

# **WIPS<sup>2</sup>**

## **Wireless Interactive Presentation Solution**

### **User's Manual**

(Model Name: TWP-1500)

Version:2.0

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# 1) Overview

WIPS<sup>2</sup> stands as Wireless Interactive Presentation Solution. WIPS<sup>2</sup> includes a professional wireless presentation system (TWP-1500) and a full-functional interactive portable wireless tablet. By enabling the Revolutionary “interactive” and “UST/UoIP” functions, you can throw your presentations wirelessly from a PC, Mac, iPad, iPhone, or Android devices to a projector, and use the touch screen/IWB, mobile phone or Pad to control the presentation remotely.

## ➤ TWP-1500 Features Highlight:

Icon	Feature	Description
	<b>DoWiFi</b>	<b>Wireless Display-over-WiFi for Windows and Mac</b>
	<b>WiFi-Doc</b>	<b>High quality presentation via iPhone/iPad or Android devices (Word, Excel, PPT, PDF , Photo , Screenshot)</b>
	<b>SidePad</b>	<b>Control the presentation on PC or Mac via iPhone/iPad or Android devices</b>
	<b>WebSlides</b>	<b>Broadcast slides to your devices with WiFi and web browser</b>
	<b>Wireless Tablet</b>	<b>Advanced pen annotation and presentation controller</b>
	<b>Drawing / Whiteboard</b>	<b>Free drawing on projecting content or interactive whiteboard</b>
	<b>4-to-1 projection</b>	<b>Project four PC/Mac screens to one projector at once.</b>
	<b>Conference Control / PC-List</b>	<b>Control projection from WIPS2's web page, or use mouse/keyboard to select a PC from the standby screen.</b>
	<b>SNMP</b>	<b>Use the SNMP manager to manage WIPS2 devices across the network.</b>

## ➤ **Basic Features**

- High performance screen/audio projection for Windows/Mac (Windows8 and Mac Mountain Lion)
- Remote desktop control from Wireless Tablet, Touch Screen or Mouse/Keyboard for Windows/Mac
- Plug&Show: launching the projection application from a USB thumb drive without installation
- High performance 4-to-1 Quadrant Screen Projection
- Support up to 64 concurrent login users
- Conference Control: Mediator function through the device web page or standby screen
- Support Wireless Multi-touch control (Win7/8 standard HID compatible device)
- Support drawing feature for projecting sender screen, or drawing on whiteboard without PC
- Security design: Session Login Code, WEP/WPA WiFi Security, and GateKeeper
- HDMI and VGA dual video interfaces
- WiFi AP and AP-Client mode support
- WiFi 802.11b/g/n

## **2) Package Contents**

- TWP-1500 Box
- TWP-1500 USB Token
- Power Adapter (DC +5V, 2.5A)
- 2 WiFi Antenna
- Wireless Tablet
- Wireless Tablet Dongle
- Pen
- Pen tip taker set
- Quick Installation Guide
- Wall Mount Kit

### 3) USB Token Contents

- Windows Installer (TWP-1500 Windows Installer)
- MAC Installer (TWP-1500 Mac Installer)
- VAC Driver (For Windows XP Audio Projection)
- VDD Driver (For Windows XP/Vista Virtual Extended Screen)
- USB/IP Driver (For USB IWB Bridge)
- User Manual
- Utility
  - PtG Converter (For MobiShow PtG function)
  - SNMP Manager (For SNMP Management)

### 4) Physical Details

- Front Panel



	Description
<b>Power Button and LED</b>	Power on/off button. LED Indicator: System Loading(Red), Ready(Yellow)

<b>USB Port (Front)</b>	USB port for Wireless Tablet or USB mouse and keyboard
-------------------------	--

- Rear Panel

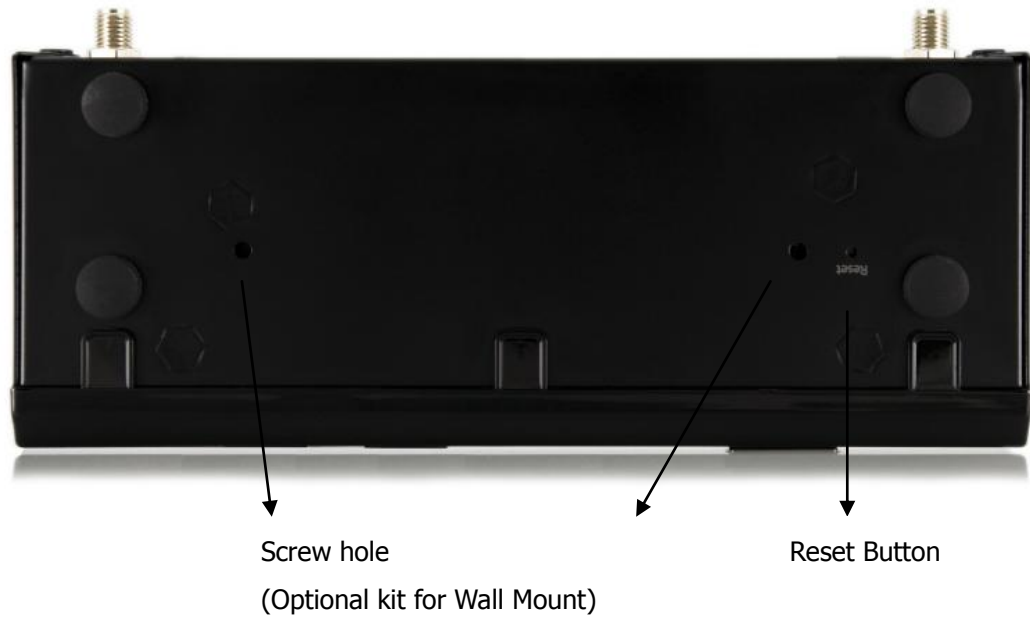


	Description
<b>Antenna</b>	WiFi Antenna
<b>USB Port (Rear)</b>	*USB port for USB IWB device (HID type )
<b>RJ-45</b>	10/100M RJ-45 port
<b>VGA Connector</b>	VGA connector
<b>HDMI</b>	HDMI Connector
<b>Audio Jack</b>	Audio Jack (3.5mm)
<b>Power Jack</b>	Power Jack (5V/2.5A)

***\* Please adopt the USB cable less than 2m length to link TWP-1500 and IWB.***

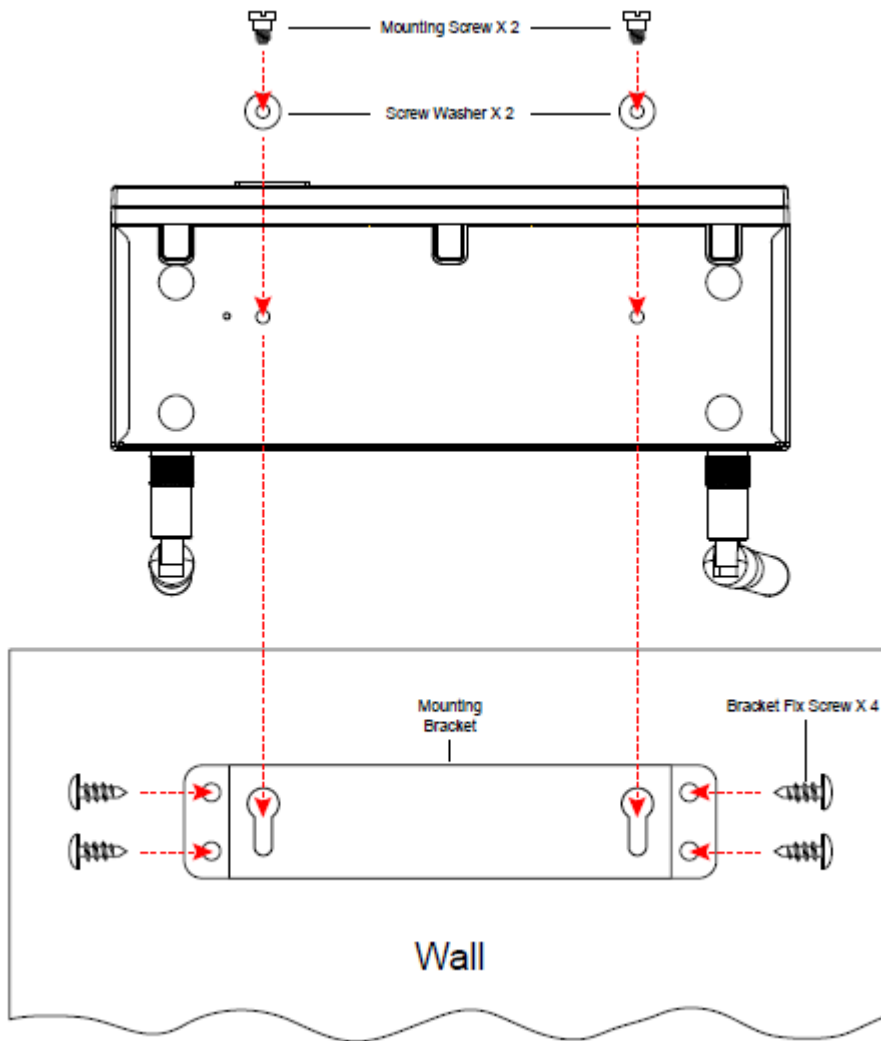


- Bottom Side



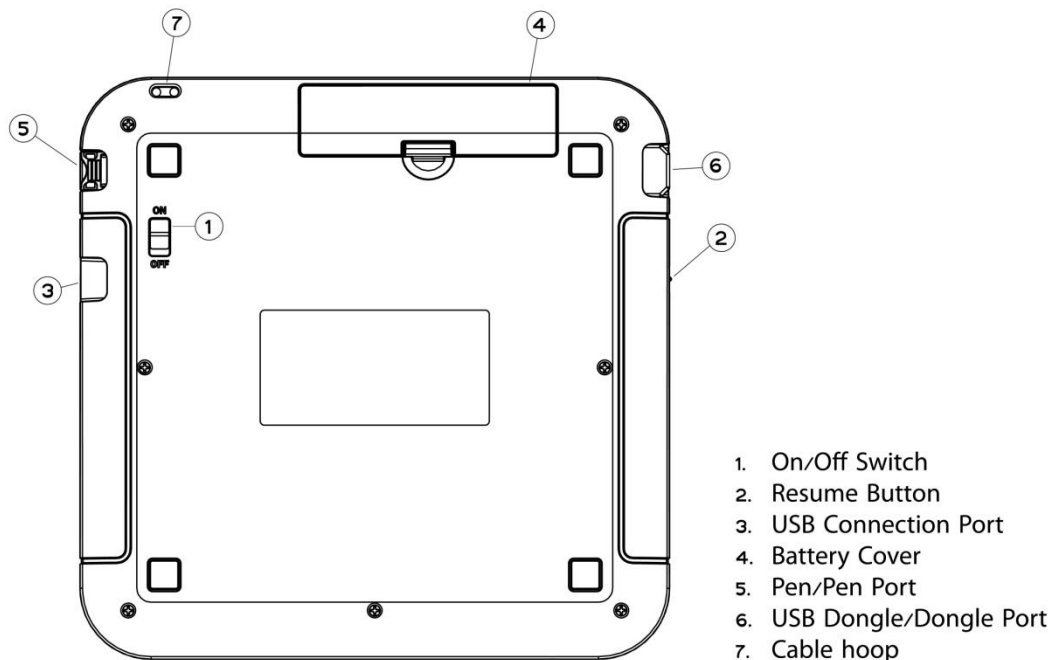
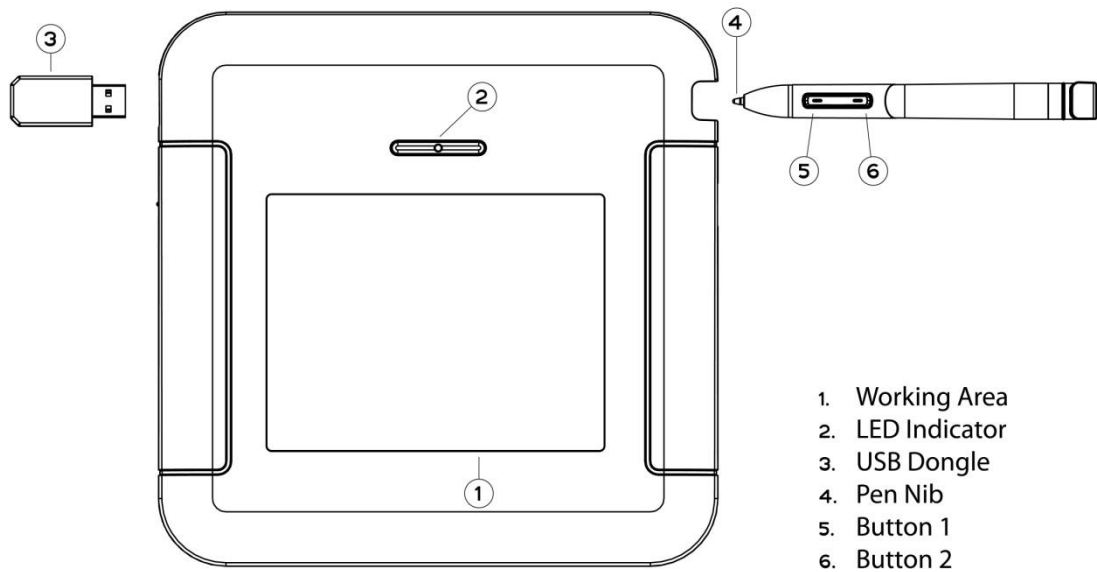
	Description
<b>Screw Hole</b>	Screw Hole for Wall Mount Kit
<b>Reset Button</b>	Press reset button and power on the device to execute Hardware Reset.

