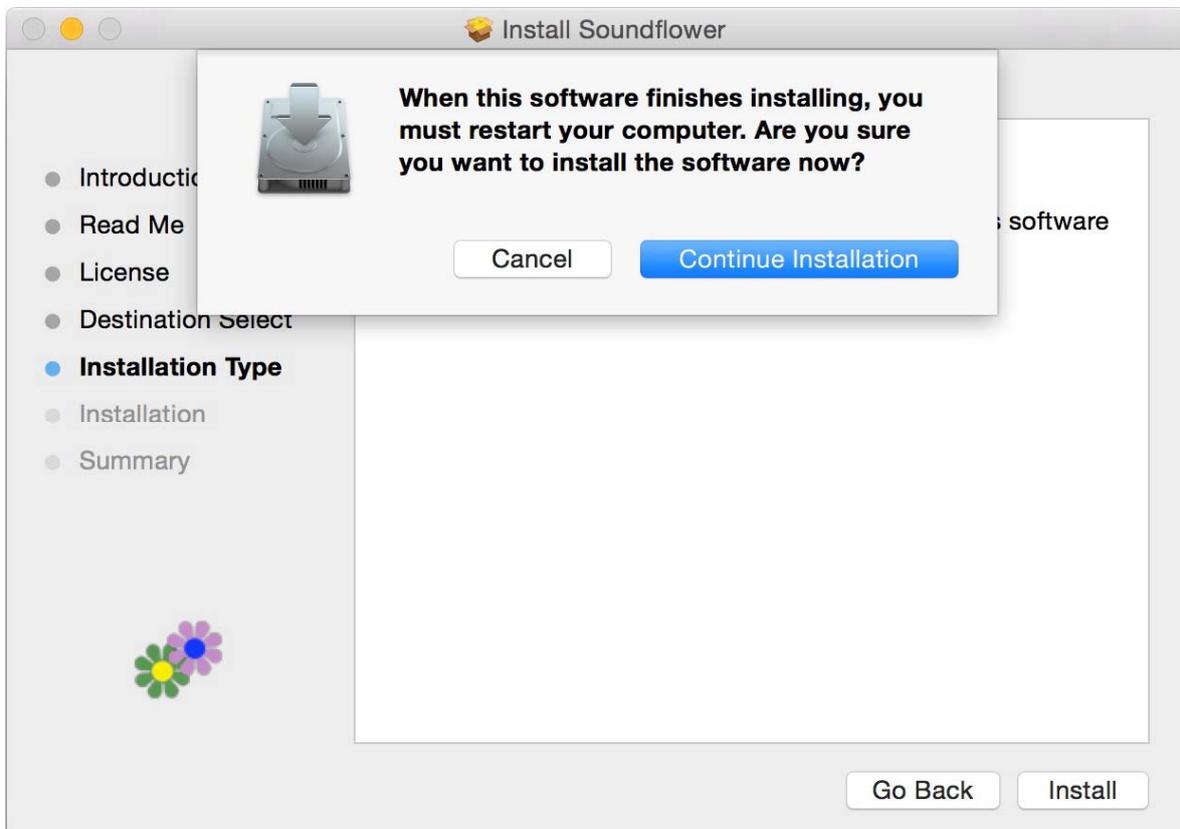


Figure 4-19

9) When the installation is successful, click **Restart** to restart your computer.

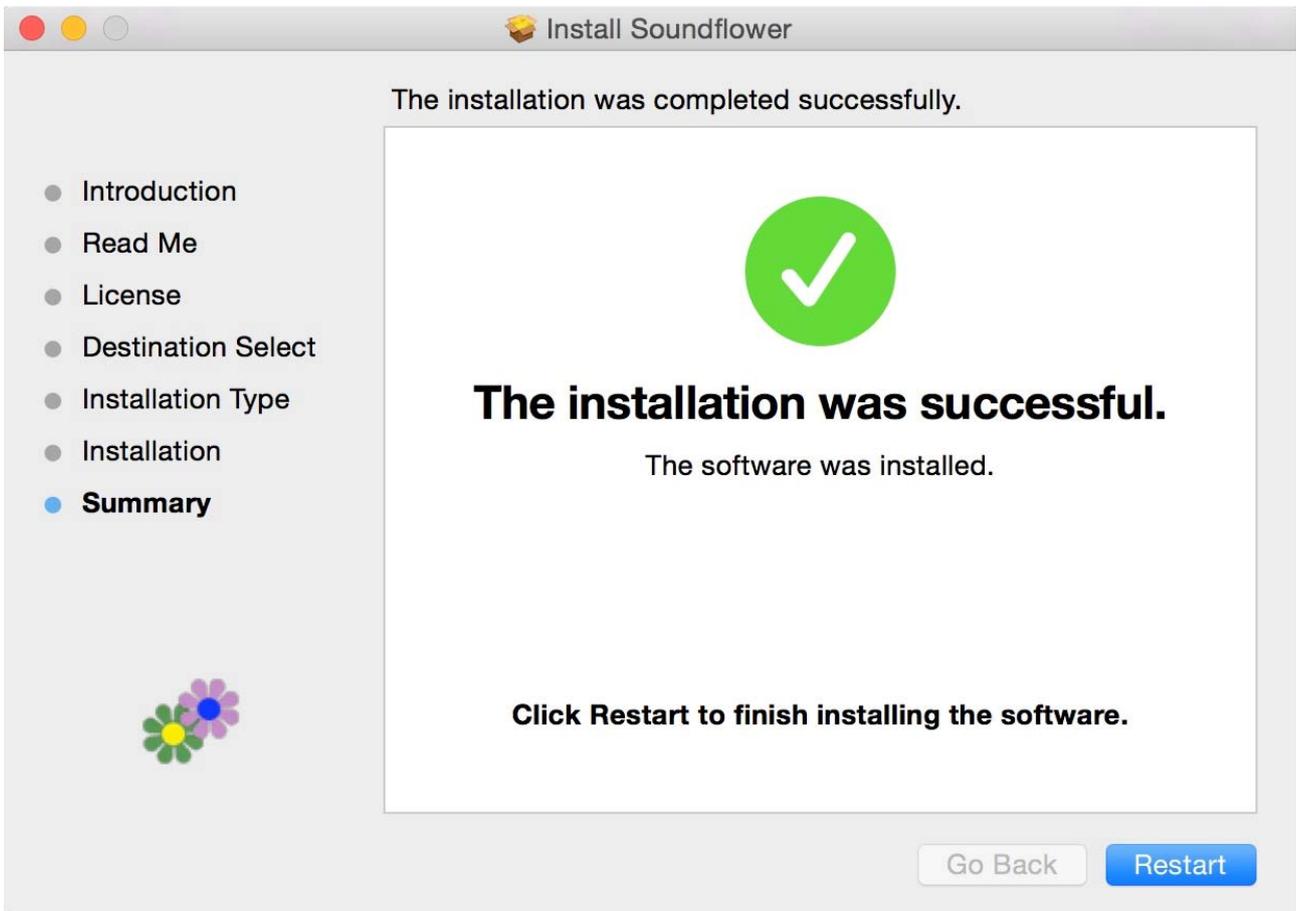


Figure 4-20

10) After restarting the computer, you will see there is a sunflower icon displayed in the system taskbar. Then, you can configure your audio output per your preference.

※ If the icon is not displayed, please execute the program of WIPG-300H first.

