Presentation Hub for Wireless Video

User Manual
SKU#: WIFI2HDVGA/WIFI2HDVGAGE

Actual product may vary from photos

For the latest information and specifications visit
www.startech.com/WIFI2HDVGA
www.startech.com/WIFI2HDVGAGE
Compliance Statements

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the 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:
• Reorient or relocate the receiving antenna
• Increase the separation between the equipment and receiver
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
• Consult the dealer or an experienced radio/TV technician for help

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

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Safety Statements

Safety Measures

- Wiring terminations should not be made with the product and/or electric lines under power.
- Cables (including power and charging cables) should be placed and routed to avoid creating electric, tripping or safety hazards.

Mesures de sécurité

- Les terminaisons de câblage ne doivent pas être effectuées lorsque le produit et/ou les câbles électriques sont sous tension.
- Les câbles (y compris les câbles d’alimentation et de chargement) doivent être placés et acheminés de façon à éviter tout risque électrique, de chute ou de sécurité

安全対策

- 電源が入っている状態の製品または電線の終端処理を行わないでください。
- ケーブル（電源ケーブルと充電ケーブルを含む）は、適切な配置と引き回しを行い、電気障害やつまづきの危険性など、安全上のリスクを回避するようにしてください。

Misure di sicurezza

- I terminali dei fili elettrici non devono essere realizzate con il prodotto e/o le linee elettriche sotto tensione.
- I cavi (inclusi i cavi di alimentazione e di ricarica) devono essere posizionati e stesi in modo da evitare pericoli di inciampo, rischi di scosse elettriche o pericoli per la sicurezza.

Säkerhetsåtgärder

- Montering av kabelavslutningar får inte göras när produkten och/eller elledningarna är strömförda.
- Kablar (inklusive elkablar och laddningskablar) ska dras och placeras på så sätt att risk för snubblingsolyckor och andra olyckor kan undvikas.
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Product Diagram

Front View

1. USB-A Port
2. Power Button

Side View

1. Fireware Upgrade Button

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Rear View

1. DC 5V Port
2. TosLink Port
3. Left Audio Port
4. Right Audio Port
5. HDMI Port
6. VGA Port
7. RJ45 Port

Bottom View

1. Reset Button

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Product Information

Packaging Contents

• Presentation Hub x 1
• Universal Power Adapter x 1
• User Manual x 1

System Requirements

Operating system support is subject to change. For the latest requirements, please visit www.startech.com/WIFI2HDVGA.

• VGA or HDMI® Display with Cabling (i.e. Television, Projector)

For Firmware Upgrade:

• USB Drive

For Boardroom Collaboration Mode:

• One or more Wi-Fi Enabled Computers with:
  • Microsoft Windows® 8 / 8.1 (32/64), 7(32/64), Vista (32/64)
  • Apple® OSX Yosemite (10.10), Mavericks (10.9), Mountain Lion (10.8), Lion (10.7), Snow Leopard (10.6)

For Wireless Display Mode:

• WiDi or Miracast Enabled Video Source Device (i.e. Smartphone, Tablet, or Computer) with:
  • Microsoft Windows® 8 / 8.1 (32/64), 7(32/64), Vista (32/64)
  • Android (v.4.3 and above)
Installation

Connecting the Presentation Hub

1. Using the required Video Cable (not included), connect the Presentation Hub to your VGA or HDMI Display.
   
   Note: The VGA and HDMI Output Ports cannot operate at the same time. If both of the Ports are connected only the HDMI Port will function.

2. Connect the Universal Power Adapter to the DC 5V Port on the Presentation Hub and the other end to an AC Power Outlet.

3. Press the Power button on the Presentation Hub, to turn it on.

4. After a few moments the main screen will be displayed.

Connecting to a Wired Network

1. Connect an Ethernet Cable to your Network Device.

2. Connect the other end of the Ethernet Cable to the LAN Port on the Presentation Hub.

   Note: A fixed or static IP address cannot be manually assigned using the Web GUI. The Presentation Hub will automatically assign an IP address via Dynamic Host Configuration Protocol (DHCP).
Connecting to a Wireless Network

1. Enter your device’s current IP address to access the Web GUI, scroll to the bottom of the page and select the Remote Control link.
   - or -
   Select the AirFun app, select the Advanced Settings, and select the Remote Control.