- Wall Mount Instruction



## 5) Wireless Tablet

Wireless Tablet is a wireless pen annotation and presentation remote controller. It can control the TWP-1500 device and projecting PC/Mac remotely.

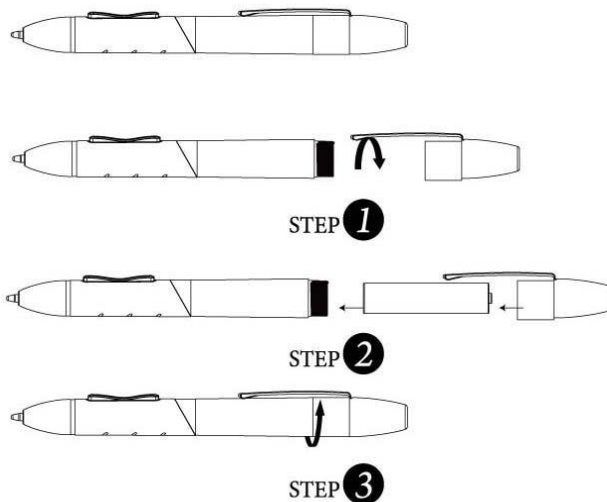


**The green LED light on the Wireless Tablet is the main indicator for hardware operation and depending on your Wireless Tablet model may be located at a different place that shown in the above diagram. This LED normally stays off, and will only turn it on or off in response to various conditions. Watch the state of the LED on the wireless Tablet as you go through these test steps:**

1. Tap on any surface with the tip of the pen, or press the left button of the mouse, to "wake it up" if it has gone into standby mode. A built-in power saving function may have forced the pen or mouse into the standby mode if either of them is not used for a period of time.

2. As soon as the Wireless Tablet itself activates, the LED will be light briefly, and will then go and stay off again.
3. When the Wireless Tablet detects the presence of the digital pen or mouse, the LED will be blinked slowly. This happens either when pen tip is hovering or placing within the working area which above the Wireless Tablet.
4. When you press a button on the pen barrel, or click on a mouse button, the LED will be lighted up.
5. Hovering and moving the pen or the mouse in the working area will cause the cursor on the screen to move accordingly.

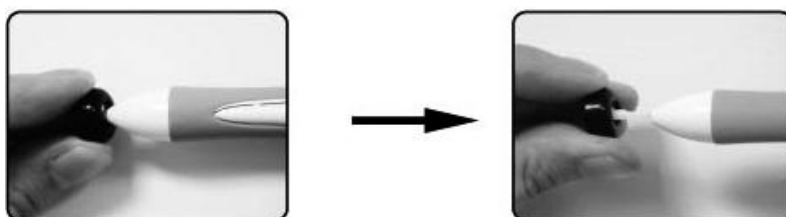
Twist the pen cap and insert the battery.



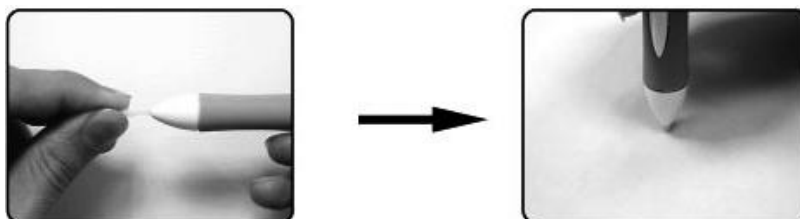
## 6. Changing the wireless stylus pen tip

Pull out the pen tip from Digital pen by using a Pen Clip Penholder and Pen Clip (2 in 1)

Normal Pen Clip



Push the pen tip into the Digital pen

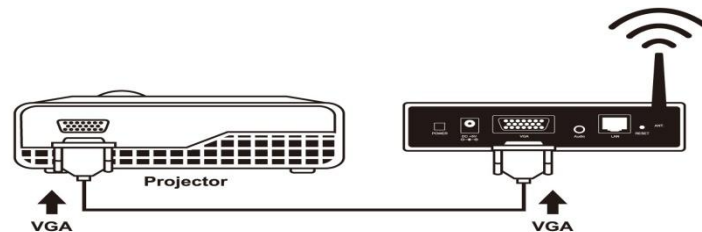


## 6) What You Might Need

- Projector or HDTV with VGA/HDMI interface
- Windows or Mac PC/Laptop
- Apple iPhone, iPad or iPod-touch device
- Android Phone or Tablet device
- Speaker (Optional, for audio projection feature)
- USB Mouse and Keyboard (Optional, for remote desktop feature)
- USB HID Touch Screen/IWB Device (Optional, for UST or IWB over IP feature)

## 7) Quick Installation

- 1) Connect TWP-1500 device to Projector through VGA/HDMI port and turn on projector power.

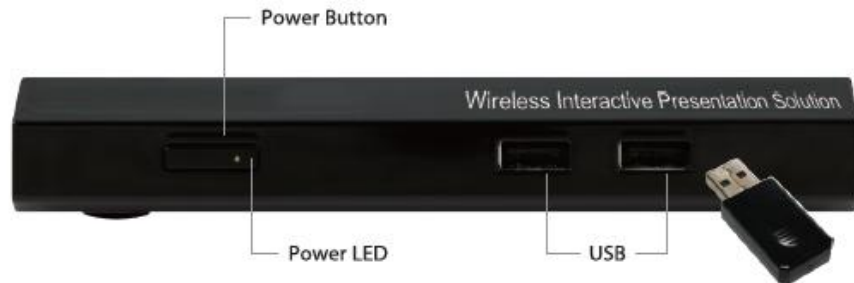


- 2) Connect the power adaptor to TWP-1500 device and press the power button to turn on TWP-1500 device.

- ◆ It will show the default standby screen as below when system is ready.




- 3) Attach the speaker cable to TWP-1500 phone jack for audio output
- 4) Attach the Wireless Tablet Dongle to TWP-1500 front USB port for OSD control and remote desktop control. Power on the wireless tablet. You may use the pen to control the OSD or launch virtual whiteboard function now.



- 5) Attach the USB IWB/Touch Screen cable to TWP-1500 rear USB port for UST/IWB remote touch control

## 8) TWP-1500 Receiver Device

### 8.1 PC-List

- 1) If there are sender connected to TWP-1500 device, it will show the available PC-List on standby screen, conference moderator  can use the USB mouse/keyboard/Touch Screen/IWB to select the PC and control it remotely.

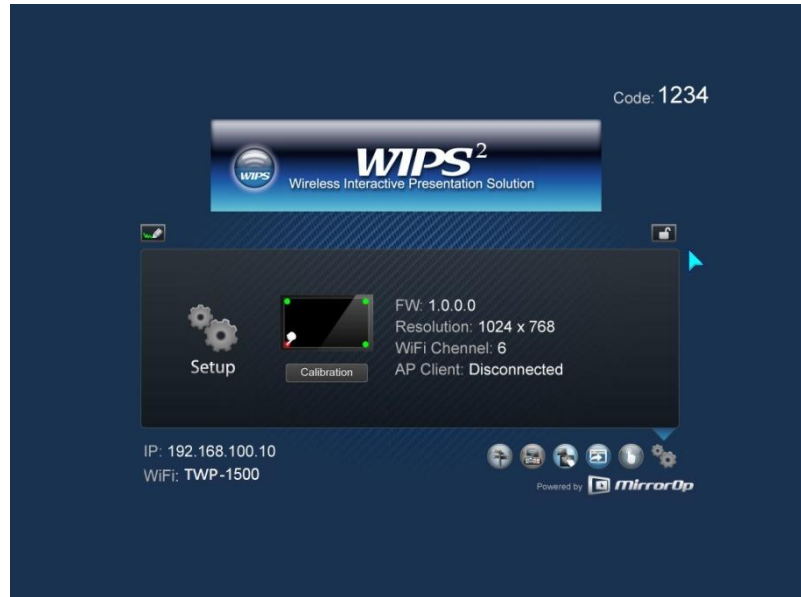


2) You can also click the feature Icon to browse the Quick Guide for each highlight feature.



## 8.2 Setup Page


- 1) Click the "Setup" icon, you can find the FW version, resolution and WiFi security information. Meanwhile, you can also calibrate the attached Touch Screen/IWB screen coordination by "Calibration" function.



## 8.3 Remote Touch Control (UST/UoIP)













- 1) TWP-1500 can support standard Win7/8 compatible HID touch device. By attaching the HID touch screen/IWB device, you can operate the standby screen, White Board feature and the projecting PC/mobile remotely from the Touch Screen/IWB device.

## 8.4 Whiteboard

- 1) Click on the "Whiteboard" button  to enable the virtual Whiteboard feature, you can make the free drawing on device screen through wireless Tablet , Mouse, Touch Screen or IWB device.





















 Home	Click to go back to WIPS2 Standby Screen.
 Whiteboard	Click to create a white background page
 Blackboard	Click to create a black background page
 Red	Red color pen: click cyclically to change the size of pen wide. There are three different type of pen size. 
 Green	Green color pen, click cyclically to change the size of pen wide. There are three different type of pen size. 
 Blue	Blue color pen, click cyclically to change the size of pen wide. There are three different type of pen size. 
 Eraser	Erase part of the pen drawing.
 Trash can	Clean the entire pen drawing on the screen.
	Open /Minimize all pen menu bar

## 8.5 Pen drawing

- 1) When user are projecting through Windows, Mac, Android and iOS sender application, you can use the Wireless Tablet/Mouse/IWB/Touch Screen to enable the Pen feature and add free drawing on top of projecting screen.



 Pointer	<p>Change to Pointer mode.</p> <p>Smart pointer: Long press for over 1 second, it will Change to Pen Mode automatically. After releasing the finger, it will change back to Pointer mode. And it will clear all annotation first when it start the Smart Pointer.</p>
 Pen Mode	<p>Click the button to enable pen drawing function.</p>
 Mouse Mode	<p>Click the button to enable mouse mode for remote control function.</p>
 Zoom	<p>Click the button to enable 2X magnifier function.</p>
 Red Pen	<p>Red color pen: click cyclically to change the size of pen wide. There are three different type of pen size.</p>
 Green Pen	<p>Green color pen, click cyclically to change the size of pen wide. There are three different type of pen size.</p>
 Blue Pen	<p>Blue color pen, click cyclically to change the size of pen wide. There are three different type of pen size.</p>
 Eraser	<p>Erase part of the pen drawing.</p>
 Trash can	<p>Clean the entire pen drawing on the screen.</p>
 Home	<p>Click to go back to WIPS2 Standby Screen.</p>

 Page Up	Press this button to go to previous page.
 Page Down	Press this button to go to next page.
 Slide Show	Press this button to enable Slide show function of PPT.
 ESC	Press this button to quite Slide show mode.
 Conference Moderator	Click the icon to enable WIPS2 moderator mode. Remote control the PC-list and select the device through Wireless tablet /Mouse /Keyboard/ IWB which are connected to TWP-1500.
 Whiteboard Mode	Open/Minimize all Pen menu bar.