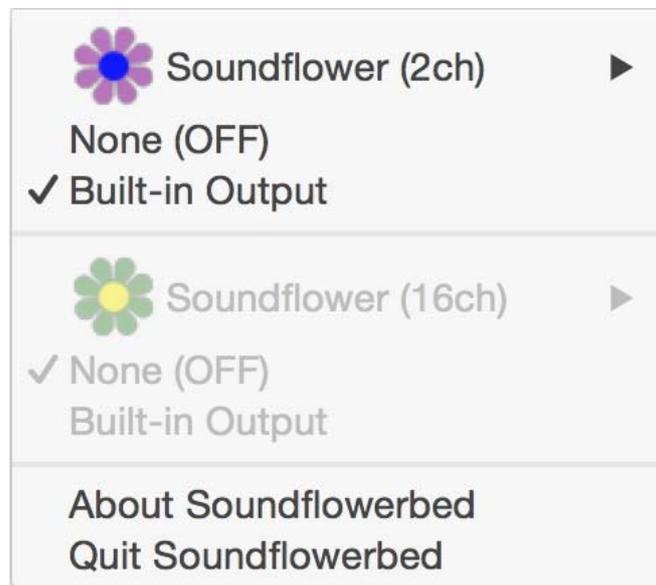


Figure 4-21

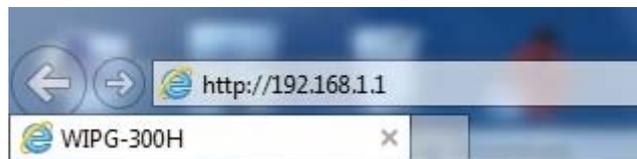
## Chapter 5. WEB UI MANAGEMENT

### 5.1. WIPG-300H Homepage

Please follow the steps below to enter the web UI of WIPG-300H.

**Step 1.** First, please connect your PC to WIPG-300H (via wired or wireless).

**Step 2.** Open the web browser and it will redirect to WIPG-300H home page automatically. Or you can enter the default IP address <http://192.168.1.1> to access it.



After a moment, the main screen appears as shown in [Figure 5-1](#).



**Figure 5-1**

The following sections will introduce the detailed instructions of the web UI functions.

## 5.2. Download

Please follow the steps below to download and execute the WIPG installation program.

**Step 1.** Click “Download”.

**Step 2.** Choose the WIPG utility for “XP / Vista / Windows 7 / 8” or “Mac OS X” and then click Download button and execute the installation program.

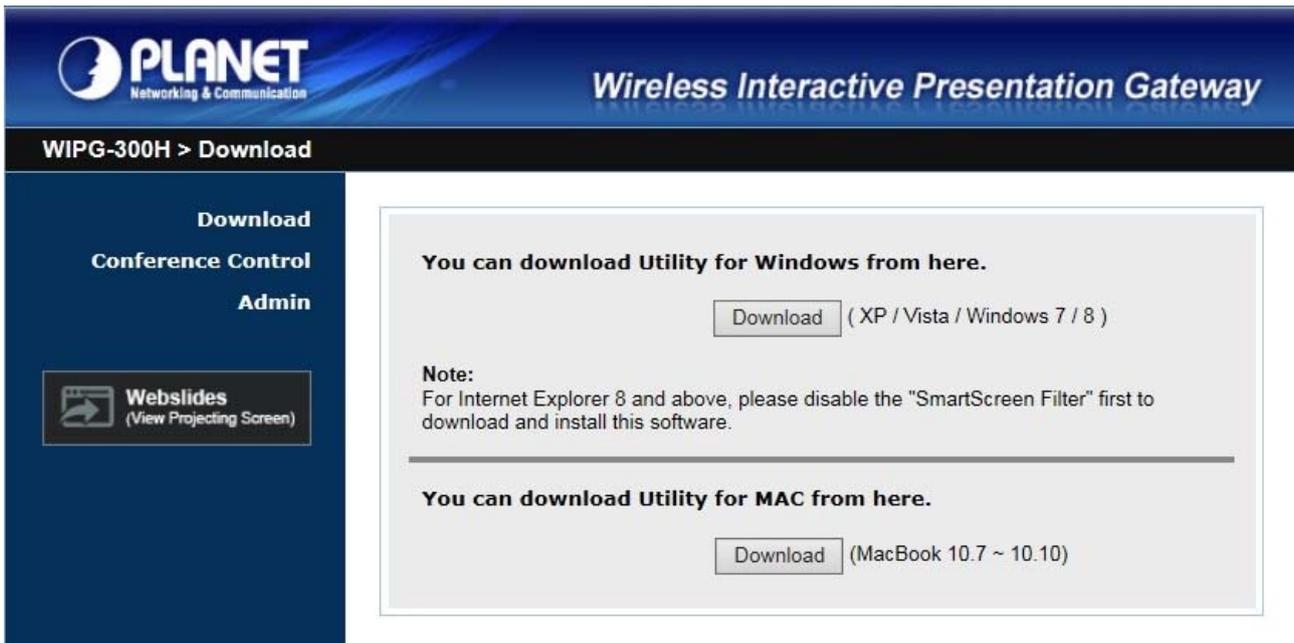


Figure 5-2

**Step 3.** Follow Installation Wizard instructions to proceed till the installation process is completed. Once installation is completed, a WIPG utility shortcut  will appear on the desktop.



Note

If the “Windows Security Alert” pops up, just press “Unblock” button to continue the installation.

### 5.3. Conference Control

This function allows you to host a meeting without the projector cable swapping, and each participant is able to show their own presentation easily. Please follow the steps below to execute Conference Control.

**Step 1.** Click “Conference Control”.

**Step 2.** Enter the password. The default value is “moderator”. Then press Login button.



Figure 5-3

**Step 3.** After login, you can see a user list on the screen which indicates the clients who have already logged in into the WIPG utility. There are three columns, “Name”, “Play Control” and “IP Address”.

There are six buttons:

Play (Full Screen)	Play Split #1	Play Split #2
Play Split #3	Play Split #4	Stop



Figure 5-4

## 5.4. Admin

This function allows you to login web management UI of WIPG-300H. Click “Admin”, and enter the password. The default value is “admin”. Then click the **Login** button or press the **Enter** key.

Please refer to the following sections for further configuration of the web management UI.



Figure 5-5

Default IP Address: **192.168.1.1**

Default Password: **admin**

After entering the password, the main screen appears as shown in Figure 5-6.

### 5.4.1. System Status

On this page, you can see the current status and some basic settings of the presentation gateway.