2. Using the Remote Control, select WI-FI Connection and toggle the WI-FI Connection to On.

3. All available wireless access points will appear on your Display. Select the wireless access point you would like to connect to.

4. After the Presentation Hub has successfully connected to the wireless access point of your choice, the access point’s name will display in the bottom right hand corner of your standby screen.

Disconnecting from a Wireless Network

1. Using the Remote Control, select WI-FI Connection and toggle the WI-FI Connection to Off.

2. When the Presentation Hub has successfully disconnected from the wireless access point, the access point’s name will disappear from the bottom right hand corner of your standby screen.
WebUI

Accessing the WebUI

The **Presentation Hub** should be connected to either an wired Ethernet connection or WIFI Connection. See either [Connect to a Wireless Network](#) or [Connect to a Wired Network](#) sections.

**Note:** If using a wired Ethernet connection an IP address is not automatically assigned. The connected PC must manually be assigned an IP address on the same Subnet as the **Presentation Hub**.

1. Open a web browser.

2. On the address line enter the **Presentation Hub**’s IP Address. The IP Address can be found on the **Presentation Hub**’s Home screen.
3. The **WebUI Home** screen will appear.

![WebUI Home screen](image)

4. On the **WebUI Home** screen, enter the **Password** admin.

5. Click on the **Sign in** button to access the **WebUI**.

---

**Changing the Screen Language**

1. From the **WebUI Home** screen.

![WebUI Home screen](image)

2. Click on the **Language** drop down list located on the upper right hand corner on the **WebUI Home** screen.
3. Select the desired language you wish to use from the drop down list.
Viewing the Presentation Hub Status and General Information

The **Status & Info** screen will display basic information device name, firmware version, network information IP address, Network Status, etc.

1. From the **WebUI Home** screen, click on the **Status & Info** link.

2. The **Status & Info** screen will appear.
3. The following information will be displayed:

- **Basic Information:**
  - **Device Name (SSID):** The name of the Presentation Hub and Network Name.
  - **Firmware Version:** The current firmware version on the Presentation Hub.
  - **NAND Flash:** The amount of available NAND Flash memory.

- **Network Information:**
  - **Lan Mac Address:** The Presentation Hub’s Mac Address.
  - **Lan IP Address:** The Presentation Hub’s IP Address
  - **Wireless Mac Address:** The Presentation Hub’s wireless Mac Address.
  - **Wireless IP Address:** The Presentation Hub’s wireless IP Address.
  - **Network Status:** The Presentation Hub’s network status.
  - **Security:** The Presentation Hub’s current security setting.
Configuring Network Settings

1. From the **WebUI Home** screen, click on the **Network Settings** link.

2. The **Network Settings** screen will appear.

3. Enter the network settings information in the following fields:
   - **Device Name (SSID):** Enter a device name for the Presentation Hub.
• **Wireless Security:** Allows you to select WPA+WPA2 or Disable wireless security.

• **Password:** If Wireless Security is set to WPA+WPA2, enter a wireless security password.

• **Radio Band:** Allows you to select a wireless channel either 2.4G or 5G.

• **2.4G Channel:** This field is only enabled when 2.4GHz (B+G+N) is selected for a Radio Band. Select either Auto, Automatically select a channel or select a corresponding channel 1, 6, or 11.

• **5G Channel:** This field is only enabled when 5GHz is selected for a Radio Band. Select either a corresponding set of channels 36,40 44,48 149,153 or 157,167.

4. Once you have set the desired network setting click on the **Apply** button to save changes.

   - or -

   Click the **Cancel** button to discard any changes.
Creating a Network Bridge

1. From the **WebUI Home** screen, click on the **Network Settings** link.

![Network Settings link](image1)

2. The **Network Settings** screen will appear.

![Network Settings screen](image2)

3. Click on the **Wi-Fi Connection** button.

4. A list of available wireless networks will be listed.

5. Select the network you wish to bridge the **Presentation Hub** to.

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6. The **AP Password** screen will appear prompting you to enter the network’s password.