## 9) DoWiFi for Windows

### 9.1 Install the application

- 1) Make sure your PC WiFi is enabled already, and connect your PC to WIPS<sup>2</sup> TWP-1500 box through WiFi.



- 2) Open your browser and enter the Device Host Name (SSID) or IP address in the browser. You can find the IP address and Host Name (SSID) on the projector screen. **(Default Host Name (SSID) is TWP-1500, Default IP is 192.168.100.10)**
- 3) Download the client software for "Windows 8 / 7/Vista / XP" and install on your PC. (Ps. You can also launch the application from PnS token directly.)



- 4) Launch TWP-1500 client and connect to TWP-1500 receiver.  
**(Make sure you have connected to TWP-1500 and your PC's personal firewall allows WIPS<sup>2</sup> TWP-1500 software to pass through.)**

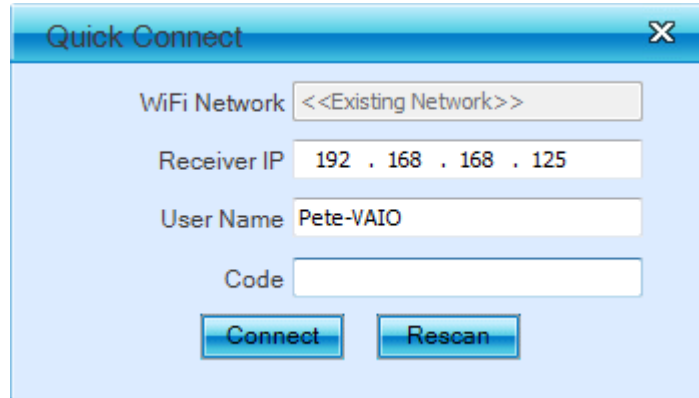
## 9.2 Start the application

- 1) Click WIPS<sup>2</sup> TWP-1500 icon on desktop to execute the application, or launch the application from PnS token directly.
- 2) It will start to search WIPS<sup>2</sup> TWP-1500 receiver automatically.



## 9.3 Quick Connect

- 1) TWP-1500 will memorize the last successful connection profile and open the quick connect dialog, you can enter the code and press the "Connect" button to connect this TWP-1500 directly.



- 2) If you want to connect to another TWP-1500 receiver, please press the "Rescan" button.

## 9.4 Connect to WiFi Network

- 1) TWP-1500 application will search the available WiFi Network and list the TWP-1500 WiFi Device. You can select a network and press the "Connect" button to connect the selected WiFi Device.



- 2) You can press the "Refresh" button to search again or press the "All" button to list all available WiFi Network name.
- 3) If you don't like to change the WiFi Network and keep the connection to current network, you can press the "Skip" button.

## 9.5 Connect to Receiver Device

- 1) TWP-1500 application will search and list the TWP-1500 receiver Device. You can select the target receiver device and press "OK" button to connect the selected receiver device.



- 2) You can press the "Refresh" button to search again.
- 3) If you can't find the target receiver device from the list, you can press the "Manual" button to enter the receiver IP address manually and connect.

## 9.6 Login

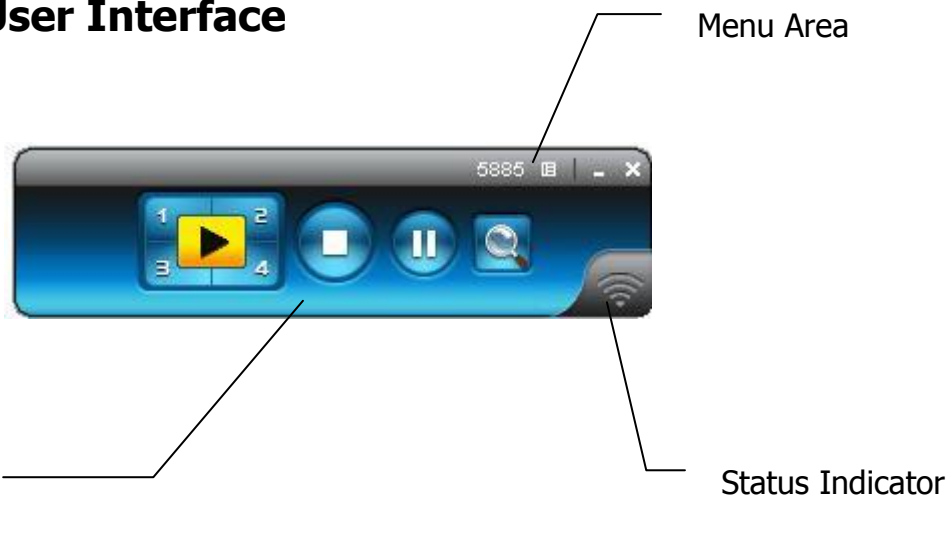
- 1) When it connects to a "Code" protection enabled TWP-1500 receiver, you have to enter the "Code" and press the "Connect" button to login the receiver.

(You can find the CODE from the right-upper of OSD standby screen)



- 2) If you want to connect to another receiver or cancel the login, please press the "Cancel" button.







## 9.7 Main User Interface





## 9.8 Screen Projection

- 1) Click the "Play" button for full or "1,2,3,4" for split screen projection, 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 function

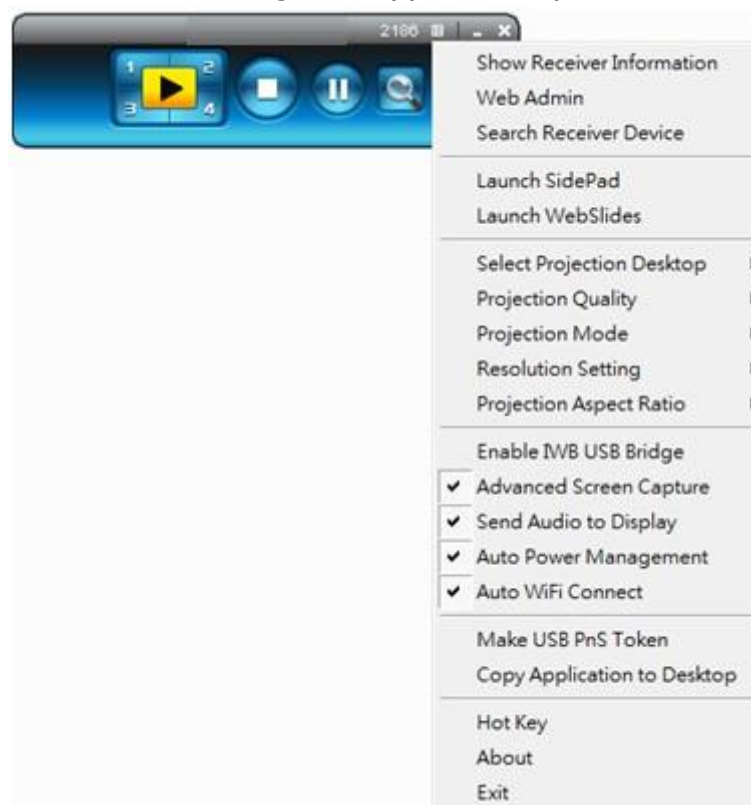
## 9.9 Audio Projection

- 1) When you are doing the full screen projection or project to split #1 screen, you can also choose to project the audio to TWP-1500 receiver for the multimedia or video scenario.
- 2) To enable or disable the audio projection feature, please change the setting from TWP-1500 menu. (Menu -> Send audio to display)

**Note:** For Windows XP system, 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 and Win7 is not necessary to install VAC)

## 9.10 Menu

- 1) Press "Menu" button from the main UI, you will find the menu to enable the additional feature or to change the application options.



<b>Item</b>	<b>Description</b>
<b>Show Receiver Information</b>	Show Receiver Information on screen
<b>Web Admin</b>	Open web admin page
<b>Search Receiver</b>	Connect to another receiver device
<b>Launch SidePad</b>	Launch SidePad sender
<b>Enable WebSlides</b>	Enable WebSlides
<b>Select Projection Desktop</b>	Select the projection desktop
<b>Projection Quality</b>	Change projection quality
<b>Projection Mode</b>	Change the presentation or video mode.
<b>Resolution Setting</b>	Change the resolution setting
<b>Projection Aspect Ratio</b>	Change the projection screen aspect ratio
<b>Enable IWB USB Bridge</b>	Enable IWB USB bridge
<b>Advanced Screen Capture</b>	Enable advance screen capture
<b>Send Audio to Display</b>	Enable audio projection
<b>Auto Power Management</b>	Enable Auto Power management feature
<b>Auto WiFi Connect</b>	Enable Auto WiFi connect feature
<b>Make Plug&amp;Show Token</b>	Make Plug&Show USB token
<b>Copy Application to Desktop</b>	Copy the application to desktop
<b>Hot Key</b>	Hot Key Settings
<b>About</b>	About this application
<b>Exit</b>	Exit the application

### **9.10.1 Show Receiver Information**

- 1) Click "Show Receiver Information", it will display the Receiver Information, such as WiFi Name, IP Address and code on the upper of desktop, and it will close automatically after 30 seconds.

### **9.10.2 Web Admin**

- 1) Click "Web Admin", it will open the browser and connect to the receiver web

admin page automatically.

(You can find the details of web admin page from another chapter.)

### 9.10.3 Search Receiver Device

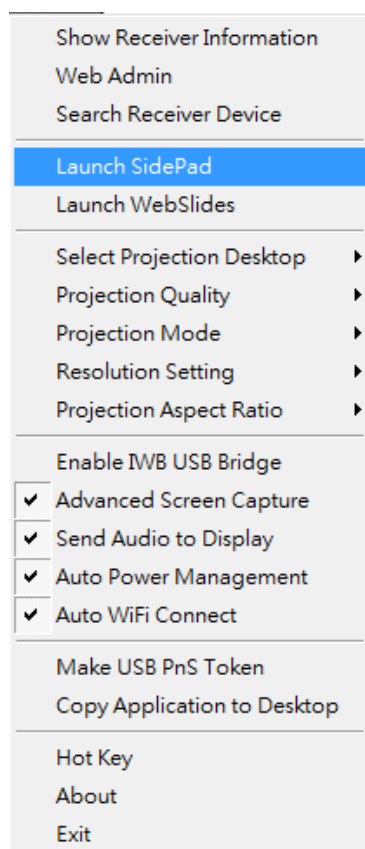
- 1) Click "Search Receiver Device", it will disconnect from current receiver and search the receiver again.

### 9.10.4 Launch SidePad

- 1) Open the main menu of the TWP-1500 application(Win/Mac), and choose the item, "Launch SidePad"

**Note:** You have to download the "SidePad receiver" on your Android/iOS device, and then connect the Android/iOS to TWP-1500 device through WiFi and Launch "SidePad Receiver".

- 2) In seconds, you shall see the PC desktop shown on the iOS Device. Use two fingers to pinch or one finger to pan the desktop image and control it by single or double clicks!

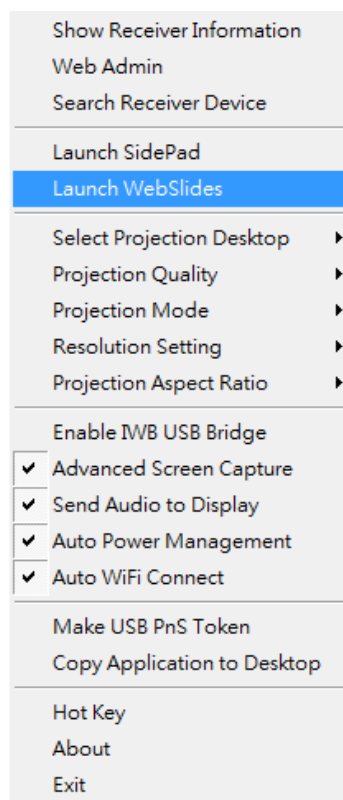




## 9.10.5 Enable WebSlides

- 1) Click the "Enable WebSlides", it will start to broadcast your slides to the browser on connected mobile devices.

**Note:** Audience need to connect to TWP-1500 WiFi Network, open the browser and click the "WebSlides" button to start receiving the slides.



## 9.10.6 Select Projection Desktop

- 1) Click the "Select Projection Source", you can select to project the main screen of desktop or the extended screen.