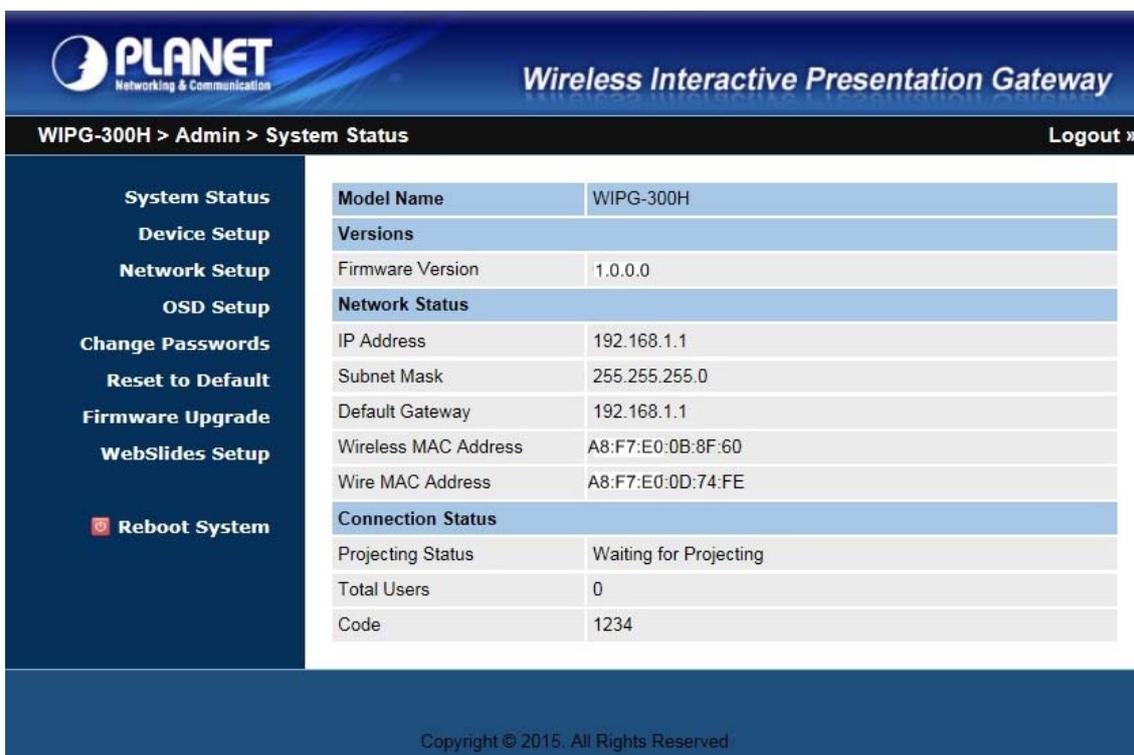


Figure 5-6

Object	Description
Model Name	Product model name
Firmware Version	Product firmware version number
<b>Network Status</b>	
IP Address	The IP address of WIPG-300H
Subnet Mask	The subnet mask
Default Gateway	The default gateway
Wireless MAC Address	The wireless MAC address
Wired MAC Address	The wired MAC address
<b>Connection Status</b>	
Projecting Status	It shows "Waiting for projecting" or "Projecting".
Total Users	The number of users who has already logged in into WIPG utility
Code	Login code

5.4.2. Device Setup

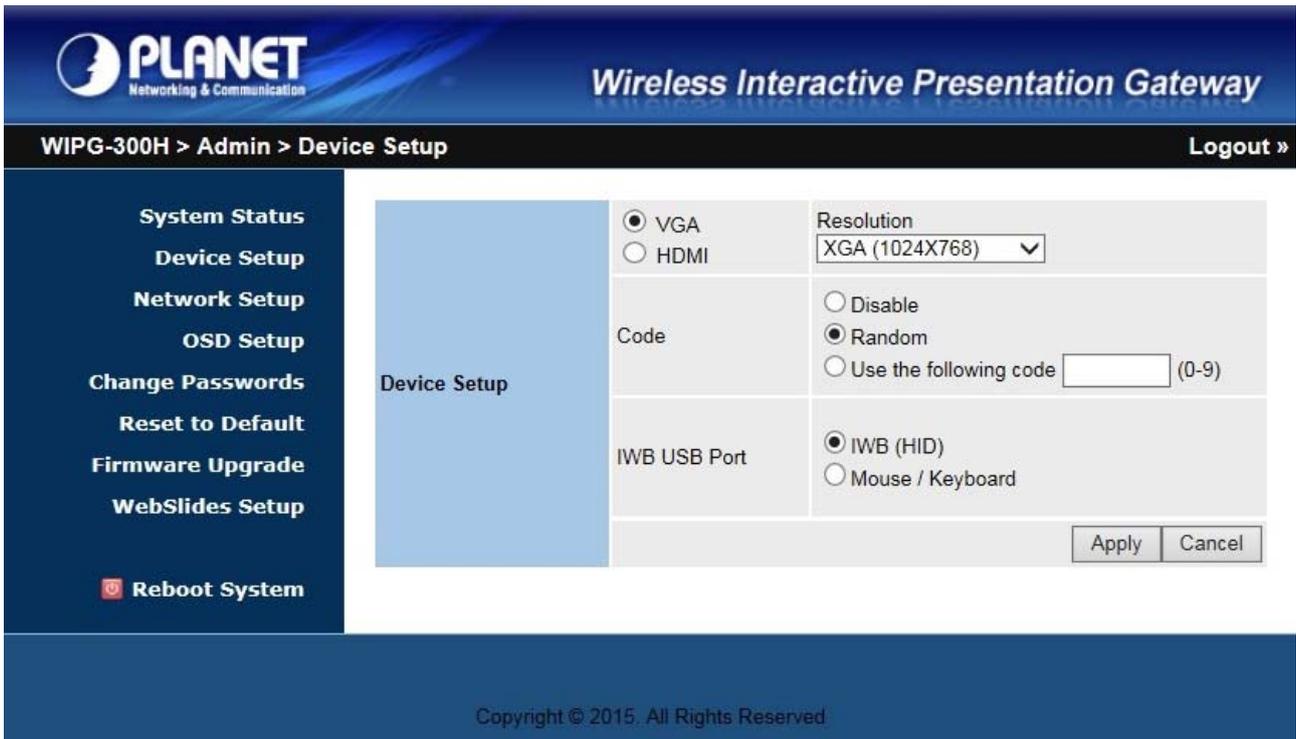


Figure 5-7

Object	Description
Resolution	<p><b>VGA:</b></p> <p>SVGA (800x600) / XGA (1024x768)                      WXGA(1280x768) / WXGA(1280x800)                      WXGA (1360x768) / WXGA+ (1440x900)                      UXGA (1600x1200)</p> <p><b>HDMI:</b></p> <p>720p (1280x720) / 1080i (1920x1080)                      1080p (1920x1080)</p>
Code	You can select “Disable”, “Random”, or “Use the following code” to set a specified 4-characters Number.
IWB USB Port	You can configure the IWB USB port to support “IWB (HID)” device or “Mouse/Keyboard” device.



The default setting of project output port is VGA. However, The HDMI cable will still work if you plug it before powering on the WIPG-300H.

Click the Apply button to make the changes to take effect.

### 5.4.3. Network Setup

This page is used to configure the parameters for local area network which connects to the LAN port or wireless interface. Here you may change the setting for IP address, subnet mask, DHCP, etc.

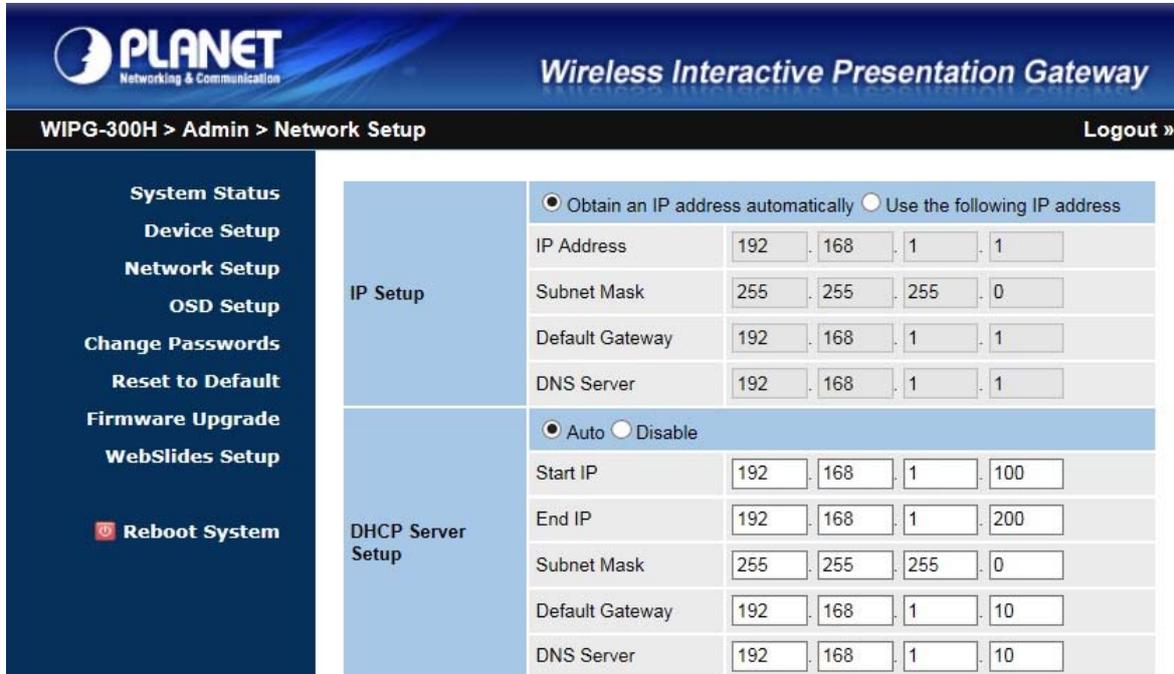


Figure 5-8-1

#### ■ IP Setup

The page includes the following detailed fields:

Object	Description								
<b>IP Setup</b>									
<b>Obtain IP address automatically</b>	<p>If you select this option, the WIPG-300H will detect the network environment automatically.</p> <ul style="list-style-type: none"> <li>■ When WIPG-300H is connected to a LAN that <b>has DHCP server</b>, the clients of WIPG-300H will assign an IP by that server and the built-in DHCP server of WIPG-300H will be disabled.</li> <li>■ When the WIPG-300H is connected to a LAN that <b>does not have any DHCP server</b>, the built-in DHCP server of WIPG-300H will be enabled and the clients of WIPG-300H will obtain IP address by itself.</li> </ul>								
<b>Use the following IP address</b>	<p>Or you can select this option to use the fixed IP address for WIPG-300H. (Default Settings)</p> <table border="1"> <tr> <td><b>IP Address</b></td> <td>The default value is 192.168.1.1</td> </tr> <tr> <td><b>Subnet Mask</b></td> <td>The default value is 255.255.255.0</td> </tr> <tr> <td><b>Default Gateway</b></td> <td>The default value is 192.168.1.1</td> </tr> <tr> <td><b>DNS Server</b></td> <td>The default value is 192.168.1.1</td> </tr> </table>	<b>IP Address</b>	The default value is 192.168.1.1	<b>Subnet Mask</b>	The default value is 255.255.255.0	<b>Default Gateway</b>	The default value is 192.168.1.1	<b>DNS Server</b>	The default value is 192.168.1.1
<b>IP Address</b>	The default value is 192.168.1.1								
<b>Subnet Mask</b>	The default value is 255.255.255.0								
<b>Default Gateway</b>	The default value is 192.168.1.1								
<b>DNS Server</b>	The default value is 192.168.1.1								

■ **DHCP Server Setup**

Object	Description	
<b>Auto</b>	Select "Auto" to enable the built-in DHCP server of WIPG-300H. (Default Settings)	
	<b>Start IP</b>	The default value is 192.168.1.100
	<b>End IP</b>	The default value is 192.168.1.200
	<b>Subnet Mask</b>	The default value is 255.255.255.0
	<b>Default Gateway</b>	The default value is 192.168.1.10
	<b>DNS Server</b>	The default value is 192.168.1.10
<b>Disable</b>	Or you can select this option to disable the DHCP server of WIPG-300H.	

■ **Wireless Setup**

<b>Wireless Setup</b>	Wireless LAN <input checked="" type="radio"/> Enable <input type="radio"/> Disable	Embedded AP SSID/ NAME WIPG-300H
	SSID Broadcast	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
	Channel	Auto ▼
	Encryption	WPA2 ▼
	Key	..... <input checked="" type="checkbox"/> Hide characters
	Channel Bandwidth	<input type="radio"/> 20MHz <input checked="" type="radio"/> Auto

Figure 5-8-2

The page includes the following detailed fields:

Object	Description
<b>Wireless LAN</b>	The option for enabling or disabling wireless LAN function
	<b>Enable SSID</b> You can configure the SSID string here when Wireless LAN is enabled.
<b>SSID Broadcast</b>	The default value is "Enable".
<b>Channel</b>	If you select "Auto", the WIPG-300H will scan all of the wireless channels and choose a clear one automatically. Or you can select a fixed channel.
<b>Encryption</b>	The option of wireless security. You can select one of <b>WEP / WPA / WPA2</b> , or disable it.
<b>Key</b>	If Encryption is enabled, you have to set the key according to the encryption mode you selected.
<b>Channel Bandwidth</b>	Select from 20M or Auto (20M/40M)

■ **AP Client Setup**

Check "Enable" radio button to switch WIPG-300H to AP client mode. It can join other access points wirelessly. Besides, the clients can also login WIPG-300H for presentation and surf the Internet via other AP simultaneously.

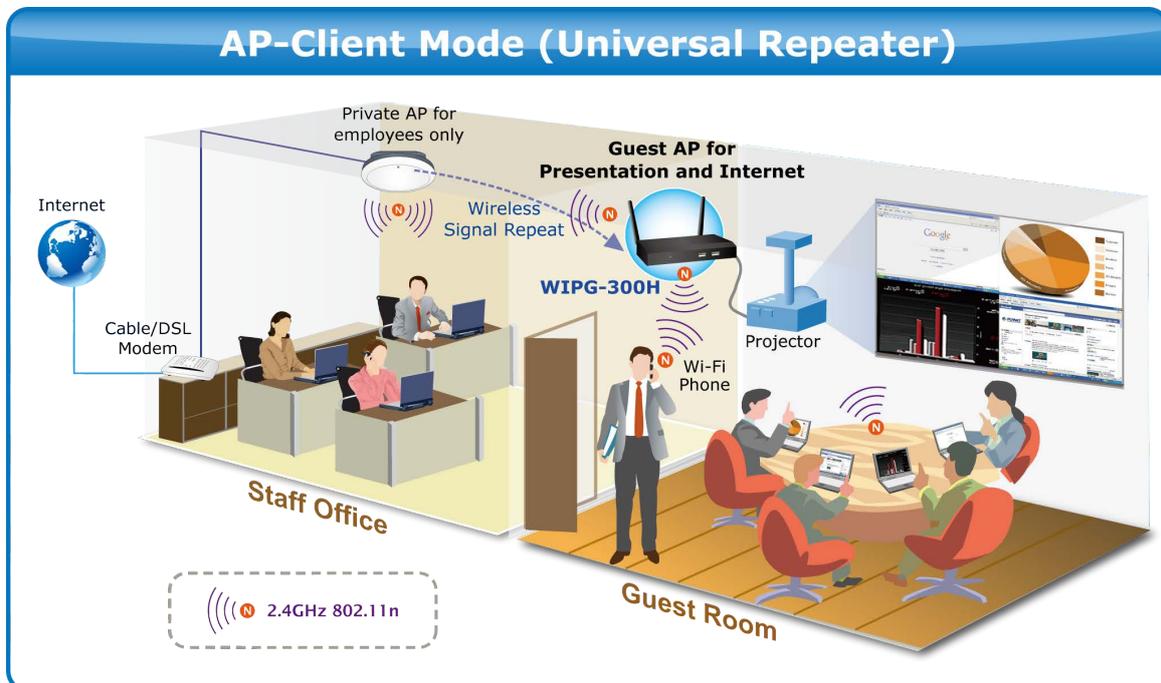


Figure 5-8-3

Ap Client	Connect to Existing AP <input type="radio"/> Enable <input checked="" type="radio"/> Disable	Existing AP SSID <input type="text"/> Scan
	Encryption	Disable ▾
	Key	<input type="text"/> <input checked="" type="checkbox"/> Hide characters
GateKeeper	<input checked="" type="radio"/> All Pass <input type="radio"/> All Block <input type="radio"/> Internet Only	
SNMP	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	

Figure 5-8-4

The page includes the following detailed fields:

Object	Description	
Connect to Existing AP	The option for enabling or disabling AP client mode. By this feature you can join other Access Points wirelessly. And LAN function will be disabled during AP client mode.	
	Existing AP SSID	Enter the existing AP's SSID here when AP client mode is enabled.
Encryption	Choose the wireless security type of the AP you want to join.	
Key	Enter the key of the AP you want to join.	
GateKeeper	Gatekeeper is designed for ensuring the enterprise network security within WIPG-300H.	
	All Pass	Allow the clients of WIPG-300H (guests) to access the whole office network. (Default setting)
	All Block	Block the clients of WIPG-300H (guests) to access the whole office network (LAN).
	Internet only	This option will block the clients of WIPG-300H (guests) from the office network (LAN) but still reserve the Internet connection capability.
SNMP	You can choose enable or disable SNMP function from here.	