![AP Password screen]

7. Once the password is entered click the **Submit** button to connect the **Presentation Hub** to the selected wireless network.

**Configuring Audio Settings**

1. From the **WebUI Home** screen, click on the **Hardware Settings** link.

![Hardware Settings link]
2. The **Hardware Settings** screen will appear.

![Hardware Settings screen]

3. Under the **Audio** section on the **Hardware Settings** screen, the following **Audio** setting can be configured:

   - **Volume:** Allows you to set the volume of the Presentation Hub (0 - 31).
   - **Night Mode:** Night Mode allows you to keep theater sounds at a lower volume. It increases the level of low level audio while decreasing the level of high level audio:
     - On
     - Off
     - Confort
   - **Surround Sound:** Allows you to set a surround sound option:
     - Auto
     - 5.1 CH
     - HD Auto

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- **Lip Sync**: Lip sync mode synchronizes audio and video together preventing visible audio delay within the video.
  - Auto
  - Manual
  - Off
- **HDMI Output**: Allows you to set an HDMI Output option:
  - **HDMI Raw**: HDMI output that is raw and not compressed.
  - **HDMI LPCM**: Sets HDMI Output to Linear Pulse Code Modulated Audio.
  - **HDMI LPCM MULTI CH**: Sets HDMI Output to Linear Pulse Code Modulated Audio when using multiple channels e.g. surround sound.
  - **HDMI Auto**: Sets audio to HDMI Auto.
  - **No Device**: Sets HDMI Audio to no device.

4. Once you have set the desired settings click on the **Apply** button to save changes.

    - or -

    Click the **Cancel** button to discard any changes.
Configuring Video Settings

1. From the **WebUI Home** screen, click on the **Hardware Settings** link.

2. The **Hardware Settings** screen will appear.

3. Under the Video section on the **Hardware Settings** screen, the following video setting can be configured:
- **HDMI Output Resolution**: Allows you to set an HDMI output resolution.

  *Note: If an HDMI device is connected to the Presentation Hub the HDMI Output Resolution drop down list will be active.*

- **VGA Output Resolution**: Allows you to set a VGA output resolution.

  *Note: If an VGA device is connected to the Presentation Hub the VGA Output Resolution drop down list will be active.*

- **Aspect Ratio**: Allows you to set an aspect ratio for the connected display.

- **Scale Video Output to 90%**: If selected scales the video output on the connected display to 90%.

- **1080P 24Hz**: If selected sets the video output on the connected display to 1080p 24Hz.

- **Brightness**: Allows you to adjust the brightness of the connected display (1 - 50).

- **Contrast**: Allows you to adjust the contrast of the connected display (1 - 50).

- **Saturation**: Allows you to adjust the saturation of the connected display (1 - 50).

- **Hue**: Allows you to adjust the hue of the connected display (1 - 50).

4. Once you have set the desired settings click on the **Apply** button to save changes.

    - or -

    Click the **Cancel** button to discard any changes.
Resetting the Presentation Hub Password

1. From the **WebUI Home** screen, click on the **Password Settings** link.

![Password Settings link](image)

2. The **Password Settings** screen will appear.

![Password Settings screen](image)

3. Enter the **Current Password**:

4. Enter a **New Password**. The password is a maximum of 20 character alphanumeric and is case sensitive.
5. Re-enter the new password in the Confirm Password field.

6. Once you have set the desired password, click on the Apply button to save changes.
   
   - or -

   Click the Cancel button to discard any changes.

Configuring Advanced Settings

1. From the WebUI Home screen, click on the Advanced Settings link.
2. The **Advance Settings** screen will appear.

![Advance Settings screen]

3. The following advance settings will appear:
   - **Login Code**: Allows you to enable or disable the Login Code.
   - **OverWrite**: Allows you to enable or disable the OverWrite feature.
   - **P2P Concurrent**: Allows you to enable or disable the ability to download P2P files.