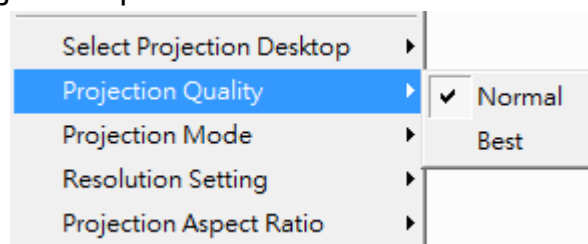


**Note:** For Windows XP system, you need to install “VDD.exe” driver first, you can find it from USB token.

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

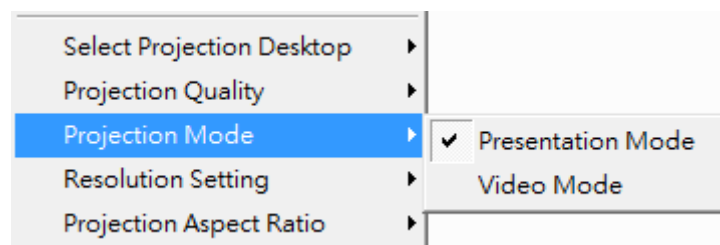
### 9.10.7 Projection Quality

- 1) 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.



### 9.10.8 Select Projection Mode

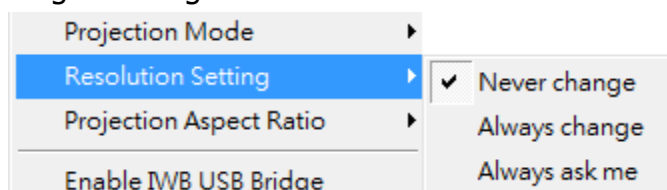
- 1) Click the “Select Projection Mode”, choose the Presentation mode for shortest latency or the Video mode for auto-latency control to have better video performance.



### 9.10.9 Resolution Settings

- 1) Click the “Resolution Setting”, choose “Never Change” to keep original

desktop resolution, “Always Change” to change resolution automatically according to application’s recommendation, or “Always ask me” to prompt a resolution change message to user.



### 9.10.10 Projection Aspect Ratio

- 1) Click the “Projection Aspect Ratio”, choose “Keep aspect ratio” to keep the original aspect ratio if the desktop resolution is different from TWP-1500 output resolution, or choose “Fit full screen” to project the screen to full screen.



### 9.10.11 Enable USB IWB Bridge

- 1) Click the “Enable USB IWB Bridge”, it will enable the USB IWB Bridge feature.
- 2) When you start the full screen projection, it will bridge the IWB device to your PC wirelessly.

**Note:** You have to install the USB over IP driver first. You can find the driver from USB token.

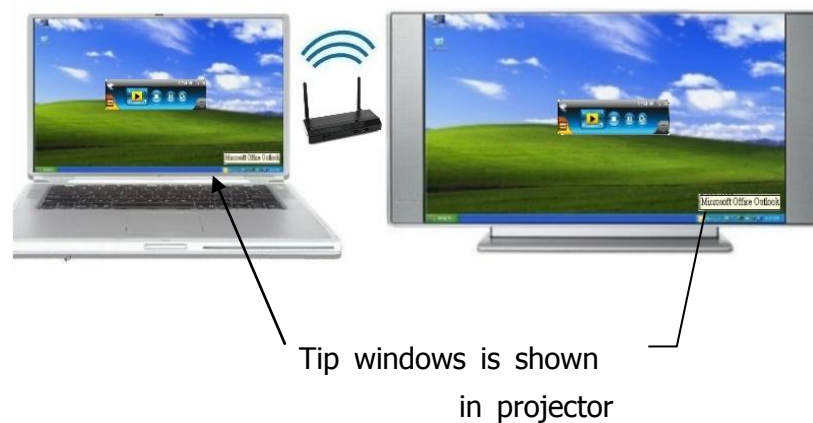
### 9.10.12 Advanced Screen Capture

- 1) 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!

- Disable “Advanced Screen Capture”.



- Enable "Advanced Screen Capture".



### 9.10.13 Send Audio to Display

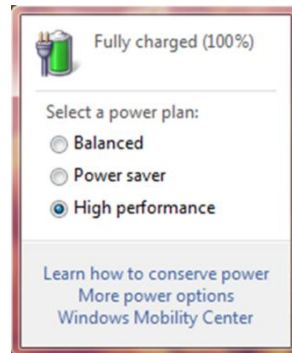
- 1) Click "Send Audio to Display" to start the audio projection feature. It will mute your local speaker during the projection and restore it when it closes the application.

**Note:** For Windows XP system, you have to install the Audio driver. (VAC.exe) You can find the driver from USB token.

### 9.10.14 Auto Power Manager

- 1) 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 Manage” to enable or disable this function and restore you power scheme immediately.

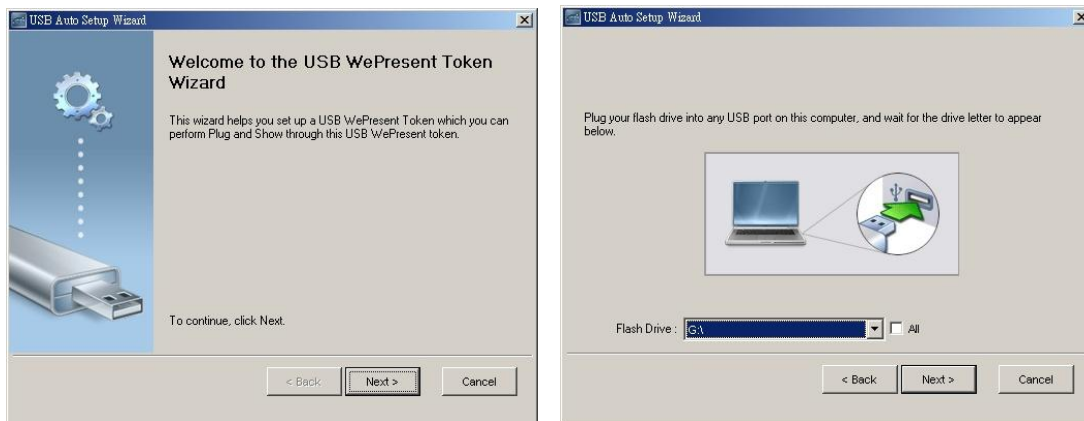


### 9.10.15 Auto WiFi Connect

- 1) Click “Auto WiFi Connect” to enable the TWP-1500 WiFi connect feature.

### 9.10.16 Make WIPS<sup>2</sup> TWP-1500 Token

- 1) Click “Make WIPS<sup>2</sup> TWP-1500 Token” to make a USB WIPS<sup>2</sup> TWP-1500 Token, you can insert a USB thumb drive and follows the wizard to make the Token.





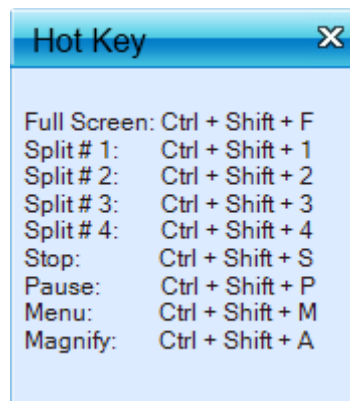


### 9.10.17 Copy Application to desktop

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

### 9.10.18 Hot Key

- 1) Click "Hot Key" to display the available Hot Key definition.



### 9.10.19 About

- 2) Click "About" to show system information. It includes product model name, Client version, IP address and other information.



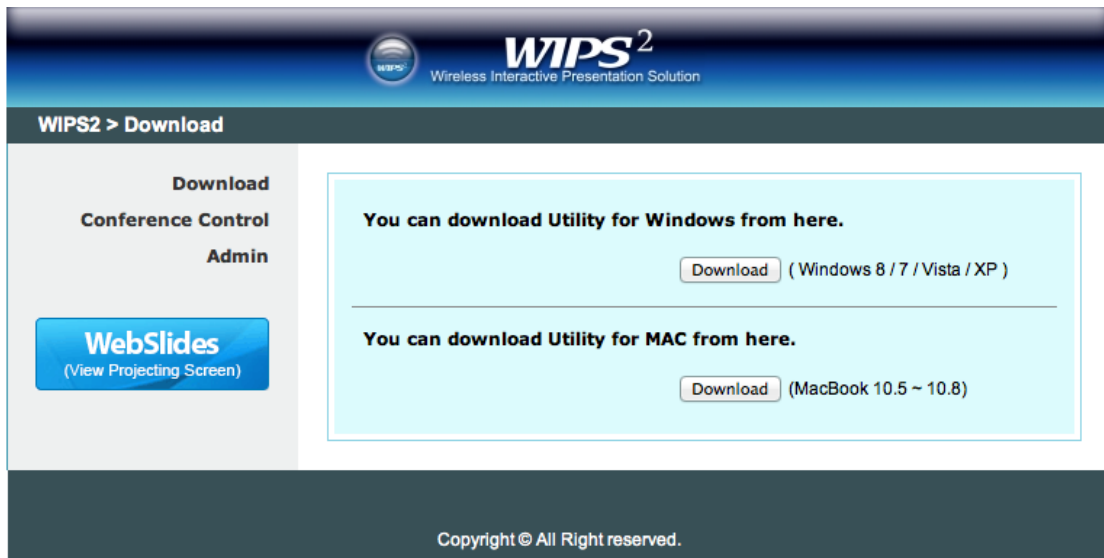
## 9.10.20 Exit

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

## 10) DoWiFi for Mac

### 10.1 Install the application

- 1) Make sure your PC WiFi is enabled already, and connect your PC to WIPS2 TWP-1500 box through WiFi.
- 2) Open your browser and enter the Device Host Name (SSID) or IP address on browser. You can find the IP address and Host Name (SSID) on the projector screen. **(Default Host Name (SSID) is TWP-1500, Default IP is 192.168.100.10)**
- 3) Download the client software for "Mac" and install on your PC. (Ps. You can also launch the application from PnS token directly.)



- 4) Launch TWP-1500 client and connect to TWP-1500 receiver.

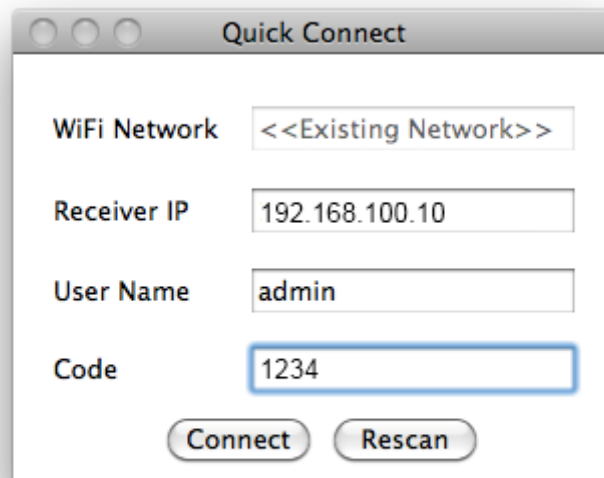
### 10.2 Start the application

- 1) Click WIPS<sup>2</sup> TWP-1500 from Application folder to execute the application.
- 2) It will start to search WIPS<sup>2</sup> TWP-1500 receiver automatically.

### 10.3 Quick Connect

- 1) TWP-1500 will memorize the last successful connection profile and open the quick connect dialog, you can enter the code and press the "Connect"

button to connect this TWP-1500 directly.



A dialog box titled "Quick Connect" with a standard macOS window header. It contains four input fields: "WiFi Network" with a dropdown menu showing "<<Existing Network>>", "Receiver IP" with the text "192.168.100.10", "User Name" with the text "admin", and "Code" with the text "1234". At the bottom are two buttons: "Connect" and "Rescan".

- 2) If you want to connect to another TWP-1500 receiver, please press the "Rescan" button.

## 10.4 Connect to WiFi Network

- 1) TWP-1500 will search the available WiFi Network and list the TWP-1500 WiFi Device. You can select a network and press the "Connect" button to connect the selected WiFi Device.



A dialog box titled "Connect to WiFi Network" with a standard macOS window header. It features a section titled "Available WiFi Network" with a "Refresh" button to its right. Below this is a list box containing one item, "TWP-1500", which is highlighted with a blue selection bar. At the bottom of the dialog are two buttons: "Connect" and "Skip".

- 2) You can press the "Refresh" button to search again or press the "All" button

to list all available WiFi Network name.

- 3) If you don't like to change the WiFi Network and keep the connection to current network, you can press the "Skip" button.