Click the Apply button to make the changes to take effect.



To enable the WIPG-300H to run as an AP Client to connect to other existing APs wirelessly, please set the encryption security type to **“WPA AES”** or **“WPA2 AES”**.



Note

LAN function will be disabled during AP client mode.

### 5.4.4. OSD Setup

Users can customize their own OSD (on-screen display) standby image.

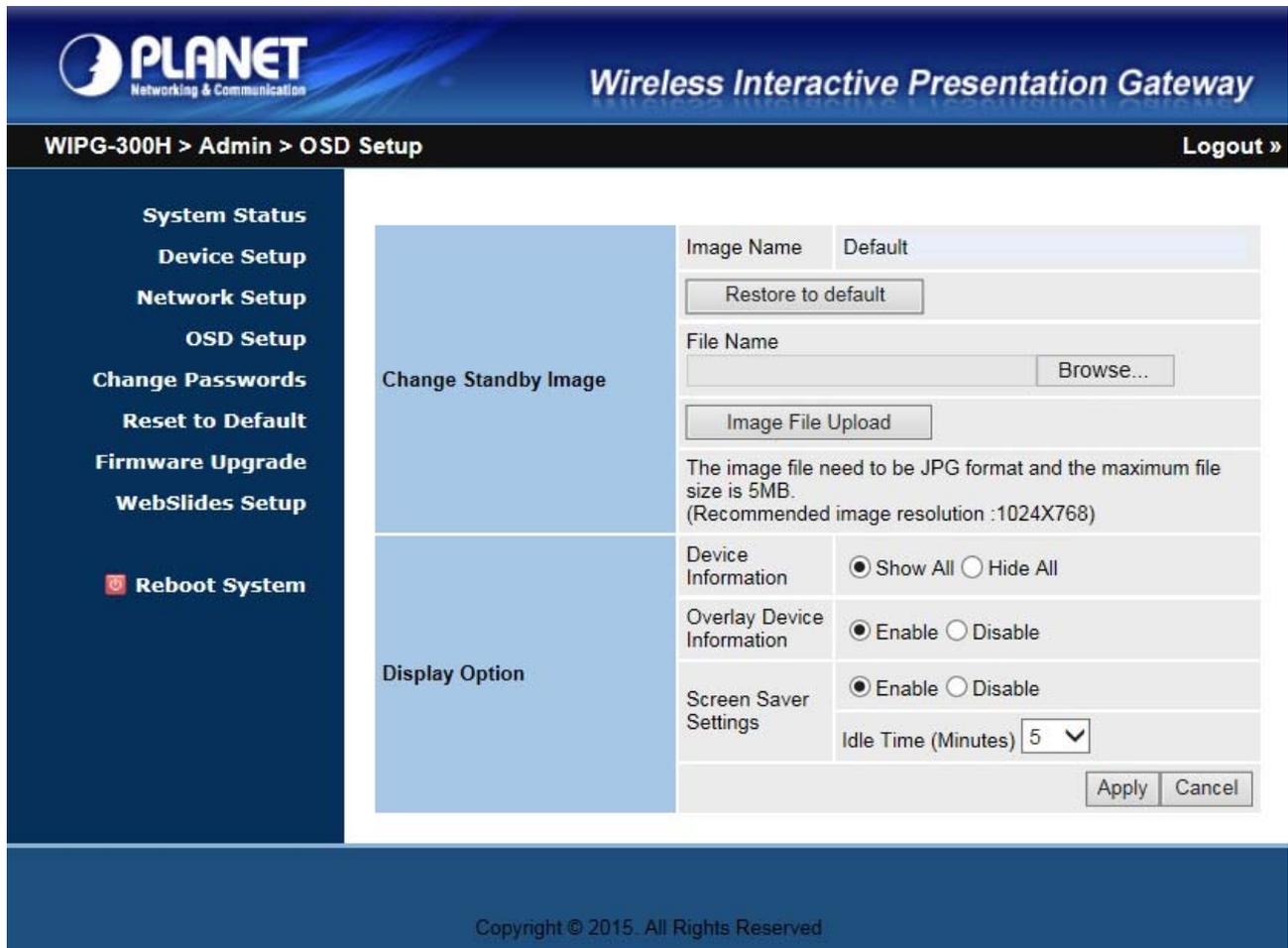


Figure 5-9

The web page includes the following fields:

Object	Description
Restore to default	Restore to the default OSD standby image.
Image File Upload	Upload the customized OSD standby image. Please refer to remark on screen when select the file.
Device Information	Show all or Hide all the device information on standby screen.  When Device Information set Hide option, the "Overlay Device Information" & "Screen Saver Setting" will be disabled
Overlay Device Information	Enable or disable the device information will be show on top of projection screen when doing projection.
Screen Saver Settings	Enable or disable the screen saver and also configure the idle time (Minutes). (Default is 5 minutes)

### 5.4.5. Change Passwords

Users can change the login password. The length of password is up to 8 characters.

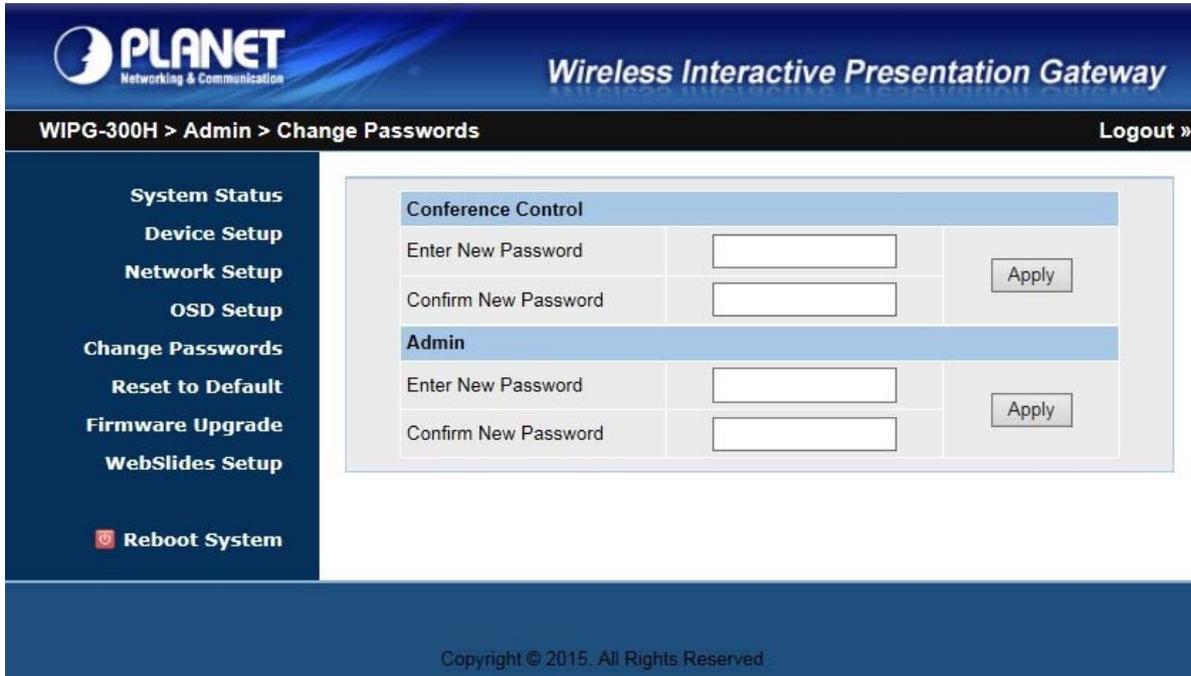


Figure 5-10

Click the Apply button to make the changes to take effect.