4. Once you have set the desired settings, click on the **Apply** button to save changes.
   - or -
   
   Click the **Cancel** button to discard any changes.
Applying a Firmware Update

1. From the **WebUI Home** screen, click on the **Firmware Upgrade** link.

2. The **Firmware Upgrade** screen will appear.

3. Click on the **Choose File** button and search for a compatible firmware file.

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4. Once the firmware file is located, click on the **Upload** button to upload the firmware file.

   **Note:** Firmware files can be found under the support tab, at [www.startech.com/WIFI2HDVGA](http://www.startech.com/WIFI2HDVGA)

**Using the Media Remote**

1. From the **WebUI Home** screen, click on the **Media Remote** link.

![Firmware Upgrade link](image)
2. The **Media Remote** screen will appear.

![Media Remote screen]

3. The **Media Remote** screen will allow you to control the functions (play, pause, volume, settings, etc.) of the **Presentation Hub** using the remote control.

**Restarting the Presentation Hub**

1. From the **WebUI Home** screen, click on the **Restart Device** link.

![Firmware Upgrade link]
2. The **Restart** screen will appear.

![Restart screen]

3. Click on the **OK** button to restart the **Presentation Hub**.

   - or -

   Click the **Cancel** button to exit the **Restart** screen without restarting the **Presentation Hub**.
badge

Operation

Power On the Presentation Hub
• Press and release the Power button.

Power Off the Presentation Hub
• Rapidly press and release the Power button two times.

Firmware Upgrade Button

To perform a firmware upgrade, complete the following steps:
1. Disconnect the Universal Power Adapter.
2. Format a USB Drive in fat32 and place the install.img at the root of the Drive.
3. Plug in the USB Drive to the USB-A Port on the front of the Presentation Hub.
4. Hold the Firmware Upgrade button and then power on the Presentation Hub by pressing the Power button.
5. Once the Display shows Please wait for USB update then you can release the Firmware Upgrade button.

Resetting the Presentation Hub using the Reset Button

To reset the Presentation Hub to the factory default settings:
1. Press and hold the Reset button on the bottom of the Presentation Hub for five seconds.

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2. When you release the **Reset** button a small icon will appear on your **Display** stating **Factory Default** confirming that the reset was successful.

   **Note:** *If you did not see the icon after releasing the Reset button then press and hold the button for a few additional seconds. Release the Reset button and check your Display for the Factory Default icon.*

### Boardroom Collaboration Mode

Boardroom collaboration mode enables you to intuitively share your boardroom display between multiple computer systems.

   **Note:** *To share the display in Boardroom Collaboration mode, you must first install the nScreenShare Software.*

### Install nScreenShare on your Computer


   **Note:** *Please ensure you have extracted the zip file before continuing with the installation steps.*

2. Run the nScreenShare application.

   - If you’re installing the software on a Windows Computer, locate and click the setup file (Setup.exe) for the nScreenShare application. This file will be located in the Win directory of the downloaded file.

   - If you’re installing the software on a Mac Computer, locate and click the software package (nScreenShare.pkg). This file will be located in the macOS folder of the downloaded file.
**Note:** You will be prompted to enter a Mac Software Product Code, the code can be located on the back cover of this manual.

3. The setup wizard will appear once your system is ready. Please follow the on screen prompts to continue installation.

4. You will be prompted to click **Finish** once the setup wizard has completed. You may also be prompted to restart your **Computer** to complete the installation. Please click **Finish** followed by **Yes** on each respective window.

**Accessing nScreenShare**

1. Connect the **Computer** to the **Presentation Hub’s** SSID (wireless network), either through a wireless connection or wired Ethernet connection. The **Presentation Hub’s** wireless network is WIFI2HDVGA.

   **Note:** If using an Ethernet connection an IP address will need to be assigned to the connected computer manually. The IP address will need to be on the same subnet as the **Presentation Hub**.

2. Once you have connected to the **Presentation Hub**, click on the **nScreenShare** icon
3. On the **Login** screen, the **Select Device** field will automatically populate the **Presentation Hub’s** name.