## 10.5 Connect to Receiver Device

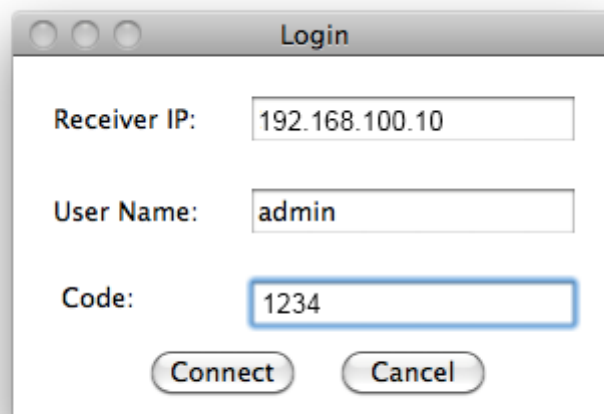
- 1) TWP-1500 will search and list the TWP-1500 receiver Device. You can select the target receiver device and press the "Connect" button to connect the selected receiver device.



- 2) You can press the "Refresh" button to search again.
- 3) If you can't find the target receiver device from the list, you can press the "Manual" button to enter the receiver IP address manually and connect.

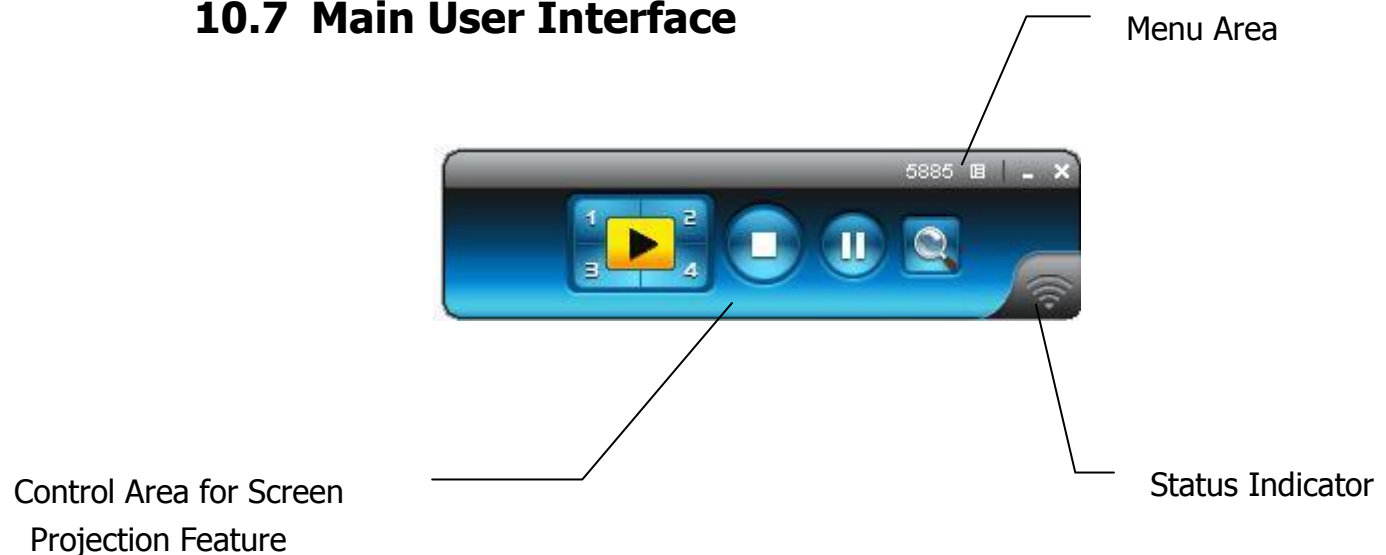
## 10.6 Login

- 1) When it connects to a "Code" protection enabled TWP-1500 receiver, you have to enter the "Code" and press the "Connect" button to login the receiver.  
(You can find the CODE from the right-upper of OSD standby screen)



- 2) If you want to connect to another receiver or cancel the login, please press the "Cancel" button.









## 10.7 Main User Interface



## 10.8 Screen Projection

- 1) 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
	Enable the Mac Magnifier function

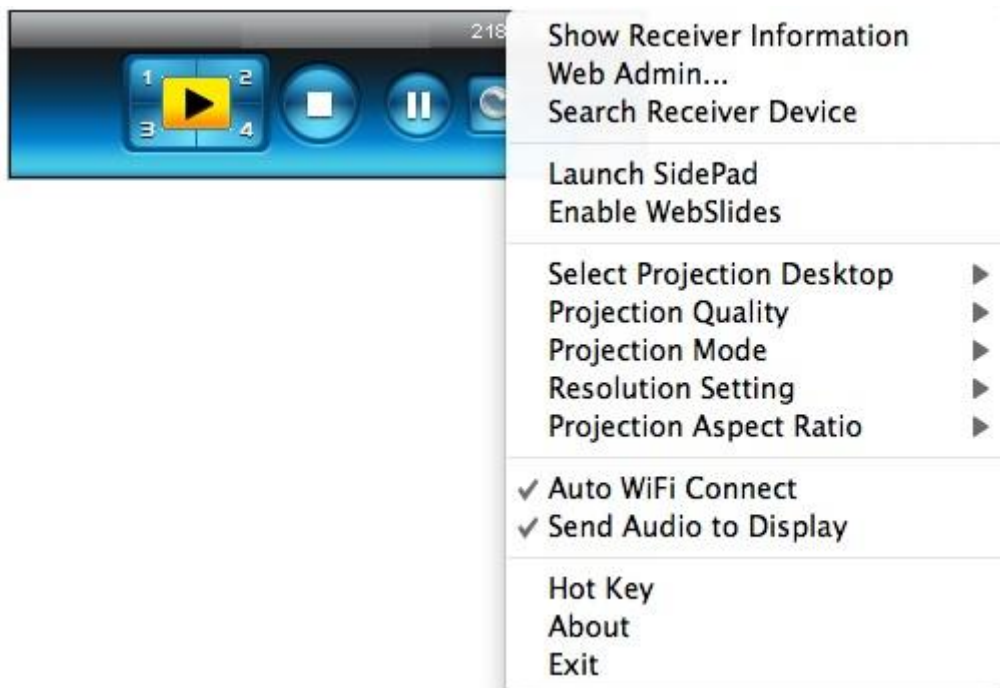
## 10.9 Audio Projection

- 1) When you are doing the full screen projection, you can also choose to project the audio to TWP-1500 receiver for the multimedia or video scenario.
- 2) To enable or disable the audio projection feature, please change the setting from TWP-1500 menu. (Menu -> Send audio to display)

**Note:** Please install the SoundFlower on your computer first, you can find the software from USB Token.

## 10.10 Menu

- 1) Press "Menu" button from the main UI, you will find the menu to enable the additional feature or to change the application options.



Item	Description
<b>Show Receiver Information</b>	Show Receiver Information on screen
<b>Web Admin</b>	Open web admin page
<b>Search Receiver Device</b>	Connect to another receiver device
<b>Launch SidePad</b>	Launch SidePad sender
<b>Enable WebSlides</b>	Enable WebSlides
<b>Select Projection Desktop</b>	Select the projection desktop
<b>Projection Quality</b>	Change projection quality
<b>Projection Mode</b>	Change the presentation or video mode.
<b>Resolution Setting</b>	Change the resolution setting
<b>Projection Aspect Ratio</b>	Change the projection screen aspect ratio
<b>Send Audio to Display</b>	Enable audio projection
<b>Auto WiFi Connect</b>	Enable Auto WiFi connect feature
<b>Hot Key</b>	Hot Key Settings
<b>About</b>	About this application
<b>Exit</b>	Exit the application



### **10.10.1 Show Receiver Information**

- 1) Click "Show Receiver Information", it will display the Receiver Information, such as WiFi Name, IP Address and code.

### **10.10.2 Web Admin**

- 1) Click "Web Admin", it will open the browser and connect to the receiver web admin page automatically.  
(You can find the details of web admin page from another chapter.)

### **10.10.3 Search Receiver Device**

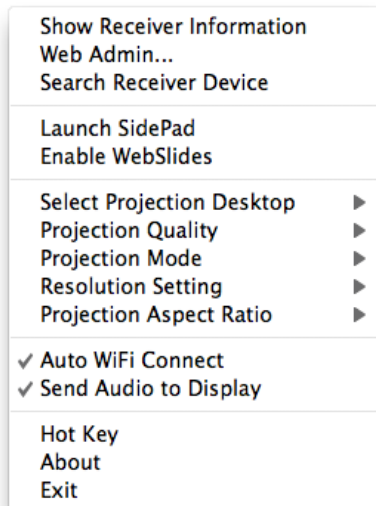
- 1) Click "Search Receiver Device", it will disconnect from current receiver and search the receiver again.

### **10.10.4 Launch SidePad**

- 1) Open the main menu of the TWP-1500 application(Win/Mac), and choose the item, "Launch SidePad -> MirrorOp Receiver (SidePad)"

**Note:** You have to download the "MirrorOp receiver" on your Android/iOS device, then connect the Android/iOS to TWP-1500 device through WiFi and Launch "MirrorOp Receiver".

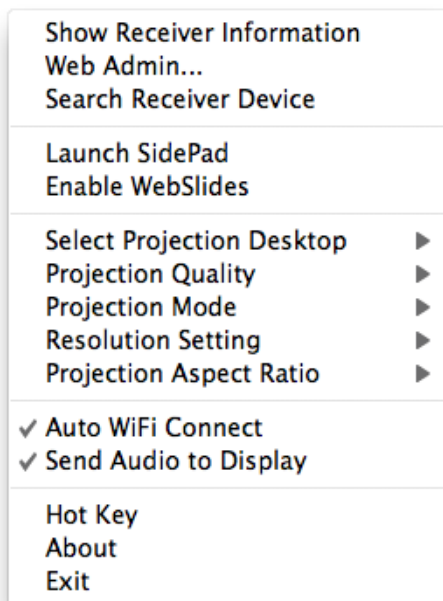
- 2) In seconds, you shall see the PC desktop shown on the iOS Device. Use two fingers to pinch or one finger to pan the desktop image and control it by single or double clicks!



## 10.10.5 Enable WebSlides

- 1) Click the "Enable WebSlides", it will start to broadcast your slides to the browser on connected mobile devices.

**Note:** Audience need to connect to TWP-1500 WiFi Network, open the browser and click the "WebSlides" button to start receiving the slides.



## 10.10.6 Select Projection Desktop

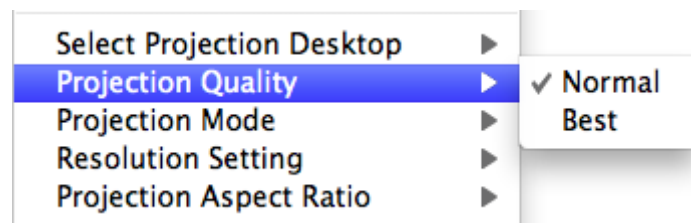
- 1) Click the "Select Projection Source", you can select to project the main

screen of desktop or the extended screen.

**Note: It can only support Mac 10.7 and 10.8, to use the extended screen, you have to install the extended screen driver that provided in the USB Token.**

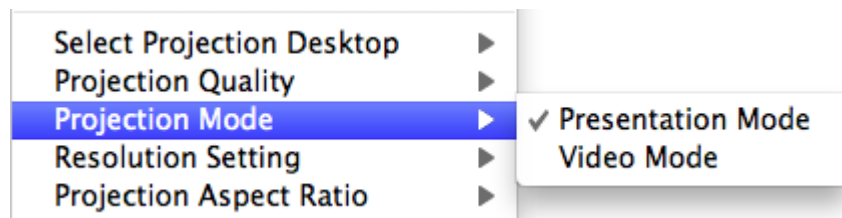
### 10.10.7 Projection Quality

- 1) 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.



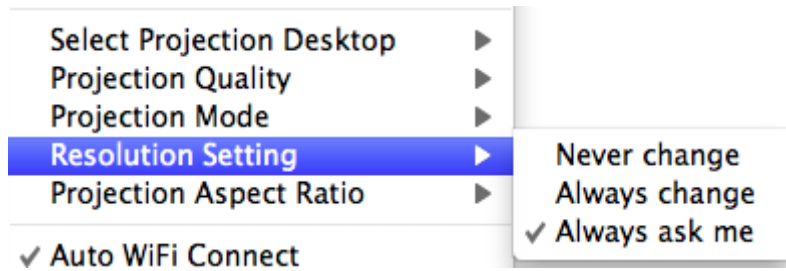
### 10.10.8 Select Projection Mode

- 1) Click the "Select Projection Mode", choose the Presentation mode for shortest latency or the Video mode for auto-latency control to have better video performance.