### 5.4.6. Reset to Default

This page allows you to reset the current configuration to factory default.



Figure 5-11

Click the Apply button to restore the WIPG-300H to the factory default settings.

### 5.4.7. Firmware Upgrade

This page allows you to upgrade the WIPG-300H firmware to new version. Please note: **Do NOT** power off the device during the upload because it may crash the system.

The screenshot displays the 'Firmware Upgrade' section of the WIPG-300H admin interface. On the left is a dark blue sidebar with a menu of system management options. The main area has a light blue header 'System Configuration' and contains several functional elements: an 'Export System configuration' button, a 'Browse...' button for file selection, and an 'Import' button. Below these are two rows of configuration data: 'Firmware Version' set to '1.0.0.0' and 'Release Date' set to '20141216'. A prominent warning message in red text reads, 'Please stop the projection function first before you apply the Upgrade button!!'. Underneath the warning is a 'File Name' input field with a 'Browse...' button and an 'Upgrade' button. At the bottom of the page, a copyright notice states 'Copyright © 2015. All Rights Reserved'.

Figure 5-12

If it is necessary to upgrade the firmware, please follow the steps below to operate carefully.

**Step 1.** First, download the latest firmware image file from PLANET website.

**Step 2.** Click Browse button to specify the file you want to upgrade.

**Step 3.** Click Upgrade button to start.

**Step 4.** There will be a warning message shown and countdown counter on the screen.

This screenshot shows a warning dialog box during the firmware upgrade. On the left is an icon of a circuit board with flames, indicating a burning or flashing process. The main text reads: 'Please wait while System burns new firmware into your device.' Below this is a red warning message: 'Warning: It needs to take 1~3 minutes to burn the file you transferred into flash memory. During this period, any interrupt such as shut down or reboot the system will cause system crash!!'. At the bottom of the dialog, a progress indicator shows 'Update Progress: : 15%'.

**Step 5.** After a few minutes, a complete message will show on the screen.



**Step 6.** Power off the WIPG-300H and then power on it again.

**Step 7.** Login the web UI, and click Reset to Default to take effect.



New firmware versions posted at the website of PLANET Technology can be downloaded for free. There is no need to upgrade the firmware unless the new firmware has a new feature you want to use.



When you upgrade its firmware, you may lose its current configurations. Do not turn off the WIPG-300H while the firmware is being upgraded; otherwise, the WIPG-300H may be damaged.

### 5.4.8. Weblides Setup

Click on “WebSlides Setup” option, you can: “Adjust Auto Refresh Interval”, or activate “Access Password Control” Please pay attention on the note for information.

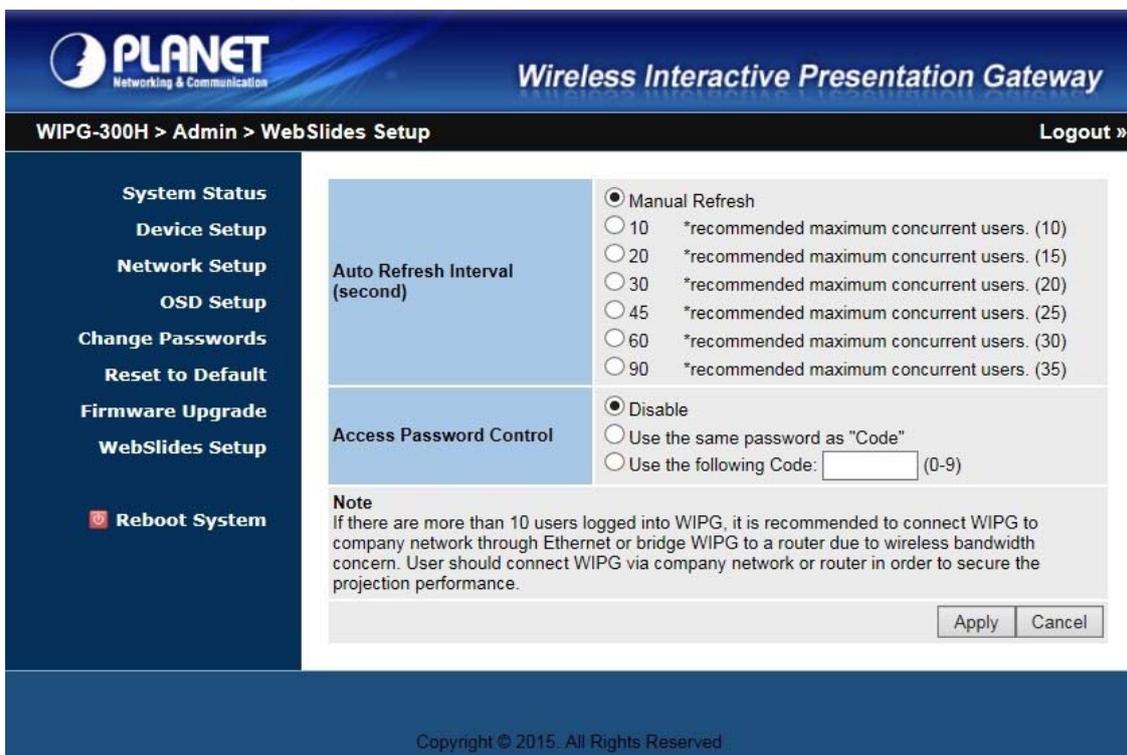


Figure 5-13

### 5.4.9. Reboot System

Press Reboot to reboot system. Please wait for a few minutes and reload web page again.



Figure 5-14

Click Reboot button to restart the WIPG-300H.

## Appendix A: Configuring the PCs

In this section, we'll introduce how to install and configure the TCP/IP correctly in Windows XP. First make sure your Ethernet Adapter is working, refer to the adapter's manual if needed.

### 1. Install TCP/IP component

- 1) On the Windows taskbar, click the **Start** button, point to **Settings**, and then click **Control Panel**.
- 2) Click the **Network and Internet Connections** icon, and then click on the **Network Connections** tab in the appearing window.
- 3) Right-click the icon shown below and select Properties on the prompt page.

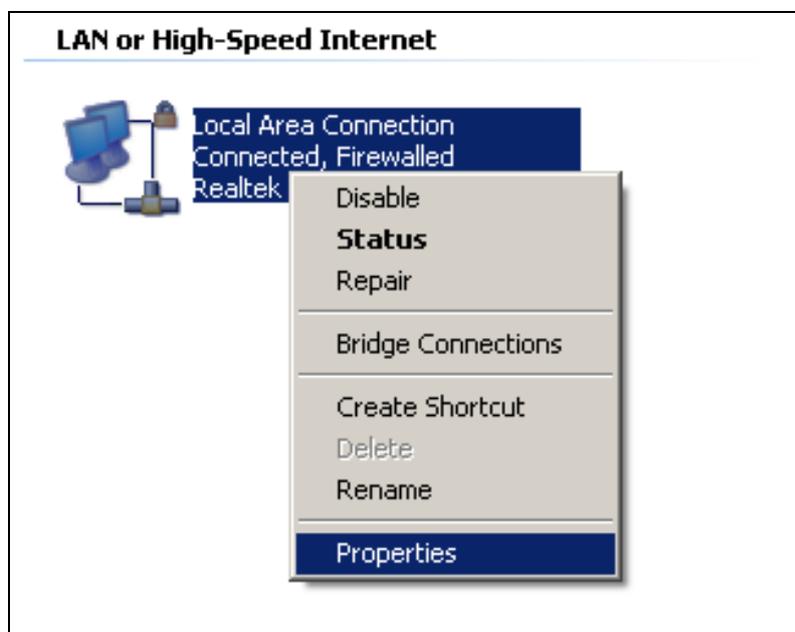


Figure A-1

- 4) On the prompt page shown below, double-click on the **Internet Protocol (TCP/IP)**.