![Login screen](image)

**Login screen**

4. Enter the **Login Code**. The **Login Code** is located on the lower left-hand corner of the **Launch** screen.

![Login Code](image)

**Login Code**

5. Click **OK** to launch the **nScreenShare** application.

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nScreenShare Panel Controls

1. Once you have logged into the nScreenShare app the Panel Control screen will appear.

![Panel Control screen]

2. From the Panel Control screen the following controls are available:
   - **Play/Pause**: Starts or pauses the presentation.
   - **Stop**: Stops the presentation and returns to the Information screen.
   - **Annotator**: Allows you to access a screen for taking notes on the current slide.
   - **Menu**: Allows you access to advance menu options.
   - **Login Code**: Displays the current login code.
   - **Mute**: Mutes the volume of the presentation.
   - **Volume Up/Down**: Turns the volume of the presentation up or down.
   - **Information**: Displays application information (adapter name, IP address, radio band, version).
   - **Minimize**: Minimizes the Panel Control screen to the Taskbar.
   - **Close**: Closes the Panel Control screen.
Configuring Display Mode

1. From the **Panel Control** screen, select the **Menu** icon.

2. The **Menu** screen will appear.

3. Select the **Display Mode** link, a pop-up screen will extend.

4. Select either:
   - **Mirror Mode**: Mirrors the content on the main display.
   - **Extend Mode**: Extends the main display’s viewing area two multiple displays allow for a larger display area.
5. Select which display the **Mode** will apply to.

### Configuring Display Resolution

1. From the *Panel Control* screen, select the **Menu** icon.
2. The **Menu** screen will appear.
3. Select the **HDMI Resolution** link, a pop-up screen will extend.
4. Select a **Resolution** from the pop-up screen.

**Configuring the Display’s Aspect Ratio**

1. From the **Panel Control** screen, select the **Menu** icon.
2. The **Menu** screen will appear.

![Menu screen](image)

3. Select the **Aspect Ratio** link, a pop-up screen will extend.

![Aspect Ratio screen](image)

4. Select an **Aspect Ratio** from the pop-up screen, which allows you to set the width and height ratio of the display.
Enabling Conference Mode

1. From the Panel Control screen, select the Menu icon.
2. The Menu screen will appear.

![Menu screen](image)

3. Click on the Conference Mode link to enable Conference Mode.
4. The Login Administrator screen will appear prompting you for a User Name (admin) and Password (adminpwd).

   **Notes:** Clicking on the Conference Mode link will define that computer as the administrator.

   There are two types of roles within the software: Administrator and Client. It’s the administrator’s responsibility to control which Client will be actively presenting their screen through the Presentation Hub.

5. Click the Ok button.
6. As the **Administrator** the **Panel Control** screen will now have **Presenter** with a code across the top of the screen.

   ![Administrator Panel Control screen](image)

**Configuring Basic Settings**

1. From the **Panel Control** screen, select the **Menu** icon.
2. The **Menu** screen will appear.

   ![Menu screen](image)

3. Click on the **Settings** link, the **Settings** screen will appear.
4. The following options can be configured:

- **Auto Adjust Resolution:** Allows you to enable auto adjust resolution which will automatically adjust the connected displays resolution.

- **Auto Save Settings:** Allows you to enable auto save setting which will automatically save any changes to the settings on the Presentation Hub.

- **USB Device Remote Control:** Allows you to use a USB device connected to a receiver to control the connected computer.

- **Remote Cursor:** Allows you to enable a remote cursor.

- **Language:** Allows you to select a screen language.

5. Click the **Apply** button to apply settings changes.
Exiting the nScreenShare App

1. From the **Panel Control** screen, select the **Menu** icon.
2. The **Menu** screen will appear.

   ![Menu screen](image)

3. Click on the **Exit** link to exit the **nScreenShare** app.
Warranty Information

This product is backed by a two-year warranty.

For further information on product warranty terms and conditions, please refer to [www.startech.com/warranty](http://www.startech.com/warranty).

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