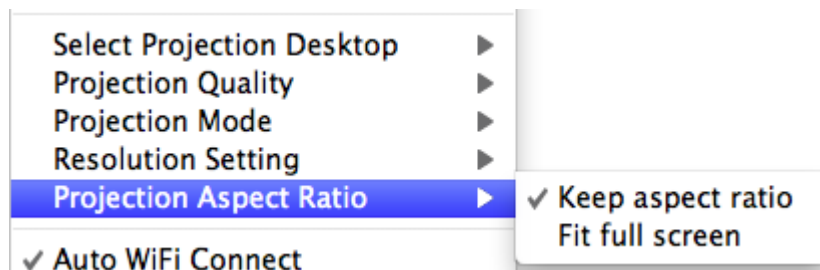
### 10.10.9 Resolution setting

- 1) Click the "Resolution Setting", choose "Never Change" to keep original desktop resolution, "Always Change" to change resolution automatically according to application's recommendation, or "Always ask me" to prompt a resolution change message to user.



### 10.10.10 Projection Aspect Ratio

- 1) Click the "Projection Aspect Ratio", choose "Keep aspect ratio" to keep the original aspect ratio if the desktop resolution is different from TWP-1500 output resolution, or choose "Fit full screen" to project the screen to full screen.



### 10.10.11 Send Audio to Display

- 1) Click "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.

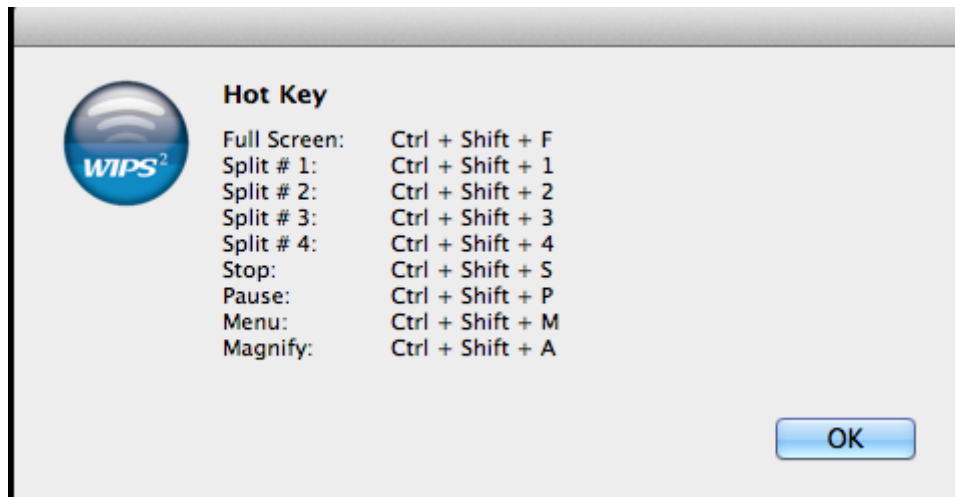
**Note:** You have to install the SoundFlower Audio driver. You can find the driver from USB token.

### 10.10.12 Auto WiFi Connect

- 1) Click "Auto WiFi Connect" to enable the WiFi connect feature through TWP-1500 application.

### 10.10.13 Hot Key

- 1) Click "Hot Key" to display the available Hot Key definition.



### 10.10.14 About

- 1) Click "About" to show system information. It includes product model name, Client version, IP address and other information.



### 10.10.15 Exit

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

## 11) Web Management

### 11.1 Home Page

- 1) Make sure your PC connect to WIPS2 TWP-1500 box successfully.

- 2) Enter the receiver IP address on browser; you can find the IP address on the projector screen. (Default IP is 192.168.100.10)



## 11.2 Download







- 1) Select "Download" function.
- 2) Please select the "Win 8 / 7 / Windows Vista / XP" or "Mac Utility" and execute the installation program.

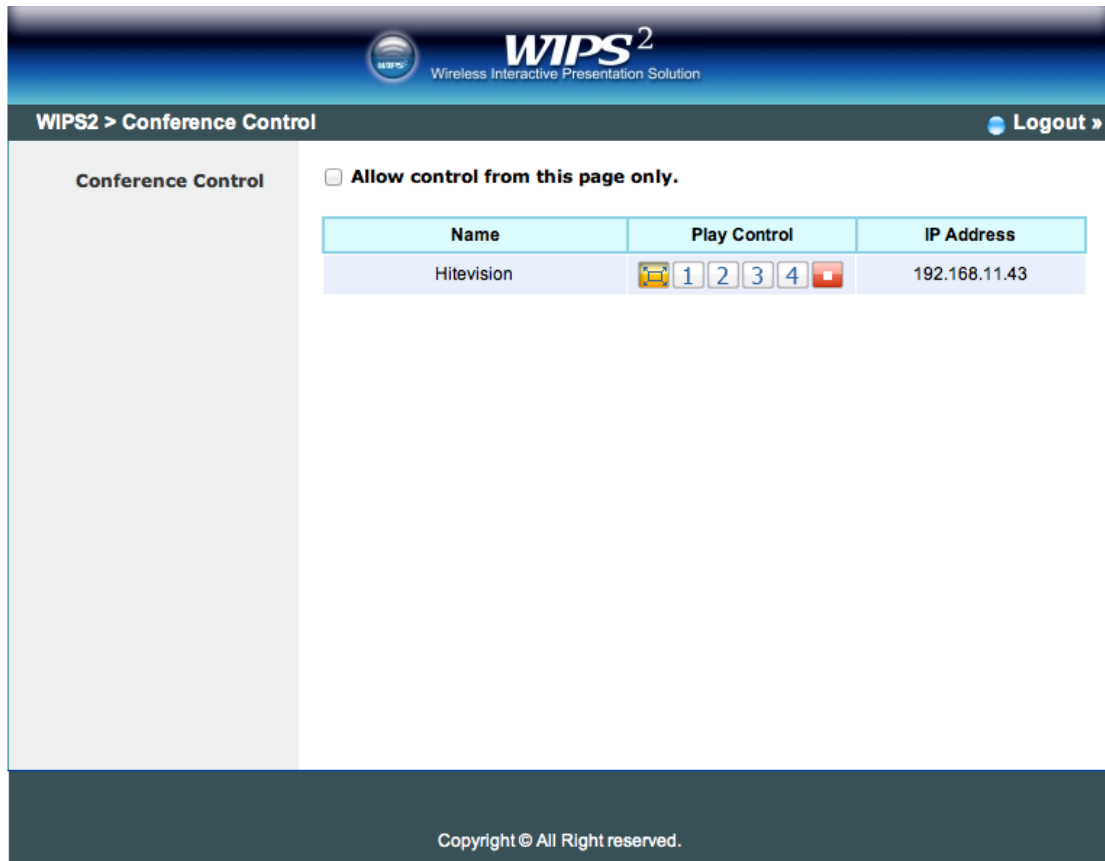
**Note:** Please disable the "Smart Screen Filter" on IE browser; otherwise you might not able to download the file.



## 11.3 Conference Control

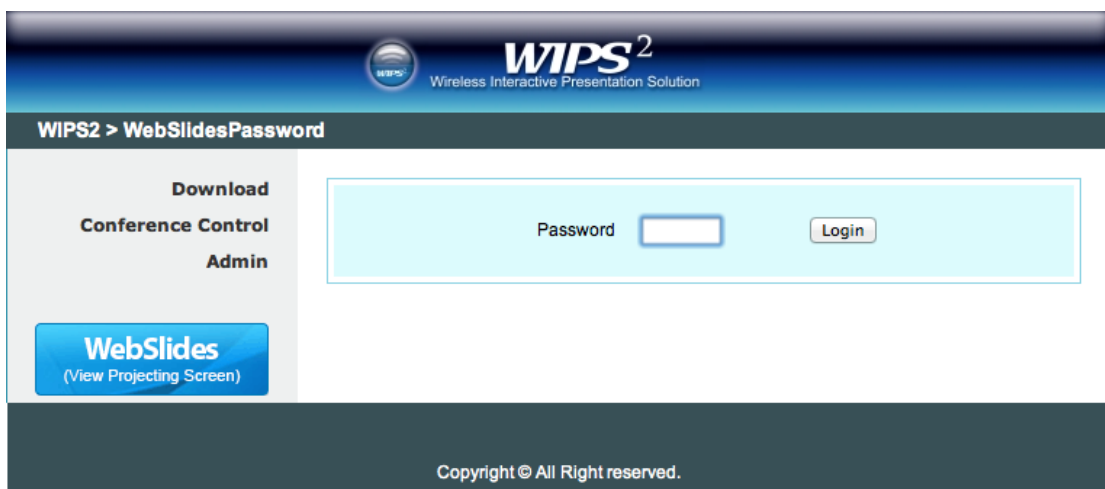
- 1) Select "Conference Control" function, it will show current connected sender list.
- 2) Enter password and then press [Login]. (default password: moderator)

- 3) After login, you can see a User List on the screen which indicates all of users connected to WIPS2 TWP-1500 box.
- 4) There are three columns, "Computer Name", "Play Control" and "IP Address".
- 5) Play Control , There are six buttons, including Play(Full) , Play Split #1 , Play Split #2 , Play Split #3 , Play Split #4  and Stop .
- 6) Uncheck the "Allow Control from this page only", it will disable the centralized control and user can project the screen to TWP-1500 freely.



## 11.4 WebSlides

- 1) Press the "WebSlides" button to enter the WebSlides page.
- 2) Enter the password if necessary. (Default password: disabled)
- 3) Start to receive the projecting slides.





## 11.5 Admin

- 1) Click [Admin] and then enter the password to login web admin page.  
(Default Password: admin)

### 11.5.1 System Status

- 1) Click [System Status], it will show current system status.

**Model Name:** Product model name

**Versions:**


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

**Network Status:**


- **IP address :** IP address of TWP-1500 device.
- **Subnet Mask :** subnet mask
- **Default Gateway :** default gateway
- **Wireless MAC address :** wireless MAC address
- **Wire MAC address :** wire MAC address

**Connection Status:**

- **Projecting status:** "Waiting for projecting" or "Projecting"
- **Total Users:** It shows how many users login to WIPS<sup>2</sup> TWP-1500.
- **Code:** It will show current Code


**WIPS<sup>2</sup>**  
 Wireless Interactive Presentation Solution

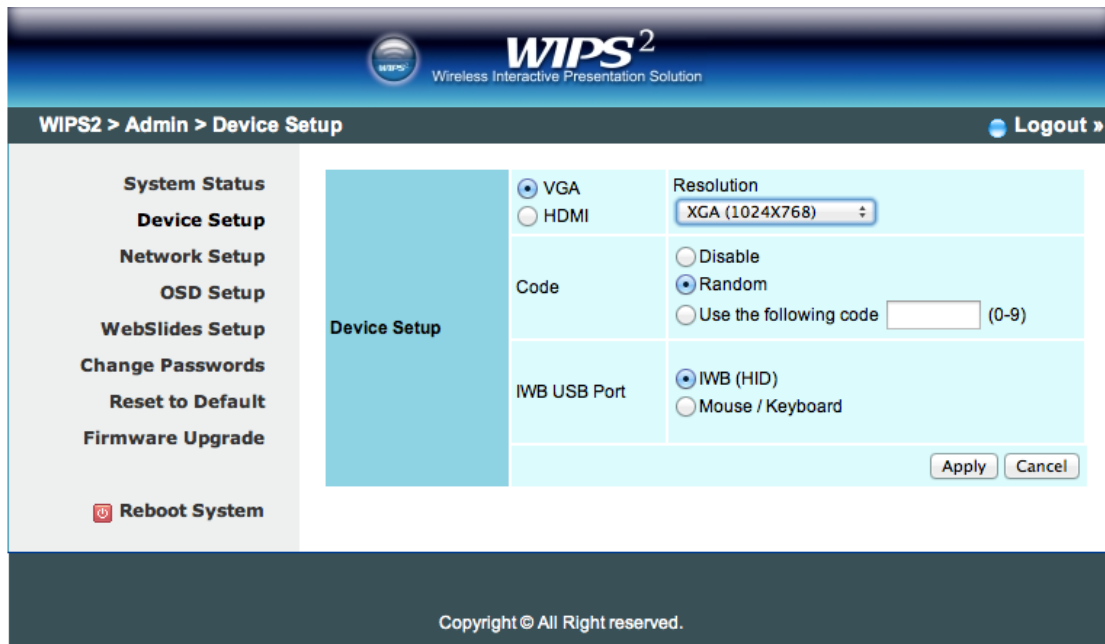
WIPS2 > Admin > System Status Logout »