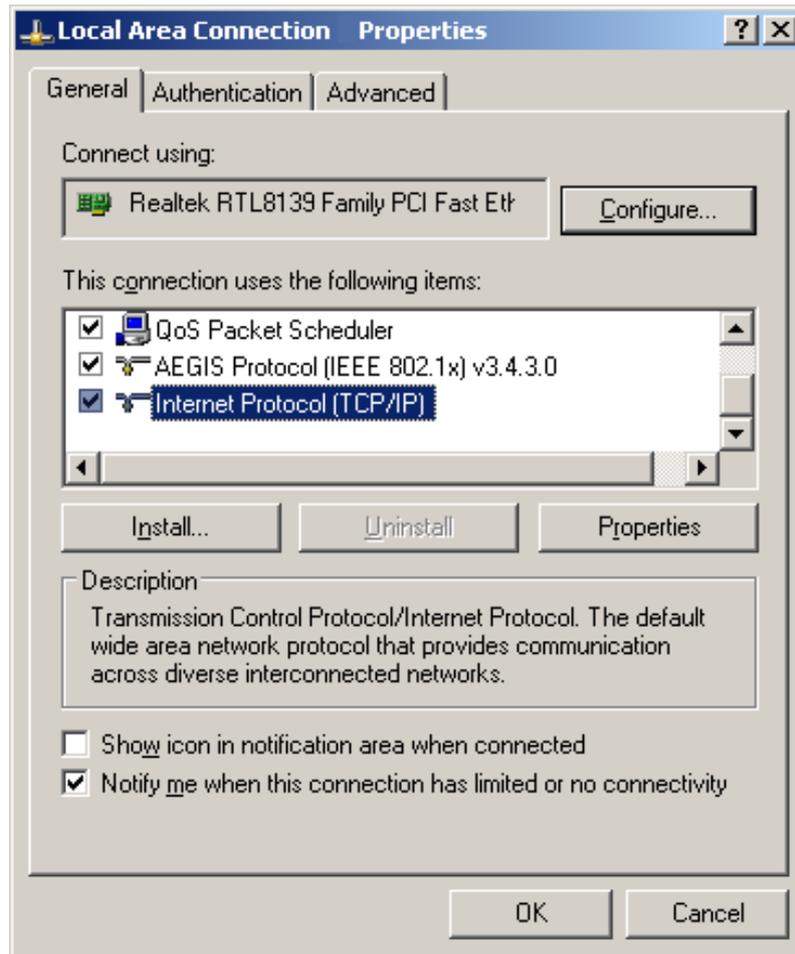


Figure A-2

- 5) The following **TCP/IP Properties** window will display and the **IP Address** tab is open on this window by default.

Now you have two ways to configure the **TCP/IP** protocol below:

➤ **Setting IP address automatically**

Select **Obtain an IP address automatically**, Choose **Obtain DNS server automatically**, as shown in the Figure below:

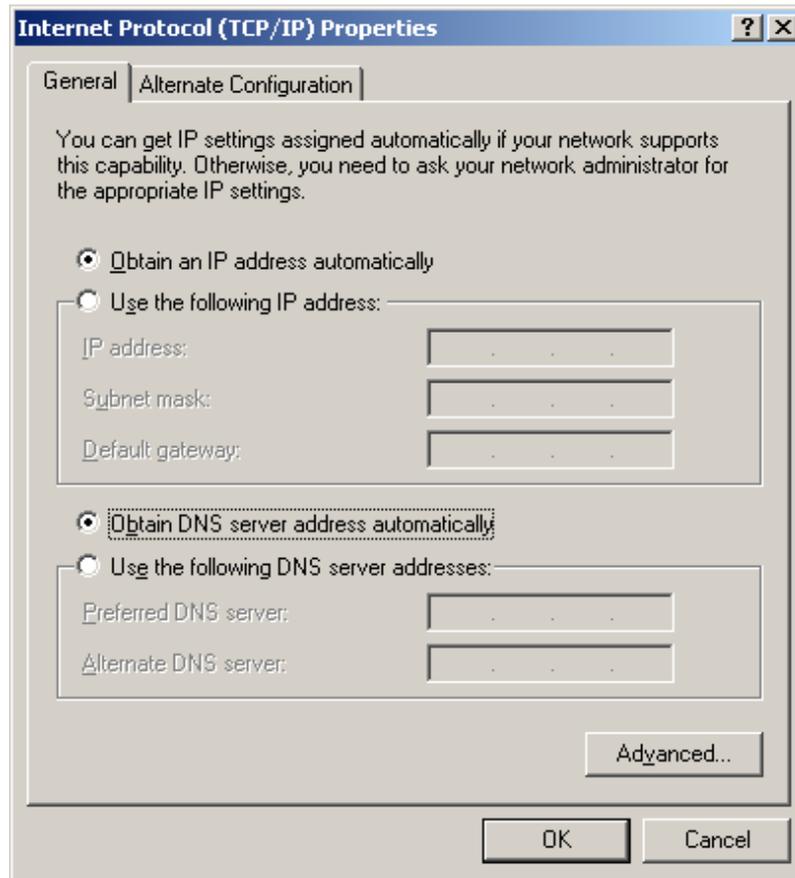


Figure A-3

➤ **Setting IP address manually**

- 1 Select **Use the following IP address** radio button.
- 2 If the device's LAN IP address is 192.168.1.1, type in IP address 192.168.1.x (x is from 2 to 254), and **Subnet mask** 255.255.255.0.
- 3 Type the device's LAN IP address (the default IP is 192.168.1.1) into the **Default gateway** field.
- 4 Select **Use the following DNS server addresses** radio button. In the **Preferred DNS Server** field you can type the DNS server IP address which has been provided by your ISP

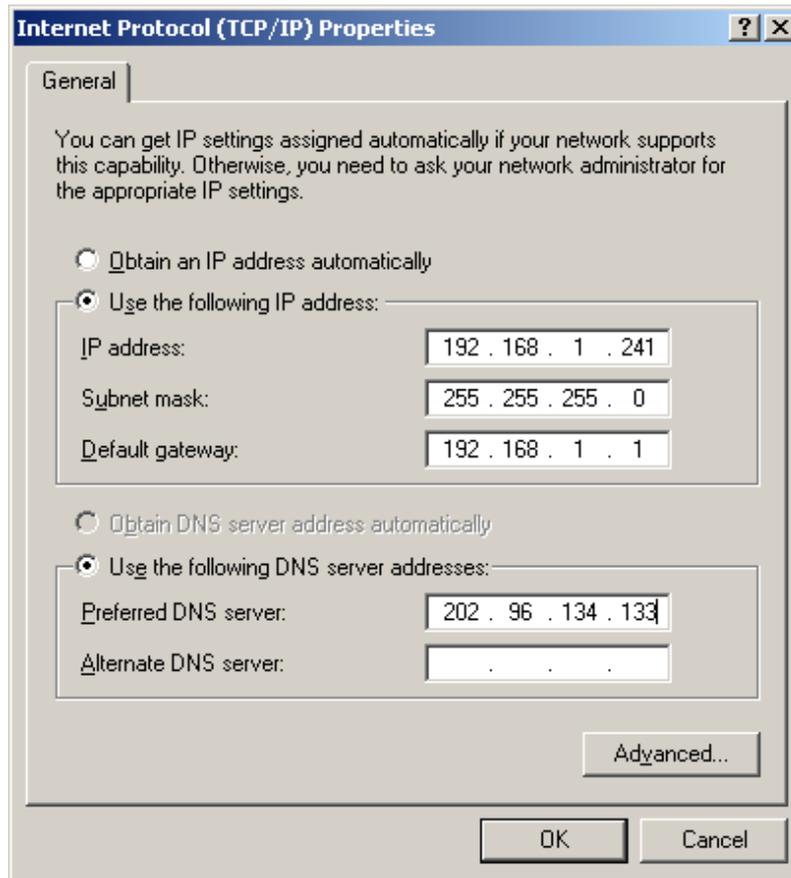


Figure A-4

Now click **OK** to keep your settings.