<div style="background-color: #eee; padding: 5px; margin-bottom: 5px;">System Status</div> <div style="background-color: #eee; padding: 5px; margin-bottom: 5px;">Device Setup</div> <div style="background-color: #eee; padding: 5px; margin-bottom: 5px;">Network Setup</div> <div style="background-color: #eee; padding: 5px; margin-bottom: 5px;">OSD Setup</div> <div style="background-color: #eee; padding: 5px; margin-bottom: 5px;">WebSlides Setup</div> <div style="background-color: #eee; padding: 5px; margin-bottom: 5px;">Change Passwords</div> <div style="background-color: #eee; padding: 5px; margin-bottom: 5px;">Reset to Default</div> <div style="background-color: #eee; padding: 5px; margin-bottom: 5px;">Firmware Upgrade</div> <div style="background-color: #eee; padding: 5px;">  Reboot System         </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00a0e3; color: white;"><b>Model Name</b></td> <td>TWP-1500</td> </tr> <tr> <td style="background-color: #00a0e3; color: white;"><b>Versions</b></td> <td></td> </tr> <tr> <td>Firmware Version</td> <td>1.0.2.3</td> </tr> <tr> <td style="background-color: #00a0e3; color: white;"><b>Network Status</b></td> <td></td> </tr> <tr> <td>IP Address</td> <td>192.168.11.28</td> </tr> <tr> <td>Subnet Mask</td> <td>255.255.255.0</td> </tr> <tr> <td>Default Gateway</td> <td>192.168.11.1</td> </tr> <tr> <td>Wireless MAC Address</td> <td>00:12:5F:08:48:3E</td> </tr> <tr> <td>Wire MAC Address</td> <td>00:12:5F:01:69:C4</td> </tr> <tr> <td style="background-color: #00a0e3; color: white;"><b>Connection Status</b></td> <td></td> </tr> <tr> <td>Projecting Status</td> <td>Projecting</td> </tr> <tr> <td>Total Users</td> <td>1</td> </tr> <tr> <td>Code</td> <td>3720</td> </tr> </table>	<b>Model Name</b>	TWP-1500	<b>Versions</b>		Firmware Version	1.0.2.3	<b>Network Status</b>		IP Address	192.168.11.28	Subnet Mask	255.255.255.0	Default Gateway	192.168.11.1	Wireless MAC Address	00:12:5F:08:48:3E	Wire MAC Address	00:12:5F:01:69:C4	<b>Connection Status</b>		Projecting Status	Projecting	Total Users	1	Code	3720
<b>Model Name</b>	TWP-1500																										
<b>Versions</b>																											
Firmware Version	1.0.2.3																										
<b>Network Status</b>																											
IP Address	192.168.11.28																										
Subnet Mask	255.255.255.0																										
Default Gateway	192.168.11.1																										
Wireless MAC Address	00:12:5F:08:48:3E																										
Wire MAC Address	00:12:5F:01:69:C4																										
<b>Connection Status</b>																											
Projecting Status	Projecting																										
Total Users	1																										
Code	3720																										

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## 11.5.2 Device Setup

- 1) Click [Device Setup] button, it will show the device setting items,
  - ◆ Choose **<VGA>** or **<HDMI>** output option
  - ◆ **<Resolution>**:
    - HDMI**: 720p, 1080i, 1080p
    - VGA**: UXGA(1600\*1500), WXGA+(1440\*900), WXGA(1360\*768, 1280x768, 1280x800) ,XGA(1024\*768), and SVGA(800\*600). The default value is XGA(1024\*768).
  - ◆ **<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
  - ◆ **<Apply>** : Confirmation and Save modifications
  - ◆ **<Cancel>**: Cancel all the modifications



### 11.5.3 Network Setup

1) Click [Network Setup] button, it will show the network setting items,

#### <Note: Auto-Configuration Network Setup on TWP-1500>

The default setting of the WIPS<sup>2</sup> TWP-1500 box is DHCP client. When the WIPS<sup>2</sup> TWP-1500 box is connected to a LAN that already has a DHCP server present, the WIPS<sup>2</sup> TWP-1500 box takes an IP address assigned to it by the server. When the WIPS<sup>2</sup> TWP-1500 box is connected to a LAN that does not have a DHCP server, the WIPS<sup>2</sup> TWP-1500 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")
- ◆ 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"
- ◆ 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 WIPS<sup>2</sup> TWP-1500, 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.
- ◆ Channel Bandwidth: select from 20M or Auto (40M/20M)

### **< AP Client>**

- ◆ Connect to Existing AP: Input the SSID of Home WiFi AP you want to connect.
- ◆ 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.
- ◆ Press Apply button, and follow the reboot instruction to make it work.

### **< Host Name and Domain Name>**

- ◆ Host Name: It will use the same name as SSID for the device host name
- ◆ Domain Name: You can also enter the domain name of this device if there is DNS server available.

### **< Gatekeeper>**

Gatekeeper is designed for ensuring the enterprise network security within WIPS<sup>2</sup> TWP-1500 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.

### **< SNMP >**

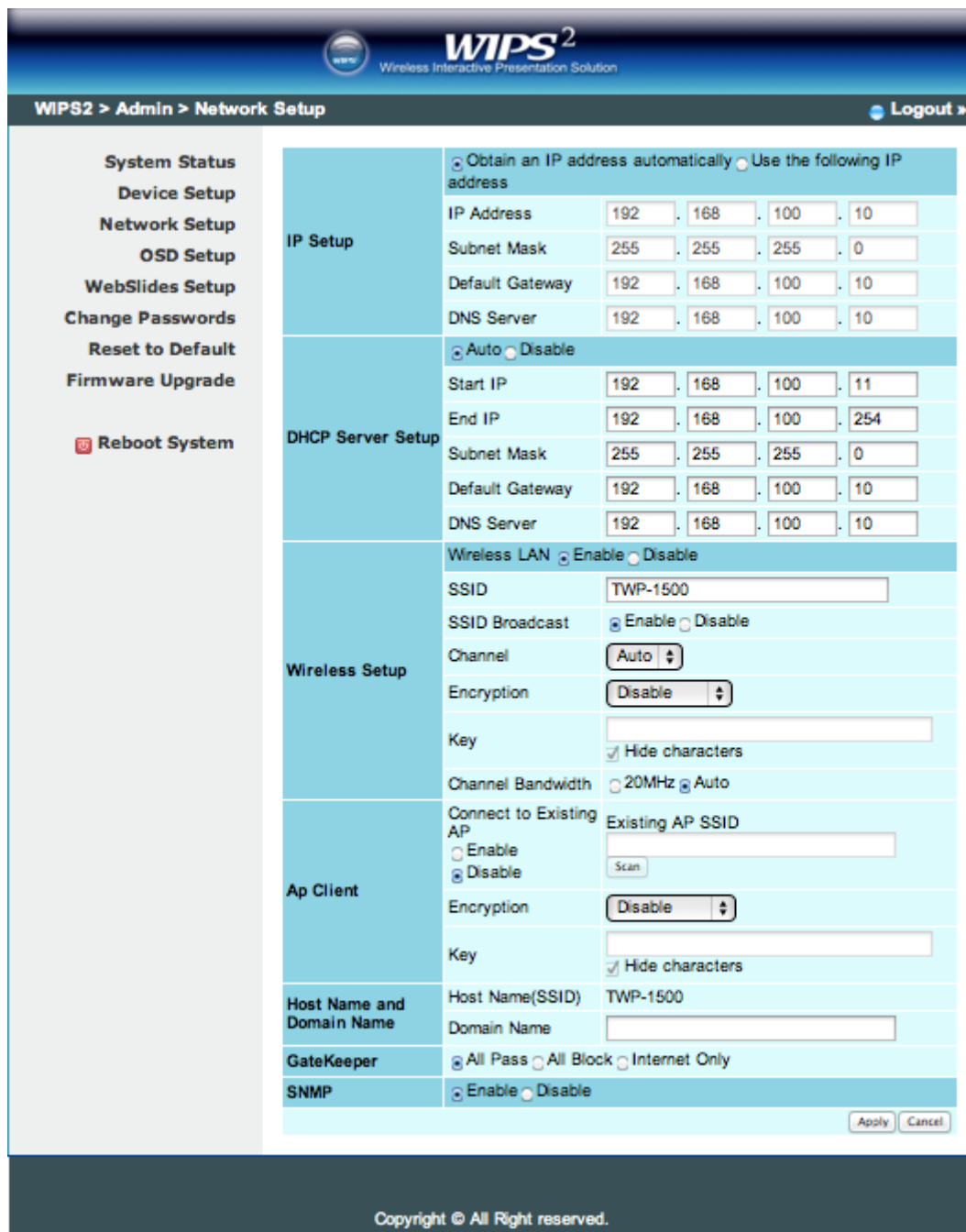
- ◆ Enable or disable SNMP service
- ◆ User Name: configure the user name to manage this device through SNMP
- ◆ Auth Password: configure the Auth password

- ◆ Priv Password: configure the Priv password
- ◆ Trap IP: configure the trap receiver IP

**<Apply >:** press button to select this mode.

**<Cancel>:** press button to abort action.

**<Back>:** Back to Operating mode main menu.



**WIPS2**  
Wireless Interactive Presentation Solution

WIPS2 > Admin > Network Setup Logout

**System Status**  
**Device Setup**  
**Network Setup**  
**OSD Setup**  
**WebSlides Setup**  
**Change Passwords**  
**Reset to Default**  
**Firmware Upgrade**  
Reboot System

**IP Setup**  
☒ 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

**DHCP Server Setup**  
☒ 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 Setup**  
 Wireless LAN: ☒ Enable ☐ Disable  
 SSID: TWP-1500  
 SSID Broadcast: ☒ Enable ☐ Disable  
 Channel: Auto  
 Encryption: Disable  
 Key:  ☒ Hide characters  
 Channel Bandwidth: ☐ 20MHz ☒ Auto

**Ap Client**  
 Connect to Existing AP: ☐ Enable ☒ Disable  
 Existing AP SSID:  Scan  
 Encryption: Disable  
 Key:  ☒ Hide characters

**Host Name and Domain Name**  
 Host Name(SSID): TWP-1500  
 Domain Name:

**GateKeeper**  
☒ All Pass ☐ All Block ☐ Internet Only

**SNMP**  
☒ Enable ☐ Disable

Apply Cancel

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## 11.5.4 OSD Setup

- 1) Click [OSD Setup] button, you can change the standby Logo image

## Change Standby Image

- ◆ **Replace Logo Image:** Replace logo image only.
- ◆ **Replace entire standby image:** Replace the whole standby image
- ◆ **<Reset to default>:** Restore to default Logo image.
- ◆ **<Image File Upload>:** Upload the customized Logo Image.

## Display Option

- ◆ **Device Info:** Show or Hide the device info.
- ◆ **Font Size:** Change the font size of display info.
- ◆ **Screen Saver Settings:** Enable or disable the screen saver and also configure the idle interval. (default is 5 mins)

## 11.5.5 Change Passwords

1) Click [Change Password] button, you can change the password setting.  
(Length: up to 8 characters)

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



WIPS2 > Admin > Change Passwords Logout »

Conference Control		
Enter New Password	<input type="text"/>	Apply
Confirm New Password	<input type="text"/>	
Admin		
Enter New Password	<input type="text"/>	Apply
Confirm New Password	<input type="text"/>	

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## 11.5.6 Reset to Default

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


<Apply>: Confirm and take action.

\*\*\* To execute the Hardware Factory Reset to Default, Please follow below procedures.

1. Press [**Reset**] button and **Hold**.
2. Turn on WIPS<sup>2</sup> TWP-1500 box.
3. Wait for over 10 seconds and relief [**Reset**] button.
4. It will take effect to restore factory default settings.