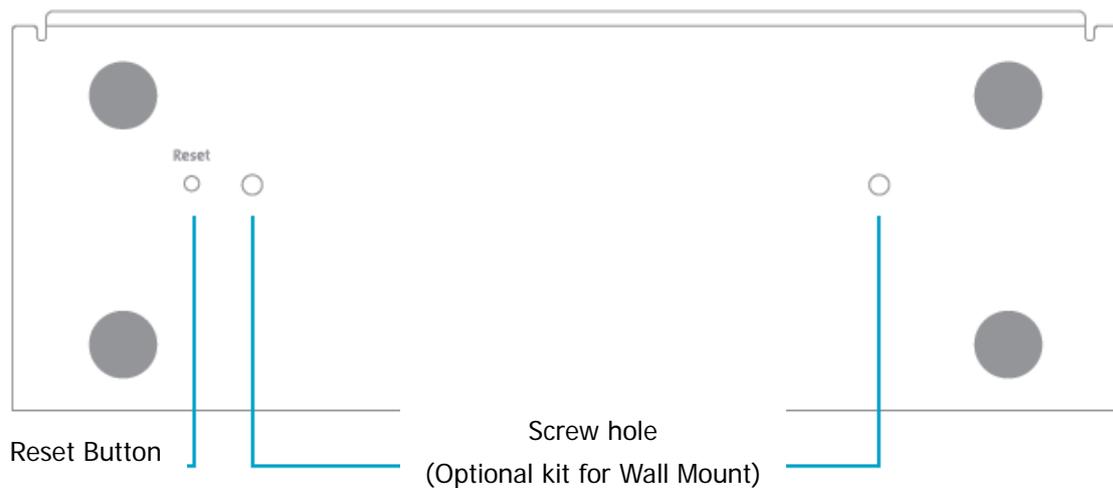
## Appendix B: FAQ

### FAQ1 : How to reset the WIPG-300H to factory default

#### [ANSWERS]

1) Power off the WIPG-300H.

2) Press and hold the button with paper clip, and then plug in the DC jack of the AC adapter to power on WIPG-300H. After 10~15 seconds, you can release the button.



3) Now, you should be able to login the WIPG-300H by default setting. (Default username and password are both "admin".)

### FAQ 2: How to use WIPG-300H to output the screen to the projector or LCD via HDMI cable

#### [ANSWERS]

You can switch the output interface through the web UI. The default setting is VGA.

However, if you want to use HDMI interface directly without switching:

- (1) Plug the HDMI connector and turn on the projector or LCD first.
- (2) Then just power on the WIPG-300H to achieve it.

### FAQ 3: With the Windows XP client, how to output the audio via the audio jack of the WIPG-300H when the video is projected

#### [ANSWERS]

- (1) First of all, please install "VAC.exe" (Virtual Audio Control) first on your computer. The software can be found in the USB Token.
- (2) After the driver is installed, please launch WIPG utility.
- (3) Click Menu icon and select "Send Audio to Display" to Yes.
- (4) After restarting WIPG utility, you can have the audio via the audio jack of the WIPG-300H.

EC Declaration of Conformity

<b>English</b>	Hereby, <b>PLANET Technology Corporation</b> , declares that this <b>802.11n Wireless Presentation Gateway</b> is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.	<b>Lietuviškai</b>	Šiuo <b>PLANET Technology Corporation</b> , skelbia, kad <b>802.11n Wireless Presentation Gateway</b> tenkina visus svarbiausius 1999/5/EC direktyvos reikalavimus ir kitas svarbias nuostatas.
<b>Česky</b>	Společnost <b>PLANET Technology Corporation</b> , tímto prohlašuje, že tato <b>802.11n Wireless Presentation Gateway</b> splňuje základní požadavky a další příslušná ustanovení směrnice 1999/5/EC.	<b>Magyar</b>	A gyártó <b>PLANET Technology Corporation</b> , kijelenti, hogy ez a <b>802.11n Wireless Presentation Gateway</b> megfelel az 1999/5/EK irányelv alapkövetelményeinek és a kapcsolódó rendelkezéseknek.
<b>Dansk</b>	<b>PLANET Technology Corporation</b> , erklærer herved, at følgende udstyr <b>802.11n Wireless Presentation Gateway</b> overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF	<b>Malti</b>	Hawnhekk, <b>PLANET Technology Corporation</b> , jiddikjara li dan <b>802.11n Wireless Presentation Gateway</b> jikkonforma mal-htigijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Direttiva 1999/5/EC
<b>Deutsch</b>	Hiermit erklärt <b>PLANET Technology Corporation</b> , dass sich dieses Gerät <b>802.11n Wireless Presentation Gateway</b> in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet". (BMW)	<b>Nederlands</b>	Hierbij verklaart, <b>PLANET Technology Corporation</b> , dat <b>802.11n Wireless Presentation Gateway</b> in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG
<b>Eesti keeles</b>	Käesolevaga kinnitab <b>PLANET Technology Corporation</b> , et see <b>802.11n Wireless Presentation Gateway</b> vastab Euroopa Nõukogu direktiivi 1999/5/EC põhinõuetele ja muudele olulistele tingimustele.	<b>Polski</b>	Niniejszym firma <b>PLANET Technology Corporation</b> , oświadcza, że <b>802.11n Wireless Presentation Gateway</b> spełnia wszystkie istotne wymogi i klauzule zawarte w dokumencie „Directive 1999/5/EC”.
<b>Ελληνικά</b>	<i>ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ, PLANET Technology Corporation, ΔΗΛΩΝΕΙ ΟΤΙ ΑΥΤΟ 802.11n Wireless Presentation Gateway ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ</i>	<b>Português</b>	<b>PLANET Technology Corporation</b> , declara que este <b>802.11n Wireless Presentation Gateway</b> está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
<b>Español</b>	Por medio de la presente, <b>PLANET Technology Corporation</b> , declara que <b>802.11n Wireless Presentation Gateway</b> cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE	<b>Slovensky</b>	Výrobca <b>PLANET Technology Corporation</b> , týmto deklaruje, že táto <b>802.11n Wireless Presentation Gateway</b> je v súlade so základnými požiadavkami a ďalšími relevantnými predpismi smernice 1999/5/EC.
<b>Français</b>	Par la présente, <b>PLANET Technology Corporation</b> , déclare que les appareils du <b>802.11n Wireless Presentation Gateway</b> sont conformes aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE	<b>Slovensko</b>	<b>PLANET Technology Corporation</b> , s tem potrjuje, da je ta <b>802.11n Wireless Presentation Gateway</b> skladen/a z osnovnimi zahtevami in ustreznimi določili Direktive 1999/5/EC.
<b>Italiano</b>	Con la presente, <b>PLANET Technology Corporation</b> , dichiara che questo <b>802.11n Wireless Presentation Gateway</b> è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.	<b>Suomi</b>	<b>PLANET Technology Corporation</b> , vakuuttaa täten että <b>802.11n Wireless Presentation Gateway</b> tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
<b>Latviski</b>	Ar šo <b>PLANET Technology Corporation</b> , apliecinu, ka šī <b>802.11n Wireless Presentation Gateway</b> atbilst Direktīvas 1999/5/EK pamatprasībām un citiem atbilstošiem noteikumiem.	<b>Svenska</b>	Härmed intygar, <b>PLANET Technology Corporation</b> , att denna <b>802.11n Wireless Presentation Gateway</b> står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.