WIPS2 > Admin > Reset to Default Logout »



**Reset to Default**  
This will restore the device to the factory default settings.

Apply

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## 11.5.7 Firmware Upgrade

- 1) Click [Firmware Upgrade] button to import/export system configuration and upgrade firmware.
- 2) System Configuration Import and Export
  - Export:** Export the system configuration to a configuration file
  - Import:** Import the system configuration file to TWP-1500
- 3) Firmware Upgrade
  - A. Firstly, you have to get latest firmware image file from your vendor.
  - B. Click **<Browse>** to specify file name you want to upgrade.
  - C. Click **<Upgrade>** to start.
  - D. A warning message shown and count down counter on the screen.
  - E. After a few minutes, a complete message shown on the screen.
  - F. Restart WIPS<sup>2</sup> TWP-1500 box to take effect.




Please wait while System burns new firmware into your device.

Warning: It needs to take 10~15 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!!**

Estimated Time remaining: : 890seconds





 **Warning:** Don't power off WIPS<sup>2</sup> TWP-1500 while firmware upgrade in progress, otherwise will cause your Box doesn't work and have to return device to your vendor for fixing.

## 11.5.8 WebSlides Setup

- 1) Click [WebSlides Setup] button to setup the WebSlides Feature.
- 2) Auto Refresh Interval: choose "Manual Refresh", "10", "20", "30", "45", "60" and "90" seconds
- 3) Access Password Control: choose "Disable", "Use the same password as Code" or "Use the following Code"

**WIPS2 > Admin > WebSlides Setup** [Logout](#)

**System Status**  
**Device Setup**  
**Network Setup**  
**OSD Setup**  
**WebSlides Setup**  
**Change Passwords**  
**Reset to Default**  
**Firmware Upgrade**  
**Reboot System**

**Auto Refresh Interval (second)**

- ☒ Manual Refresh
- ☐ 10 \*recommended maximum concurrent users. (10)
- ☐ 20 \*recommended maximum concurrent users. (15)
- ☐ 30 \*recommended maximum concurrent users. (20)
- ☐ 45 \*recommended maximum concurrent users. (25)
- ☐ 60 \*recommended maximum concurrent users. (30)
- ☐ 90 \*recommended maximum concurrent users. (35)

**Access Password Control**

- ☒ Disable
- ☐ Use the same password as "Code"
- ☐ Use the following Code:  (0-9)

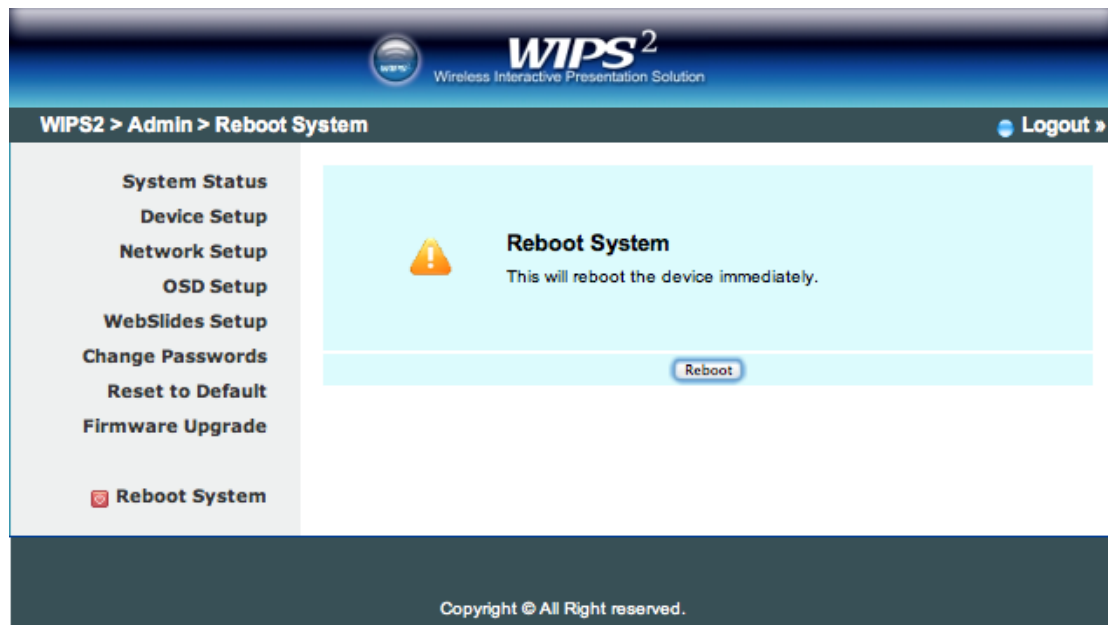
**Note**  
 If there are more than 10 users logged into TWP-1500, it is recommended to connect TWP-1500 to company network through Ethernet or bridge TWP-1500 to a router due to wireless bandwidth concern. User should connect TWP-1500 via company network or router in order to secure the projection performance.

[Apply](#) [Cancel](#)

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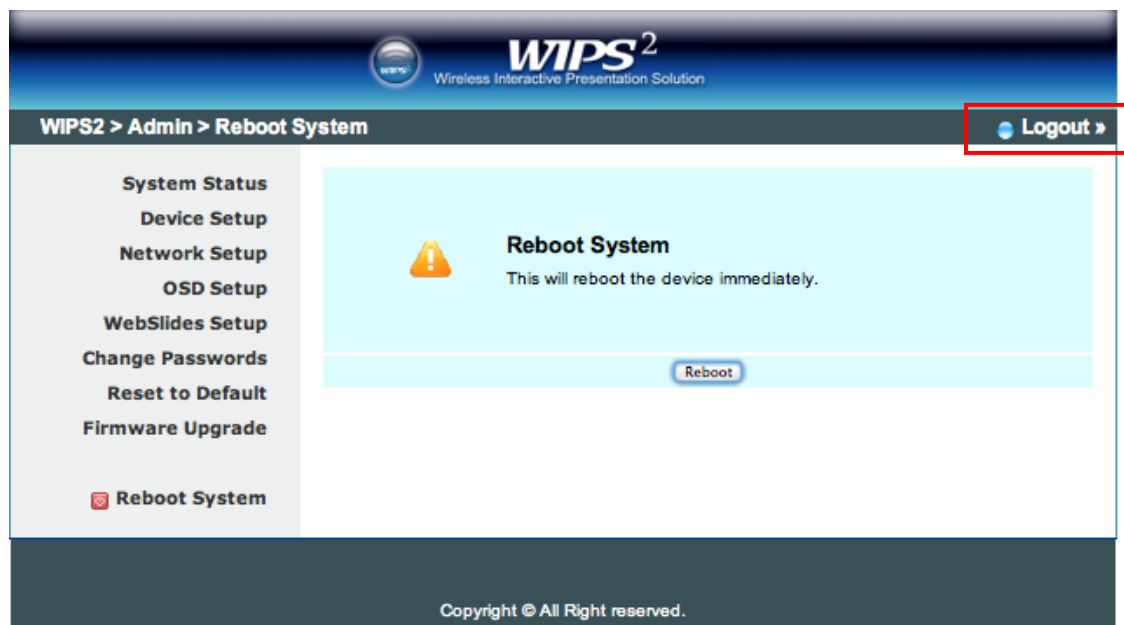
## 11.5.9 Reboot System

- 1) Click [Reboot System] button, you can restart the system
  - ◆ **<Reboot>**: reboot system automatically.



## 11.5.10 Logout

1) Click [Reboot System] button, you can logout the TWP-1500



## **12) Q&A of WIPS2**

### **Question 1 : The Wireless Table cannot work. How can I do ?**

Answer: Please follow steps as showing below:

1. Please pull off the USB Dongle plug from TWP-1500.
2. Re-connect the USB Dongle to TWP-1500. Power off and then turn the Wireless tablet on again.

2.1 Check whether the Wireless Tablet 's LED is blinking or not? If the LED unlighted, that means your Wireless Tablet is fault.

2.2 Test your wireless digital pen on Wireless Tablet working area, if it can work as a mouse, which means the hardware is OK. If it doesn't work, please change the battery with a new one.

2.3 After changed a new battery for the pen, if it still not working, that means the hardware is fault.

### **Question 2 : Why the RED LED of Wireless Tablet LED is blinking?**

Answer: It means a low battery reminder, please change the new battery in time.

### **Question 3 : Wireless Tablet doesn't work after not using for about 5 minutes ?**

Answer: It's because the Pen Tablet stays into the sleeping mode. You have to wake it up by pressing the resume button. If the is not in used for too long, you might need to restart it by switching the power button.

### **Question 4 : Why does Wireless Tablet still not work after turning on the power and even pressing the Resume button ?**

Answer: Please check if the LED is on and off right away when power is turned on.If the LED is not on, then please change the battery of and digital pen. After changing the battery and the Wireless Tablet and pen still don't work. Please

kindly send the Wireless and dongle back to where you purchased for repair.

### **Question 5 : Why does the LED flash quickly when tapping the Wireless Tablet by pen?**

Answer: Please check if the distance is too far between dongle from Wireless Tablet or it's because of the working environment. If so, please auto bind the dongle again.(Please reference appendixes) the If Wireless Tablet can't bind to dongle, please kindly send it back to where you purchased for repair. Thank you.

## **13) Appendixes**

How to Bind the Wireless Tablet with USB dongle?

- 1) Plug the USB Dongle to TWP-1500
- 2) Power on the Wireless Tablet
- 3) Press resume button over 1.5 Sec
- 4) LED on the Wireless Tablet will show Green and red light interfered toggle
- 5) Please press

<b>Pairing (Bind)</b>		
<b>Method</b>	<b>Press Resume Button Over 1.5 Sec</b>	
<b>Status</b>	<b>Green and red led interfered toggle</b>	
<b>Indicator</b>	<b>Paired</b>	<b>Green Led On until Resume Button Relax</b>
	<b>Unpaired</b>	<b>Red Led On until Resume Button Relax</b>
<b>Available Distance</b>	<b>0 ~ 75 ± 25 cm</b>	

## 14) Product Specification

TWP-1500	
Standards	IEEE 802.11b/g/n 2.4GHz, IEEE 802.3(10BASE-T)/IEEE 802.3u(100BASE-TX)
Wireless channel	11(US, Canada); 13(Europe); 14(Japan)
Data Rate	Wireless: Up to 300Mbps
Protocol	TCP/IP, SNMP,
IP configuration	Automatic: DHCP, Manual: Static IP address
Management:	Web-based configuration, SNMP V2
Security	IEEE Standard 64/128 bit WEP, WPA/WPA2-PSK
Antenna	Dual Dipole antenna
Transmission Power	2dBi
Receive Sensitivity	802.11b: 11M -76 dBm 802.11g: 54M -67dBm 802.11n: 65M HT20 -64dBm , 150M HT40 -61dBm
Wireless Link Coverage	Up to 300 feet/100 meters, depends on environment
Supported PC/Laptop Resolution	SVGA (800x600) / XGA (1024x768) / SXGA (1280x1024) WXGA (1280x768) / WSXGA (1440x900, 1600x1024) / UXGA (1600x1200)/ WUXGA (1920x1200) / QXGA (2048x1536) / Others
Supported Output Resolution	VGA: SVGA (800x600) / XGA (1024x768) / WXGA(1280x768) / WXGA <sup>+</sup> (1280x800) / 1360 * 768 / 1440 * 900 / 1600 * 1200 HDMI: 1280x720 (720P), 1920x1080 (1080i/1080p)
Supported Windows Account Right	Administrators, Limited User, Guest
Supported Operation System	Windows XP/Vista/7/8(Windows RT is not included) Mac OSX 10.7/10.8 Android 2.2 and above(MobiShow/WiFi-Doc/SidePad Receiver), iOS 3.2 and above (MobiShow/WiFi-Doc/SidePad Receiver)
Power	External Power adaptor 5V DC input 2.6A
Interface	15Pin VGA

	USB Host x 3 (Front x2, Rear x1) HDMI RJ-45 LAN Port Stereo Phone Jack Reset Button
LED	Power
Mechanical	Dimension: 156 x 60.8 x 25.8 mm, Weight: 238g
Wireless Tablet TWT-053U	
Solution	Wireless 2.4G RF
Active Area	5"*3"
Report rate	165rps
Size	194*190*18.5mm
Pen tray	yes
pen type	battery pen
pen Battery pen	AAA*1
battery type	AA *2
battery life	50hrs
Power consumption	35mA
Power source	Battery
Power button	Mechanical button
weight	359g
Certificate	<b>FCC/CE</b>